

# REQUEST FOR ENGINEERING AND RELATED SERVICES

## CONTRACT NO. 4400027735

- STATE PROJECT H.005184; FEDERAL AID PROJECT NUMBER H005184  
I-69 FRONTAGE ROAD (STONEWALL FRIERSON TO ELLERBE ROAD)  
ROUTE: FUTURE STATE HWY  
PARISH - CADDO AND DESOTO
- STATE PROJECT H.014054; FEDERAL AID PROJECT NUMBER H014054  
I-69 FRONTAGE ROAD CONNECTOR (ELLERBE RD. TO LA 1)  
ROUTE: FUTURE STATE HWY  
PARISH - CADDO
- STATE PROJECT H.014056; FEDERAL AID PROJECT NUMBER H014056  
I-69 FRONTAGE ROAD CONNECTOR (STONEWALL FRIERSON)  
ROUTE: FUTURE STATE HWY  
PARISH - DESOTO

Begin S.P.N. H.014054.1  
I-69 Frontage Rd Connector  
(Ellerbe Rd to LA 1)

I-69 Frontage Rd

Begin S.P.N. H.014056.1  
I-69 Frontage Rd Connector  
(Stonewall Frierson)

**VOLKERT**

**DOTD**  
LOUISIANA DEPARTMENT OF  
TRANSPORTATION & DEVELOPMENT

October 3, 2023

Department of Transportation & Development  
Attn: Mr. Michael "Mike" Gorbaty  
Consultant Contract Services Administrator  
1201 Capitol Access Road, Room 405-BB  
Baton Rouge, LA 70802

**RE: Engineering & Related Services  
Contract No. 4400027735**

**State Project H.005184; Federal Aid Project Number H005184  
I-69 Frontage Road (Stonewall Frierson to Ellerbe Road)  
Route: Future State Hwy  
Parish - Caddo and DeSoto**

**State Project H.014054; Federal Aid Project Number H014054  
I-69 Frontage Road Connector (Ellerbe Rd. To La 1)  
Route: Future State Hwy  
Parish - Caddo**

**State Project H.014056; Federal Aid Project Number H014056  
I-69 Frontage Road Connector (Stonewall Frierson)  
Route: Future State Hwy  
Parish - DeSoto**

Dear Mr. Gorbaty,

Volkert, Inc. is proud to submit our proposal for the projects listed above. We understand that for the three (3) projects there will be one award and we have addressed all three in this submittal. We have reviewed the advertisement and addenda up to 2, the Stage 0 reports and the Record of Decision for SIU 15 for the future I-69. We recognize the upfront estimate of probable cost for each section within 30 calendar days of the Notice to Proceed and have reflected this in our schedule. We recognize that these projects will require engineering services including survey, roadway design, traffic engineering bridge design, including rehabilitation / replacement justification reports, and geotechnical engineering design, as specified in the advertisement. We have included staff who meet all requirements in each of the areas.

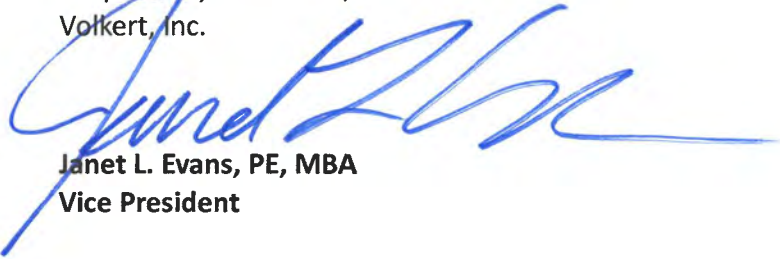
We would also like to point out that both Volkert and **NTB Associates, Inc.** (NTB) will be providing topographic survey services for this project. We believe that considering the length of the project this will allow the survey to be completed in half the time and allow the preliminary plans to be submitted on an expediated schedule. This project has been a long time coming and access to the Caddo – Bossier Port is important to the economy of this area.

Our Volkert team includes **Terracon Consultants, Inc.** (Terracon) to address the geotechnical requirements of this project. We have worked with Terracon in District 04 most recently with the IJA off-system bridges. We are also furthering our working relationship with **EJES, Inc.** (EJES), a certified Disadvantaged Business Enterprise or DBE, and will utilize them to support in roadway design including hydraulic analysis, sequence of construction and quantity calculations. We have numerous completed and ongoing projects with EJES including two Caddo Parish projects and have a great working relationship with the staff. Utilizing EJES, we will meet or exceed the 5% DBE goal with the work proposed.

The Volkert team is prepared to provide any time tracking, plan development, or quantity/cost segregation by the three project numbers if requested by the Department.

We look forward to your staff's review and are prepared to answer any clarifications if requested. I am authorized to represent Volkert for this submittal and contract. Please feel free to contact me with any comments or questions by phone at (225) 270-1454 or via email at [jan.evans@volkert.com](mailto:jan.evans@volkert.com).

Respectfully submitted,  
Volkert, Inc.



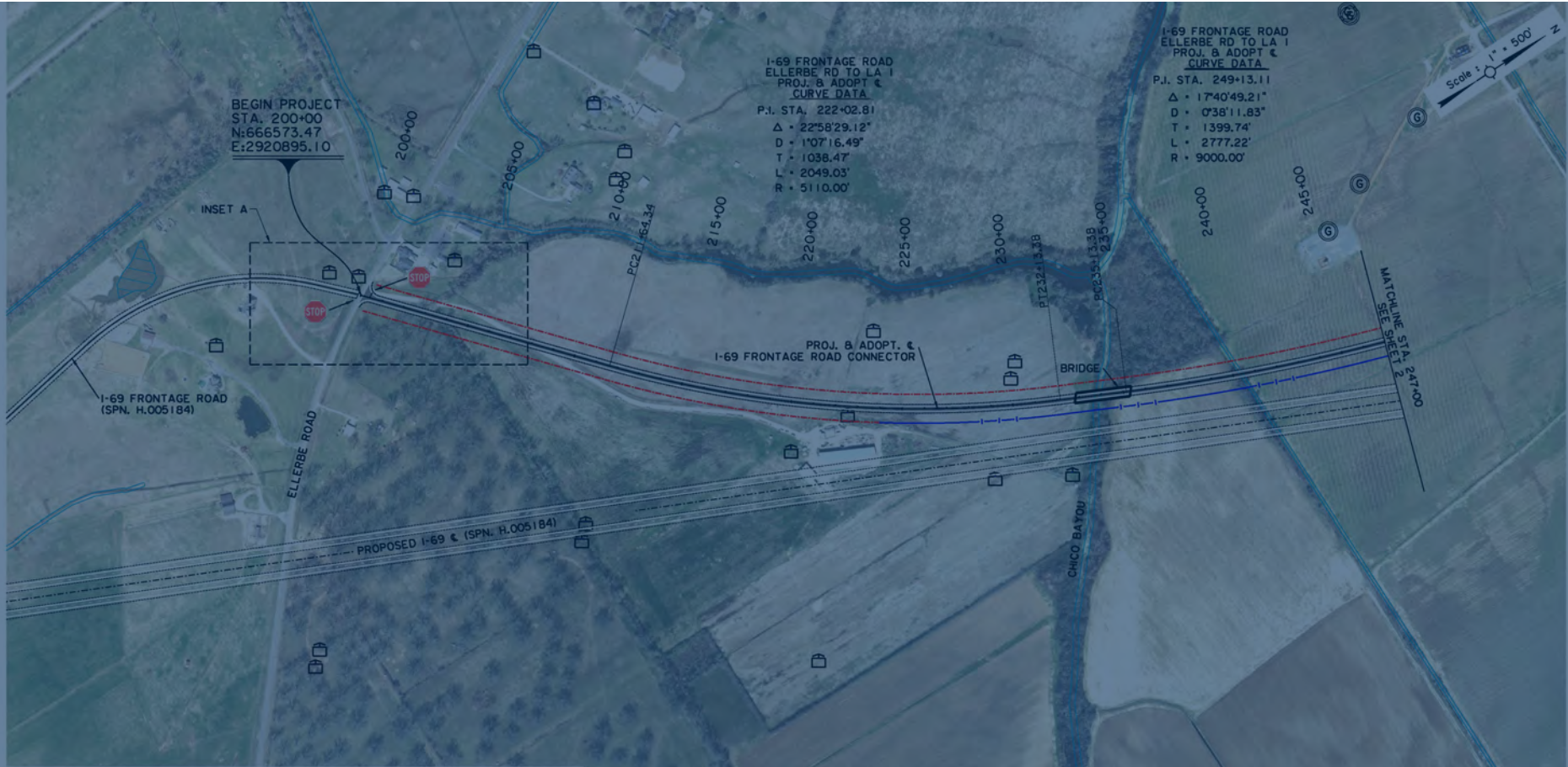
**Janet L. Evans, PE, MBA**  
**Vice President**

# DOTD FORM: 24-102

11/29/2021

STAGE 0

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	ROADWAY IMPROVEMENTS
	APPARENT R/W
	REQ'D R/W
	REQ'D C/A
	WELLS*
	OIL/GAS WELLS*
	WATERWAY*
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PRELIMINARY	NEEL-SCHAFFER, INC.
FOR REVIEW ONLY	ENGINEER: DISHLI S. YOUNG
	LICENSE #: 33723
	DATE: 11/29/2021

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CONCEPT LAYOUT

**DOTD FORM: 24-102****PROPOSAL TO PROVIDE CONSULTANT SERVICES**

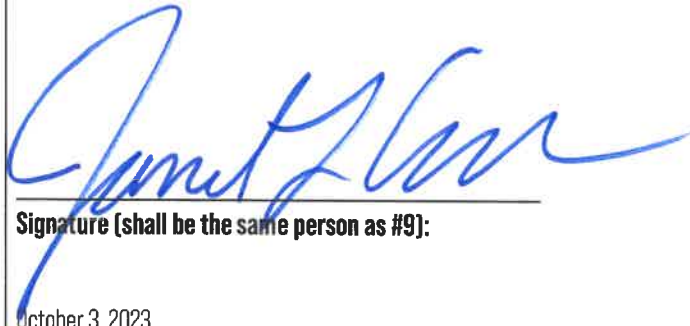
Prime consultant shall complete the DOTD Form 24-102 without altering the Form's text; however, the instruction and/or guidance for Sections 12 through 23 can be removed but do not remove Section title and number.

ANY CONSULTANT FAILING TO SUBMIT ANY OF THE INFORMATION REQUIRED ON THE DOTD FORM 24-102, OR PROVIDING INACCURATE INFORMATION ON THE DOTD FORM 24-102, MAY BE CONSIDERED NON-RESPONSIVE.

Prime consultant should enter the firm name in the footer at the bottom of this page. (It will carry over to subsequent pages.)

<b>1. Contract title as shown in the advertisement</b>	<b>I-69 FRONTAGE ROAD (STONEWALL FRIERSON TO ELLERBE ROAD) I-69 FRTG RD. CONN. (ELLERBE RD. TO LA 1) I-69 FRONTAGE ROAD CONNECTOR (STONEWALL FRIERSON)</b>
<b>2. Contract number(s) as shown in the advertisement</b>	<b>4400027735</b>
<b>3. State Project Number(s), if shown in the advertisement</b>	<b>H.005184, H.014054, H014056</b>
<b>4. Prime consultant name (as registered with the Louisiana Secretary of State where such registration is required by law)</b>	Volkert, Inc.
<b>5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)</b>	Louisiana License: EF.0002500 Louisiana License: VF.0000869
<b>6. Prime consultant mailing address</b>	9448 Brookline Ave, Baton Rouge, Louisiana 70809
<b>7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)</b>	114 Venable Lane, Monroe, LA 71203
<b>8. Name, title, phone number, and email address of prime consultant's contract point of contact</b>	Janet L. Evans, PE, Vice President 225-218-9440; Jan.evans@volkert.com
<b>9. Name, title, phone number, and email address of the official with signing authority for this proposal</b>	Janet L. Evans, PE, Vice President 225-218-9440; Jan.evans@volkert.com
<b>10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will,</b>	

for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.



Signature (shall be the same person as #9):

October 3, 2023

Date:

11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.

Firm(s): EJES, Inc.

Firm(s)' %: 5.7

# SECTION 12

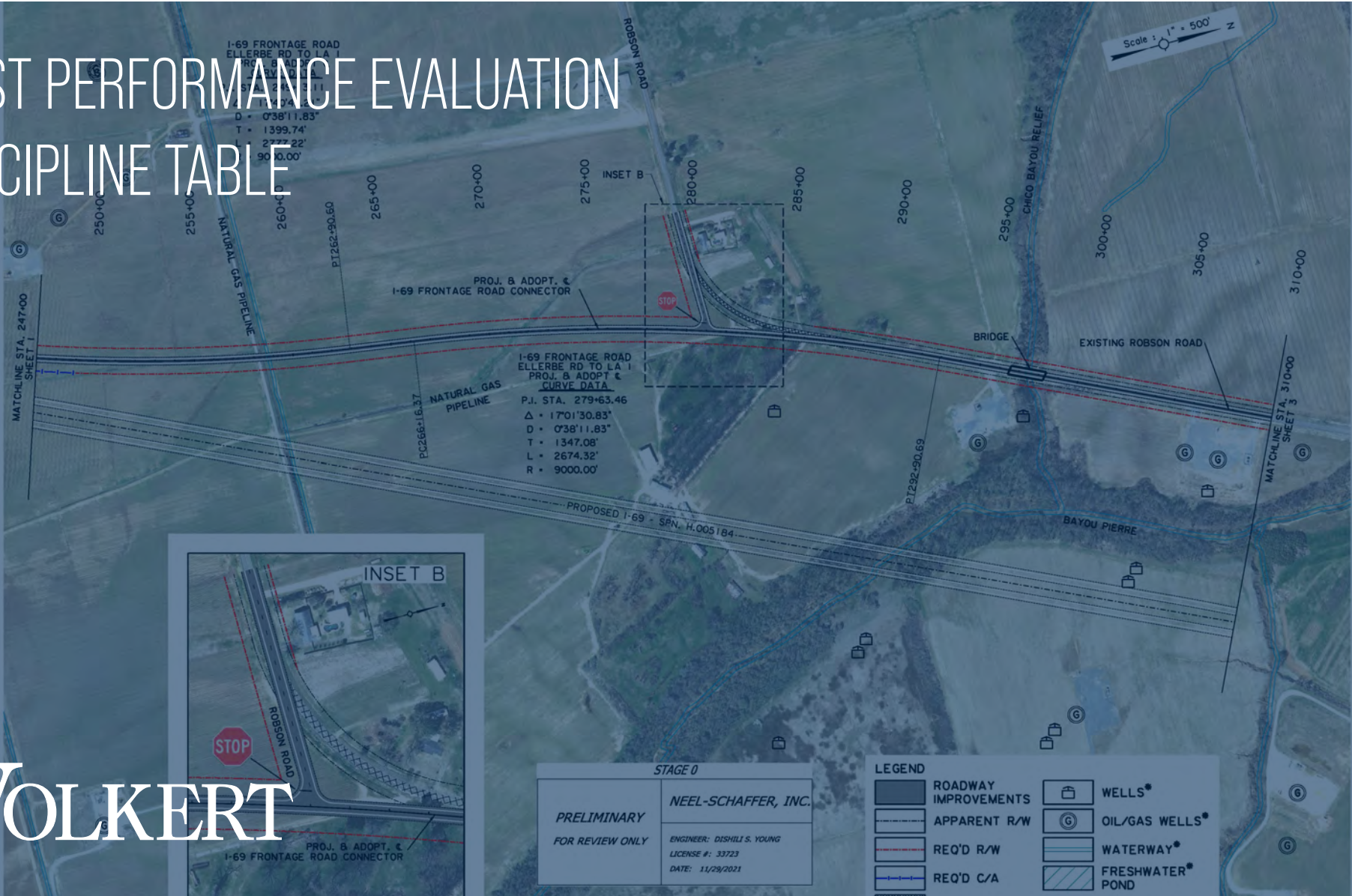
## PAST PERFORMANCE EVALUATION DISCIPLINE TABLE

11/29/2021

STAGE 0

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12. Past Performance Evaluation Discipline Table:

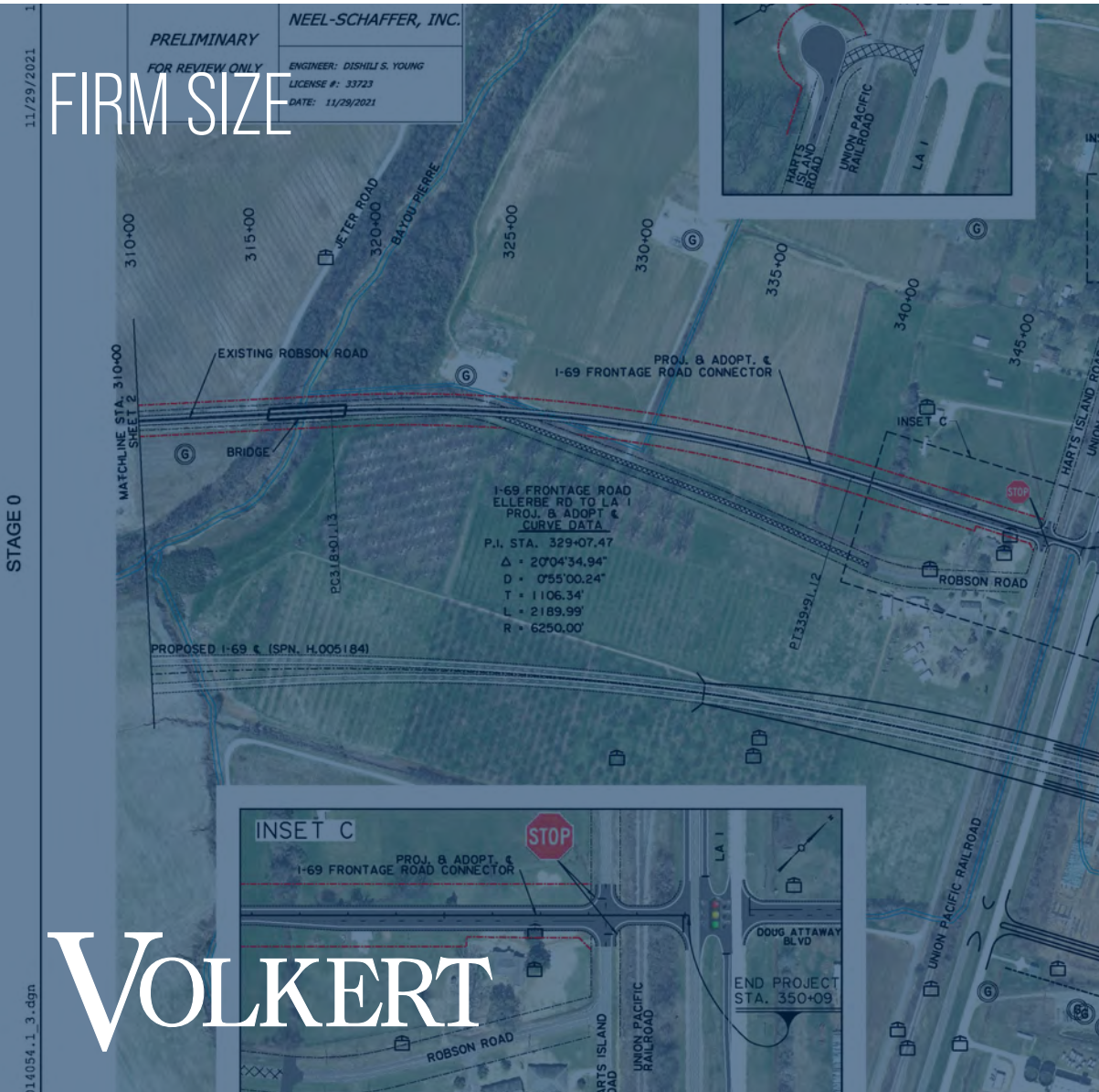
As indicated in the advertisement, insert the completed table here. The percentages for the prime and sub-consultants must total 100% for each past performance evaluation discipline, as well as the overall total percent of the contract. The only past performance evaluation disciplines to be used are: Road, Bridge, Traffic, CEGI/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other. The crosswalk from the old categories to the new categories can be found at the link below:  
[http://wwwsp.dotd.la.gov/Inside\\_DOTD/Divisions/Engineering/CCS/General%20Information/CPPR%20Crosswalk%20to%20New%20Evaluation%20Disciplines.pdf](http://wwwsp.dotd.la.gov/Inside_DOTD/Divisions/Engineering/CCS/General%20Information/CPPR%20Crosswalk%20to%20New%20Evaluation%20Disciplines.pdf). [same link as in the advertisement]

Past Performance Rating Categories**	% of Overall Contract	Volkert	EJES	Terracon	NTB	Each Discipline Must Total to 100%
Road	38%	85%	15%	0%	0%	100%
Bridge	42%	100%	0%	0%	0%	100%
Traffic	3%	100%	0%	0%	0%	100%
Survey	12%	50%	0%	0%	50%	100%
Geotech	5%	0%	0%	100%	0%	100%
Identify the percentage of work for the overall contract to be performed by the prime consultant and each sub-consultant.						
Percent of Contract	100%	83.3%	5.7%	5%	6%	



# SECTION 13

FIRM SIZE



13. For all firms that are part of this team, indicate the approximate number of personnel to be committed to this contract, by DOTD Job Classification and the total number of personnel within the firm that could provide support, if needed. If a specialized job classification is required and not included on the DOTD job classification list, specify "Other (please specify)" and include the classification title inside the parentheses. The DOTD Job Classification(s) to be used can be found at the following link:

Firm Name	DOTD Job Classification	Number of Personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
Volkert, Inc.	Supervisor - Eng	4	37
Volkert, Inc.	Engineer	7	84
Volkert, Inc.	Surveyor	1	0
Volkert, Inc.	Engineer Intern	2	3
Volkert, Inc.	CADD Technician	6	0
Volkert, Inc.	Party Chief	1	0
Volkert, Inc.	Rodman	1	0
Volkert, Inc.	Technician	1	0
Terracon Consultants, Inc.	Supervisor - Eng	2	4
Terracon Consultants, Inc.	Engineer	1	4
Terracon Consultants, Inc.	Technician	2	8
EJES, Inc.	Principal	1	3
EJES, Inc.	Engineer Intern	3	3
NTB Associates, Inc.	Principal	1	1
NTB Associates, Inc.	Engineer	1	1
NTB Associates, Inc.	Surveyor	3	0
NTB Associates, Inc.	Party Chief	1	3
NTB Associates, Inc.	Senior Technician	1	1

# SECTION 14

## ORGANIZATIONAL CHART

A photograph of a road with a speed limit sign. The sign is white with a black border and black text that reads "SPEED LIMIT 45". The road is paved and has a yellow line on the left side. There are trees and grass on both sides of the road. The sky is blue with some clouds. The overall image has a dark blue overlay.

**VOLKERT**

14. Organizational Chart:

(Minimum Personnel Requirement Nos.)

**FIRM LEGEND**

**Volkert**

**Terracon**

**EJES**

**NTB**



**Principal-in-Charge**

Janet Evans, PE, MBA (1,2,3)



**Project Manager**

Clinton Patrick, PE, PLS (6)



**Client Liaison &  
QA/QC Manager**

Chris Patrick, PE (6)



**Assistant Project Manager**

Ashley Beckendorf, PE

**Roadway Design**

Ryan Ordeneaux, PE  
Gaston Iberra, PE  
Parker Scheuermann, EI  
Jeffery Aycock, EI  
Jeffree Chapa  
Tanita Gilbert-Baker, PE, MBA (6)  
Shirley Wilson, EI  
Bryan Joseph, EI  
Nicholas LaValla, EI

**Traffic Engineering/Analysis**

Jonathan Gambino, PE, PTOE, RSP1 (8)

**Bridge Design**

Hossein Ghara, PE, MBA (4)  
Jacob Parker, PE (5)  
Artur D'Andrea, PE  
Ahmed Rageh, PE (4)

**CADD/Technician**

Chad Fisher  
Brian Roberts  
Jay Gilbreath  
Krenish Matthews  
Matthew Abraham

**Survey**

Randy Denmon, PE, PLS (9)  
Steven Lengefeld  
Bryan Ardoin  
Benny Fox  
Paul Rossini, PLS (9)  
Bryan T. Bunch, PLS (9)  
Mike King, PLS  
Grant Gilleon, PLS  
Amy Schulze, PE, CFM  
T.J. Sitton  
William Offer

**Geotechnical Engineering**

Lynne Roussel McMillen, PE (7)  
Albert Ayenu-Prah, Jr., PhD, PE (7)  
Ryan Poindexter, PE  
Matt Miton  
Brian Alexander

# SECTION 14

## MINIMUM PERSONNEL REQUIREMENTS



15. Minimum Personnel Requirements:

Use the table below to identify both prime consultant and sub-consultant staff designated to work on this contract meeting the Minimum Personnel Requirements (MPRs) specified in the advertisement. Ensure the résumé reflects the required experience stated in the MPR.

MPR No. Do not insert wording from ad	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license and discipline meeting MPR/ certification & number	State of license	License / certification expiration date
1	Janet L. Evans, PE, MBA	Volkert, Inc.	PE # - Civil 21307	LA	09/30/2024
2	Janet L. Evans, PE, MBA	Volkert, Inc.	PE # - Civil 21307	LA	09/30/2024
3	Janet L. Evans, PE, MBA	Volkert, Inc.	PE # - Civil 21307	LA	09/30/2024
4	Hossein Ghara, PE, MBA Ahmed Rageh, PhD, PE	Volkert, Inc. Volkert, Inc.	PE # - Civil 18899 PE # - Civil 47953	LA LA	03/31/2025 09/30/2025
5	Jacob Parker, PE	Volkert, Inc.	PE # - Civil 30596	LA	09/30/2025
6	Clinton Patrick, PE, PLS Chris Patrick, PE Tanita Gilbert-Baker, PE	Volkert, Inc. Volkert, Inc. EJES, Inc.	PE # - Civil 40919 PE # - Civil 24424 PE # - Civil 29350	LA LA LA	03/31/2025 09/30/2025 03/31/2025
7	Lynne Roussel McMillen, PE Albert Ayenu-Prah, Jr., PhD, PE	Terracon Consultants, Inc. Terracon Consultants, Inc.	PE # - Civil 35152 PE # - Civil 37402	LA LA	03/31/2024 03/31/2025
8	Jonathan Gambino, PE, PTOE, RSP1	Volkert Inc.	PE # - Civil 41496 PTOE # 4433 RSP1 # 587	LA	09/30/2025 03/18/2024 04/05/2024
9	Randy Denmon, PE, PLS Bryan T. Bunch, PLS Paul Rossini, PLS	Volkert, Inc. NTB Associates, Inc. NTB Associates, Inc.	PLS # - Survey 4798 PLS # - Survey 5014 PLS # - Survey 4731	LA LA LA	03/21/2025 03/31/2024 09/30/2024

# SECTION 16

## STAFF EXPERIENCE



# PROJECT MANAGEMENT TEAM

Jan Evans, PE, MBA | *MPR #1, 2, 3*

Clinton Patrick, PE, PLS | *MPR #6*

Ashley Beckendorf, PE

Chris Patrick, PE | *MPR #6*

STAGE 0

ROUTE 1\_H\_014056\_1\_3.dgn



**I-69 FRONTAGE RD. CURVE DATA**  
 P.I. STA. 237+12.50  
 $\Delta$  • 37°17'04.22" L.T.  
 D • 0°39'12.47"  
 T • 2704.47'  
 L • 5246.57'  
 R • 8768.00'

<b>STAGE 0</b>	
<b>PRELIMINARY</b>	<b>NEEL-SCHAFFER, INC.</b>
FOR REVIEW ONLY	ENGINEER: DSHILI S. YOUNG LICENSE #: 33723 DATE: 11/29/2021



- LEGEND**
- ROADWAY IMPROVEMENTS
  - APPARENT R/W
  - REQ'D R/W
  - RESIDENTIAL TAKING
  - REMOVALS
  - WELLS\*
  - OIL/GAS WELLS\*
  - WATERWAY\*

DESOTO	PARISH	SECTION	DATE
B16-11			
CONCEPT LAYOUT ALTERNATE 1			



16. Staff Experience:

Résumés shall be provided for all prime and sub-consultant personnel listed in Sections 14 and/or 15 of the proposal. Résumés of personnel not identified in Section 14 or Section 15 of the proposal should not be included and will not be evaluated. Résumés should be limited to 2 pages per person. Any certificates required by the advertisement are to be placed in Section 20.

**Firm employed by: Volkert, Inc.**

**Janet L. Evans, PE, MBA**

*Principal-in-Charge*

**Years of relevant experience with this employer**

14

**Years of relevant experience with other employer(s)**

26

**Degree(s) / Years / Specialization**

MBA | 1986 | Business Administration  
BS | 1980 | Civil Engineering

**Year registered**

1984

**Active registration number / state / expiration date**

21307 | LA | 9/30/2024

**Discipline**

Civil



**Contract role(s) / brief description of responsibilities:**

Ms. Evans will be serving as Project Principal. She will fulfill Minimum Personnel Requirements #1, 2, & 3 for the duration of this project.

**Experience dates  
(mm/yy-mm/yy)**

**Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).**

Ms. Evans joined Volkert in 2008 and has over 40 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 allow 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 DOTD projects and is currently providing Construction Quality Assurance on several urban roadway and bridge replacement projects in the area.

09/22 - 09/27 (est.)

**Louisiana Department of Transportation Development, District 04 IJJA Off-System Bridge Program.** Volkert has been selected to assist the DOTD in the selection of eligible bridge structures to be replaced, designed, and constructed under the Infrastructure Investment and Jobs Act (IJJA) Off-System Bridge Program. Ms. Evans is the Operations Manager assisting in the Phase 1 preliminary screening matrix and bridge selection process based on a set budget provided; ultimately moving the selected bridges to construction while coordinating with the DOTD and local stakeholders. Volkert is performing Hydraulic Analysis and Bridge Design services. Volkert will evaluate each site and provide a recommended drainage alternate type and applicable dimensions, as well as perform the hydraulic design of the drainage structure in accordance with the DOTD Hydraulic Design Guidelines for the Off-System Bridge Replacement and Rehabilitation Program manual.

06/20 - 08/24 (est.)

**LA 23: Belle Chasse Bridge and Tunnel (HBI) Improvements.** Principal-in-Charge. Ms. Evans is serving as Project Principal for the Belle Chasse Bridge and Tunnel Improvements. Volkert will be responsible for providing all Engineering Design and Construction Support services including implementation of the Construction Quality Assurance Plan for the Belle Chasse Bridge & Tunnel Public Private Partnership (P3) Project which provides for the replacement of the Belle Chasse Tunnel and Judge Perez Lift Bridge with a new toll bridge.

Firm employed by: Volkert, Inc.	
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).
	This includes the development of construction plans, bridge replacement plans, decommissioning of the Tunnel and development of O&M plans. As the OVT, Volkert will provide guidance and support to the DOTD Project Manager prior to and during reviews, develop review comments, attend project meetings, ensure that the P3 team adheres to their contract, and address other assignments as directed.
04/18 - 04/19	<b>I-220 to Barksdale AFB Connector Design-Build Procurement, Bossier Parish, LA (DOTD).</b> Ms. Evans is serving as Principal-in-Charge for Volkert’s team as they completed preliminary construction cost estimates and reviewed preliminary engineering layouts from DOTD to help assess impacts, constructibility design issues. She also helped produce the Performance Specifications, worked with DOTD staff in each category for project specific design issues to be addressed. She also assisted in the preparation of the Public Information Meetings and the One-on-One meetings with the shortlisted Design-Build teams for this \$71.8 M Design-Build project. State Contract No. 4400004915 TO 5, S.P. No. H.003370.
12/17 - 12/20	<b>Causeway Shoulder Bay Design, Jefferson and St. Tammany Parishes, LA (Greater New Orleans Expressway Commission).</b> Volkert was selected to design essential and long-awaited shoulder additions. The bridge shoulders, comprising 12 “shoulder bays,” will provide a safe space for disabled vehicles to pull over out of traffic. They will also increase safety for motorists and emergency personnel in the event of a crash. This project was executed using the CMAR alternative delivery method, a first for the State of Louisiana. Mrs. Evans served as Project Principal and Project Manager for this project.
08/17 - 02/20	<b>I-10: Highland Road to LA 73 Design-Build, East Baton Rouge and Ascension Parishes, LA (DOTD).</b> Ms. Evans is serving as Principal-in-Charge for the Owner Verification Team (OVT) on Task Orders 3 & 4 which allows Volkert to provide procurement and project oversight and acceptance for both design and construction for the I-10 Design-Build project from Highland Road in East Baton Rouge Parish to LA 73 in Ascension Parish. She is responsible for all project oversight for the Design and Construction on this \$72M Design-Build project. This project consists of upgrading a portion of I-10 in East Baton Rouge and Ascension Parish to a six-lane controlled access facility including construction of a new six-lane I-10 overpass at Highland Road. This was the fastest procured design-build today in DOTD History. State Contract No. 4400004915 TO 3 & 4, S.P. No. H.009250.
03/15 - 07/17	<b>I-10: French Branch Bridge – West Pearl River Bridge, Routes I-10, I-12, I-59, St. Tammany Parish, LA (DOTD).</b> Ms. Evans served as Principal-in-Charge. Volkert provided construction contract administration and CEGI services for the clearing and grubbing, grading, drainage structures, cold planning asphaltic concrete, Class II Base Course, Superpave asphaltic concrete pavement, Portland Cement Concrete Pavement, and lime treatment.
08/06 - 08/11	<b>I-10 Twin Span Bridge Over Lake Pontchartrain Low Level Portions and Main Spans in Orleans and St. Tammany Parishes, LA (DOTD).</b> The new bridge was designed for a 100-year life and built 300 feet to the east of the existing bridge. The bridge has an elevation of 30 feet, 21 feet higher than the existing bridge, with an 80-foot high-rise section near the Slidell side to allow for marine traffic and withstand a much higher storm surge. The 60-foot width of each span included three 12-foot lanes and two 12-foot shoulders on each side. The bridge was designed to include reinforced concrete walls to increase storm surge resistance and minimize the effects of any barge collision. Mr. Heraty served as Construction and Inspection Engineer for this project.

Firm employed by: Volkert, Inc.

**Clinton Patrick, PE, PLS**

*Project Engineer / Surveyor*

Years of relevant experience with this employer

8

Years of relevant experience with other employer(s)

3

Degree(s) / Years / Specialization

BS |2012 | Civil Engineering

Year registered

2016  
2023

Active registration number / state / expiration date

40919 | LA PE | 03/31/2025  
5311 | LA PLS | 09/30/2025

Discipline

Civil  
Surveyor



Contract role(s) / brief description of responsibilities:

Mr. Patrick will serve as Project Engineer / Surveyor. He will fulfill Minimum Personnel Requirement #6 for the duration of this project.

Experience dates  
(mm/yy-mm/yy)

Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).

Mr. Patrick has over 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).

08/15 - 03/19

**Sterlington Park, LLC - Somerset Park.** 5-Phase Residential Development with approximately 850 lots which included roadway, drainage, detention, storm sewer, gravity sewer, sewer lift station and main, and water main. Project included 2 detention areas and all-underground drainage systems.

01/15 - 12/25 (est.)

**City of Monroe - Georgia Street Pump Street.** 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.

05/10 - 08/20

**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*  
05/15 - 12/20

**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 by-pass for the City of Bossier. The project included multiple roundabouts, signal improvements, drainage structures and a super elevated 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.

Firm employed by: Volkert, Inc.

Experience dates  
(mm/yy-mm/yy)

Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).

*Prior to Joining Volkert*

**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.

Firm employed by: Volkert, Inc.

**Ashley Beckendorf, PE**

Assistant Project Manager / Roadway Design Engineer

Years of relevant experience with this employer

8

Years of relevant experience with other employer(s)

6

Degree(s) / Years / Specialization

BS | 2008 | Civil Engineering

Year registered

2012

Active registration number / state / expiration date

37334 | LA | 3/31/2025

Discipline

Civil



Contract role(s) / brief description of responsibilities:

Ms. Beckendorf will serve as Roadway Design Engineer for the duration of this project.

Experience dates  
(mm/yy-mm/yy)

Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).

Ms. Beckendorf has 14 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 six 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. Before her management experience she worked on the East Baton Rouge Greenlight Program and East Baton Rouge Parish Sanitary Sewer Overflow Program, beginning from the preliminary stages to design, on through construction. With her experience working with EBR through these projects, combined with her knowledge of engineering and managerial experience give her the ability to make a very effective manager. 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. Ms. Beckendorf’s certifications include:

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

05/19 - 12/21

**I-220/I-20 Interchange Improvements to BAFB Access Design-Build, Bossier Parish, LA (DOTD).** Ms. Beckendorf is providing roadway design submittal review for Volkert’s team. The I-220/I-20 Interchange Improvement and BAFB Access project in Bossier Parish consists of the extension of I-220 to the south over I-20 as a limited access 4-lane arterial to a new terminus on Barksdale Air Force Base (BAFB) and includes construction of four interchange ramps providing interchange connectivity for the new access road. The project includes the construction of two sets of bridge structures, one set for the I-20 over pass and the second set for the over- pass of the KCS RR. The project terminus will tie to a BAFB roadway project creating a new access location for the base. | State Contract No. 4400016173, S.P. No. H.003370.6.

05/18 - 05/19

**LA 929 at LA 930 Roundabout, Ascension Parish, LA (Ascension Parish Government).** As project manager and lead engineer, Ms. Beckendorf coordinated all sub-consultants and supervised all work done on the project. This a new roundabout at LA 929 and LA 930. It consists of a one lane roundabout with a combination of ditch drainage and subsurface drainage.

Firm employed by: Volkert, Inc.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).
05/18 - 05/19	<b>Plank Road, East Baton Rouge Parish, LA (Baton Rouge Metropolitan Airport).</b> As project manager, Ms. Beckendorf coordinates between sub-consultants, between the airport, the FAA, and DOTD. She is responsible for the design of Plank Road (the new alignment), QA/QC of all components and supervision of all PE's, EI's, and technicians working on the project's design. This project is to relocate Plank Road along a new alignment. The project includes ROW acquisition and all the design for a new 4 lane highway with J-turns. It also includes ROW acquisition and all the design for additional lanes along Harding and Hooper Road. It also includes a new lighting system and new signalized intersection. This project is an Airport project, funded by FAA, but the road will be transferred to DOTD.
10/15 - 09/16	<b>I-10: Highland Road to LA 73 Supplemental Agreement No. 2, East Baton Rouge and Ascension Parishes, LA (DOTD).</b> Volkert was contracted to perform and prepare an Interstate Modification Report (IMR) to analyze the existing roadway networks and identify the best alternatives to improve capacity the interchange at I-10 and LA 42. As one of the Project Engineers, Ms. Beckendorf assisted in managing the project tasks. She performed 15-minute queue length analyses. She performed a crash study, including a crash analysis of all the intersections, segments, and spots using DOTD manual for Crash Data Analysis and crash1b software, pulling crash reports, analyzing the over representation, and drawing crash diagrams. Lastly, she has assisted in the time travel study.   State Contract No. 4400004915 SA 2, S.P. No. H.009250
01/15 - 04/15	<b>Clarence Henry Truckway Right Turn Lane Addition   New Orleans, LA   Port of New Orleans.</b> As Project Manager and Project Engineer, Ms. Beckendorf provided roadway engineering for a right turn lane addition of approximately 1 mile in length. The scope of her work included plans, specifications and quantities with plan elements such as typical sections, plan sheets, striping and signing, sequence of construction and traffic control. Volkert is responsible for the preliminary submittal through the 100% final design plan submittal.
04/14 - 12/15	<b>Magnolia Converted Pedestrian Bridge Rehabilitation   New Orleans, LA   City of New Orleans.</b> Ms. Beckendorf designed ADA compliant sidewalks and ramps. Volkert is responsible for providing design, engineering and construction management services to the City for the rehabilitation of a late 19th century bridge over Bayou St. John.
04/14 - 12/14	<b>St. Landry Road – Edenborne Connector, Ascension Parish, LA (Ascension Parish Government).</b> As Project Engineer, Ms. Beckendorf provided roadway design engineering including plan profiles, specifications, geometrics, typical cross sections, and striping and signing plans. For the sewer work, she designed gravity and force main lines and assisted with the design of the pump station and site layouts. The project consists of providing provide an environmental impact study, right away analysis, full roadway and utility design, and bid services for a divided facility that will connect St Landry Ave. and Edenborne Connector. Volkert is responsible for the initial preliminary information submittal through the 100% final design plan submittal.

Firm employed by: Volkert, Inc.

**Chris Patrick, PE**

*Client Liaison & QA/QC Manager*

Years of relevant experience with this employer 36

Years of relevant experience with other employer(s) 0

Degree(s) / Years / Specialization BS | 1986 | Civil Engineering

Year registered 1991

Active registration number / state / expiration date 24424 | LA PE | 09/30/2025

Discipline Civil & Environmental



Contract role(s) / brief description of responsibilities:

Mr. Patrick will serve as Client Liaison & QA/QC Manager for the duration of this contract. He will fulfill Minimum Personnel Requirement #6 for the duration of this project.

Experience dates  
(mm/yy-mm/yy)

Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).

Mr. Patrick has 36 years of experience in civil/environmental engineering and construction management and is a licensed civil and environmental engineer. Mr. Patrick routinely functions as the team leader and project engineer, handling significant portions of complex projects as well as entire projects. He is highly experienced in the design of roadways and other transportation projects including pavement, geometric, and drainage design as well as the production of final plans and specifications in accordance with LADOTD procedures.

09/23 - 09/24

**North-South Corridor, Bossier Parish, LA.** The project shall consist of providing all necessary administration, planning, engineering, and land surveying required for developing the Project to construct a new roadway from Benton Road to Airline Drive along alignment selected by Environmental Study accomplished by Bossier Parish Police Jury.

04/23 - 04/24

**Christian Street Improvements.** Project Manager. Volkert was selected to provide the surveying and engineering necessary to design street improvements for Christian Drive in Rayville, LA

04/22 - 09/22

**Madison Parish Port Entrance Road.** Project Manager. Volkert was selected to provide topographic surveying, final design, bidding and award, and construction inspection for the reconstruction of the Madison Parish Port entrance road in accordance with all preliminary reports.

09/21 - 09/22

**Bastrop Street Improvements, Bastrop, LA.** Project Manager where Volkert provided all engineering required for the rehabilitation of the streets included in the group of streets identified by the City. Coordinate the relocation of underground services owned by privately owned utility companies which are located in city right-of-ways and as needed by the planned street work. Volkert also provided all engineering required to provide for the repair, improvement, replacement or relocation of the City's utilities water or drainage systems located in the City's right-of-ways as needed by the planned street work.

12/03 - 06/10

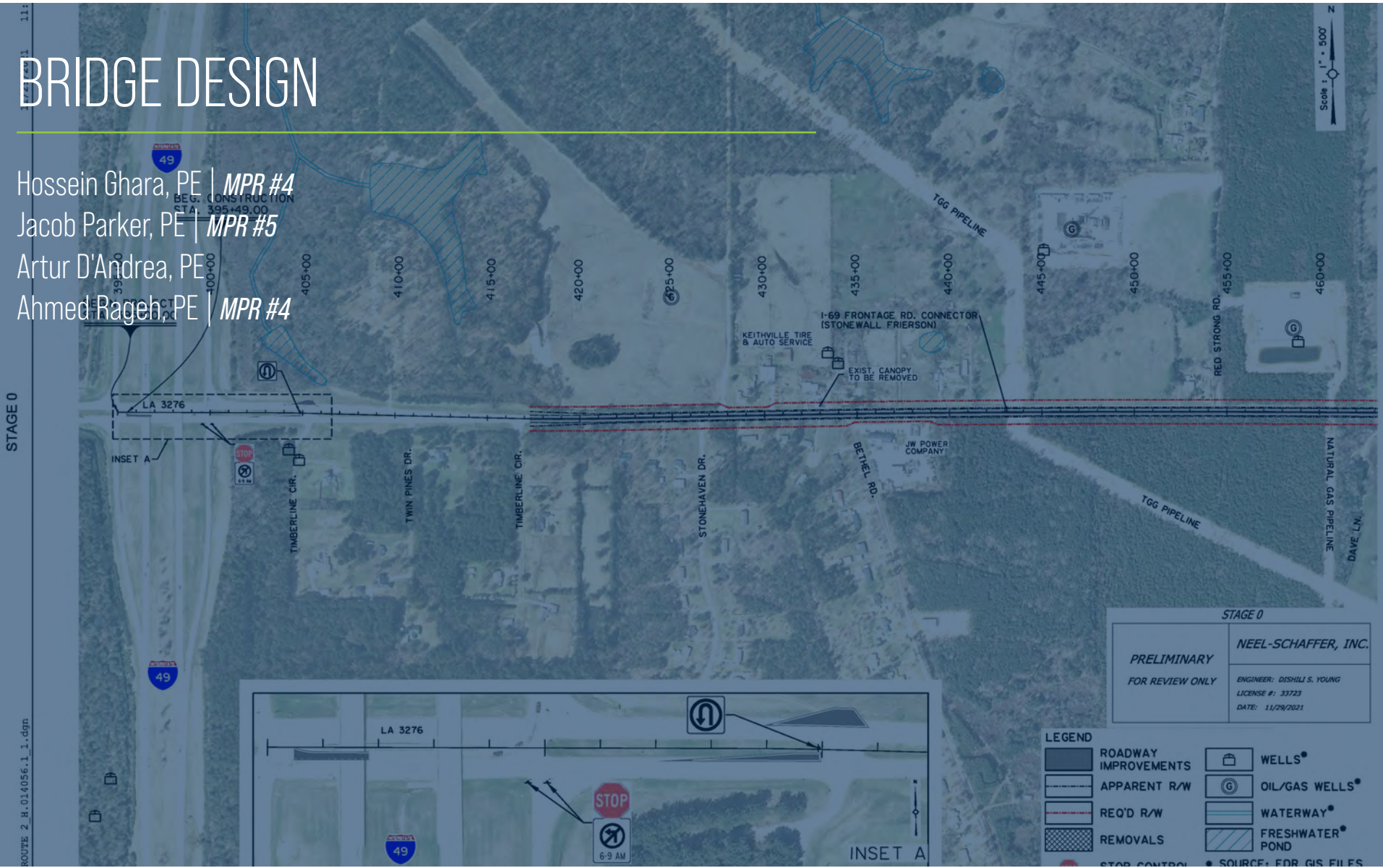
**US 167 Dubach - Bernice** Final Design for reconstruction of rural section of US 167, approx. 5.5 miles. Construction added two additional lanes to the existing road to create a four lane - divided highway. Approx. cost of construction \$20,000,000.

01/95 - 07/01

**Route US 165, Olla to LA 843 (LaSalle & Caldwell Parishes)** Preparation of preliminary and final plans for widening to 5-lane urban and 4-lane rural section.

# BRIDGE DESIGN

Hossein Ghara, PE | MPR #4  
 Jacob Parker, PE | MPR #5  
 Artur D'Andrea, PE  
 Ahmed Rageh, PE | MPR #4



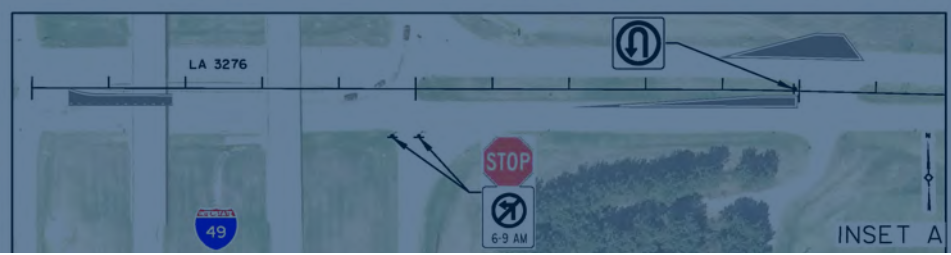
STAGE 0

Scale: 1" = 500'

STAGE 0

PRELIMINARY FOR REVIEW ONLY	NEEL-SCHAFFER, INC. ENGINEER: DISHLI S. YOUNG LICENSE #: 33723 DATE: 11/29/2021
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- LEGEND
- ROADWAY IMPROVEMENTS
  - APPARENT R/W
  - REQ'D R/W
  - REMOVALS
  - STOP CONTROL
  - WELLS\*
  - OIL/GAS WELLS\*
  - WATERWAY\*
  - FRESHWATER POND
  - SOURCE: EDR GIS FILES



ROUTE 2\_H\_014056\_1\_1.dgn

DESOTO	PARISH	SECTION
B16-11		

CONCEPT LAYOUT  
ALTERNATE 2



Firm employed by: Volkert, Inc.

**Hossein Ghara, PE, MBA**

Structural / Bridge Design Engineer

Years of relevant experience with this employer

4

Years of relevant experience with other employer(s)

44

Degree(s) / Years / Specialization

MBA | 1986 | Business Administration  
BS | 1976 | Civil Engineering

Year registered

1980

Active registration number / state / expiration date

18899 | LA | 3/31/2025

Discipline

Civil



**Contract role(s) / brief description of responsibilities:**

Mr. Ghara will be serving as Project Engineer. Mr. Ghara will fulfill Minimum Personnel Requirement #4 for the duration of this project.

Experience dates  
(mm/yy-mm/yy)

Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).

Prior to joining Volkert in September 2018, Mr. Ghara worked for a consulting engineering firm for over 4 years. Prior to that, he served as the DOTD State Bridge Engineer for 12 years. In this capacity, he administered and managed a major Section in Louisiana DOTD as an appointing authority overseeing staff ranging from 65 to 110 people, comprising of primarily Civil and Structural Engineers, Electrical and Mechanical Engineers as well as many Engineering Technician. He served in several AASHTO Technical Committees nationwide such as Chair the Tech. Committee on Bridge and Tunnel Security, T-1 and member of the Tech. Committee on Concrete Design, T-10. He recently renewed his ATSSA Traffic Control Supervisor, Technician and Flagger certifications. While serving as State Bridge Design Engineer, he oversaw the rehabilitation work done to the Huey P. Long Bridge and construction of the John James Audubon bridge, which was Louisiana's first Design-Build bridge and is currently North America's longest Cable Stay Span Bridge.

09/22 - 09/27 (est.)

**District 04 IJJA Off-System Bridge Program, DOTD.** Volkert has been selected to assist the DOTD in the selection of eligible bridge structures to be replaced, designed, and constructed under the Infrastructure Investment and Jobs Act (IJJA) Off-System Bridge Program. Mr. Ghara is the Senior Project Manager assisting in the Phase 1 preliminary screening matrix and bridge selection process based on a set budget provided; ultimately moving the selected bridges to construction while coordinating with the DOTD and local stakeholders. Volkert is performing Hydraulic Analysis and Bridge Design services. Volkert will evaluate each site and provide a recommended drainage alternate type and applicable dimensions, as well as perform the hydraulic design of the drainage structure in accordance with the DOTD Hydraulic Design Guidelines for the Off-System Bridge Replacement and Rehabilitation Program manual

06/20 - 8/24

**Causeway Shoulder Bay Improvements, Jefferson Parish, LA for Greater New Orleans Expressway Commission.** Mr. Ghara's served as Structural Engineer and his responsibilities include design of basic safety plan and elevation, design of girders, design of cable tray attachment and miscellaneous electrical details, design of sign support details and design of transition barriers. This project was executed using the CMAR alternative delivery method, a first for the State of Louisiana.

05/20 - 05/21

**I-220/I-20 Interchange Improvements to BAFB Access Design-Build, Bossier Parish, LA for the DOTD.** Mr. Ghara served as Structural Engineer for Volkert's team. He was responsible for all project oversight for the Design and Construction on this \$71.8M Design-Build project. The I-220/I-20 Interchange Improvement and BAFB Access project in Bossier Parish consisted of the extension of I-220 to the south over I-20 as a limited access 4-lane arterial to a new terminus on Barksdale Air Force Base (BAFB) and includes construction of four interchange ramps providing interchange connectivity for the new access road. The project included the construction of two sets of bridge structures, one set for the I-20 over pass and the second set for the overpass of the KCS RR. The project terminus tied to a BAFB roadway project creating a new access location for the base. State Contract No. 4400016173, S.P. No. H.003370.6.

Firm employed by: Volkert, Inc.

Experience dates  
(mm/yy-mm/yy)

Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).

02/20 - 08/24 (est.)

**LA 23: Belle Chasse Bridge and Tunnel (HBI) Improvements, Plaquemines Parish (DOTD).** Mr. Ghara is serving as project manager for the Belle Chasse Bridge and Tunnel Improvements. Volkert will be responsible for providing all Engineering Design and Construction Support services including implementation of the Construction Quality Assurance Plan for the Belle Chasse Bridge & Tunnel Public Private Partnership (P3) Project which provides for the replacement of the Belle Chasse Tunnel and Judge Perez Lift Bridge with a new toll bridge. This includes the development of construction plans, bridge replacement plans, decommissioning of the Tunnel and development of OGM plans. As the OVT, Volkert will provide guidance and support to the DOTD Project Manager prior to and during reviews, develop review comments, attend project meetings, ensure that the P3 adheres to their contract, and address other assignments as directed.

05/19 - 07/20

**I-12 Widening (US 190 to LA 59) Route I-12, St. Tammany Parish for T. Baker Smith, LLC and the DOTD.** Mr. Ghara served as Structural Engineer. Volkert is responsible for bridge design, road design, and ICE/CPM which includes all engineering services necessary to complete the submittal of Stage 3 Design, Part III, Preliminary Plans and Part IV, Final Plans. This project is to widen and rehabilitate I-12 to the median side from a four lane freeway to a six lane freeway section in both the East and Westbound direction. The project begins just west of US 190 and ends just east of LA 59 for approximately 4 miles.

04/18- 01/20

**I-12 to Bush: LA 435 - LA 40/LA 41 for T. Baker Smith and the DOTD.** As a sub-consultant to T. Baker Smith, Volkert provided bridge and road design services as necessary to complete the submittal of Stage 3 Design, Part III Preliminary Plans. Volkert was responsible for the review of the environmental study, traffic data, parish maps, aerial photos, and DOTD roadway classification.

09/18 - 07/20

**I-10: Highland Road to LA 73 Design-Build, East Baton Rouge and Ascension Parishes, LA (DOTD).** Mr. Ghara served as Review Engineer for the Owner Verification Team on Task Order 4 which allowed Volkert to provide project oversight and acceptance for both design and construction for the I-10 Design-Build project from Highland Road in East Baton Rouge Parish to LA 73 in Ascension Parish. He was responsible for all project oversight for the Design and Construction on this \$72M Design-Build project. This project consisted of upgrading a portion of I-10 in East Baton Rouge and Ascension Parish to a six-lane controlled access facility. |State Contract No. 4400004915 TO 4, S.P. No. H.009250.

04/16 - 12/17

**LA 1 over I-49 Bridge Rehabilitation:** Mr. Ghara was responsible for the plan development to rehabilitate the existing overpass bridge at this location. Two new 100' long steel plate girder spans were designed and added, one on each end of the existing bridge. An Epoxy-Urethane overlay system was applied on top of the bridge deck prior to its opening to traffic. The new spans were supported with concrete columns and 54" round Drilled Shafts.

6/14 - 08/16

**US 11 Lake Pontchartrain Bridge Rehabilitation.** Mr. Ghara was been engaged with the various aspects of this project's plan development and construction process. It is a 5.5-Mile-long bridge connecting New Orleans to Slidell which needs significant repair due to its old age. SDR was retained by LADOTD to make a thorough inspection of this bridge and assess its required repairs and identify the most cost effective and innovative methods for its repairs and rehabilitation. The Carbon Fiber Reinforced Polymer (CFRP) system was designed and detailed for the repairs of the spalled concrete in girders, deck, diaphragms, caps, and the precast concrete pilings.

04/13 - 03/15

**The US 90 Macarthur Dr. Ramps, Ph. II,** overseeing the design and plan development of this project which is among the more significant accomplishments since joining SDR Engineering Consultants in 2013. This project includes removal of an off ramp and the addition of another off and on ramp on the East Bound of the West Bank Expressway in New Orleans. Serve as the QC/QA manager of the plans and the design which has encompassed the review of constructability of various design and detail options. An example is to recommend Drilled Shafts instead of driven piles to minimize interference with the ground traffic and problems with vibration during pile driving and overrun of pile pay quantity. This project presents several challenges to its designers given that it requires the strategic removal of a portion of the existing bridge made of prestressed concrete box girders and transitioning them to two new bridge ramps.

Firm employed by: Volkert, Inc.

**Jacob Parker, PE**

Structural / Bridge Design Engineer

Years of relevant experience with this employer

5

Years of relevant experience with other employer(s)

17

Degree(s) / Years / Specialization

BS | 1998 | Civil Engineering

Year registered

2003

Active registration number / state / expiration date

30596 | LA | 9/30/2025

Discipline

Civil



**Contract role(s) / brief description of responsibilities:**

Mr. Parker will serve as Project Engineer. He will fulfill Minimum Personnel Requirement #5 for the duration of this project.

**Experience dates**  
(mm/yy-mm/yy)

**Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).**

Mr. Parker has over 20 years of structural engineering experience including in the design of prestressed concrete bridge design with spans up to 150 feet and in the design of geometrically challenging and complex bridges, such as curved, super-elevated, skewed piers, and movable spans. He also has experience with structural analysis, reinforced concrete design, prestressed concrete design, wood and timber design, advanced mechanics of materials, finite element analysis, shallow foundations, inland waterways, and engineering for natural hazards. Mr. Parker also has the following training: LRFD Training (Seismic Design/Movable, etc.), LEAP Bridge, STAAD, MDX, WinSEISAB, CONSEC, Response 2000, AASHTO GM-2.1, Virtis, Retain Pro, PCA Column, MATHCAD, Smath, Microstation, AutoCAD & AutoCAD 3D.

01/22 - 01/23 (est.)

**Reconstruction of the Chalmette Slip, Wharves A & F | St. Bernard Port Harbor & Terminal District St. Bernard Parish | Arabi, LA.** Mr. Parker served as Engineer of Record for Design which consisted of demolition and reconstruction of remaining original wharves at the Arabi Terminal. Reconstruction consisted of cast in place deck on precast concrete girders resting on precast concrete caps and supported by large diameter steel pipe pile bents supporting loads from 750 psf to 1000 psf or wheel loads from fully loaded forklift. Precast prestressed concrete box beams were used as edge beams and designed to take lateral loads from the berthing of ships. Bents were designed to absorb mooring loads and berthing loads. An upper and lower combination fender system was developed to handle both large vessels (upper) and barges (lower) so as to protect the superstructure and substructure from vessel impact. At grade portions of the wharves consisted of timber pile supported concrete slab designed to support 1000 psf or wheel loads from a fully loaded forklift, whichever controlled. Wharves were designed to comply with the following design codes and specifications: Various Port Facility Related Uniform Facilities Criteria (UFC), International Building Code (IBC), American Concrete Institute (ACI), and American Society of Civil Engineers (ASCE) Design of Marine Facilities Specification.

09/20 - 06/22

**Oak Harbor Bridge Replacement over I-10, Slidell, LA (DOTD).** Engineer-of-Record on design, detail, and **load rating** of the repair of several damaged prestressed girders at Oak Harbor Bridge over I-10, near Slidell, Louisiana. The damage to several girders was due to an over-height vehicle collision, resulting in major spalling of two girders with severed pre-stressing strands, and minor spalling of several other girders. **Multiple iterations of load rating** were conducted and structural analysis of the damaged girders at various stages of the repair process was performed to ensure the structural integrity of the bridge during the repair and in its final condition. The DOTD project manager considered this repair work as one of their most successful and rewarding repair projects which sets precedents for other future repair projects.

Firm employed by: Volkert, Inc.	
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).
10/19 - 10/20	<b>As Needed Structural Inspections/Load Ratings for the Port of New Orleans.</b> Volkert was chosen to provide as needed routine structural inspection and <b>load rating services</b> for structures at the Port of New Orleans (PONO) on a task order basis for a period of at least 3 years. Structural inspection reports were also provided after each inspection or load rating safety evaluation. This could include non-moveable structures, wharves composed of steel, concrete
09/18 - 12/20	<b>Causeway Shoulder Bay Improvements, Jefferson Parish, LA (Greater New Orleans Expressway Commission).</b> Mr. Parker responsibilities included design of basic safety plan and elevation, design of girders, design of cable tray attachment and miscellaneous electrical details, design of sign support details and design of transition barriers. Volkert was selected to design essential and long-awaited shoulder additions. The bridge shoulders, comprising 12 “shoulder bays,” provide a safe space for disabled vehicles to pull over out of traffic. They will also increase safety for motorists and emergency personnel in the event of a crash. This project was executed using the CMAR alternative delivery method, a first for the State of Louisiana.
08/18 - 07/20	<b>On System Timber Bridge Inspection and Load Ratings, MDOT.</b> This project consisted of inspection of complex and timber bridges; <b>load rating</b> of complex, timber, and non-complex bridges on select bridges identified by OSARC. The bridges are owned and maintained by various counties, cities, or towns throughout the state of Mississippi. All inspections were in accordance with National Bridge Inspection Standards (NBIS) and the AASHTO Manual for Bridge Evaluations (MBE). Element data was input into the State Aid InspectTech bridge software as necessary. Mr. Parker reviewed load ratings of complex bridge for Mississippi State Aid and assisted in analysis of more complex structures.
12/17 - 05/18	<b>LA 27 Over I-10 in Calcasieu Parish, LA.</b> - Design, detail, and <b>rating</b> of the repair of two parallel bridges from the damage of an over height vehicle. Details included prestressing strand splicing, CFRP repair details, epoxy injection, heat straightening, steel beam replacement, high early strength concrete, and complex traffic control including interstate closure for the rapid demolition and replacement of the steel beam.
10/15 - 10/16	<b>US 190 (Future 1-49) Over LA 318 in St. Mary Parish, LA.</b> Design, detail, <b>rating</b> , and construction engineering support for twin PPC girder structures over LA 318 on the future 1-49 corridor as part of the Future 1-49 LA 318 interchange design build project. In addition, design, detail and construction engineering support for 32, 42, and 54 in double sided single slope barriers with structurally independent foundations for ramps and pier protection.
01/14 - 01/16	<b>Load Rating of On-System Bridges Statewide in Louisiana.</b> QC of <b>load ratings</b> of on-system bridges for LADOTD in accordance with AASHTO Bridge Specifications, AASHTO MBE and LADOTD Bridge Rating Manual.
01/14 - 01/17	<b>Complex Bridge Load Rating in Mississippi.</b> Review <b>load ratings</b> of complex bridge for Mississippi State Aid and assist in analysis of more complex structures. QAQC.

Firm employed by: Volkert, Inc.

**Ahmed Rageh, PhD, PE**

Structural / Bridge Design Engineer

Years of relevant experience with this employer

1

Years of relevant experience with other employer(s)

16

Degree(s) / Years / Specialization

PhD | 2020 | Civil Engineering  
 MS | 2018 | Civil Engineering, Structures  
 MS | 2012 | Civil Engineering  
 BS | 2006 | Civil Engineering

Year registered

2023

Active registration number / state / expiration date

47953 | LA | 9/30/2025

Discipline

Civil



**Contract role(s) / brief description of responsibilities:**

Mr. Rageh will serve as Project Engineer. He will fulfill Minimum Personnel Requirement #4 for the duration of this project.

Experience dates  
(mm/yy-mm/yy)

Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).

Dr. Rageh has 14 years of experience in structural engineering with special emphasis on design and behavior of steel structures and bridges. He participated in designing and detailing of steel and post-tensioned bridges as well as designing, detailing and construction supervising of steel sutures. He has in-depth knowledge of several national and international design codes including AASHTO, ACI, AISC, and PCI. Mr. Rageh’s certifications include:

- ▼ Bridge Inspector Team Leader: Passed FHWA-NHI-130055 Safety Inspection of In-Service Bridges
- ▼ Professional Engineer, Florida No. 93229

06/23 - Ongoing

**IH 10 at US 69 Highway Bridge, TXDOT, Jefferson, TX.** Mr. Rageh serves as Structural Engineer. This project involves the US 69 Highway Bridge, which is composed of prestressed concrete spans as well as composite steel girder spans. The steel spans eight, nine, and ten are supported over integral steel straddle bents spanning 150 feet. Mr. Rageh’s responsibilities include performing 3D finite element analyses of steel spans eight to 10 to evaluate straddle bents stresses; performing nonlinear-plastic analyses to ensure the redundancy of the straddle bents; designing/detailing main span steel girders connections with integral straddle bents; and performing QAQC reviews of the steel straddle bents design.

05/23 - 06/23

**Rehabilitation of I-10 Bridge over Mississippi River, DOTD, Baton Rouge, LA.** Mr. Rageh serves as Project Manager. This project involves the rehabilitation of the steel spans of the I-10 bridge, which are deteriorating and contain cracks localized over supports. The project involves reviewing as built plans; performing site visits and field verification inspection for deteriorated regions; performing 3D finite element to determine the cause of cracking; and providing repair recommendations. Mr. Rageh’s responsibilities also included leading the verification field inspection; leading/performing the 3D finite element analyses with shell elements; leading report preparation and proposing repair details; and reviewing repair plans prepared by junior engineers.

Firm employed by: Volkert, Inc.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).
08/22 - 05/23	<b>Load Rating of 114 Bridges, DOTD.</b> Mr. Rageh serves as Structural Engineer. This project involves the load rating of 114 existing bridge structures by the Load and Resistance Factor Rating method (LRFR). Bridge types included prestressed concrete girder bridges, steel girder bridges, precast and CIP slab bridges, swing bridges. Three-dimensional finite element modeling is being used as necessary for complex bridges. Mr. Rageh’s responsibilities include performing load rating for prestressed concrete box girder bridges; leading other team members in rating prestressed concrete and multi-steel beam segments; and developing methodology, performing analyses, and developing a Mathcad file to rate inverted T caps with the Strut-and-Tie model.
05/22 - 02/23	<b>Load Testing and Evaluation of 19 Bridges, DOTD.</b> Mr. Rageh served as Structural Engineer. This project’s scope of work was to evaluate 19 bridge structures that are posted for a load lesser than the Legal Loads and/or Special Hauling Vehicles. The evaluation was carried out utilizing load rating analysis and load testing coupled with detailed 3-D Finite Element Analysis with the aim of removing current load posting. Mr. Rageh’s responsibilities included perform QA/QC on analyses and the final report prepared by other team members.
02/22 - 08/22	<b>Venetian Causeway Bridge, FL, FDOT.</b> The scope of work was to evaluate the arched concrete bridge segments that are posted for a load lesser than the Legal Loads and/or Special Hauling Vehicles. The evaluation was carried out utilizing load rating analysis and load testing coupled with detailed 3-D finite Element Analysis with the aim of removing current load posting. Mr. Rageh responsibilities included performing finite element analysis, developing instrumentation planning, and review/validation of diagnostic load testing results, and preparing final reports and commencement of results.
07/21 - 03/22	<b>Hard Rock Stadium Pedestrian Bridge, City of Miami Gardens, FL.</b> Mr. Rageh served as an Independent Peer Reviewer. This project involved the Hard Rock Stadium’s Pedestrian Bridge which crosses over the Turnpike Access Road as a single span, prefabricated truss-type bridge with a total length of 207 feet. The scope of work included carrying out an Independent Peer Review (IPR) of the bridge design to ensure that the bridge could sustain the original design loads and the additional loads imposed by new signs mounted to the bridge in accordance with FDOT Design Manual (FDM). Mr. Rageh’s responsibilities included performing the structural analysis and performing independent design checks of the truss member and connections.
05/21 - 09/22	<b>MacArthur Interchange Phase II, LADOTD.</b> Mr. Rageh served as an Independent Peer Reviewer and QA/QC. This project involved two new, on-ramp and off-ramp connections between the eastbound of the elevated West Bank Expressway (US 90-Z) and Frontage Road; demolishing the existing off-ramp; and widening the US 90-Z bridge structure to accommodate the new ramps. Mr. Rageh’s responsibilities included performing analysis and design of overhead sign structures, performing quality control for deck design developed by intern engineers, performing quality control for Strut-and-Tie analyses of critical substructure elements, and leading intern engineers in risers, pier caps and bents elevations calculations.
09/20 - 02/21	<b>Load Rating of 396 Bridges, LADOTD.</b> Mr. Rageh served as an Independent Peer Reviewer. This project involved load rating 396 off-system bridge structures using LRFR. Bridge types included prestressed concrete girder bridges, steel girder bridges, precast and CIP slab bridges, concrete culverts, swing bridges, and timber bridges. Three-dimensional finite element modeling is used as necessary for complex bridges. Mr. Rageh’s responsibilities included performing load rating for cast-in-place concrete culverts and performing QA/QC for cast-in-place concrete culverts rated by other team members.
08/15 - 05/20	<b>Bridge and Laboratory Testing, Union Pacific, Nebraska Department of Roads and Louisiana Transportation Research Center (LTRC).</b> Mr. Rageh performed this work while completing his PhD. The work involved hands-on bridge testing and monitoring. He was responsible for full-scale live load field and laboratory testing as well as structural health monitoring. He also performed full-scale testing for railway and roadway bridges with steel and concrete main carrying systems. The field work activities included preparing instrumentation plans, sensor installation, data collection, and deploying long-term monitoring system. The office work activities included collected data processing and developing calibrated 3D finite element models.
07/06 - 08/14	<b>EHAF Consulting Engineers, Egypt.</b> Mr. Rageh served as a Structural Engineer and worked on several projects involving bridge design and preservation. He worked part-time at EHAF while teaching at Al-Azhar University in Egypt.

Firm employed by: Volkert, Inc.

**Artur D'Andrea, PE**

Structural / Bridge Design Engineer

Years of relevant experience with this employer

<1

Years of relevant experience with other employer(s)

45

Degree(s) / Years / Specialization

BS | 1978 | Civil Engineering

Year registered

1983

Active registration number / state / expiration date

20561 | LA | 9/30/2024

Discipline

Civil



**Contract role(s) / brief description of responsibilities:**

Mr. D'Andrea will be serving as Structural / Bridge Design Engineer.

**Experience dates**  
(mm/yy-mm/yy)

**Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time years of experience specified in the applicable MPR(s).**

Mr. D'Andrea joined Volkert in 2023 as a civil engineer. Mr. D'Andrea has a strong background in the structural design and details of bridges and buildings. As a previous employee of DOTD he served as Louisiana Assistant Bridge Design Engineer and was in charge of three separate teams, Bridge Design, Bridge Rating and Permit Evaluation. Bridge Design Teams, County Bridge Replacement Program.

*Prior to Joining Volkert*  
2019

Experience with many types of bridge rehabilitation projects including Mississippi River Bridge truss strengthening, lift spans such as Danziger, emergency project replacements using conventional and specialized devices such as SPMT's. Designed substructure repairs and retrofit including West Pearl River along I-59. Functioned as leader of 2008 hurricanes damage assessment team covering 2400 miles and evaluating damage to many movable bridges in Louisiana. Present assignment includes project management of Mississippi River Bridge Repairs, I-20, Mississippi River Bridge Repairs, I-10 ramp repairs and Prien Lake Bridge, I-210.

*Prior to Joining Volkert*  
2017 - 2018

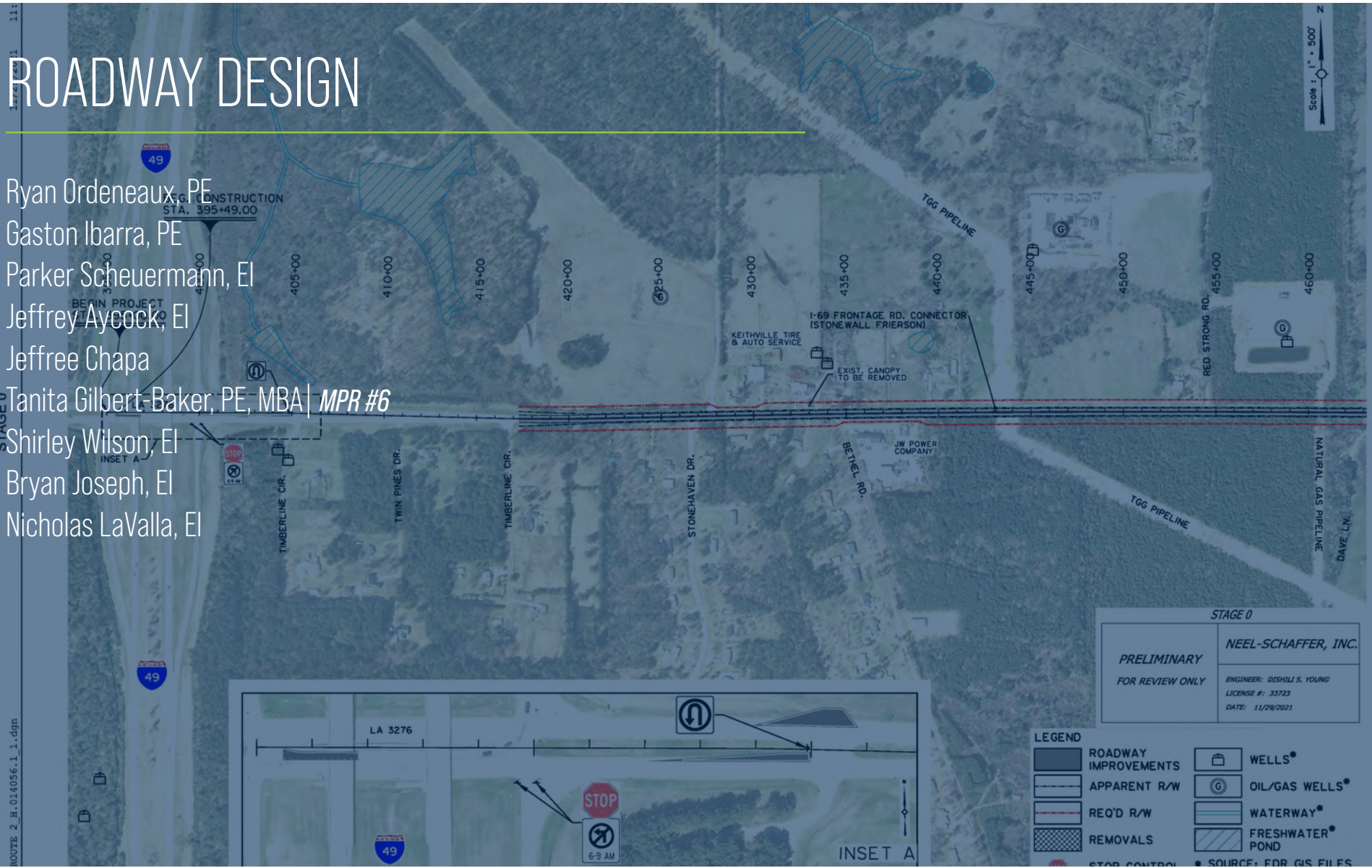
Task Manager, I-110 Interchange Modification at Terrace, H-012422

*Prior to Joining Volkert*  
2005 - 2014

Lake Pontchartrain Bridge Repair, Replacement and demolition of existing structures, PM and designer, project numbers 450-17-0022, 24 25, 28, 29 and 32, projects 700-99-0383, 0384, 0393

# ROADWAY DESIGN

Ryan Ordeneaux, PE  
 Gaston Ibarra, PE  
 Parker Scheuermann, El  
 Jeffrey Aycock, El  
 Jeffrey Chapa  
 Tanita Gilbert-Baker, PE, MBA | **MPR #6**  
 Shirley Wilson, El  
 Bryan Joseph, El  
 Nicholas LaValla, El

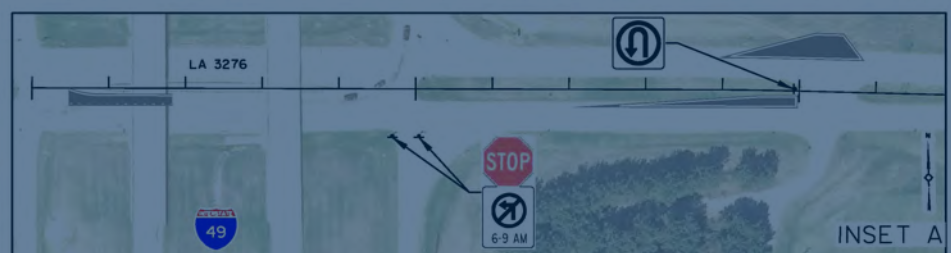


**STAGE 0**

<b>PRELIMINARY</b> FOR REVIEW ONLY	<b>NEEL-SCHAFFER, INC.</b> ENGINEER: DISHLLI S. YOUNG LICENSE #: 33723 DATE: 11/29/2021
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**LEGEND**

ROADWAY IMPROVEMENTS	WELLS*
APPARENT R/W	OIL/GAS WELLS*
REQ'D R/W	WATERWAY*
REMOVALS	FRESHWATER POND*
STOP CONTROL	* SOURCE: EDR GIS FILES



ROUTE 2\_H\_014056\_1\_1.dgn

DESOTO	PARISH	SECTION
B16-11	B16-11	

CONCEPT LAYOUT ALTERNATE 2



Firm employed by: Volkert, Inc.

**Ryan Ordeneaux, PE**

*Project Engineer / Roadway Design*

Years of relevant experience with this employer

4

Years of relevant experience with other employer(s)

16

Degree(s) / Years / Specialization

BS | 2003 | Civil Engineering

Year registered

2015

Active registration number / state / expiration date

39476 | LA | 9/30/2025

Discipline

Civil



Contract role(s) / brief description of responsibilities:

Mr. Ordeneaux will serve as Project Engineer for the duration of this contract.

Experience dates  
(mm/yy–mm/yy)

Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).

Mr. Ordeneaux has managed a variety of projects over his 20-year career including roadway design, bridge replacements, and airport 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.

09/21 - 09/22

**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 included 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 pump station. The Evangeline Road/CN Railroad Project included 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.

05/18 - 05/19

**LA 929 at LA 930 Roundabout, Ascension Parish, LA (Ascension Parish Government).** Mr. Ordeneaux served as Lead engineer for this project. Volkert was assigned a task order for the Move Ascension program to develop plans for a Roundabout Highway 929 and Highway 930, Prairieville, LA. The project required a traffic analysis, development of construction plans, drainage improvements, lighting, topographic survey, ROW mapping, geotechnical services and SUE services.

05/18 - 05/19

**Plank Road, East Baton Rouge Parish, LA, Baton Rouge Metropolitan Airport.** Mr. Ordeneaux served as Lead Project Engineer for this 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 DOTD. Volkert is also providing coordination between sub-consultants, the airport, FAA, and DOTD.

Firm employed by: Volkert, Inc.	
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).
06/17 - 06/18	<p><b>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 (DOTD), c/o GEC, Inc.</b> Mr. Ordeneaux served as Project Engineer for this project. This project involved the design of a new subsurface drainage system. It has approximately six major crossings that outfall into Canal No. 3, which parallels the interstate in this area. These drainage systems not only serve as the roadway drainage, but they also drain large segments of residential areas of Jefferson Parish that are located to the north of I-10. This approach required careful coordination with Jefferson Parish and the DOTD to ensure that all water elevations and drainage assumptions used were accurate and that the completed design met all required design criteria.</p>
06/13 - Ongoing	<p><b>Project Manager for Filmore South (Group A), final design services and construction phase services for Filmore South (Group B), and design services for Filmore South (Group C) and design services for Filmore North (Group D) for the City of New Orleans Department of Public Works in New Orleans, LA.</b> 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. Mr. Ordeneaux served as Project Manager for the construction phase services for Filmore South Group A &amp; Filmore South Group B, and preliminary and final design services for Filmore South Group C and Filmore North Group D.</p> <ul style="list-style-type: none"> <li>• <b>Filmore South Group B (RR043)</b> – 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.</li> <li>• <b>Filmore South Group C (RR044)</b> – 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.</li> <li>• <b>Filmore North Group D (RR040)</b> – Design is well under way 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.</li> </ul>

Firm employed by: Volkert, Inc.

**Gaston Ibarra, PE**

Project Engineer

Years of relevant experience with this employer

5

Years of relevant experience with other employer(s)

0

Degree(s) / Years / Specialization

BS | 2018 | Civil Engineering

Year registered

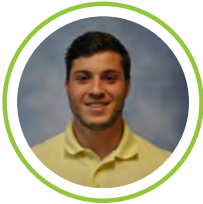
2023

Active registration number / state / expiration date

47844 | LA | 09/30/2025

Discipline

Civil



Contract role(s) / brief description of responsibilities:

Mr. Ibarra will provide Engineering services for the duration of this contract.

Experience dates  
(mm/yy-mm/yy)

Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).

Mr. Ibarra joined Volkert's Baton Rouge office in July 2018 and graduated from LSU in December 2018. He took his fundamentals exam in October 2018. Since joining Volkert his experience has included roadway and bridge infrastructure design assistance. He has lived in Central and South America for approximately 19 years and fluently communicate verbally and written in both Spanish and English.

01/22 - 01/23

**Reconstruction of Chalmette Slip Design for the St. Bernard Port Harbor & Terminal District.** Mr. Ibarra is serving as engineering support assisting with the design of the super and substructures. Volkert was selected as Design Engineer and during the early design report development it became clear that the owner had more scope than available dollars. With TIGER Grant funding all funds need to be utilized and it was unfeasible to combine traditional bid alternatives to achieve this. Volkert requested that the project be considered for CMAR procurement and the owner agreed. 15% Design documents and alternatives were provided for the CMAR contractor procurement. Boh Bros. was selected as the CMAR contractor and the pilot piling package for a test pile is under negotiation and design at 60%. Construction should begin in mid-2020. Volkert is responsible for design, partnering, independent cost estimating and working with the contractor for Value Engineering.

02/20 - 08/24 (est.)

**LA 23: Belle Chasse Bridge and Tunnel (HBI) Improvements.** Mr. Ibarra is serving as part of the QA/QC contract compliance team performing internal QA design audits for the Belle Chasse Bridge and Tunnel Improvements. Volkert will be responsible for providing all Engineering Design and Construction Support services including implementation of the Construction Quality Assurance Plan for the Belle Chasse Bridge & Tunnel Public Private Partnership (P3) Project which provides for the replacement of the Belle Chasse Tunnel and Judge Perez Lift Bridge with a new toll bridge. This includes the development of construction plans, bridge replacement plans, decommissioning of the Tunnel and development of OGM plans. As the OVT, Volkert will provide guidance and support to the LADOTD Project Manager prior to and during reviews, develop review comments, attend project meetings, ensure that the P3 adheres to their contract, and address other assignments as directed.

01/20 - 01/21

**Roundabout at Highway 929 and Highway 930 in Prairieville, LA for Ascension Parish.** Mr. Ibarra served as Project Intern for the Move Ascension program Volkert was assigned a task order to develop plans for a Roundabout Highway 929 and Highway 930, Prairieville, LA. The roundabout will replace the existing stop-controlled intersection and consists of a single lane asphalt roundabout. The roundabout will be designed through SIDRA, AASHTO, and Louisiana DOTD standards.

Firm employed by: Volkert, Inc.	
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).
07/19 – 12/19	<b>Formosa Heavyhaul Bridge Coastal Bridge Co., LLC, Statewide, Louisiana.</b> Mr. Ibarra served as Project Intern for this project. Volkert is the prime consultant for this design-build project that involves the design of a continuous span bridge that is to hold extremely heavy loads crossing multiple lines of railroad tracks. It is a unique design that involved special design considerations for the bridge, retaining walls, crash walls, and the drainage design. It included a drainage design that incorporated trench drains to withhold extra heavy-duty loads.
05/18 – 05/19	<b>Plank Road, East Baton Rouge Parish, LA, Baton Rouge Metropolitan Airport.</b> Mr. Ibarra served as Project Intern for this is project to relocate Plank Road along a new alignment. The project includes ROW acquisition and all the design for a new 4 lane highway with J-turns. It also includes ROW acquisition and all the design for additional lanes along Harding and Hooper Road. It also includes a new lighting system and new signalized intersection. Volkert is providing design, environmental permitting, and ROW acquisition for the relocation of Plank Road on a new alignment. This project is an Airport project, funded by FAA, but the road will be transferred to LA DOTD. Volkert is also providing coordination between sub-consultants, the airport, FAA, and LA DOTD.
01/18 – 09/20	<b>Causeway Shoulder Bay Design, Jefferson and St. Tammany Parishes, LA (Greater New Orleans Expressway Commission).</b> Mr. Ibarra served as Project Intern and provided quantity takeoffs during various stages of design. Volkert was selected to design essential and long-awaited shoulder additions. The bridge shoulders will provide a safe space for disabled vehicles to pull over out of traffic. They will also increase safety for motorists and emergency personnel in the event of a crash. This project was executed using the CMAR alternative delivery method, a first for the State of Louisiana.

Firm employed by: Volkert, Inc.

**Parker Scheuermann, EI**

*Project Engineer Intern*

Years of relevant experience with this employer

2

Years of relevant experience with other employer(s)

0

Degree(s) / Years / Specialization

BS | 2020 | Civil Engineering

Year registered

2020

Active registration number / state / expiration date

34581 | LA | 3/31/2025

Discipline

Civil



Contract role(s) / brief description of responsibilities:

Mr. Scheuermann will provide Engineering Intern services for the duration of this contract.

Experience dates  
(mm/yy-mm/yy)

Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).

Mr. Scheuermann joined Volkert 2020 after earning his degree in Civil Engineering. He provides civil engineering support on a variety of projects.

10/21 - 3/23 (est.)

**Crooked Creek, ARDOT.** Mr. Scheuermann designed the alignment, road geometry, typical sections, profile, and cross sections using Inroads v8i. Assisted in the plan preparation.

3/21 - 6/22

**Filmore D Mithra St. (New Orleans DPW).** Mr. Scheuermann designed the road geometry and profile and created the cross sections using Civil3D. He determined the location of inlets and tested the entire drainage system using HYDRWIN 2009 and imputed the inlet and pipe locations in the plan & profile. Also, Mr. Scheuermann created the permanent striping plans as well as the proposed joint layout.

01/20 - 01/21

**Roundabout at Highway 929 and Highway 930 in Prairieville, LA for Ascension Parish.** Mr. Scheuermann served as Project Intern filling out bid packages for the Move Ascension program Volkert was assigned a task order to develop plans for a Roundabout Highway 929 and Highway 930, Prairieville, LA. The roundabout will replace the existing stop-controlled intersection and consists of a single lane asphalt roundabout. The roundabout will be designed through SIDRA, AASHTO, and Louisiana DOTD standards.

09/19 - 07/20

**I-10: Highland Road to LA 73 Design-Build, East Baton Rouge and Ascension Parishes, LA (DOTD).** Mr. Scheuermann assisted in the Document Control for the Owner Verification Team (OVT) on Task Orders 3 & 4 which allows Volkert to provide procurement and project oversight and acceptance for both design and construction for the I-10 Design-Build project from Highland Road in East Baton Rouge Parish to LA 73 in Ascension Parish for the Design and Construction on this \$72M Design-Build project. This project consists of upgrading a portion of I-10 in East Baton Rouge and Ascension Parish to a six-lane controlled access facility including construction of a new six-lane I-10 overpass at Highland Road. | State Contract No. 4400004915 TO 3 & 4, S.P. No. H.009250.

Firm employed by: Volkert, Inc.	
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).
08/19 – 08/20	<b>MacArthur Interchange Completion, Phase II in Jefferson Parish, Louisiana for the Louisiana Department of Transportation and Development (DOTD), c/o SDR Engineering Consultants, Inc.</b> Mr. Scheuermann assisted in the design for the permanent signing and pavement markings. The project included widening for Peters Road and South Frontage Road from Peters Road to Manhattan Boulevard. It also included the design of a proposed on-ramp and off-ramp to the Westbank Expressway. The design of signage included South Frontage Road, Peters Road, and the elevated ramps including all Westbank Expressway structures affected by the proposed ramp modifications. The signage and pavement markings were designed using the latest edition of the MUTCD and the DOTD Roadway Design Manual.
05/18 – 05/19	<b>Plank Road, East Baton Rouge Parish, LA, Baton Rouge Metropolitan Airport.</b> Mr. Scheuermann served as Project Intern making weekly visits for this is project to relocate Plank Road along a new alignment. The project includes ROW acquisition and all the design for a new 4 lane highway with J-turns. It also includes ROW acquisition and all the design for additional lanes along Harding and Hooper Road. It also includes a new lighting system and new signalized intersection. Volkert is providing design, environmental permitting, and ROW acquisition for the relocation of Plank Road on a new alignment. This project is an Airport project, funded by FAA, but the road will be transferred to DOTD. Volkert is also providing coordination between sub-consultants, the airport, FAA, and DOTD.
06/17 – 06/18	<b>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 (DOTD), c/o GEC, Inc.</b> Mr. Scheuermann helped with redesign of Diversion Sequence of Construction sheets for this project. This project involved the design of a new subsurface drainage system. It has approximately six major crossings that outfall into Canal No. 3, which parallels the interstate in this area. These drainage systems not only serve as the roadway drainage, but they also drain large segments of residential areas of Jefferson Parish that are located to the north of I-10. This approach required careful coordination with Jefferson Parish and the DOTD to ensure that all water elevations and drainage assumptions used were accurate and that the completed design met all required design criteria.

Firm employed by: Volkert, Inc.

**Jeffrey Aycock, EI**

Project Engineer Intern

Years of relevant experience with this employer

1

Years of relevant experience with other employer(s)

0

Degree(s) / Years / Specialization

BS | 2021 | Civil Engineering

Year registered

2022

Active registration number / state / expiration date

35137 | LA | 9/30/2024

Discipline

Civil



Contract role(s) / brief description of responsibilities:

Mr. Aycock will provide Engineering Intern services for the duration of this contract.

Experience dates  
(mm/yy-mm/yy)

Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).

Mr. Aycock has practiced in the field of Civil Engineering since March of 2022. In that time Mr. Aycock has gained experience in planning, surveying, design, and bidding of various projects. He has helped with utility gas line installations, road rehabilitation, residential developments, and surveying on various projects. Mr. Aycock has experience with AutoCAD, Microstation V8i, as well as other computer aided design software. His previous project experience includes preliminary cost estimation of roadway rehabilitation, surveying for utility installation, and preparing preliminary drawings. Mr. Aycock joined Volkert in March of 2022. His responsibilities include cost estimating, project design, and assisting with any tasks necessary to the completion of a project. Mr. Aycock’s training includes:

- ▼ American Traffic Safety Services Association Certified Flagger
- ▼ American Traffic Safety Services Association Traffic Control Technician
- ▼ American Traffic Safety Services Association Traffic Control Supervisor

12/22 - Ongoing

**Kansas Lane Extension - Phase 2.** Mr. Aycock served as an engineering intern on the design of the extension of Kansas Lane in Monroe, LA. This project involved the extension of Kansas Lane north across Bayou Desiard and proceeding northwest where it intersects Old Sterlington Road before terminating at the intersection of Forsythe Bypass and Hwy-165. Mr. Aycock aided in the preparation of plans for bidding by putting together estimates of quantities and costs as well as performing hand checks and making corrections.

09/22 - 09/22

**ATMOS - Natchitoches ADA Sidewalk.** Mr. Aycock served as an engineering intern on the rehabilitation of a section of sidewalk at the corner of Third and Lafayette St. in Natchitoches, LA. Mr. Aycock designed, detailed, and drew the plans to be submitted for approval.

06/22 - 06/22

**ATMOS - Desiard Street Bridge.** Mr. Aycock served as an engineering intern on the installation of a new gas line running parallel to a section of Desiard St. in Monroe, LA. Mr. Aycock aided in forming a bore plan for the gas line to pass under West Prong Youngs Bayou that runs perpendicular to Desiard St.

06/22 - Ongoing

**Madison Parish Port Entrance Road.** Mr. Aycock served as an engineering intern on the rehabilitation of the Madison Port Entrance Road. Mr. Aycock put together and checked a cost estimate based on proposed plans.

Firm employed by: Volkert, Inc.	
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).
12/21 - Ongoing	<b>City of Bastrop - Street Improvements.</b> Resurfacing and Rebuilding of segments of Parkhurst Avenue, Colliers Lane, West Hickory Avenue, Briscoe Avenue, and Henry Avenue along with the incidental sewer systems.
11/21 - 01/22	<b>Monroe Kansas Lane Connector Phase 1.</b> Mr. Aycock served as an engineering intern on the design of the extension of Kansas Lane in Monroe, LA. This project involved the extension of Kansas Lane north across Bayou Desiard and proceeding northwest where it intersects Old Sterlington Road before terminating at the intersection of Forsythe Bypass and Hwy-165. Mr. Aycock aided in the preparation of plans for bidding.
08/21 - 09/21	<b>DOTD - IDIQ Contract Dam Inspection &amp; Engineering – Phase II.</b> IDIQ Contract for Engineering and Inspection Services of State Regulated Dams Majority of Work in Districts 04, 05, 08 and 58. Work included Inspection and topographic surveying on DOTD owned or regulated dams.
01/21 - Ongoing	<b>Bossier Parish Police Jury - Disaster Relief Road Repair.</b> Mr. Aycock worked directly with the Project Engineer to prepare preliminary and final drawings including plan and profile sheets, typical sections, using Microstation V8i. Prepared Preliminary & Final Cost Estimates.



Firm employed by: Volkert, Inc.

**Jeffree Chapa**  
Graduate Engineer

Years of relevant experience with this employer <1

Years of relevant experience with other employer(s) <1

Degree(s) / Years / Specialization BS | 2023 | Civil Engineering

Year registered 2022

Active registration number / state / expiration date waiting | LA EI | 9/30/2024

Discipline Civil



Contract role(s) / brief description of responsibilities:  
Mr. Chapa will provide graduate engineer services for the duration of this contract.

**Experience dates (mm/yy-mm/yy)** Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).

Mr. Chapa has recently joined Volkert and is awaiting his LA EI # from LAPELS.

08/24 - Ongoing	<b>City of Bastrop - Drainage Improvements at Highland Avenue and Country Club Road</b> - Assisted in design of drainage.
05/23 - Ongoing	<b>City of Monroe - Bayou Bartholomew Pump Station Replacements</b> - Assisted in engineering design and produced cost estimates.
05/23 - Ongoing	<b>Bossier Parish Police Jury - Sewer Manhole Rehabilitation along Hwy. 80</b> - Assisted in engineering design and produced cost estimate.
03/23 - Ongoing	<b>Union General Hospital - Boundary &amp; Topographic Survey and Engineering</b> - Assisted in the engineering design, produced cost estimates.
12/22 - Ongoing	<b>Monroe Kansas Lane Connector Phase 1.</b> Mr. Aycock served as an engineering intern on the design of the extension of Kansas Lane in Monroe, LA. This project involved the extension of Kansas Lane north across Bayou Desiard and proceeding northwest where it intersects Old Sterlington Road before terminating at the intersection of Forsythe Bypass and Hwy-165. Mr. Aycock aided in the preparation of plans for bidding.
09/22 - 09/22	<b>ATMOS - Natchitoches ADA Sidewalk.</b> Mr. Aycock served as an engineering intern on the rehabilitation of a section of sidewalk at the corner of Third and Lafayette St. in Natchitoches, LA. Mr. Aycock designed, detailed, and drew the plans to be submitted for approval.
06/22 - 06/22	<b>ATMOS - Desiard Street Bridge.</b> Mr. Aycock served as an engineering intern on the installation of a new gas line running parallel to a section of Desiard St. in Monroe, LA. Mr. Aycock aided in forming a bore plan for the gas line to pass under West Prong Youngs Bayou that runs perpendicular to Desiard St.
07/20 - Ongoing	<b>Wastewater Collection System Expansion, North Sewer System Improvements - Contract “B”</b> - Assisted in the engineering design and produced cost estimates

Firm employed by: EJS, Inc.

**Tanita Gilbert-Baker, PE, MBA**

Civil Engineer

Years of relevant experience with this employer

14

Years of relevant experience with other employer(s)

13

Degree(s) / Years / Specialization

MBA | 2007 | Business Administration  
BS | 1994 | Civil Engineering

Year registered

2001

Active registration number / state / expiration date

29350 | LA | 3/31/2025

Discipline

Civil

Contract role(s) / brief description of responsibilities:

Ms. Gilbert-Baker serve as Roadway Design Engineer for the duration of this project. Ms. Baker fulfills Minimum Personnel Requirement #6.

Experience dates  
(mm/yy-mm/yy)

Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).

Ms. Gilbert-Baker' currently serves as President of EJS, and her experience in project planning and design began in 1994. She has extensive experience in the design and management of transportation projects. She has designed/managed over 50 miles of roadway/highway improvements with various cross sectional elements, including rural two-lane asphalt roads with roadside ditches; urban five-lane concrete arterials streets with center turn lane/median, signalized intersections, subsurface drainage, and ADA compliant sidewalks; historic two-lane brick streets with parking; four-lane interstate highways with underpasses, overpasses, and interchanges; and six-lane interstates requiring complete construction signing and sequencing. She has managed over 20 off-system, on-system, and highway bridge projects including precast, box culvert, slab span and concrete-girder designs. She has utilized state and federal software to analyze and oversee the analysis of stream crossings, inlet spacing, and subsurface drainage systems. She has participated in multiple highway planning and environmental studies, developing horizontal and vertical alignments within corridors with very restrictive right-of-way or sensitive topographical features requiring close coordination with state/federal highway officials as well as residents of the impacted community.

06/14 - 02/15

**I-20 and Garrett Road Drainage, Monroe, LA.** Senior Project Manager: Provided subsurface design and hydraulic analysis for a frontage road along I-20 at Garrett Road in Monroe, LA. The 2-lane asphalt frontage road was approximately 4,000 ft. in length and included concrete curb and gutter. The drainage design was performed according to DOTD standards, and the hydraulic analysis was performed utilizing the DOTD hydraulic software programs.

03/09 - 06/10

**I 49 Inner City Connector, Caddo Parish, LA, Providence Engineering.** Project Manager/Engineer performed engineering services for preparation of comprehensive Stage 0 and Environmental Study for the 3.8 mile I-49 Inner City Connector corridor through Shreveport. The project identified alternative routes to connect the existing I-49/I-20 interchange to the proposed I-49/I-220 interchange. Responsibilities included development of the design criteria, typical sections, analysis of horizontal and vertical alignment alternative, right of way requirements, and opinion of probable costs in accordance with all DOTD/AASHTO Manuals, and participation in public meetings.

02/09 - 11/10

**Desoto Parish Road Rehab, Desoto Parish, LA.** Project Manager: Developed a roadway rehabilitation plan to improve substandard paving at various locations throughout the Parish network. Desoto Parish's initial plan was to rehabilitate 32 miles of substandard roadway at various locations throughout their system. A massive amount of oil and gas activities were underway at the time of the project, and the heavy drilling equipment and associated material trucks were causing a considerable amount of unforeseen roadway failures. Initial rehabilitation concepts varied from mill/overlay plans to complete reconstruction. In addition, the Parish was interested in widening the existing pavement to meet current traffic capacity demands. The original construction budget allocated for this project was \$14.6 million. EJS was tasked with developing an improvement plan that would meet the Parish's goals where feasible while making the best possible use of the allocated construction budget.

Prime consultant name: Volkert, Inc.

**VOLKERT**

Firm employed by: EJES, Inc.

Experience dates  
(mm/yy-mm/yy)

Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).

01/06 – 07/12

**Bellevue Road, Bossier Parish, LA.** Project Manager/Engineer: Provided development of construction plans and specifications for improvements to Bellevue Road. Proposed improvements consisted of widening 2.5 miles of existing 2-lane asphalt roadway with roadside ditches to three lane asphalt roadway (two travel lanes, with center turn lane). Approximately 1.75 miles of the project was designed with curb and gutter and subsurface drainage to minimize right-of-way requirements. The remaining 0.75 miles was designed with roadside ditches. Hydraulic analysis of existing, proposed, and off-site drainage, coordination of the railroad crossing, and realignment of side roads for improved sight distance were required. Project also required preparation of clearing/grubbing plans and specifications for clearing of the existing and required right-of-way. Services also included construction administration.

01/03 – 09/14

**Hamilton Road, Bossier City, LA.** Project Manager/Engineer: For a local urban systems project to provide a complete EA in accordance with NEPA and Roadway Design for the widening of the existing two-lane road to four lanes with 10 ft. median, subsurface drainage, and sidewalks. Project also required widening the existing underpass of KCS Railroad and design an overpass of the Union Pacific Railroad. The Hamilton Road corridor is approximately 2-miles of existing roadway and approximately 0.25-miles of proposed new alignment roadway. Responsible for the roadway horizontal/vertical design and coordination between the City of Bossier City, DOTD, and KCS Railroad and Union Pacific Railroad companies.

01/01 – 02/10

**I 49 North (LA 1 – LA 173), Caddo Parish, LA.** Project Manager/Engineer: Performed engineering services for preparation of preliminary and final roadway plans for an extension of I-49 North. The project extended 5.5 miles beginning at Junction LA 1 and ending at Junction LA 173 north of Shreveport, LA. Responsibilities included project management, hydraulic analysis of Twelve Mile Bayou, Doe Slough Canal, and levee crossings, design of horizontal and vertical alignments for I-49 and crossing roadways, and roadway ramp design at I-49/LA 1 and I-49/LA 173. Initial project scope included only preliminary design, which was completed in 2003. Preparation of final design began in 2009 and was completed in 2010.

01/01 – 12/04

**LA 3132, Inner Loop Extension (Industrial Loop – LA 523), Shreveport, LA.** Project Manager/Engineer: For engineering services for the LA 3132 Inner Loop Extension (Industrial Loop LA 526 – LA 523) The project extended 1.44 miles in a southeasterly direction beginning west of the intersection of LA 3132 and the Industrial Loop LA 526 and ending at the proposed intersection with LA 523 (Flournoy-Lucas Road). Project included design of bridge over Bert Kouns Industrial Loop. Services included preparation of NEPA Environmental Assessment, preliminary/final roadway, bridge plans and right-of-way maps. The project required coordination with the realignment and widening project for LA 523 that was designed by others. Responsible for drainage design and geometric design of roadway, ramps and access roads. Also, designed tie-ins to the existing Inner Loop as well as ramp ties to LA 523. Also responsible for coordination of the bridge layout and profile based on previous EA studies.

Firm employed by: EJES, Inc.

**Shirley Wilson, EI**

Engineer Intern

Years of relevant experience with this employer

14

Years of relevant experience with other employer(s)

2

Degree(s) / Years / Specialization

BS | 2003 | Civil Engineering

Year registered

2005

Active registration number / state / expiration date

27786 | LA | 3/31/2024

Discipline

Civil

Contract role(s) / brief description of responsibilities:

Ms. Wilson will provide Engineering Intern services for the duration of this contract.

Experience dates  
(mm/yy-mm/yy)

Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).

Ms. Wilson has over 16 years of experience in multi-disciplinary Civil Engineering projects. She has experience in roadway design, street rehabilitation, the evaluation of storm and sanitary sewer lines for rehabilitation, design of wastewater treatment plants, water plant improvements, and airport improvement projects. She is responsible for the hydraulic designs in various roadway projects, along with the design of runway, taxiways and access roads

06/14 - 02/15

**I-20 and Garrett Road Drainage, Monroe, LA.** Civil Designer: Provided subsurface design and hydraulic analysis for a frontage road along I-20 at Garrett Road in Monroe, LA. The 2-lane asphalt frontage road was approximately 4,000 ft. in length and included concrete curb and gutter. The drainage design was performed according to DOTD standards, and the hydraulic analysis was performed utilizing the DOTD hydraulic software programs.

02/09 - 11/10

**Desoto Parish Road Rehab, Desoto Parish, LA.** Civil Designer: Provided professional engineering services for the rehabilitation of the existing roadway, including milling/pulverization of existing road, base treatment, base widening, asphaltic concrete overlay, along the installation of signs/pavement markings, spot replacement of damaged drainage structures, grading of existing ditches and application of hydro seeding. Ms. Wilson had a major role in the hydraulic design analysis and the traffic signage.

05/09 - 05/11

**Cotton Street Bridge - Alexandria, LA.** Civil Designer: Provided the initial subsurface drainage and ditch grading design. This project involved the designing of a bridge over a bayou to connect Cotton Street on the north to two one-way streets on the south end.

01/06 - 07/12

**Bellevue Road, Bossier Parish, LA.** Civil Designer: Provided development of construction plans and specifications for improvements to Bellevue Road. Proposed improvements consisted of widening 2.5 miles of existing 2-lane asphalt roadway with roadside ditches to three lane asphalt roadway (two travel lanes, with center turn lane). Approximately 1.75 miles of the project was designed with curb and gutter and subsurface drainage to minimize right-of-way requirements. The remaining 0.75 miles was designed with roadside ditches. Hydraulic analysis of existing, proposed, and off-site drainage, coordination of the railroad crossing, and realignment of side roads for improved sight distance were required. Project also required preparation of clearing/grubbing plans and specifications for clearing of the existing and required right-of-way. Services also included construction administration.

Firm employed by: EJES, Inc.

**Bryan K. Joseph, EI**

Engineer Intern

Years of relevant experience with this employer

2

Years of relevant experience with other employer(s)

19

Degree(s) / Years / Specialization

BS | 2001 | Mechanical Engineering

Year registered

2003

Active registration number / state / expiration date

20836 | LA | 09/30/2023

Discipline

Civil

Contract role(s) / brief description of responsibilities:

Mr. Joseph will provide Engineering Intern services for the duration of this contract.

Experience dates  
(mm/yy-mm/yy)

Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).

Mr. Joseph has over 20 years of professional engineering experience. Possess hands-on experience dealing with project management, developing and adhering to project schedule (critical path), and meeting or exceeding promised/projected client expectations. He has managed projects ranging from a \$50,000 preliminary evaluation project to a multi-million-dollar design/built job. Mr. Joseph’s responsibilities include providing project management and supervision of both design and construction projects, performing quality assurance/quality control reviews, design subsurface drainage systems, and preparing roadway and drainage plans for inclusion in surface transportation system construction projects.

01/23 - Ongoing

**Plank Road Phase 2, Baton Rouge, LA** | Civil Designer. Providing design for new roadway alignment for airport runway extension and rerouting to Harding Blvd that includes elevated roadway, overpasses, intersection, traffic signalization and ROW acquisition.

06/21 - 12/21

**Ave D Drainage Improvements (Allo Street: Between 6th St. and 4th St.), Jefferson Parish, LA** | Construction Admin/PM: SWFCP Drainage Improvement Phase 8, Marrero, LA Construction/Administration services for last task/project. Complete utility replacements and full depth roadway resurfacing. In addition, involved installation of 48” equivalent diameter RCPA.

06/20 - 12/20

**Ave D Drainage Improvements (Ave. C: Between 6th St. and 4th St.), Jefferson Parish, LA** | Construction Admin/PM: SWFCP Drainage Improvement Phase 8, Marrero, LA Construction/Administration services for last task/project. Complete utility replacements and full depth roadway resurfacing. In addition, involved installation of 48” equivalent diameter RCPA.

02/17 - 08/17

**Ave D Drainage Improvements (Ave C, Ave A, Gaudet: Between 6th St. and 8th St.), Jefferson Parish, LA** | Construction Admin/PM: SWFCP Drainage Improvement Phase 6, Marrero, LA Construction/Administration services for last task/project. Combined Project budget was over \$1.5M and involved complete utility replacements and full depth roadway resurfacing. In addition, involved installation of 64” to 72” equivalent diameter RCPA. Continuation of work accomplished previous summer, due to proximity with a school.

02/17 - 08/17

**Statewide Flood Control Program (SWFCP) University City & Audubon Place Drainage Improvement, Kenner, LA** | Hydraulic Modeler/Construction Admin/PM: SWFCP University City Drainage Improvement, Kenner, LA Construction/Administration services for last task/project. Involved Hydraulic modeling utilizing HYDROWIN stormwater drainage modeling software to aid in grant application completion and BCA determination.

Firm employed by: EJES, Inc.

**Nicholas LaValla, EI**

Engineer Intern

Years of relevant experience with this employer

2

Years of relevant experience with other employer(s)

2

Degree(s) / Years / Specialization

BS | 2020 | Civil and Environmental Engineering

Year registered

2021

Active registration number / state / expiration date

34919 | LA | 03/31/2024

Discipline

Civil

Contract role(s) / brief description of responsibilities:

Mr. LaValla will provide Engineering Intern services for the duration of this contract.

Experience dates  
(mm/yy-mm/yy)

Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).

Mr. LaValla has 2 years of professional engineering experience providing planning, schematic development, and construction plans for roadways, bridges, water, and storm drainage systems. Services include drainage calculations, reports, cost estimates, bid phase services, construction administration, resident engineering, QA/QC, utility correspondence, field investigations and Civil 3D.

06/23 - Ongoing

**Plank Road Phase 2, Baton Rouge, LA** | Civil Designer. Providing design for new roadway alignment for airport runway extension and rerouting to Harding Blvd that includes elevated roadway, overpasses, intersection, traffic signalization and ROW acquisition.

06/22 - Ongoing

**Gentilly Woods (RR061) Road Improvements Project, City of New Orleans, LA** | Civil Designer. Responsible for any project related tasks, such as attending meetings, providing comment resolution sheet, applying for permits, etc. as well as coordinating with the client, contractor, and RI throughout the project. Project consists of approximately 5.5 miles of mixed roadway rehabilitation (full depth and overlay), utility, and accompanying sidewalk & driveway replacement. Work encompassed approximately .375 square miles of residential area. Provided full A/E services (Design, Bidding, Construction Administration, Closeout).

02/22 - Ongoing

**Lakeshore Group B (RR079) Road Improvements Project (City of New Orleans, LA** | Civil Designer. Provided A/E design, bidding, construction administration, and closeout service for approximately 1.0 miles of mixed roadway rehabilitation (full depth and overlay), utility (water/drain/sewer), and accompanying sidewalk & driveway replacement.

08/21 - 10/22

**Lake Vista (RR074) Road Improvements Project, City of New Orleans, LA** | Civil Designer. Responsible for any construction admin throughout the project such as RFI's, site visits, pre-pour inspections, preparing plan change documents, quantity tracking, invoice/pay application review, reviewing material testing reports, facilitating progress meetings. Project consists of approximately 1.0 miles of mixed roadway rehabilitation (full depth and overlay), utility (water/drain/sewer), and accompanying sidewalk & driveway replacement. Provided full A/E services (Design, Bidding, Construction Administration, Closeout).

08/21 - 10/22

**Ames Blvd Rehabilitation (LaPalco Blvd to Happy St.), Jefferson Parish, LA** | Civil Designer. Provided A/E design, bidding, construction administration, and closeout service for the replacement of approximately .9 miles of roadway (concrete panel), with accompanying sidewalk & driveway.

# GEOTECHNICAL

Lynne Roussel McMillan, PE | *MPR #7*  
 Albert Ayenu-Prah, Jr., PhD, PE | *MPR #7*  
 Ryan Poindexter, PE  
 Matt Milton  
 Brian Alexander



Scale: 1" = 500'

STAGE 0

<b>PRELIMINARY</b> FOR REVIEW ONLY	<b>NEEL-SCHAFFER, INC.</b> ENGINEER: DISHLLI S. YOUNG LICENSE #: 33723 DATE: 11/29/2021
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**LEGEND**

ROADWAY IMPROVEMENTS	WELLS*
APPARENT R/W	OIL/GAS WELLS*
REQ'D R/W	WATERWAY*
REMOVALS	FRESHWATER POND*
STOP CONTROL	* SOURCE: EDR GIS FILES

DESOTO  
 PARISH  
 SECTION  
 B16-11

CONCEPT LAYOUT  
 ALTERNATE 2

ROUTE 2\_H\_014056\_1\_1.dgn

Firm employed by: Terracon Consultants, Inc.

**Lynne E. Roussel McMillen, PE**

*Geotechnical Engineer*

Years of relevant experience with this employer

18

Years of relevant experience with other employer(s)

0

Degree(s) / Years / Specialization

MS | 2005 | Geotechnical Engineering  
BS | 2003 | Civil Engineering

Year registered

2009

Active registration number / state / expiration date

35152 | LA | 3/31/2024

Discipline

N/A



Contract role(s) / brief description of responsibilities:

Ms. McMillen meets the criteria for MPR # 7 with more than 10 years of experience in geotechnical design involving Louisiana soils and bridge structures.

Experience dates  
(mm/yy-mm/yy)

Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).

Lynne has managed geotechnical projects in Louisiana for 18 years. She has also managed several Geotechnical ID/IQ contracts for DOTD. She has performed engineering analyses using in-house computer resources and commercial software for settlement analysis, deep foundations analysis, pavement design, slope stability analysis, and lateral loading of deep foundations. She also performed analyses for the USACE for limiting pressure analyses for Horizontal Directional Drilling (HDD) projects, seepage analyses, and Method of Planes slope stability. Her software experience includes PCSTABL6, GEOSLOPE, LPILE, DRIVEN, SHAFT, Shoring Suite, and APILE.

07/21 - 12/21

**H.003931 I-10 Lake Charles, Lake Charles, LA, DOTD.** Project Reviewer. Performed quality review on engineering analyses and reporting.

12/20 - Ongoing

**IDIQ Contracts for Professional Geotechnical Services Statewide Contract No. 4400019014.** Contract Manager and Project Reviewer. Managed the retainer contract for services to perform geotechnical exploration and engineering. The contract value is \$2.5 Million.

05/18 - 02/22

**H.011235.5: I-49 South @ Verot School Road US 90, Lafayette, LA, DOTD.** Project Manager. Oversaw design of the substructure of two bridges and global stability and settlement for several MSE walls to be constructed as part of this design build project. Terracon developed nominal capacity and resistance factors for pile foundations for the bridge substructures and developed driving criteria using WEAP analysis for the proposed pile driving equipment.

05/18 - 11/20

**H.005967: Nelson Road Extension and Bridge, Lake Charles, LA, DOTD.** Project Manager. Managed the subsurface evaluation and geotechnical engineering design for the Nelson Road Extension and Bridge Project. Terracon completed the subsurface exploration including water borings in Contraband Bayou and provided 90% design of the substructure for the bridge over Contraband Bayou. Terracon performed settlement analysis for the planned embankment approaches. The scope also included design support for impact dolphins to be constructed in front of the bridge in the Bayou to protect the bridge superstructure from impact of possible runaway ocean-going ships from the nearby Port of Lake Charles facility.

07/16 - 07/21

**Louisiana Department of Transportation Geotechnical Retainer Contract No. 4400006191, LA, DOTD.** Contract Manager and Project Reviewer. Managed the retainer contract for services to perform geotechnical exploration and engineering. The contract value is \$4 Million.

Prime consultant name: **Volkert, Inc.**

**VOLKERT**



Firm employed by: Terracon Consultants, Inc.	
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).
06/19 - 03/20	<b>H.000133 US 80 Overpass at KCS RR, Simsboro, LA.</b> Project Manager. Managed the subsurface evaluation and lab testing. All testing was performed in accordance with DOTD sampling and guidelines.
07/18 - 12/18	<b>H.009481 LA 20 Bayou Chevreuil Bridge, St. James Parish, LA, DOTD.</b> Project Manager in the subsurface evaluation and lab testing.
10/16 - 01/18	<b>H.002238 Robinson Canal Bridge, Terrebonne Parish, LA, DOTD.</b> Project Manager. Provided geotechnical engineering services for the project that included field exploration, laboratory testing and geotechnical engineering for the bridge. Pile capacities were developed for the bridge bents.
01/12 - 01/13	<b>H.009187.5 - 23rd Street Bridge over Canal No. 17, Jefferson Parish, LA, DOTD.</b> Project Engineer. Provided geotechnical engineering for the subsurface evaluation and engineering design of this DOTD Off System Bridge project. The bridge at 23rd Street over Canal No. 17 was replaced. DOTD boring logs and LRFD Pile Calculations were provided to the design engineer.
11/10 - 08/12	<b>LA-1 to I-10 Connector 30% Design - Port Allen, LA, Volkert/DOTD.</b> Supervising Geotechnical Engineer. Supervised 30% design plans for a proposed new connector between I-10 and LA-1 in West Baton Rouge Parish. The extension included two bridges and two miles of new roadway. Bridges over an existing railroad and the Intracoastal Canal were included. An evaluation of a possible retained earth embankment was included.
01/10 - 03/12	<b>H.0051.21 - LA-1 to I-10 Connector, Port Allen, LA, DOTD.</b> Project Manager. Managed the design of a new connector between LA 1 and I-10 near the Intracoastal Canal in West Baton Rouge Parish, Louisiana. The project consisted of a bridge over the Intracoastal Canal, a flyover connector to LA 1 and associated roadway. Soil borings and Cone Penetrometer Test (CPT) probes associated with the bridges and roadway were completed. All calculations were consistent with DOTD pavement design standards. Settlement analysis was performed for the approach embankments. Pile capacities were also provided for the elevated structure.
09/08 - 11/08	<b>Interstate 12 Widening - East Baton Rouge and Livingston Parishes, LA.</b> Project Manager. Managed the interstate highway improvement. Terracon performed drilling and laboratory activities for the project. The project consisted of the widening of Interstate 12 to six lanes from O’Neal Lane eastward in both East Baton Rouge and Livingston Parishes. The project needed to be performed under a compressed time schedule of 30 days for DOTD to release a Design-Build procurement package. She worked with the Terracon team to make sure the schedule was met by using multiple drill rigs to complete the field work. The work completed by Terracon has received high marks from the design-build team.
12/05- 07/12	<b>Louisiana DOTD Off-System Bridge Program - Statewide in LA.</b> Project Manager. Managed multiple off-system bridge projects. Terracon provided geotechnical drilling, laboratory testing, and engineering support for several bridges designated for replacement under the Louisiana Department of Transportation and Development Off-System Bridge Program. For each bridge, Terracon served as a sub-consultant for a civil engineering firm selected by Louisiana DOTD to design the new bridge. In each case, the project civil engineer provided all additional engineering and land surveying required to perform topographic surveys and hydraulic studies and prepared the preliminary and final roadway and bridge plans. Terracon completed geotechnical investigations for bridges throughout Louisiana and in a variety of geologic settings.

Firm employed by: Terracon Consultants, Inc.

**Albert Ayenu-Prah, Jr., PhD, PE**

*Geotechnical Engineer*

Years of relevant experience with this employer

<1

Years of relevant experience with other employer(s)

15

Degree(s) / Years / Specialization

PhD | 2007 | Civil Engineering  
MS | 2004 | Civil Engineering  
BS | 2001 | Civil Engineering

Year registered

2012

Active registration number / state / expiration date

37402 | LA | 3/31/2025

Discipline

Civil



Contract role(s) / brief description of responsibilities:

Mr. Ayenu-Prah meets the criteria for MPR #7 and will provide Geotechnical Engineering services for the duration of this contract.

Experience dates  
(mm/yy-mm/yy)

Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).

Albert is an experienced Senior Engineer with 15 years of experience working with Louisiana soils and expertise in pavement and geotechnical engineering. He specializes in rigid and flexible pavement systems, including design methods, asphalt and concrete materials, pavement construction, pavement management systems, drainage design, pavement quality, GPR, and FWD. He has worked on diverse projects involving highways, airports, industrial, and heavy-duty pavements. Additionally, he has extensive knowledge in geotechnical engineering, including foundations, embankments, slope stability, and construction-related aspects. He has taken on leadership roles in various projects related to pavement and geotechnical engineering.

07/21 – 07/23

*Performed with previous employer*

**H.004100.5: I-10: LA 415 to Essen Lane on I-10 and I-12 (CMAR), Baton Rouge Parish, LA. Huval and Associates.** Project Engineer. Led technical reviews pertaining to the selection of design reaches, geotechnical design of deep foundations earth retaining structures, slope stability, soil-structure interaction with existing structures, and load testing recommendations. A Construction Management At Risk (CMAR) project, this project spanned approximately 2.5 miles and involved the widening of the east and west-bound lanes, elevated structures, interchanges, and ramps along I-10 from LA 415 in West Baton Rouge Parish to Essen Lane on I-10 and I-12 in East Baton Rouge Parish.

04/21 – 07/23

*Performed with previous employer*

**700-29-0112, 700-29-0130, H.012565, H.012891, H.014251, H.014252, H.014253, H.014254, H.014256, H.014257: Rural Bridge Initiative Phase II: West Feliciana, East Feliciana, Livingston, St. Bernard Parishes, LA. Sigma Consulting Group.** Project Manager. Led technical reviews pertaining to selection of design reaches, geotechnical design of pile foundations, drivability, slope stability, settlement analyses, and construction testing program recommendations. This project consisted of the replacement of multiple small two-lane rural bridges traversing small rivers and creeks, throughout Southeast Louisiana generally ranging in length from 100 to 400 feet.

12/20 – 07/23

*Performed with previous employer*

**H.013897: College Drive Flyover Ramp I-10/I-12 West: East Baton Rouge Parish, LA. DOTD.** Project Manager. Led technical reviews for the Owner Verification (OV) of geotechnical design for various structures, as well as pavement design along the project alignment. A Design-Build project, the scope included modifying the I-10 West/College Drive exit into separate I-12 West and I-10 West exits.

06/18 – 07/23

*Performed with previous employer*

**H.004791: LA 23 Belle Chasse Bridge and Tunnel: Plaquemine Parish, LA. DOTD** Project Manager. Led reviews of geotechnical and pavement engineering design for Owner Verification (OV) during design and construction phases. This P3 Project consisted of replacing the Belle Chasse bridge and tunnel.

Prime consultant name: **Volkert, Inc.**



Firm employed by: Terracon Consultants, Inc.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).
05/19 – 07/23 <i>Performed with previous employer</i>	<b>H.003370: I-220/I-20 Interchange Improvement and Barksdale Access Road: Bossier Parish, LA. DOTD.</b> Project Engineer. Provided pavement design for all roadways. The Design-Build project involved the construction of an interchange and direct access road to I-20 from the Barksdale Air Force Base just outside of Bossier City. Also included were twin overpass bridges and access ramps.
09/17 – 06/18 <i>Performed with previous employer</i>	<b>Roddy Road Safety Widening: Ascension Parish, LA. T. Baker Smith.</b> Project Manager. Provided pavement and deep foundation design for the safety widening along Roddy Road from LA 935 to LA 621. The project consisted of providing two 12-foot lanes, 4-foot shoulders, and a defined side ditch for roadside drainage, as well as the design of various turn lanes at the intersection locations.
11/15 – 07/23 <i>Performed with previous employer</i>	<b>H.011309: McArthur Interchange Completion Phase II, US 90Z: Jefferson Parish, LA. DOTD.</b> Project Engineer. Provided geotechnical analyses and recommendations pertaining to elevated ramps and associated at-grade approaches. Performed design recommendations including deep foundations, pile group analyses, embankment settlement, and pile-supported approach slab design for the construction of ramps entering and exiting Westbank Expressway. The project consisted of horizontal and vertical design for widening the south frontage road from Peters Road and east bound Harvey Tunnel to Manhattan Boulevard, including four eastbound on and off ramps of the Westbank Expressway.
05/15 – 07/23 <i>Performed with previous employer</i>	<b>Pecue Lane: I-10 Interchange: East Baton Rouge Parish, LA. Shread-Kuyrkendall and Associates.</b> Project Engineer. Performed geotechnical engineering analyses, including embankment settlement and slope stability of earth retaining structures and deep foundations, and was later involved with construction phase services, including review of the pile driving system and high-strain dynamic testing. The project comprised the construction of an interchange with multiple through and turn lanes, entrance and exit ramps in a congested area, and replacement of two existing overpass bridges, as well as roadway widening and extension.
01/15 – 07/23 <i>Performed with previous employer</i>	<b>H.004273.5: I-49 Connector (Lafayette Regional Airport): Lafayette Parish, LA.</b> Stantec Project Engineer. Provided geotechnical design and technical review for various structures along the project alignment. The project included frontage roads, elevated mainline viaduct structure, interchanges with associated ramps, and bridges over a total length of five miles. Assisted with characterizing all of the soil borings and CPT soundings into various design reaches using a proprietary database across the 5-mile alignment, and oversaw the pile foundation design, earth-retained structures, slope stability, and embankment settlement. He also assisted with developing the preliminary geotechnical report.
09/14 – 01/15 <i>Performed with previous employer</i>	Linear Segmentation and Pavement Condition Surveys of Roads and Parking Lots: Meridian, MS. Naval Air Station Project Engineer. Responsible for managing fieldwork for pavement condition survey for the NAS-Meridian as part of a nationwide effort to determine pavement condition indices to support pavement management at seven naval installations.
04/14 – 08/14 <i>Performed with previous employer</i>	La Quinta Road Widening: Corpus Christi, TX. Corpus Christi Liquefaction, LLC Project Engineer. Performed quality control (QC) review of the geotechnical and pavement design report deliverable from subconsultant. The project is a proposed widening of a 1.7-mile section of La Quinta Road, from a two-lane configuration without shoulders to a 40-foot, three-lane configuration with shoulders.
05/10 – 07/10 <i>Performed with previous employer</i>	Facility Improvements: Brevard County, FL. Cape Canaveral Air Force Station Project Engineer. Performed pavement design for all-weather, compacted gravel access roads as part of facility improvements at the Air Force station. The pavement was proposed to carry truck traffic and was designed according to the Unified Facilities Criteria.

Firm employed by: Terracon Consultants, Inc.

**Ryan Poindexter, PE**

*Geotechnical Engineer*

Years of relevant experience with this employer

7

Years of relevant experience with other employer(s)

0

Degree(s) / Years / Specialization

BS | 2013 | Engineering

Year registered

2021

Active registration number / state / expiration date

46285 | LA | 3/31/2024

Discipline

Civil



Contract role(s) / brief description of responsibilities:

Mr. Poindexter will provide Geotechnical Engineering services for the duration of this contract.

Experience dates  
(mm/yy-mm/yy)

Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).

Ryan has seven years of geotechnical engineering experience working for commercial, industrial, and transportation clients. His experience includes field and office tasks such as drill crew supervision, soil laboratory testing, data quality control, engineering calculations, geotechnical report preparation, and project management. Ryan now focuses on managing full-spectrum geotechnical projects, many of which are for DOTD through our geotechnical retainer contract. His certifications include:

- ▼ Traffic Control Supervisor
- ▼ Certified Flagger

12/20 - Ongoing

**IDIQ Contracts for Professional Geotechnical Services Statewide Contract No. 4400019014, Statewide, LA, DOTD.** Project Manager. Manages projects associated with the retainer contract for services to perform geotechnical exploration and engineering.

07/21 - 12/21

**H.003931 I-10 Lake Charles, Lake Charles, LA, DOTD.** Project Manager. Coordinated field work and access, including private land owners and government agencies. Coordinated lab testing and QC checked data. Prepared project deliverables and coordinated engineering review prior to final submittal.

05/20 - 01/21

**H.005121 LA-1 and LA-415 Connector, Port Allen, LA, DOTD.** Project Manager. Coordinated field work, access, and initial lab testing prior to project being suspended.

07/18 - 10/21

**H.011235.5: I-49 South @ Verot School Road US 90 - Lafayette, LA, DOTD.** Staff Engineer. Reviewed field logs, samples, and data. Assisted in coordinating lab testing.

06/18 - 06/21

**H.005967.5: Nelson Rd. Extension and Bridges - Calcasieu Parish, LA, DOTD.** Assistant to project manager. The project consisted of providing a site characterization report for the new road and bridge, pile design, and pavement design recommendation. The geotechnical field exploration consisted of soil borings adjacent to the existing roadway, borings in undeveloped land adjacent to the Port of Lake Charles, and borings in Bayou Contraband. Field exploration was completed safely over the course of multiple weeks with up to four land and water drill crews on site at once. Laboratory testing included consolidation testing, compressive strength testing, and testing for classifying of soil samples collected in accordance with DOTD standards. Terracon provided recommendations for precast concrete piles, pavement design, and site preparation.

10/18-01/19

**H.000133 US 80 Overpass at KCS RR, Simsboro, LA.** Engineering Intern. Assisted with subsurface evaluation and lab testing. All testing was performed in accordance with DOTD sampling and guidelines. He worked on boring logs and reporting.

Firm employed by: Terracon Consultants, Inc.

Experience dates  
(mm/yy-mm/yy)

Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).

06/19 – 04/20

**H.004100, I-10- Widening East Baton Rouge Parish – Baton Rouge, LA.** Project Manager. The project consisted of providing a site characterization report for future improvements of the existing roadway. The geotechnical field exploration consisted of soil borings adjacent to the existing roadway. Field exploration was completed safely over the course of multiple weeks with up to four land drill crews on site at once. Laboratory testing included consolidation testing, compressive strength testing, and testing for classifying of soil samples collected in accordance with DOTD standards.

07/18 – 12/18

**H.009481, LA 20 Bayou Chevreuil Bridge - St. James Parish, LA.** Assistant to project manager. Coordinated field activities and lab testing for this geotechnical characterization for a replacement bridge. The project consisted of soil borings and CPT soundings along the proposed alignment of the replacement. The geotechnical field exploration required extensive use of water boring equipment. Before field operations began, site visits were conducted to determine the safest and most efficient access for drilling equipment around and along. Field exploration was completed safely over the course of multiple days utilizing land, pontoon, and barge mounted drilling equipment. Laboratory testing included compressive strength testing and testing for classifying soil samples collected in accordance with DOTD standards.

Firm employed by: Terracon Consultants, Inc.

**Matt Minton**

*Geotechnical Laboratory Manager*

Years of relevant experience with this employer

21

Years of relevant experience with other employer(s)

0

Degree(s) / Years / Specialization

AA | 2001 | Design Drafting Technology

Year registered

N/A

Active registration number / state / expiration date

N/A

Discipline

N/A



Contract role(s) / brief description of responsibilities:  
Mr. Minton will serve as Geotechnical Laboratory Manager.

Experience dates  
(mm/yy-mm/yy)

Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).

Matt has 21 years of experience in laboratory testing and construction QA/QC testing for geotechnical projects, civil construction, and landfill construction. He currently serves as the Laboratory Manager of Terracon's Baton Rouge full-service geotechnical and construction materials laboratory. Matt has worked diligently to implement a complete QA process for all the laboratory tests conducted in our laboratory. Under his supervision, the Baton Rouge laboratory has maintained its LDEQ LELAP, USACE, and AASHTO (AMRL and CCRL) certifications.

07/21 - 12/21

**H.003931 I-10 Lake Charles, Lake Charles, LA, DOTD.** Served as lab manager on this project.

12/20 - Ongoing

**IDIQ Contracts for Professional Geotechnical Services Statewide Contract No. 4400019014, Statewide, LA, DOTD.** Lab Manager. Serves as lab manager for projects under this contract.

06/20 - 01/21

**H.005121 LA-1 and LA-415 Connector, Port Allen, LA, DOTD.** Served as lab manager on this project.

06/19 - 01/20

**H.004100: I-10- Widening East Baton Rouge Parish, LA, DOTD.** Served as lab manager on this project.

07/18 - 11/18

**H.011235.5: I-49 South @ Verot School Road US 90 - Lafayette, LA, DOTD.** Served as lab manager on this project.

06/18 - 08/18

**H.005967.5: Nelson Rd. Extension and Bridges - Calcasieu Parish, LA, DOTD.** Served as lab manager on this project.

06/17 - 02/18

**H.002980.5: I-10 Overpass US 165 & MPRR, Project - Iowa, LA, DOTD.** Served as lab manager on this project.

09/17 - 11/17

**US 165/I-10 Project; Iowa, LA, DOTD.** Served as lab manager on this project.

03/17 - 04/17

**H.001140 LA 124: Hooter Creek Bridge - Jena, LA, DOTD.** Served as lab manager on this project.

01/17 - 03/17

**H009233: Bayou Flagon Bridges - Ball, LA, DOTD.** Served as lab manager on this project.

09/14 - 08/15

**Highway 167 Widening, DOTD.** Served as lab manager on this project.

11/10 - 11/11

**LA 1/Interstate 10 Connector - 30% Design, Port Allen, LA, Volkert/DOTD.** Served as lab manager on this project.

Firm employed by: Terracon Consultants, Inc.

Experience dates  
(mm/yy-mm/yy)

Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).

05/08 - 03/09

**I-12 Widening - East Baton Rouge and Livingston Parishes, LA, DOTD.** Served as lab manager on this project.

11/04 - 07/12

**Off System Bridges throughout LA, DOTD.** Served as lab manager on this project.

Firm employed by: Terracon Consultants, Inc.

**Brian Alexander**

*Drilling Operations Manager*

Years of relevant experience with this employer

17

Years of relevant experience with other employer(s)

0

Degree(s) / Years / Specialization

MS | 1999 | Physical Therapy

Year registered

N/A

Active registration number / state / expiration date

N/A

Discipline

N/A



Contract role(s) / brief description of responsibilities:  
Mr. Alexander will perform Drilling Operation services.

Experience dates  
(mm/yy-mm/yy)

Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).

With 17 years of experience in field exploration, Brian manages the geotechnical drilling operations for Louisiana and Mississippi. He has worked extensively on commercial, industrial, DOTD, and institutional projects. These assignments have provided him extensive experience in Shelby Tube and Split Spoon sampling, Macro-core, Geoprobe and Electronic Cone Penetrometer Testing (CPT), and mud rotary drilling. He coordinates logistics/scheduling of projects between the six offices in both states and assists neighboring states in project coordination when it is needed. His approach to increased field safety has earned him safety awards at the division and national levels.

01/22- 01/22

**H.012033 Cross Bayou and Caney Bayou Bridges – Ouachita Parish, LA, DOTD.** Supervised drill crews for this project.

01/22- 01/22

**H. 002794.5 LA 308 – Canal Bridges Near Larose – Larose, LA, DOTD.** Supervised drill crews for this project.

07/21 – 10/21

**H.003931 I-10 Lake Charles, Lake Charles, LA, DOTD.** Supervised drill crews during field exploration.

12/20 – Ongoing

**IDIQ Contracts for Professional Geotechnical Services Statewide Contract No. 4400019014, Statewide, LA, DOTD.** Supervising drilling operations for projects under this contract.

05/20 -01/21

**H.005121 LA-1 and LA-415 Connector, Port Allen, LA, DOTD.** Supervised drill crews for this project.

10/18 – 07/19

**H.010620: US 90 (I-49 South) Design Build, Lafayette Parish, LA, C.H. Fenstermaker.** Supervised drill crews and worked in the field as a logger on several of these projects.

06/19 – 11/19

**H.004100: I-10- Widening East Baton Rouge Parish, LA, DOTD.** Supervised drill crews and worked in the field as a logger.

07/18 – 10/18

**H.011235.5: I-49 South @ Verot School Road US 90, Lafayette, LA, DOTD.** Supervised drill crews.

05/18 – 06/18

**H.005967.5: Nelson Rd. Extension and Bridges, Calcasieu Parish, LA, DOTD.** Supervised drill crews and worked in field as a logger for water borings.

05/17 – 08/17

**H.002980.5: I-10 Overpass US 165 & MPRR | Project; Iowa, LA, DOTD.** Served as field supervisor for this project.

11/04 – 07/12

**Off-System Bridges throughout LA, DOTD.** Supervised drill crews and worked in the field as a logger on several of these projects.



Firm employed by: Terracon Consultants, Inc.

Experience dates  
(mm/yy-mm/yy)

Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).

09/14 - 08/15

**Highway 167 Widening, DOTD.** Supervised drill crews and worked in the field as a logger on several of these projects.

11/10 - 11/11

**LA 1/Interstate 10 Connector, Port Allen, LA, DOTD.** Supervised drill crews.

11/04 - 07/12

**I-12 Widening - East Baton Rouge and Livingston Parishes, LA, DOTD.** Served as field supervisor for this contract.

# SURVEY

Randy Denmon, PE, PLS | **MPR #9**  
 Steven Lengefeld  
 Bryan Ardoin  
 Benny Fox  
 Paul Rossini, PLS | **MPR #9**  
 Bryan Bunch, PLS | **MPR #9**  
 Mike King, PLS  
 Grant Gilleon, PLS  
 Amy Schulze, PE, CFM  
 T.J. Sitton  
 William Offer



**STAGE 0**

<b>PRELIMINARY</b> FOR REVIEW ONLY	<b>NEEL-SCHAFFER, INC.</b>  ENGINEER: DISHLLI S. YOUNG LICENSE #: 33723 DATE: 11/29/2021
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**LEGEND**

ROADWAY IMPROVEMENTS	WELLS*
APPARENT R/W	OIL/GAS WELLS*
REQ'D R/W	WATERWAY*
REMOVALS	FRESHWATER POND
STOP CONTROL	* SOURCE: EDR GIS FILES

DESOTO	PARISH	SECTION
B16-11	B16-11	
CONCEPT LAYOUT ALTERNATE 2		

Firm employed by: Volkert, Inc.

**Randy Denmon, PE, PLS**

*Project Engineer / Surveyor*

Years of relevant experience with this employer

26

Years of relevant experience with other employer(s)

0

Degree(s) / Years / Specialization

MS | 1996 | Civil Engineering  
BS | 1991 | Mathematics

Year registered

1996  
2001

Active registration number / state / expiration date

29390 | LA PE | 03/31/2025  
4798 | LA PLS | 03/31/2025

Discipline

Civil  
Surveyor



Contract role(s) / brief description of responsibilities:

Mr. Denmon will serve as will serve as Project Engineer/Surveyor. He will fulfill Minimum Personnel Requirement # 9 for the duration of this project.

Experience dates  
(mm/yy-mm/yy)

Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).

Mr. Denmon has 26 years experience in surveying and civil engineering for clients such as: La. Department of Transportation, and other State Agencies, Watershed and Lake Districts, the NRCS, and many local governments. Mr. Denmon has extensive experience with Trimble, Microstation and Bentley computer aided design software: and the DOTD’s Location and Survey Procedures for both topographic and right of way surveys. Mr. Denmon’s certifications include:

▼ ATSSA Certified Flagger

07/22 - 01/23

**IDIQ Contract for Design of Safety Projects, Statewide With Majority Of Work In Districts 04, 05 And 58. Contract No. 4400019871, DOTD.** Sub to Gresham Smith for Topographic and Right of Way Surveys. One Task Order Complete. Surveyor in charge of all survey work.

12/21 - 01/23

**IDIQ Contract for Louisiana Watershed Initiative (LWI) Modeling Contract, Region 3, DOTD, State Contract No. 4400017069.** Sub to Wood for topographic surveying on streams and bridges. Four Task Orders for \$1,426,244. Surveyor in charge of all survey work.

11/19 - 10/20

**LA 3249: Roundabout @ I-20/Well Rd., Ouachita Parish, LA, DOTD.** Project Engineer. Design of roundabout on LA 3249 within existing right-of-way. Project included five lane to two lane concrete roundabout with sub-surface drainage and concrete on/off ramps with sub-surface drainage. Work included: design drainage, geometric design, joint layout, typical sections, marking plans, preliminary and final plans, quantity calculations and cost estimates.

01/17 - 09/21

**Retainer Contract for Safe Routes to Schools (Srts) and Local Road Safety Program (LRSP), DOTD. Contract No. 4400005894.** Complete topographic and right of way surveys for six projects. Surveyor in charge of all survey work.

01/12 - 11/18

**Flood Control Improvements to the Rochelle St., Roselawn St. & 11th Area Of Monroe, DOTD.** Project included all surveying, environmental permitting, H&H Modeling with HEC-HMS and HEC-RAS, Final Plans, Bidding and Construction Inspection. Project included new 6-acre retention pond and modifications to the existing Rochelle St. Pump Station. Project Cost: \$2,153,000. Project funded through the DOTD’s Statewide Flood Control Program.

Prime consultant name: Volkert, Inc.



Firm employed by: Volkert, Inc.	
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).
11/10 - 08/13	<b>Bundick’s Creek Lake Upgrades, Deridder, LA - SP No. 750-06-01, DOTD.</b> Project Manager. Final Design and permitting of new, 100’ concrete crest gate spillway for the DOTD. Design work included: civil, structural, geotechnical, hydraulic, hydrologic, mechanical and electrical engineering, surveying and mapping, CAD, and cost estimating is required. Design work completed with Bentley’s Microstation software. Project Cost: \$ 6,100,000.
11/10 - 04/12	<b>Reconstruction of Cane River Lake Spillway, SPN: 50-NJX-07-01, Natchitoches Parish, LA, DOTD.</b> Project Manager. Work included design and construction of coffer dams, removal and replacement of spillway gates, and epoxy grout treatment of concrete spillway. Work included civil, structural, geotechnical, hydraulic, hydrologic, surveying and mapping, CAD, and cost estimating. Design work completed with Bentley’s Microstation software. Project Cost: Approximately \$300,000.
03/09 - 04/11	<b>Oliver Road Widening, SPN 742-37-0019, ARR 3709(504), DOTD.</b> Widening and reconstruction of 1 mile of urban road from 2 land to 3 lanes. Engineer of record and surveyor in charge of topographic and right of way surveying.
06/08 - 03/10	<b>Drainage Improvements, Franklin Farm Megasite, SPN 05-252-06-14, Richland Parish, LA, Louisiana Department of Economic Development.</b> Project Manager. Work included 100 and 500 year flood determination and mapping, topographic surveying, environmental permitting, and design for the relocation of approximately 1.5 miles of local bayous, utility relocations, and drainage structures for the Louisiana Dept. of Economic Development. Design work included: civil, structural, geotechnical, hydraulic, hydrologic, surveying and mapping, CAD, and cost estimating. Design work completed with Bentley’s Microstation software. Project Cost: Approximately \$1,100,000.
06/05 - 08/10	<b>State Wide Dam Breach Analysis (Louisiana) - SPN 750-99-0128 &amp; 750-99-132, DOTD.</b> Project Manager. Work included Dam Breach Analysis and Emergency Action Plans on 24 dams maintained by the DOTD. Work included downstream creek, downstream bridge, and dam surveys; construction of a HEC-RAS computer model to model a dam breach on each site under maximum storage conditions, and a final report that: detailed all work completed, model analysis and results, inundation mapping with Microstation Software, and recommendations for hazard classifications of said dams. Design work included hydraulic and hydrologic modeling, surveying and mapping, and CAD. Engineering Fee: \$1,050,697.
02/03 - 03/09	<b>Cross Lake Dam, Stability Analysis and EAP, Caddo Parish, LA, City of Shreveport.</b> Project Manager. Emergency Action Plan and final design, bidding and award for the clearing and grubbing of the dam; detailed field surveys, analysis of the dam that included 26 boring, lab analysis, the installation of 6 piezometers, stability analysis, through seepage analysis, and under seepage analysis; and recommendations for corrective measures for the dam. Project Cost: \$250,000.
03/01 - 04/16	<b>Fink’s Hide-A-Way Road Project Number: SPN 700-24-0087, FAP 8456 (002), DOTD.</b> Project Engineer. Widening approximately 2 miles of Finks Hide-A-Way road in Ouachita Parish to three/five lane undivided roadway with underground drainage. Prime Engineer in charge of roadway design for the entire project. Project included concrete roadway, curb and gutter, and underground drainage. Work included: drainage design, geometric design, typical sections, preliminary and final plans, quantity calculations and cost estimates.
01/00 - 04/08	<b>Jct. US 84 - Jct. LA 126; Route LA 34; Winn Parish; SPN 700-64-0102; FAP No. STP-591-1(008), DOTD.</b> Design, and Topographic and R-O-W surveys for the relocation and reconstruction of approximately 11 miles of rural state HWY 34. Engineer and surveyor on the project.

Firm employed by: Volkert, Inc.

**Steven Lengefeld**

Survey Supervisor

Years of relevant experience with this employer 26

Years of relevant experience with other employer(s) 2

Degree(s) / Years / Specialization Certificate | 1992 | Drafting & Design Technology

Year registered N/A

Active registration number / state / expiration date N/A

Discipline Supervisor - Other



Contract role(s) / brief description of responsibilities:  
Mr. Lengefeld will help coordinate survey and as a technician will help with the data processing.

Experience dates (mm/yy-mm/yy)

Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).

Mr. Lengefeld serves as the Survey Manager for Volkert’s Monroe, Louisiana office. For the past 25 years, Mr. Lengefeld has been actively engaged in the field of survey. He does the processing of survey data, cost estimates, & drafting, especially as it relates to property plats, easements and right of ways. Mr. Lengefeld has used several Cad platforms and various design packages, such as Microstation V8i, Autocad 2018, Inroads V8i, Softdesk & Civil 3D and Trimble software to process survey data and produce property plats and other drawings as it pertains to survey. Mr. Lengefeld also writes legals for property plats. He works with the project managers and engineers to provide quality survey needed for their projects. Mr. Lengefeld’s responsibilities include preparation of preliminary and final plats and legals. He manages the scheduling of three survey crews and does all the purchasing of equipment and survey supplies. Mr. Lengefeld is in contact with clients as it relates to surveying and communicates with each survey crew on a daily basis for direction of each day. Mr. Lengefeld’s certifications include:

- ▼ ATSSA Traffic Control Supervisor
- ▼ ATSSA Certified Flagger

07/17 - 09/18 **Safe Routes To Schools and Local Road Safety Program, DOTD.** Mr. Lengefeld served as Survey Supervisor. Surveying and CE&I on six safe roads projects in North Louisiana.

2014 - 2021 **NRCS Conservation Easements.** Worked on several NRCS projects throughout North and central Louisiana. His work included courthouse research, managing and directing the survey crew in topographic and boundary survey work on site, processing survey data, creating drawings into property and boundary plats, writing legals and being in communication with property owners as it relates to the progress of each survey.

2014 - Ongoing **Atmos Energy.** Work directly with Atmos Energy on several projects across North Louisiana. These projects include topographic survey, layout of gas lines and right of ways, property plats and legals for above ground right of way and below ground right of way and easements.

2016 - 2018 **Bossier Parish Proposed Street Improvements – Disaster Relief – 2016 Flood Event.** Work directly with the Project Engineer to prepare preliminary and final drawings including plan & profile sheets, typical sections, using Microstation V8i, Autocad 2018 & Civil Packages. Directed the survey crew in getting topographic survey needed for engineers.

2008 - 2013 **SPN 700-24-0087; FAP No. STPM-8456(002); Fink’s Hide A-Way Road (US 165 - Raymond Drive); Ouachita Parish.** Work directly with the Project Engineer to prepare preliminary and final drawings including plan & profile sheets, typical sections, geometrics and special details, cross-sections, drainage maps, and right-of-maps using Microstation J & Civil Packages. Directed the survey crew in getting topographic survey needed for engineers.

Firm employed by: Volkert, Inc.

**Bryan Ardoin**

Party Chief

Years of relevant experience with this employer

11

Years of relevant experience with other employer(s)

1

Degree(s) / Years / Specialization

N/A

Year registered

N/A

Active registration number / state / expiration date

N/A

Discipline

Party Chief



Contract role(s) / brief description of responsibilities:

Mr. Ardoin will perform Party Chief services for the duration of this project.

Experience dates  
(mm/yy-mm/yy)

Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).

Mr. Ardoin has 12 years of experience as a Party Chief.

01/23 - Ongoing

**City of Winnsboro Industrial Park Site.** Topographic Survey. Mr. Ardoin serves as Party Chief.

08/22 - Ongoing

**LWI Region 3.** Surveying of structures and cross sections in Northeast Louisiana. Mr. Ardoin serves as Party Chief.

07/17 - 08/18

**Safe Routes To Schools and Local Road Safety Program, DOTD.** Surveyor, Project Manager for six striping and sidewalk projects. Surveying and CEGI on six safe roads projects in North Louisiana.

01/16 - 08/20

**Kansas Lane Extension, 700-37-0125, Surveyor for Preliminary and Final design of 3.7 miles of new four/five lane divided and undivided roadway from US 165 to US Highway 80.** Volkert was the Prime Engineer in charge of roadway design for the entire project. Project included five lane concrete roadway with sub-surface drainage and four lane asphaltic concrete rural roadway with open ditches. Work included: drainage design, geometric design, typical sections, preliminary and final plans, quantity calculations and cost estimates. Project Cost: \$33,000,000.

02/15-08/20

**Red Chute Levee, S.P. No. H.011353.** Surveyor for final design and right of way maps to widen 7 miles of levee on Red Chute Bayou.

2/15-08/20

**NRCS Wetland Restoration Program, Right of Way surveys.** Mr. Ardoin serves as Party Chief.

2014 - Ongoing

**Atmos Energy.** Work directly with Atmos Energy on several projects across North Louisiana. These projects include topographic survey, layout of gas lines and right of ways, property plats and legals for above ground right of way and below ground right of way and easements.

Firm employed by: Volkert, Inc.

**Benny Fox**

Rodman

Years of relevant experience with this employer

1

Years of relevant experience with other employer(s)

0

Degree(s) / Years / Specialization

N/A

Year registered

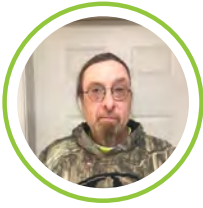
N/A

Active registration number / state / expiration date

N/A

Discipline

Rodman



Contract role(s) / brief description of responsibilities:

Mr. Fox will perform Rod Person services for the duration of this project.

Experience dates  
(mm/yy-mm/yy)

Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).

Mr. Fox joined Volkert in 2022. He serves as the Rod Person and the survey party who holds a leveling rod or prism pole to permit sighting with the surveying instrument.

01/23 - Ongoing

**City of Winnsboro Industrial Park Site.** Topographic Survey. Mr. Fox serves as Rodman / Instrument Man.

08/22 - Ongoing

**LWI Region 3.** Surveying of structures and cross sections in Northeast Louisiana. Mr. Fox serves as Rodman / Instrument Man.

10/22 - 11/22

**Walnut Street Utilities.** Topographic survey on Walnut Street. Mr. Fox served as Rodman / Instrument Man.

08/21 - 08/22

**Safe Routes To Schools and Local Road Safety Program, DOTD.** Mr. Fox served as Rod Person. Surveying and CEGI on six safe roads projects in North Louisiana.

Firm employed by: NTB Associates, Inc.

**Paul Rossini, PLS**

Survey

Years of relevant experience with this employer

36.5

Years of relevant experience with other employer(s)

7

Degree(s) / Years / Specialization

High School Diploma, 1980

Year registered

1994

Active registration number / state / expiration date

4731 / Louisiana / 09/30/2024

Discipline

Survey

Contract role(s) / brief description of responsibilities:

Mr. Paul Rossini, PLS will serve as NTBA Contract Administrator/ Principal-in-Charge during this contract. He will sign all contracts and assist in staffing, logistics, and QA/QC for all DOTD services. Paul satisfies MPR No. 9 per the advertisement.

Experience dates  
(mm/yy-mm/yy)

Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).

01/23 – 08/23

**Jimie Davis Bridge (LA 511) Design-Build, Bossier & Caddo Parishes, LA (H.001779)** Principal-in-Charge of contract administration, fee negotiations, scope of work, staffing, coordination, and QA/QC for Static GPS Control, topographic surveys, property surveys, right-of-way mapping, QL A, B, C, & D utility designating/locating, and utility coordination services for the design-build project to replace the Jimmy Davis Bridge across the Red River.

08/22 – 10/22

**CenterPoint LA 1 Easement Staking & SUE Services, Caddo Parish, LA (CP 101783539)** Principal-in-Charge of contract administration, staffing, coordination, and QA/QC for surveying services and QL B designating services for approximately 1.5 miles along LA 1 in Shreveport near the Red River Port from south of Doug Attaway Blvd. to Tones Bayou Road.

04/22 – 04/23

**DOTD Monkhouse to I-49, Caddo Parish, LA (4400017713)** Principal-in-Charge of contract administration, staffing, coordination, and QA/QC for Static GPS Control, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, QL C & D subsurface utility services, drainage map preparation, and Mobile Laser Scanning for interstate rehabilitation.

08/21 – 08/23

**DOTD Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (4400019337)** Principal-in-Charge of contract administration, staffing, coordination, and QA/QC for Static GPS Control, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, property surveys, right-of-way mapping, and QL C & D subsurface utility services for 34 bridge and culvert replacements as a sub-consultant to BKL.

04/21 – 08/23

**DOTD Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (4400019338)** Principal-in-Charge of contract administration, staffing, logistics, and QA/QC for Static GPS Control, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, property surveys, right-of-way mapping, and QL C & D subsurface utility services for 21 bridge and culvert replacements as a sub-consultant to Sigma.

12/17 – 07/20

**DOTD I-10: LA 415 to Essen Lane on I-10 and I-12, West & East Baton Rouge Parishes, LA (H.004100.5)** Principal-in-Charge of contract administration, staffing, coordination, and QA/QC for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, QL B, C, and D subsurface utility designating, and surveys in support of QL B, C, and D subsurface utility designating for approximately 13 miles of roadway.



Firm employed by: NTB Associates, Inc.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).
11/15 – 05/17	<b>Bossier Parish Police Jury, Winfield Road Extension, East/West (LA 3 to Airline Highway) Bossier Parish, LA (DEC 15-11-03)</b> Principal-in-Charge of fee negotiations, scope of work, staffing, logistics, and QC/QA for control surveys, topographic surveys, property surveys, right-of-way mapping, QL D subsurface utility services, and drainage map preparation as a sub to Denmon (Volkert). This Bossier Parish Roadway Design Project was the first mile of the exact same route as advertised for this DOTD advertisement.
07/16 – 03/17	<b>DOTD Bayou Fountain, Route LA 327 Spur (Gardere Lane) East Baton Rouge Parish, LA (4400006527 &amp; H.002337.5)</b> Principal-in-Charge of fee negotiations, scope of work, staffing, logistics, and QC/QA for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, surveys in support of QL B, C, and D subsurface utility designating, and drainage map preparation for roadway rehabilitation.
05/15 – 08/23	<b>City of Bossier, Walter O. Bigby Carriageway (N. Pkwy Ext.) Bossier Parish, LA (City Proj. No. 8-15)</b> Principal-in-Charge of contract administration, fee negotiations, scope of work, staffing, coordination, and QA/QC for topographic surveys, Static GPS Control, property surveys, hydrographic surveying services, QL A, B, C, and D subsurface utility designation/locating. Currently, in the construction management support phase and addressing RFI's as needed.
04/15 – 02/16	<b>DOTD I-20 (Airline Drive to I-220) Route I-20, Bossier Parish, LA (4400005532 &amp; H.011319.5)</b> Principal-in-Charge of contract administration, staffing, coordination, and QA/QC for topographic surveying services and surveys in support of QL B, C, and D subsurface utility designating.
02/15 – 12/15	<b>DOTD Caddo Lake Bridge, Route LA 1 Caddo Parish, LA (H.01166.5)</b> Principal-in-Charge of contract administration, staffing, coordination, and QA/QC for topographic surveys performed along a portion of the existing route of LA Hwy. 1 for a proposed bridge replacement at the intersection of Caddo Lake and LA Hwy. 1 in Caddo Parish east of Mooringsport.
04/15 – 09/15	<b>DOTD LA 3094: Hearne Ave. Bridge Rehab, Route LA 3094, Caddo Parish, LA (4400001798 &amp; H.011094.5)</b> Principal-in-Charge of fee negotiations, scope of work, staffing, logistics, and QC/QA for topographic surveying services, HDS 3D Terrestrial Laser Scanning, drainage map preparation, and QL B subsurface utility designating for bridge rehabilitation.
05/13 – 10/15	<b>Bossier Parish Police Jury, Kingston Road Improvements and Development, Bossier Parish, LA (Agency Proj. No. Unknown)</b> Principal-in-Charge of fee negotiations, scope of work, staffing, logistics, and QC/QA for topographic surveys, property surveys, final right-of-way mapping, and drainage map preparation for the use in engineering plan and specifications.
03/12 – 08/13	<b>Bossier Parish Police Jury, Sligo Road Extension, Bossier Parish, LA (Agency Proj. No. Unknown)</b> Principal-in-Charge of fee negotiations, scope of work, staffing, logistics, and QC/QA for topographic surveys, DTM Modeling, and point file generation for the extension design covering 5.5 miles of roadway as a sub to Denmon (Volkert). Utility information was also gathered along the route from One Call ticket information and contact with utility companies.
12/12 – 12/12	<b>DOTD I-49 Survey Subsurface Utilities, Caddo Parish, LA (H.00388.5)</b> Principal-in-Charge of scope, fees, contracts, coordination, staffing, and logistics for topographic and utility surveys to locate and code all existing utilities to meet DOTD standards.
03/08 – 05/15	<b>Bossier Parish Police Jury, Hamilton Road Improvements (I-20 to Benton Road) Bossier Parish, LA (H.003849 &amp; 700-08-0123)</b> Principal-in-Charge of fee negotiations, scope of work, staffing, logistics, and QC/QA for topographic surveys, property surveys, and final right-of-way mapping for roadway rehabilitation.

Firm employed by: NTB Associates, Inc.

**Bryan Bunch, PLS**

Survey

Years of relevant experience with this employer 14.5

Years of relevant experience with other employer(s) 15

Degree(s) / Years / Specialization B.S. / 1988 / Survey and Land Information Systems, University of Arkansas

Year registered 2009

Active registration number / state / expiration date 5014 / Louisiana / 03/31/2024

Discipline Survey

Contract role(s) / brief description of responsibilities:

Mr. Bryan Bunch, PLS will serve as NTBA Survey Project Manager for topographic surveys during this contract. He will manage survey crews, processing, drafting, and submittals. Bryan satisfies MPR No. 9 per the advertisement.

Experience dates (mm/yy-mm/yy)

Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).

01/23 - 08/23	<b>Jimie Davis Bridge (LA 511) Design-Build, Bossier &amp; Caddo Parishes, LA (H.001779)</b> Survey Project Manager directing field crews, file processing, drafting, and submittals for Static GPS Control, topographic surveys, property surveys, right-of-way mapping, QL A, B, C, & D utility designating/locating, and utility coordination services for the design-build project to replace the Jimmy Davis Bridge across the Red River.
04/22 - 04/23	<b>DOTD Monkhouse to I-49, Caddo Parish, LA (4400017713)</b> Survey Project Manager directing field crews, file processing, drafting, and submittals for Static GPS Control, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, QL C & D subsurface utility services, drainage map preparation, and Mobile Laser Scanning for interstate rehabilitation.
08/21 - 08/23	<b>DOTD Rural Bridge Replacement Initiative Phase II, Districts 05, 08, &amp; 58 (4400019337)</b> Survey Project Manager directing field crews, file processing, drafting, and submittals for Static GPS Control, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, property surveys, right-of-way mapping, and QL C & D subsurface utility services for 34 bridge and culvert replacements as a sub-consultant to BKI.
04/21 - 08/23	<b>DOTD Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, &amp; 62 (4400019338)</b> Survey Project Manager directing field crews, file processing, drafting, and submittals for Static GPS Control, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, property surveys, right-of-way mapping, and QL C & D subsurface utility services for 21 bridge and culvert replacements as a sub-consultant to Sigma.
03/21 - 03/22	<b>City-Parish Ward Creek at Siegen Lane, East Baton Rouge Parish, LA (22-DR-US-0013)</b> Survey Project Manager managed field crews and technicians for control, topographic, and property surveys along with QL B, C, and D subsurface utility designating services for approximately 1,500 feet of Ward Creek.
12/20 - 03/22	<b>DOTD LA 47 IW60 Bridge Rehabilitation, Historic Bridge Improvement (HBI), Orleans Parish, LA (4400017713)</b> Survey Project Manager directed field crews, file processing, drafting, and submittals for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection and surveys in support of QL C & D subsurface utility services.
12/17 - 07/20	<b>DOTD I-10: LA 415 to Essen Lane on I-10 and I-12, West &amp; East Baton Rouge Parishes, LA (H.004100.5)</b> Survey Project Manager directing field crews, file processing, drafting, and submittals topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, QL B, C, and D subsurface utility designating, and surveys in support of QL B, C, and D subsurface utility designating for approximately 13 miles of roadway.

Firm employed by: NTB Associates, Inc.	
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).
07/16 – 03/17	<b>DOTD Bayou Fountain, Route LA 327 Spur (Gardere Lane) East Baton Rouge Parish, LA (4400006527 &amp; H.002337.5)</b> Survey Project Manager directed field crews, file processing, drafting, and submittals for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, surveys in support of QL B, C, and D subsurface utility designating, and drainage map preparation for roadway rehabilitation.
05/16 – 06/18	<b>DOTD LA 675 &amp; LA 87 Improvements in New Iberia, Iberia Parish, LA (4400002562 &amp; 4400006814)</b> Survey Project Manager directed field crews, file processing, drafting, and submittals for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, and surveys in support of QL A, B, C, and D subsurface utility designating/locating for drainage rehabilitation.
11/15 – 05/17	<b>Bossier Parish Police Jury, Winfield Road Extension, East/West (LA 3 to Airline Highway) Bossier Parish, LA (DEC 15-11-03)</b> Quality Control Surveyor assisted in staffing, coordination, and QA/QC for control surveys, topographic surveys, property surveys, right-of-way mapping, QL D subsurface utility services, and drainage map preparation as a sub to Denmon (Volkert). This Bossier Parish Roadway Design Project was the first mile of the exact same route as advertised for this DOTD advertisement.
05/15 – 12/20	<b>City of Bossier, Walter O. Bigby Carriageway (N. Pkwy Ext.) Bossier Parish, LA (City Proj. No. 8-15)</b> Quality Control Surveyor supervised south LA field crews and technicians for topographic, Static GPS Control, property, and hydrographic surveying services, and QL A, B, C, and D subsurface utility designation/locating.
04/15 – 09/15	<b>DOTD LA 3094: Hearne Ave. Bridge Rehab, Route LA 3094, Caddo Parish, LA (4400001798 &amp; H.011094.5)</b> Quality Control Surveyor assisted in staffing, coordination, and QA/QC for topographic surveying services, HDS 3D Terrestrial Laser Scanning, drainage map preparation, and QL B subsurface utility designating for bridge rehabilitation.
04/15 – 02/16	<b>DOTD I-20 (Airline Drive to I-220) Route I-20, Bossier Parish, LA (4400005532 &amp; H.011319.5)</b> Asst. Project Manager supervised south LA crew members and technicians for topographic surveying services and surveys in support of QL B, C, and D subsurface utility designating.
02/15 – 12/15	<b>DOTD Caddo Lake Bridge, Route LA 1 Caddo Parish, LA (H.01166.5)</b> Quality Control Surveyor assisted in staffing, coordination, and QA/QC for topographic surveys performed along a portion of the existing route of LA Hwy. 1 for a proposed bridge replacement at the intersection of Caddo Lake and LA Hwy. 1 in Caddo Parish east of Mooringsport.
05/13 – 10/15	<b>Bossier Parish Police Jury, Kingston Road Improvements and Development, Bossier Parish, LA (Agency Proj. No. Unknown)</b> Quality Control Surveyor assisted in staffing, coordination, and QA/QC for topographic surveys, property surveys, final right-of-way mapping, and drainage map preparation for the use in engineering plan and specifications.
07/12 – 01/14	<b>DOTD I-10 Loyola Ave. to Williams Blvd., Jefferson Parish, LA (H.003074.5 &amp; H.009087.5)</b> Project Manager directed field crews, file processing, drafting, and submittals for topographic surveying services as a sub-consultant to GEC, Inc.
03/12 – 08/13	<b>Bossier Parish Police Jury, Sligo Road Extension, Bossier Parish, LA (Agency Proj. No. Unknown)</b> Quality Control Surveyor assisted in staffing, coordination, and QA/QC for topographic surveys, DTM Modeling, and point file generation for the extension design covering 5.5 miles of roadway as a sub to Denmon (Volkert).
07/10 – 10/12	<b>DOTD LA 42 Widening and Improvements District 61, Ascension Parish, LA (700-03-0125 &amp; 701-65-1538)</b> Project Surveyor directed topographic and property surveys and title work to locate all existing structures within 50 feet of proposed right-of-way. Bryan also managed the preparation of base and final right-of-way acquisition maps.

Firm employed by: NTB Associates, Inc.

**Mike King, PLS**

Survey

Years of relevant experience with this employer 17

Years of relevant experience with other employer(s) 2

Degree(s) / Years / Specialization B.S. / 2012 / Construction Management, Louisiana State University

Year registered 2009

Active registration number / state / expiration date 5127 / Louisiana / 12/31/2024

Discipline Survey

Contract role(s) / brief description of responsibilities:

Mr. Mike King, PLS will serve as NTBA Assistant Survey Project Manager for topographic surveys during this contract. He will assist Bryan Bunch with the supervision and management of field crews, file processing, drafting, and submittals.

Experience dates  
(mm/yy-mm/yy)

Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).

01/23 - 08/23

**Jimmie Davis Bridge (LA 511) Design-Build, Bossier & Caddo Parishes, LA (H.001779)** Assistant Project Manager assisting in the management of field crews and technicians for Static GPS Control, topographic surveys, property surveys, right-of-way mapping, QL A, B, C, & D utility designating, and utility coordination services for the design-build project to replace the Jimmy Davis Bridge across the Red River.

04/22 - 04/23

**DOTD Monkhouse to I-49, Caddo Parish, LA (4400017713)** Assistant Project Manager assisting in the management of field crews and technicians for Static GPS Control, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, QL C & D subsurface utility services, drainage map preparation, and Mobile Laser Scanning for interstate rehabilitation.

08/21 - 08/23

**DOTD Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (4400019337)** Assistant Project Manager assisting in the management of field crews and technicians for Static GPS Control, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, property surveys, right-of-way mapping, and QL C & D subsurface utility services for 34 bridge and culvert replacements as a sub-consultant to BKL.

04/21 - 09/23

**DOTD Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (4400019338)** Assistant Project Manager assisting in the management of field crews and technicians for Static GPS Control, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, property surveys, right-of-way mapping, and QL C & D subsurface utility services for 21 bridge and culvert replacements as a sub-consultant to Sigma.

03/21 - 03/22

**City of Baton Rouge/East Baton Rouge Parish, MOVEBR Bluebonnet Blvd. (Perkins - Picardy)** East Baton Rouge Parish, LA (19-CP-HC-0034) Quality Control Surveyor reviewed and processed data for topographic surveys and surveys in support of QL A, B, C, and D utility designating/locating throughout the approximately 1.5 miles of the project corridor.

12/20 - 03/22

**DOTD LA 47 IW60 Bridge Rehabilitation, Historic Bridge Improvement (HBI), Orleans Parish, LA (4400017713)** Survey Project Manager directed field crews, file processing, drafting, and submittals for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection and surveys in support of QL C & D subsurface utility services.

12/17 - 07/20

**DOTD I-10: LA 415 to Essen Lane on I-10 and I-12, West & East Baton Rouge Parishes, LA (H.004100.5)** Survey Project Manager directing field crews, file processing, drafting, and submittals topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, QL B, C, and D subsurface utility designating, and surveys in support of QL B, C, and D subsurface utility designating for approximately 13 miles of roadway.

Firm employed by: NTB Associates, Inc.	
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).
07/16 – 03/17	<b>DOTD Bayou Fountain, Route LA 327 Spur (Gardere Lane) East Baton Rouge Parish, LA (4400006527 &amp; H.002337.5)</b> Assistant Project Manager assisted in the management of survey crews and technicians for topographic surveying services.
05/16 – 12/16	<b>DOTD I-110: Interchange Modifications, East Baton Rouge Parish, LA (4400006527 &amp; H.012422.5)</b> Asst. Project Manager assisted in the management of crews, processing, and drafting for topographic surveying services.
12/15 – 06/17	<b>DOTD Cotton to Silo Bridge Replacement, St. Mary Parish, LA (4400003592 &amp; H.001723.5)</b> Assistant Project Manager assisted in the management of survey crews and technicians for topographic surveying services as a sub-consultant to Denmon (Volkert).
04/15 – 02/16	<b>DOTD I-20 (Airline Drive to I-220) Bossier Parish, LA (4400005532 &amp; H.011319.5)</b> Quality Control Surveyor reviewed data and drafting for topographic surveying services for interstate rehabilitation.
10/15 – 12/15	<b>DOTD Caddo Lake Bridge, Route LA 1 Caddo Parish, LA (H.01166.5)</b> Quality Control Surveyor reviewed data and drafting for topographic surveys performed along a portion of the existing route of LA Hwy. 1 for a proposed bridge replacement at the intersection of Caddo Lake and LA Hwy. 1 in Caddo Parish east of Mooringsport.
05/15 – 12/20	<b>City of Bossier, Walter O. Bigby Carriageway (N. Pkwy Ext.) Bossier Parish, LA (City Proj. No. 8-15)</b> Quality Control Surveyor supervised south LA field crews and technicians for topographic, Static GPS Control, property, and hydrographic surveying services, and QL A, B, C, and D subsurface utility designation/locating.
04/15 – 09/15	<b>DOTD LA 3094: Hearne Ave. Bridge Rehab, Route LA 3094, Caddo Parish, LA (4400001798 &amp; H.011094.5)</b> Quality Control Surveyor reviewed data and drafting for topographic surveying services utilizing HDS 3D Terrestrial Laser Scanning methods of data collection for bridge rehabilitation.
02/14 – 03/15	<b>DOTD Earhart Expressway Extension to US 61, Route LA 3139, Jefferson Parish, LA (H.004367.5)</b> Sr. Survey Party Chief/Tech. managed a survey crew and processed data for topographic surveying services utilizing HDS 3D Terrestrial Laser Scanning methods of data collection as a sub-consultant to AECOM.
05/13 – 10/15	<b>Bossier Parish Police Jury, Kingston Road Improvements and Development, Bossier Parish, LA (Proj. No. Unknown)</b> Sr. Party Chief/ Technician ran a field crew and downloaded data for topographic surveys, property surveys, final right-of-way mapping, and drainage map preparation for the use in engineering plan and specifications.
07/12 – 01/14	<b>DOTD I-10 Loyola Ave. to Williams Blvd., Jefferson Parish, LA (H.003074.5 &amp; H.009087.5)</b> Sr. Survey Party Chief/Tech. ran a field crew and processed data for topographic surveying services as a sub-consultant to GEC, Inc.
03/12 – 08/13	<b>Bossier Parish Police Jury, Sligo Road Extension, Bossier Parish, LA (Agency Proj. No. Unknown)</b> Sr. Party Chief/ Technician ran a field crew and downloaded data for topographic surveys, DTM Modeling, and point file generation for the extension design covering 5.5 miles of roadway as a sub to Denmon (Volkert). Utility information was also gathered along the route from One Call ticket information and contact with utility companies.
02/11 – 08/11	<b>DOTD I-20 Rehabilitation Westerfield Avenue to Industrial Drive, District 04, Bossier Parish, LA (H.003860.5 &amp; 700-99-0525)</b> Survey Party Chief/ Technician ran a field crew and processed data for topographic surveys, HDS 3D Terrestrial Laser Scanning, and surveys in support of QL B, C, and D subsurface utility designating. for interstate rehabilitation.
09/09 – 03/10	<b>DOTD Lawrence, Bogalusa, and Coburn Creek Bridges, Route LA 10, Washington Parish, LA (700-99-0484 &amp; 701-65-1347)</b> Survey Party Chief/ Technician ran a field crew and processed data for topographic and property surveys in support of title work, title updates, title take-offs, and right-of-way map preparation.

Firm employed by: NTB Associates, Inc.

**Grant Gilleon, PLS**

Survey

Years of relevant experience with this employer

15

Years of relevant experience with other employer(s)

20

Degree(s) / Years / Specialization

B.S. / 1987 / Construction Engineering Technology, University of Southern Mississippi

Year registered

2007

Active registration number / state / expiration date

4976 / Louisiana / 03/31/2024

Discipline

Survey

Contract role(s) / brief description of responsibilities:

Mr. Grant Gilleon, PLS will serve as NTBA Quality Control Surveyor for topographic surveys during this contract. He will assist in the management of field crews, processing, and drafting.

Experience dates  
(mm/yy-mm/yy)

Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).

01/23 - 08/23

**Jimmie Davis Bridge (LA 511) Design-Build, Bossier & Caddo Parishes, LA (H.001779)** Quality Control Surveyor assisting in staffing and coordination for Static GPS control surveys, property surveying service, title takeoffs, legal description preparation, and right-of-way mapping for the design-build project to replace the Jimmy Davis Bridge across the Red River as a sub-consultant to James Construction.

08/22 - 08/23

**CenterPoint Surveying Services, Various Parishes, LA (Agency Proj. Nos. Unknown)** Project Manager directing field crews and technicians for property surveys and topographic surveys, title takeoffs, boundary and right-of-way calculations, CADD drawings, and plats.

04/21 - 08/23

**DOTD Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (4400019338)** Quality Control Surveyor assisting in staffing and coordination for Static GPS Control, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, property surveys, right-of-way mapping, and QL C & D subsurface utility services for 21 bridge and culvert replacements as a sub-consultant to Sigma.

04/22 - 04/23

**DOTD Monkhouse to I-49, Caddo Parish, LA (4400017713)** Quality Control Surveyor reviewing data and deliverables for Static GPS Control, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, QL C & D subsurface utility services, drainage map preparation, and Mobile Laser Scanning for interstate rehabilitation.

08/22 - 10/22

**CenterPoint LA 1 Easement Staking & SUE Services, Caddo Parish, LA (CP 101783539)** Project Manager directed field crews, file processing, drafting, and submittals for surveying services and surveys in support of QL B designating services for approximately 1.5 miles along LA 1 in Shreveport near the Red River Port from south of Doug Attaway Blvd. to Tones Bayou Road.

12/20 - 03/22

**DOTD LA 47 IW60 Bridge Rehabilitation, Historic Bridge Improvement (HBI), Orleans Parish, LA (4400017713)** Quality Control Surveyor assisted in the management of field crews and technicians for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, Static GPS Control, hydrographic surveys, and QL C & D subsurface utility services for bridge repair/rehabilitation.

05/21 - 12/21

**Bossier Parish Police Jury, Linton Road Cutoff Intersection Redesign, Bossier Parish, LA (BPPJ 2021-126)** Project Manager directed field crews for control surveys,

Firm employed by: NTB Associates, Inc.

Experience dates  
(mm/yy-mm/yy)

Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).

	topographic surveys, and property surveys in support of an evaluation to improve the intersection and produce a preliminary layout for a new intersection design.
12/17 – 07/20	<b>DOTD I-10: LA 415 to Essen Lane on I-10 and I-12, West &amp; East Baton Rouge Parishes, LA (H.004100.5)</b> Assistant Project Manager assisted in staffing and coordination for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, QL B, C, and D subsurface utility designating, and surveys in support of QL B, C, and D subsurface utility designating for approximately 13 miles of roadway.
11/15 – 05/17	<b>Bossier Parish Police Jury, Winfield Road Extension, East/West (LA 3 to Airline Highway) Bossier Parish, LA (DEC 15-11-03)</b> Project Manager directed field crews, file processing, drafting, and submittals for control surveys, topographic surveys, property surveys, right-of-way mapping, QL D subsurface utility services, and drainage map preparation as a sub to Denmon (Volkert). This Bossier Parish Roadway Design Project was the first mile of the exact same route as advertised for this DOTD advertisement.
04/15 – 02/16	<b>DOTD I-20 (Airline Drive to I-220) Route I-20, Bossier Parish, LA (4400005532 &amp; H.011319.5)</b> Project Manager directed field crews, file processing, drafting, and submittals for topographic surveying services and surveys in support of QL B, C, and D subsurface utility designating for interstate rehabilitation.
10/15 – 12/15	<b>DOTD Caddo Lake Bridge, Route LA 1 Caddo Parish, LA (H.01166.5)</b> Project Manager directed field crews, file processing, drafting, and submittals for topographic surveys performed along a portion of the existing route of LA Hwy. 1 for a proposed bridge replacement at the intersection of Caddo Lake and LA Hwy. 1 in Caddo Parish east of Mooringsport.
05/15 – 08/23	<b>City of Bossier, Walter O. Bigby Carriageway (N. Pkwy Ext.) Bossier Parish, LA (City Proj. No. 8-15)</b> Project Manager directing field crews, file processing, drafting, and submittals for topographic, Static GPS Control, property, hydrographic surveying services, and QL A, B, C, and D subsurface utility designation/locating for a parkway facility design featuring new roads, additional lanes, roundabouts, and a bridge. Currently, in the construction management support phase and addressing RFI's as needed.
04/15 – 09/15	<b>DOTD LA 3094: Hearne Ave. Bridge Rehab, Route LA 3094, Caddo Parish, LA (4400001798 &amp; H.011094.5)</b> Project Manager directed field crews, file processing, drafting, and submittals for topographic surveying services, HDS 3D Terrestrial Laser Scanning, drainage map preparation, and QL B subsurface utility designating for bridge rehabilitation.
05/13 – 10/15	<b>Bossier Parish Police Jury, Kingston Road Improvements and Development, Bossier Parish, LA (Agency Proj. No. Unknown)</b> Project Manager directed field crews, file processing, drafting, and submittals for topographic surveys, property surveys, final right-of-way mapping, and drainage map preparation for the use in engineering plan and specifications.
03/12 – 08/13	<b>Bossier Parish Police Jury, Sligo Road Extension, Bossier Parish, LA (Agency Proj. No. Unknown)</b> Project Manager directed field crews, file processing, drafting, and submittals for topographic surveys, DTM Modeling, and point file generation for the extension design covering 5.5 miles of roadway as a sub to Denmon (Volkert). Utility information was also gathered along the route from One Call ticket information and contact with utility companies.
06/13 – 06/13	<b>DOTD Westerfield at I-20 Locating Utilities, Bossier Parish, LA (H.003263)</b> Project Manager directed field crews, file processing, drafting, and submittals for topographic surveying services and surveys in support of QL A subsurface utility locating for interstate rehabilitation.
12/12 – 12/12	<b>DOTD I-49 Survey Subsurface Utilities, Caddo Parish, LA (H.00388.5)</b> Project Manager directed field crews, file processing, drafting, and submittals for topographic surveying services and surveys in support of QL A subsurface utility locating for interstate rehabilitation.

Firm employed by: NTB Associates, Inc.

**Amy Schulze, PE, CFM**

Engineer

Years of relevant experience with this employer

5

Years of relevant experience with other employer(s)

20

Degree(s) / Years / Specialization

B.S. / 1988 / Civil Engineering, Ohio Northern University

Year registered

2002

Active registration number / state / expiration date

4976 / Louisiana / 03/31/2024  
CFM National Certification: US-16-08839 / Electro-Magnetic Locating Instruments Certified / Certificate of Locating Competency #WA2028 (Staking University)

Discipline

Civil

Contract role(s) / brief description of responsibilities:

Mrs. Amy Schulze, PE, CFM will serve as NTBA Project Engineer for SUE Services during this contract. She will supervise and manage all subsurface utility engineering services.

Experience dates  
(mm/yy-mm/yy)

Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).

01/23 - 08/23

**Jimmie Davis Bridge (LA 511) Design-Build, Bossier & Caddo Parishes, LA (H.001779)** SUE Project Manager for QL A, B, C, & D subsurface utility designating/locating and utility coordination services for the design-build project to replace the Jimmy Davis Bridge across the Red River.

08/22 - 10/22

**CenterPoint LA 1 Easement Staking & SUE Services, Caddo Parish, LA (CP 101783539)** SUE Project Manager for QL B designating services for approximately 1.5 miles along LA 1 near the Red River Port for CenterPoint facilities as well as all other utilities within 15 feet of the CenterPoint facilities or crossing their facilities to assist with the design of a new gas line within their existing servitude.

04/22 - 04/23

**DOTD Monkhouse to I-49, Caddo Parish, LA (4400017713)** SUE Project Manager for QL C & D subsurface utility services for interstate rehabilitation.

03/22 - 03/22

**City-Parish Ward Creek at Siegen Lane, East Baton Rouge Parish, LA (22-DR-US-0013)** SUE Project Manager for QL B, C, and D subsurface utility designating for approximately 1,500 feet of Ward Creek.

01/19 - 09/23

**DOTD IDIQ Contract for SUE Services - Task Orders No. 1 - 4, East Baton Rouge, LA (4400014660)** SUE Project Manager for QL B subsurface utility designating for several additional areas around the I-10 corridor in conjunction with the on-going design-build contract.

08/21 - 09/23

**DOTD Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (4400019337)** SUE Project Manager for QL C & D subsurface utility services for 34 bridge and culvert replacements as a sub-consultant to BKL.

04/21 - 09/23

**DOTD Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (4400019338)** SUE Project Manager for QL C & D subsurface utility services for 21 bridge and culvert replacements as a sub-consultant to Sigma.

07/21 - 12/21

**Bossier Parish Police Jury, Linton Road Cutoff Intersection Redesign, Bossier Parish, LA (BPPJ 2021-126)** Project Engineer evaluated options to improve the intersection including QL C subsurface utility services to produce a preliminary layout for a new intersection design.

04/18 - 12/20

**City of Bossier, Walter O. Bigby Carriageway (N. Pkwy Ext.) Bossier Parish, LA (City Proj. No. 8-15)** SUE Project Manager for QL A, B, C, and D subsurface utility designating/locating in support of surveys and right-of-way mapping.

Prime consultant name: Volkert, Inc.





Firm employed by: NTB Associates, Inc.

Experience dates  
(mm/yy-mm/yy)

Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).

04/18 – 07/20

**DOTD I-10: LA 415 to Essen Lane, West & East Baton Rouge Parishes, LA (H.004100.5)** SUE Project Manager for QL B, C, and D subsurface utility designating and surveys in support of QL B, C, and D subsurface utility designating for approximately 13 miles of roadway.

12/18 – 01/20

**DOTD LA 951: Roadway Washout Repairs, East Feliciana Parish, LA (H.013643)** SUE Project Manager for QL A, B, C, and D subsurface utility designating/locating and surveys in support of QL A, B, C, and D subsurface utility designating/locating for approximately 2,600 feet of roadway.

06/18 – 10/18

**DOTD I-10: Williams Blvd. to Veterans Blvd., Jefferson Parish, LA (H.003074.5 & H.009087.5)** SUE Project Manager for QL B, C, and D subsurface utility designating as well as for surveys in support of QL A, B, C, and D subsurface utility designating/locating.

Firm employed by: NTB Associates, Inc.

**T.J. Sitton**

Survey

Years of relevant experience with this employer 13

Years of relevant experience with other employer(s) 3

Degree(s) / Years / Specialization A.S. / 2005 / Drafting and Design Technology, Louisiana Technical College  
Leica's LIDAR Scanning Courses and Cyclone Software Courses, 2013

Year registered n/a

Active registration number / state / expiration date n/a

Discipline n/a

Contract role(s) / brief description of responsibilities:

Ms. T.J. Sitton will serve as an NTBA Technician during this contract. She will process field data for topographic surveys & HDS 3D Terrestrial Laser Scanning.

Experience dates  
(mm/yy-mm/yy)

Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).

02/23 - 08/23

**I-10/ I-110 SUE Services, East Baton Rouge Parish, LA (Task Order No. 4) (4400014660)** Technician processing field data for topographic surveys and QL B subsurface utility services for additional areas around and below the I-10 and I-110 flyover interchange including plan preparation

01/23 - 08/23

**Jimmie Davis Bridge (LA 511) Design-Build, Bossier & Caddo Parishes, LA (H.001779)** Technician processing data and drafting files for Static GPS Control, topographic surveys, property surveys, right-of-way mapping, QL A, B, C, & D utility designating/locating, and utility coordination services for the design-build project to replace the Jimmy Davis Bridge across the Red River.

04/22 - 04/23

**DOTD Monkhouse to I-49, Caddo Parish, LA (4400017713)** Technician processing data and drafting files for Static GPS Control, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, QL C & D subsurface utility services, drainage map preparation, and Mobile Laser Scanning for interstate rehabilitation.

08/21 - 08/23

**DOTD Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (4400019337)** Technician processing data and drafting files for Static GPS Control, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, property surveys, right-of-way mapping, and QL C & D subsurface utility services for 34 bridge and culvert replacements as a sub-consultant to BKI.

04/21 - 08/23

**DOTD Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (4400019338)** Technician processing data and drafting files for Static GPS Control, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, property surveys, right-of-way mapping, and QL C & D subsurface utility services for 21 bridge and culvert replacements as a sub-consultant to Sigma.

08/21 - 08/21

**Bossier Parish Police Jury, Linton Road Cutoff Intersection Redesign, Bossier Parish, LA (BPPJ 2021-126)** Technician processed data for control surveys, topographic surveys, property surveys, and QL C subsurface utility services to produce the preliminary design for a new intersection.

07/19 - 02/20

**DOTD I-10: Loyola Interchange, Kenner, Jefferson Parish, LA (H.011670)** Technician processed field data for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection for interstate rehabilitation as a sub-consultant to Forte & Tablada, Inc.

06/18 - 10/18

**DOTD I-10: Williams Blvd. to Veterans Blvd., Jefferson Parish, LA (H.003074.5 & H.009087.5)** Technician processed field data for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection for interstate rehabilitation as a sub-consultant to GEC.

Prime consultant name: Volkert, Inc.

**VOLKERT**

Firm employed by: NTB Associates, Inc.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).
06/18 – 10/18	<b>DOTD I-10: Williams Blvd. to Veterans Blvd., Jefferson Parish, LA (H.003074.5 &amp; H.009087.5)</b> Technician processed field data for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection for interstate rehabilitation as a sub-consultant to GEC.
12/17 – 07/20	<b>DOTD I-10: LA 415 to Essen Lane on I-10 and I-12, West &amp; East Baton Rouge Parishes, LA (H.004100.5)</b> Technician processed field data for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, QL B, C, and D subsurface utility designating, and surveys in support of QL B, C, and D subsurface utility designating for approximately 13 miles of roadway.
07/16 – 03/17	<b>DOTD Bayou Fountain, Route LA 327 Spur (Gardere Lane) East Baton Rouge Parish, LA (4400006527 &amp; H.002337.5)</b> Technician processed data and drafted files for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, surveys in support of QL B, C, and D subsurface utility designating, and drainage map preparation for roadway rehabilitation.
10/15 – 07/16	<b>DOTD MacArthur Interchange Completion (Phase II) Route US 90-Z, Jefferson Parish, LA (4400005142 &amp; H.011309.5)</b> Technician processed data for topographic surveys and surveys in support of QL A, B, C, & D subsurface utility designating/locating as a sub-consultant to SDR Engineering.
05/15 – 12/20	<b>City of Bossier, Walter O. Bigby Carriageway (N. Pkwy Ext.) Bossier Parish, LA (City Proj. No. 8-15)</b> Technician processed field data for topographic and property surveys along with surveys in support of QL B, C, and D subsurface utility designating.
04/15 – 02/16	<b>DOTD I-20 (Airline Drive to I-220) Route I-20, Bossier Parish, LA (4400005532 &amp; H.011319.5)</b> Technician processed field data for topographic surveys and surveys in support of QL B, C, and D subsurface utility designating along the I-20 corridor as marked in the field by SUE contractor.
04/15 – 09/15	<b>DOTD LA 3094: Hearne Ave. Bridge Rehab, Route LA 3094, Caddo Parish, LA (4400001798 &amp; H.011094.5)</b> Project Manager directed field crews, file processing, drafting, and submittals for topographic surveying services, HDS 3D Terrestrial Laser Scanning, drainage map preparation, and QL B subsurface utility designating for bridge rehabilitation.
02/14 – 03/15	<b>DOTD Earhart Expressway Extension to US 61, Route LA 3139, Jefferson Parish, LA (H.004367.5)</b> CADD Tech. processed field data for topographic surveys as a sub-consultant to AECOM.
05/13 – 10/15	<b>Bossier Parish Police Jury, Kingston Road Improvements and Development, Bossier Parish, LA (Agency Proj. No. Unknown)</b> Technician processed data and drafted files for topographic surveys, property surveys, final right-of-way mapping, and drainage map preparation for the use in engineering plan and specifications.
03/12 – 08/13	<b>Bossier Parish Police Jury, Sligo Road Extension, Bossier Parish, LA (Agency Proj. No. Unknown)</b> Technician processed data for topographic surveys, DTM Modeling, and point file generation for the extension design covering 5.5 miles of roadway as a sub to Denmon (Volkert). Utility information was also gathered along the route from One Call ticket information and contact with utility companies.
01/12 – 04/12	<b>DOTD I-12 Walker to Satsuma, Livingston Parish, LA (4400001798 &amp; H.009836.5)</b> Technician processed field data for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection for interstate rehabilitation.
02/11 – 08/11	<b>DOTD I-20 Rehabilitation Westerfield Avenue to Industrial Drive, District 04, Bossier Parish, LA (H.003860.5 &amp; 700-99-0525)</b> Technician processed field data for topographic surveys, HDS 3D Terrestrial Laser Scanning, and surveys in support of QL B, C, and D subsurface utility designating.

Firm employed by: NTB Associates, Inc.

**William Offer, SIT**

Survey

Years of relevant experience with this employer 7

Years of relevant experience with other employer(s) 6

Degree(s) / Years / Specialization A.S. / Science in Surveying / Great Basin College of Nevada

Year registered 2022

Active registration number / state / expiration date 1110631 / TX / 05/09/2030

Discipline SIT

Contract role(s) / brief description of responsibilities:

Mr. William Offer will serve as an NTBA Survey Party Chief during this contract. He will oversee field crews and download and process data for topographic surveys.

Experience dates  
(mm/yy-mm/yy)

Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).

01/21 – 08/23

**Jimmie Davis Bridge (LA 511) Design-Build, Bossier & Caddo Parishes, LA (H.001779)** Survey Party Chief overseeing field crews and processing data for Static GPS Control, topographic surveys, property surveys, and surveys in support of QL A, B, C & D subsurface utility designating/ locating for the design-build project to replace the Jimmy Davis Bridge across the Red River.

01/23 – 08/23

**CenterPoint Energy Surveying Services, LA (Various CP Proj. Nos.)** Survey Party Chief overseeing a field crew and processing data for topographic surveys, property surveys, and right-of-way surveys for multiple project locations as a sub to JW Porter then as the prime to CenterPoint.

02/23 – 08/23

**DOTD Watershed Initiative (LWI) Modeling Contract – Region 1 (4400017067)** Survey Party Chief overseeing a field crew and processing data for topographic surveys for drainage basin modeling as a sub-consultant to Atkins.

04/22 – 04/23

**DOTD Monkhouse to I-49, Caddo Parish, LA (4400017713)** Survey Party Chief ran a field crew and downloaded data for topographic surveys and surveys in support of QL C & D subsurface utility services and drainage map preparation for interstate rehabilitation.

10/21 – 02/22

**DOTD LA 47 IW60 Bridge Rehabilitation, Historic Bridge Improvement (HBI), Orleans Parish, LA (4400017713)** Survey Party Chief ran a field crew and downloaded data for topographic surveys and surveys in support of QL C & D subsurface utility services for bridge repair/rehabilitation.

08/21 – 08/23

**DOTD Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (4400019337)** Survey Party Chief overseeing a field crew and processing data for topographic surveys, property surveys, and surveys in support of QL C & D subsurface utility services for 34 bridge and culvert replacements as a sub-consultant to BKL.

05/21 – 09/21

**Bossier Parish Police Jury, Linton Road Cutoff Intersection Redesign, Bossier Parish, LA (BPPJ 2021-126)** Survey Party Chief ran a field crew and downloaded data for control surveys, topographic surveys, and property surveys in support of an evaluation to improve the intersection and produce a preliminary layout for a new intersection design.

04/21 – 08/23

**DOTD Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (4400019338)** Survey Party Chief overseeing a field crew and processing data for topographic surveys, property surveys, and surveys in support of QL C & D subsurface utility services for 21 bridge and culvert replacements as a sub-consultant to Sigma.

04/21 – 04/21

**I-10/ I-110 SUE Services, East Baton Rouge Parish, LA (Task Order No. 1) (4400014660)** Survey Party Chief ran a field crew and downloaded data for topographic surveys and surveys in support of QL B subsurface utility designating for additional areas around and below the I-10 and I-110 flyover interchange including plan preparation.

Firm employed by: NTB Associates, Inc.

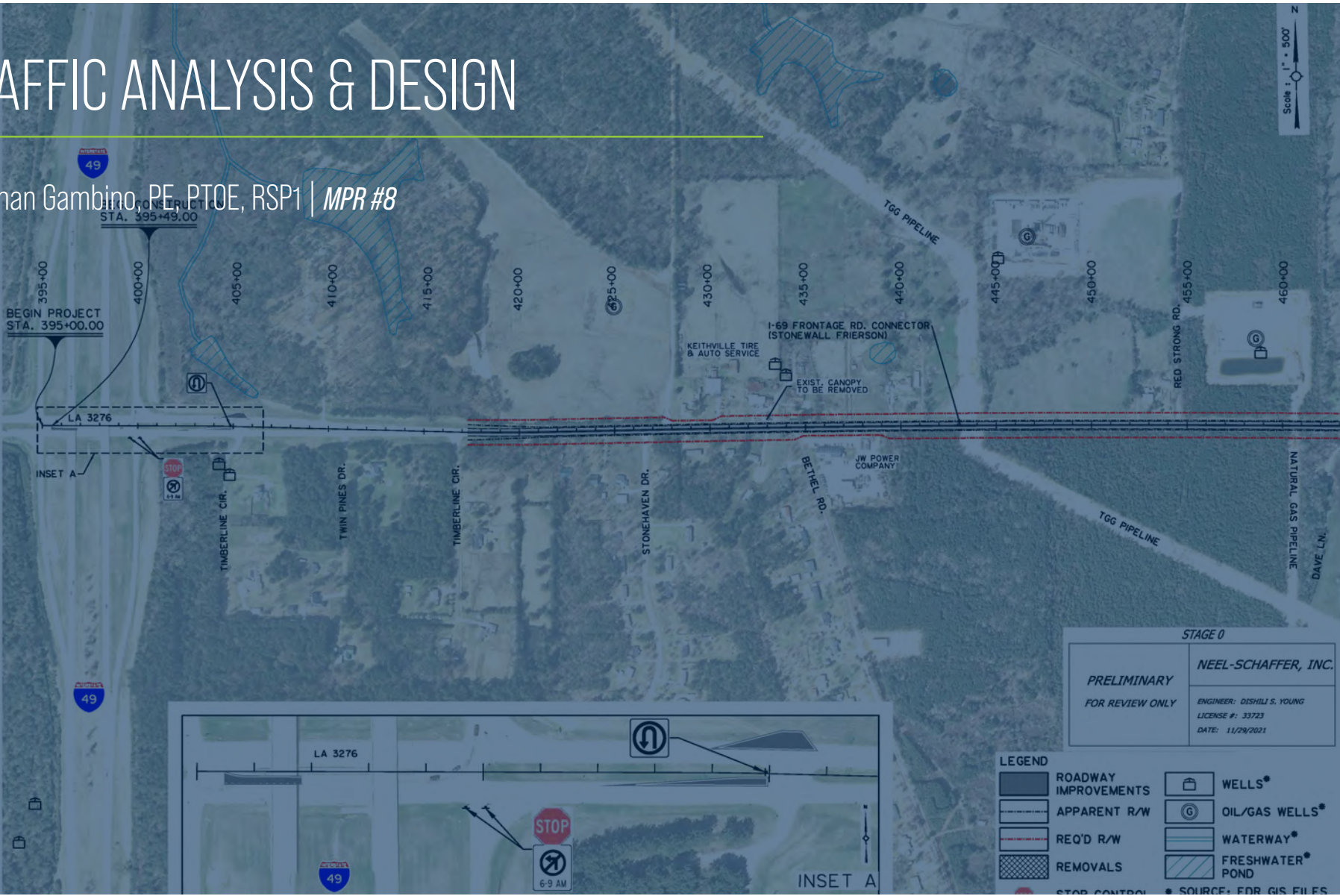
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).
03/19 – 10/19	<b>DOTD US 167, LA 2: Middle Slough &amp; Creek Bridges, Union Parish, LA (4400009385 &amp; H. 012037.5)</b> Survey Party Chief ran a field crew and downloaded data for topographic surveying services for bridge rehabilitation/design for two separate bridge site locations
12/17 – 07/20	<b>DOTD I-10: LA 415 to Essen Lane on I-10 and I-12, West &amp; East Baton Rouge Parishes, LA (H.004100.5)</b> Survey Party Chief overseeing a field crew and downloaded data for topographic surveys and surveys in support of QL C & D subsurface utility services for interstate rehabilitation.
02/17 – 08/19	<b>City of Shreveport, CD 1-105-108 Sewer Rehab, Caddo Parish, LA (Agency Proj. No. Unknown)</b> Survey Party Chief ran a field crew and downloaded data for topographic surveys for sewer rehabilitation.
12/17 – 05/19	<b>City of Shreveport, CD 1-121 Sewer Rehab, Caddo Parish, LA (Agency Proj. No. Unknown)</b> Survey Party Chief ran a field crew and downloaded data for topographic surveys for sewer rehabilitation.
12/17 – 10/18	<b>City of Shreveport, CD 126 Sewer Rehab, Caddo Parish, LA (Agency Proj. No. Unknown)</b> Survey Part Chief ran a field crew and downloaded data for topographic surveys for sewer rehabilitation.
10/17 – 02/18	<b>City of Shreveport, CD 1-103 Canal and Valley View Rehab, Caddo Parish, LA (Agency Proj. No. Unknown)</b> Survey Party Chief ran a field crew and downloaded data for topographic surveys for sewer rehabilitation.
08/17 – 12/17	<b>City of Shreveport, CD 142 Rehab Wallace &amp; W. 62nd, Caddo Parish, LA (Agency Proj. No. Unknown)</b> Survey Party Chief ran a field crew and downloaded data for topographic surveys for sewer rehabilitation.
04/17 – 10/17	<b>QC CD 1-102 Rehab Survey, City of Shreveport, LA (Agency Proj. No. Unknown)</b> Survey Party Chief ran a field crew and downloaded data for topographic surveys.
03/17 – 12/20	<b>City of Bossier, Walter O. Bigby Carriageway (N. Pkwy Ext.) Bossier Parish, LA (City Proj. No. 8-15)</b> Survey Party Chief ran a field crew and downloaded data for control surveys, topographic surveys, property surveys, and surveys in support of QL C & D subsurface utility services for a parkway facility design featuring new roads, additional lanes, roundabouts, and a bridge.
03/17 – 11/17	<b>CD 1-118 As-Built Survey, City of Shreveport, LA (Agency Proj. No. Unknown)</b> Survey Party Chief responsible for running a survey crew for topographic surveys.

11/29/2021 11:11

# TRAFFIC ANALYSIS & DESIGN

Jonathan Gambino, PE, PTOE, RSP1 | MPR #8

STAGE 0



BEGIN PROJECT STA. 395+00.00

CONSTRUCTION STA. 395+49.00

INSET A

LA 3276

TIMBERLINE CIR.

TWIN PINES DR.

TIMBERLINE CR.

STONEHAVEN DR.

BETHEL RD.

TGG PIPELINE

I-69 FRONTAGE RD. CONNECTOR (STONEWALL FRIERSON)

KEITHVILLE TIRE & AUTO SERVICE

EXIST. CANOPY TO BE REMOVED

JW POWER COMPANY

RED STRONG RD.

NATURAL GAS PIPELINE

DAVE LN.

Scale: 1" = 500'

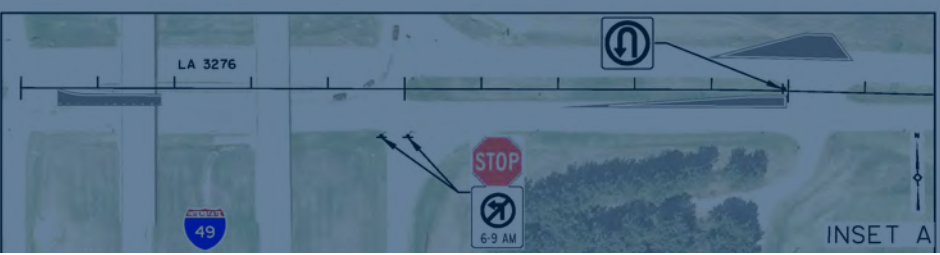
STAGE 0

PRELIMINARY FOR REVIEW ONLY

NEEL-SCHAFFER, INC.  
 ENGINEER: DISHLI S. YOUNG  
 LICENSE #: 33723  
 DATE: 11/29/2021

### LEGEND

- ROADWAY IMPROVEMENTS
- APPARENT R/W
- REQ'D R/W
- REMOVALS
- STOP CONTROL
- WELLS\*
- OIL/GAS WELLS\*
- WATERWAY\*
- FRESHWATER POND
- SOURCE: EDR GIS FILES



INSET A

ROUTE 2\_H\_014056\_1\_1.dgn

DESOTO  
 PARISH SECTION B16-11  
 DATE: 11/29/2021

CONCEPT LAYOUT ALTERNATE 2

Firm employed by: Volkert, Inc.

**Jonathan Gambino, PE, PTOE, RSP1**

Senior Project Engineer / Traffic

Years of relevant experience with this employer

2

Years of relevant experience with other employer(s)

8

Degree(s) / Years / Specialization

BS | 2012 | Civil Engineering

Year registered

2017

Active registration number / state / expiration date

41496 | LA | 9/30/2025

Discipline

Civil



Contract role(s) / brief description of responsibilities:

Mr. Gambino will serve as Senior Project Engineer for the duration of this contract. He will fulfill Minimum Personnel Requirement #8 for the duration of this project.

Experience dates  
(mm/yy-mm/yy)

Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).

Mr. Gambino joined Volkert in 2020 and has 10 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. Mr. Gambino's certifications include:

- ▼ PTOE (#4433)
- ▼ ATSSA Flagger Certification
- ▼ RSP1 (#587)
- ▼ ATSSA Traffic Control Technician Certification
- ▼ Traffic Engineering Analysis Process & Report, Module 1, 2, 3 (2019)

07/2021 - Ongoing

**IMR Highland Road to LA 73, East Baton Rouge and Ascension Parishes, DOTD** | 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 Rd interchange as well as any alternatives to improve Highland Rd. The goal of the project is 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.

02/2020 -11/2021

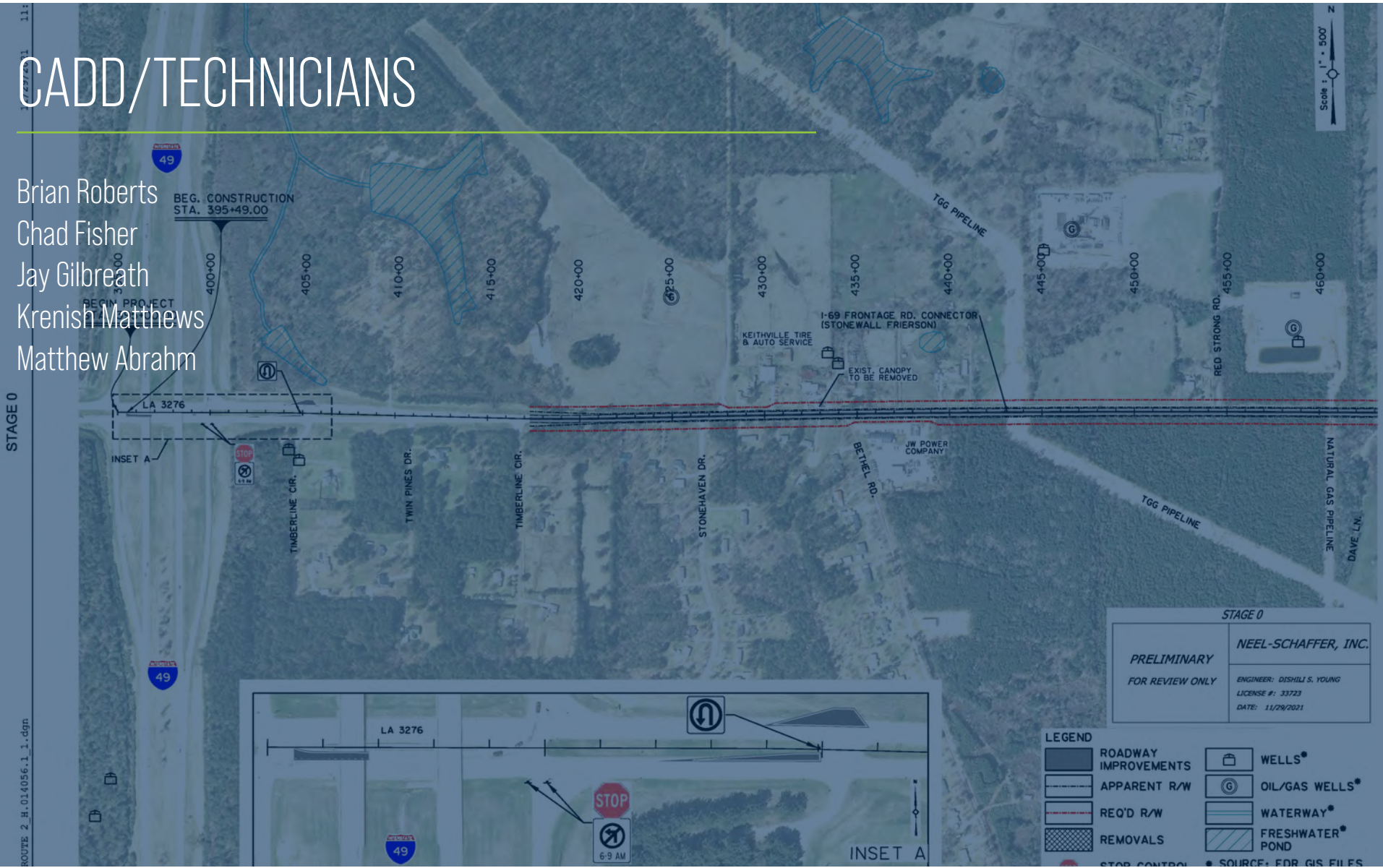
**Joe Sevario Road at LA 933 Roundabout, Ascension Parish, LA (sub to SJB Group, LLC for Ascension Parish)** | Mr. Gambino is serving as Traffic Engineer for this project. SJB provided civil engineering, survey, SUE services and Volkert provided engineering support including development of a traffic study and geometric layouts for this roundabout to alleviate congestion and delays along this corridor.

Firm employed by: Volkert, Inc.	
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).
2017 - 2021	<b>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 (DOTD)</b>   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.   SP No. 4400019680, S.P. No H.013897.
08/2017 - 02/2020	<b>Plank Road, East Baton Rouge Parish, LA (Baton Rouge Metropolitan Airport)</b>   Mr. Gambino served as Traffic Engineer for the design of Plank Road (the new alignment). This is project is to relocate Plank Road along a new alignment. The project includes ROW acquisition and all the design for a new 4 lane highway with J-turns. It also includes ROW acquisition and all the design for additional lanes along Harding and Hooper Road. It also includes a new lighting system and new signalized intersection. This project is an Airport project, funded by FAA, but the road will be transferred to DOTD.
06/2017 - 06/2018	<b>I-10 Widening Design/ Williams Blvd. Interchange to Veterans Blvd. Interchange</b>   Mr. Gambino served as Project Engineer. This project involved the widening of I-10 between the Williams Boulevard and Veterans Boulevard interchanges in Jefferson parish. The total project length was 1.85 Miles. The project consisted of constructing one 12’ additional lane with a 12’ inside shoulder along I-10 eastbound and westbound roadways with median barrier. Additionally, an auxiliary lane was added to the outside of the eastbound roadway from the entrance at Power Boulevard to the exit at Veterans Boulevard. As a part of this project, the existing bridges over Canal No. 3 and Veterans Boulevard were replaced, and sound barriers were constructed on the north side of the I-10 westbound bridges. Volkert was responsible for the development and road design, drainage design and Traffic Management Plans.
10/2015 - Ongoing	<b>MacArthur Interchange Completion Phase II, Jefferson Parish, LA (DOTD)</b>   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 has 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.   S.P. No. H.011309.
10/11 - 07/16	<b>Increase Capacity of I-10 from Bridge to I-10/I-12 Split</b>   Mr. Gambino was part of the team for preparing VISSIM models for the traffic study to assess the feasibility of improving safety and increasing the capacity on Interstate 10 (I-10) from LA 3064 (Essen Lane) to LA 415 (Lobdell Highway), Interstate 12 (I-12) from I-10 to LA 3064, and Interstate 110 (I-110) from I-10 to US 61 Business (Florida Boulevard) in Baton Rouge, Louisiana. The study includes the interchanges, merge and diverge ramp junctions, weaving segments, and the ramp intersections.



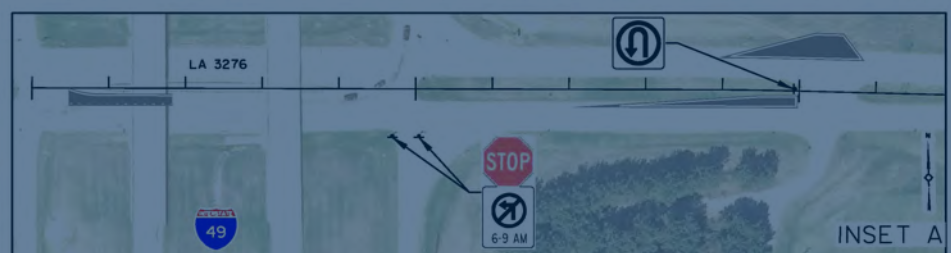
# CADD/TECHNICIANS

Brian Roberts  
 Chad Fisher  
 Jay Gilbreath  
 Krenish Matthews  
 Matthew Abraham



STAGE 0

ROUTE 2\_H\_0114056\_1\_1.dgn



STAGE 0

PRELIMINARY FOR REVIEW ONLY	<b>NEEL-SCHAFFER, INC.</b>  ENGINEER: DISHLLI S. YOUNG LICENSE #: 33723 DATE: 11/29/2021
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**LEGEND**

ROADWAY IMPROVEMENTS	OIL/GAS WELLS*
APPARENT R/W	WATERWAY*
REQ'D R/W	FRESHWATER POND
REMOVALS	STOP CONTROL
	* SOURCE: EDR GIS FILES

DESOTO	PARISH	SECTION	B16-11

CONCEPT LAYOUT  
ALTERNATE 2

Firm employed by: Volkert, Inc.

**Brian Roberts**

Technician

Years of relevant experience with this employer	6
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Years of relevant experience with other employer(s)	0
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Degree(s) / Years / Specialization	BS  2017   Civil Engineering
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Year registered	N/A
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Active registration number / state / expiration date	N/A
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Discipline	Technician
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Contract role(s) / brief description of responsibilities:  
Mr. Roberts will perform Technician services for the duration of this project.

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).
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Mr. Roberts has practiced in the field of Civil Engineering since 2017, working on all aspects of civil works projects. This includes planning, permitting, surveying, design, bidding and supervision of construction. Has currently helped or overseen residential developments, commercial site developments, water distribution expansions, water treatment facilities, sewer treatment facilities, commercial buildings, and sports complexes. Mr. Roberts has experience with AutoCAD, WaterCAD, and other computer aided design software. His project experience includes the design of water and wastewater infrastructure, the rehabilitation or modification to existing levee structures, and landfill permitting and closure. Mr. Roberts joined Volkert in August of 2021. His responsibilities include cost estimating, project design, project management and inspection, and application preparation. Mr. Roberts' training includes:

- ▼ AutoCAD
- ▼ WaterCAD

09/18 - Ongoing	<b>Manchac Consulting Group – Monroe Water Treatment Plant Expansion.</b> This project is currently under construction and includes the addition of an 8 MGD treatment train for additional capacity for the Monroe Water Treatment Plant. The civil portion of this project required the addition of a new access road, storm water design, raw water force main design, civil sitework, and three new 8 MGD booster pumps.
01/20 - Ongoing	<b>Manchac Consulting Group – 2020 Water System Improvements – City of Bossier.</b> This project consisted of replacing over 8,000 linear feet of water mains throughout the City of Bossier.
06/20 - Ongoing	<b>City of Monroe – Water System Improvements – Ruffin Drive.</b> The project required relocating an existing water main.
12/19 - 08/21	<b>East Carroll Parish Police Jury – 2018-2019 CWF Water System Improvements.</b> The project replaced over 1,500 linear feet of water mains.
08/18 - 07/20	<b>City of Monroe – Pargoud Street Lift Station Force Main Relocation.</b> The project involved relocating an existing sewer force main that ran parallel to the Ouachita River.
04/18 - 07/20	<b>L &amp; R Utilities – Lift Station Improvements – Pine Hills Subdivision.</b> This intent of this project was to remove the existing sewer treatment facility and divert all of the existing flow into a new lift station for the Pine Hills Subdivision. The new submersible lift station would then pump into the new sewer treatment facility.

Firm employed by: Volkert, Inc.

Experience dates  
(mm/yy-mm/yy)

Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).

05/16 - 08/18

**Village of East Hodge - 2016 LCDBG Water System Improvements.** This project included ground storage tank improvements, installing new gaseous chlorination equipment at both well sites, replacing the booster pumps, and miscellaneous civil sitework.

06/16 - 05/17

**Village of Pioneer - 2016 - LCDBG Sewer System Improvements.** This project involved rehabilitating three existing lift stations and replacing the pumps and motors.

04/16 - 09/17

**Village of Bonita - LCDBG Sewer Treatment Plant Improvements.** This project consisted of replacing sections of the levee system, aerators, electrical system, underdrain piping, chlorination equipment, and submersible pumps and motors.

Firm employed by: Volkert, Inc.

**Chad Fisher**

CADD Technician

Years of relevant experience with this employer

26

Years of relevant experience with other employer(s)

26

Degree(s) / Years / Specialization

Certificate |1995 |Drafting & Design Technology

Year registered

N/A

Active registration number / state / expiration date

N/A

Discipline

CADD Technician



Contract role(s) / brief description of responsibilities:

Mr. Fisher will perform CADD Technician services for the duration of this project.

Experience dates  
(mm/yy-mm/yy)

Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).

For 26 years, Mr. Fisher has been actively engaged in the field of civil design, cost estimates, manhour analysis, construction administration, construction inspection & drafting, especially as it relates to civil design projects. Mr. Fisher has used several Cad platforms and various design packages, such as Microstation V8i, Autocad 2018, Inroads V8i, Softdesk & Civil 3D. Mr. Fisher’s responsibilities include preparation of preliminary and final cost estimates, manhour analysis, construction inspection/supervision, design drawings including plan & profile sheets, typical sections, geometrics and special details, cross-sections, drainage maps, and right-of-maps. Mr. Fisher’s training includes:

- ▼ Applying Inroads Training Cert. – LSU Continuing Education Nov. 2007
- ▼ Advanced Inroads Training Cert. – LSU Continuing Education May 2010
- ▼ Advanced Inroads II Training Cert. – KSPE & ACEC Kentucky Dec. 2011

8/20 - 8/21

**Bossier Parish Proposed Street Improvements – Disaster Relief – 2016 Flood Event (Bossier Parish, LA).** Mr. Fisher worked directly with the Project Engineer to prepare preliminary and final drawings including plan & profile sheets, typical sections, using Microstation V8i, Autocad 2018 & Civil Packages. Prepared Preliminary & Final Cost estimates.

11/15 - 07/19

**La. 3249/Roundabout.** Work directly with the Project Engineer to prepare preliminary and final drawings including plan & profile sheets, typical sections, geometrics and special details, cross-sections, drainage maps, and right-of-maps using Microstation V8i & Civil Packages. Prepared Manhour Analysis, Preliminary & Final Cost estimates.

09/04 - 03/11 (20004)  
07/16 - 05/18 (2016)

**Bastrop City Streets – 2004, 2016.** Work directly with the Project Engineer to prepare preliminary and final drawings including plan & profile sheets, typical sections, geometrics and special details, cross-sections, drainage maps, sewer repair details and right-of-maps using Microstation J & V8i, Autocad & Civil Packages. Prepared Preliminary & Final Cost estimates. In charge of construction supervision and inspection for 2016 project.

03/01 - 04/16

**SPN 700-24-0087; FAP No. STPM-8456(002); Fink’s Hide A-Way Road (US 165 - Raymond Drive); Ouachita Parish.** Work directly with the Project Engineer and Inspectors to enter information into DOTD Site Manager Program. Produced final closeout documents.

Firm employed by: Volkert, Inc.	
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).
05/99 - 07/10	<b>Bridge Replacement (Winn Parish, LA).</b> Mr. Fisher worked directly with the Project Engineer to prepare preliminary and final drawings including plan & profile sheets, typical sections, geometrics and special details, cross-sections, drainage maps, and right-of-maps using Autocad R12 & Civil Packages.
12/98 - 08/07	<b>SPN 700-31-0110; Jct. US 80 - Jct. LA 150; Routes LA 818 &amp; LA 150; Lincoln Parish.</b> Work directly with the Project Engineer to prepare preliminary and final drawings including plan & profile sheets, typical sections, geometrics and special details, cross-sections, drainage maps, and right-of-maps using Microstation 95, Autocad R12 & Civil Packages.
02/99 - 09/10	<b>SPN 700-64-0102; FAP No. STP-591-1(008); Jct. US 84 - Jct. LA 126; Route LA 34; Winn Parish.</b> Work directly with the Project Engineer to prepare preliminary and final drawings including plan & profile sheets, typical sections, geometrics and special details, cross-sections, drainage maps, and right-of-maps using Microstation 95, Autocad R12 & Civil Packages.
01/04 - 11/09	<b>US. 167 - Dubach to Bernice.</b> Work directly with the Project Engineer to prepare preliminary and final drawings including plan & profile sheets, typical sections, geometrics and special details, cross-sections, drainage maps, and right-of-maps using Microstation J & Civil Packages.
12/98 - 08/07	<b>Jct. US 80 - Jct. LA 150; Routes LA 818 &amp; LA 150 (Lincoln Parish, LA).</b> Mr. Fisher worked directly with the Project Engineer to prepare metric preliminary and final drawings including plan & profile sheets, typical sections, geometrics and special details, cross-sections, drainage maps, and right-of-maps using Microstation 95, Autocad R12 & Civil Packages. Revised all plans to English measurement with Microstation J, Autocad 2000 & Civil Packages.
03/04 - 12/05	<b>Morehouse Memorial Airport - Taxiway Stubs for Hangars and Land Acquisition for Runway Extension (Bastrop, LA).</b> Mr. Fisher worked directly with the Project Engineer to prepare preliminary and final drawings including plan & profile sheets, typical sections, geometrics and special details, cross-sections, drainage maps, using Microstation J, Autocad & Civil Packages.

Firm employed by: Volkert, Inc.

**Jay Gilbreath**

CADD Technician

Years of relevant experience with this employer

2

Years of relevant experience with other employer(s)

25

Degree(s) / Years / Specialization

2-yr. Degree Certificate |1996| Drafting and Design Technology

Year registered

N/A

Active registration number / state / expiration date

N/A

Discipline

CADD Technician



Contract role(s) / brief description of responsibilities:

Mr. Gilbreath will perform CADD Technician services for the duration of this project.

Experience dates  
(mm/yy-mm/yy)

Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).

Mr. Gilbreath serves as a Senior Draftsman for Volkert's Monroe, LA office and has over 25 years of Drafting and Design experience ranging from civil, piping, structural, electrical, mechanical and 3D solid modeling disciplines, along with experience and knowledge of AutoCAD as far back as Release 11. His responsibilities range from preparation of all preliminary and final drawings including site plan sheets, plan & profile sheets, typical sections, geometrics, special details, cross-sections, elevations, drainage maps, isometrics and right-of-maps, archiving as-built drawings, creation and reproduction of published, signed and sealed engineering drawings, operation and maintenance of plotters, printers and scanners for drawings, management of office AutoCAD drafting standards and company title blocks, creation of AutoCAD linetypes, blocks and symbol libraries for company use, instruction and training of AutoCAD commands, functions, techniques in-office and lead Drafter for all major Monroe office engineering projects

09/22 - Ongoing

**Bossier Parish Police Jury – LCDBG Sewer System Improvements** – Drafted all engineering drawings for this project.

04/22 – 04/23

**Town of Rayville – Elevated Water Storage Tank Improvements** – Drafted all engineering drawings for this project.

01/21 - Ongoing

**Bossier Parish Police Jury – Proposed Street Improvements Disaster Relief – 2016 Flood Event** – Drafted all engineering drawings for this project.

09/22 - Ongoing

**Sterlington Sports Complex – Proposed Batting Facility** – Drafted all engineering drawings for this project.

08/19 - Ongoing

**Madison Parish Council on Aging – Proposed Building Improvements** – Drafted all engineering drawings for this project.

07/20 - Ongoing

**Bossier Parish Police Jury – North Area Phase II – Contract A, Contract B** – Drafted all engineering drawings for this project.

11/15 – 08/22

**Bossier Parish Police Jury – Wastewater Collection System, North Area, Phase 2** – Drafted all engineering drawings for this project.

11/21 - Ongoing

**Bossier Parish Police Jury – Wastewater Collection System – Hwy. 80, Hwy. 157 – Contract C** – Drafted all engineering drawings for this project.

09/18 - Ongoing

**Burns & McDonnell / Manchac Consulting Group (Sub-Contractor) – Monroe WTP Renovation and Expansion** – Drafted all engineering drawings for this project.

Firm employed by: Volkert, Inc.

**Krenish Matthews**

CADD Technician

Years of relevant experience with this employer 1

Years of relevant experience with other employer(s) 10

Degree(s) / Years / Specialization BS |2012 | Science of Engineering Drafting & Design

Year registered N/A

Active registration number / state / expiration date N/A

Discipline CADD Technician



Contract role(s) / brief description of responsibilities:  
Mr. Matthews will perform CADD Technician services for the duration of this project.

**Experience dates (mm/yy-mm/yy) Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).**

Mr. Matthews has practiced in the field of Civil Engineering since April of 2014. In that time Mr. Matthews has gained experience in design, surveying, planning, and bidding of various projects. He has helped with coordinating design systems, compile data, and perform dimensional and routine calculations required for the preparation of drawings. Mr. Matthews has experience with AutoCAD, as well as other computer aided design software. Mr. Matthews joined Volkert in October of 2021. His responsibilities include CAD workstation, project design, and assisting with any tasks necessary to the completion of a project.

12/21 - Ongoing **City of Bastrop - Street Improvements.** Resurfacing and Rebuilding of segments of Parkhurst Avenue, Colliers Lane, West Hickory Avenue, Briscoe Avenue, and Henry Avenue along with the incidental sewer systems. Drafted engineering drawings for this project.

07/20 - Ongoing **City of Bastrop - Street Improvements** - Drafted engineering drawings for this project.

01/21 - Ongoing **Bossier Parish Police Jury - Proposed Street Improvements Disaster Relief - 2016 Flood Event -** . Worked directly with the Project Engineer to prepare preliminary and final drawings including plan and profile sheets, typical sections, using Microstation V8i. Prepared Preliminary & Final Cost Estimates.

04/22 - Ongoing **Proposed Elevated Water Storage Tank Improvements, Town of Rayville, LA.** Project includes the surveying, permitting and design of repainting an existing potable elevated water storage tank. The project components include repainting a 500,000 gallon potable elevated storage tank, making improvements to the existing overflow drainage piping system and removing & replacing a defective 12” gate valve. Project included civil, hydraulic, sanitary, cad, environmental and cost estimating. Drafted engineering drawings for this project.

07/22 - Ongoing **Madison Parish Police Jury - Proposed Water Well for Walnut Bayou Water System - ARPA** - Drafted Engineering drawings for this project.

Firm employed by: Volkert, Inc.

**Matthew Abraham**

CADD Technician

Years of relevant experience with this employer <1

Years of relevant experience with other employer(s) 10

Degree(s) / Years / Specialization Certificate | 2012 | Drafting & Design Technology

Year registered N/A

Active registration number / state / expiration date N/A

Discipline CADD Technician



Contract role(s) / brief description of responsibilities:  
Mr. MAbraham will perform CADD Technician services for the duration of this project.

**Experience dates (mm/yy-mm/yy) Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).**

Mr. Abraham has over 10 years of Drafting experience.

03/17 - 03/21	<b>City of Monroe - Venable Lane Reconstruction</b> - Drafted engineering drawings for this project.
05/23 - Ongoing	<b>Louisiana Department of Wildlife and Fisheries - Wetlands Res. Restoration Engineer - James Dickson Easement</b> - Drafted engineering drawings for this project.
05/23 - Ongoing	<b>Louisiana Department of Wildlife and Fisheries - Wetlands Res. Restoration Engineer - Cleora Brake Easement</b> - Drafted engineering drawings for this project.
06/23 - Ongoing	<b>Louisiana Department of Wildlife and Fisheries - Wetlands Res. Restoration Engineer - Kyle Waldon Easement</b> - Drafted engineering drawings for this project.
05/23 - Ongoing	<b>Bossier Parish Police Jury - Sligo Rd. Ext. Imp - ART Overlay - Sta. 100+00 to 174+00</b> - Drafted engineering drawings for this project.
07/22 - Ongoing	<b>Biomedical Research and Innovation Park - Proposed Access Road and Site Development</b> - Drafted engineering drawings for this project.





**17. Firm Experience:**

Identify the team's project experience most relevant to the scope in the advertisement. The projects should be limited to a total of 20, with no more than 5 projects being represented by the prime consultant and with no more than 3 projects represented by each sub-consultant on the team. If more than 5 projects are identified for the prime consultant, all projects identified after the first 5 will not be evaluated. If more than 3 projects are identified for a single sub-consultant, all projects identified after the first 3 from that sub-consultant will not be evaluated. Include no more than one page per project. Projects identified shall only include work performed by firms on the team. The projects identified do not necessarily need to have been DOTD projects.

<b>Firm name</b>	Volkert, Inc.	<b>Past Performance Evaluation Discipline(s)*</b>	Survey
<b>Project name</b>	Surveying and Engineering Services, Bossier Parish East\ West (La. 3 To Airline Highway) Winfield Road Extension	<b>Firm responsibility (prime or sub?)</b>	Prime
<b>Project number</b>	n/a	<b>Owner's name</b>	Bossier Parish Police Jury
<b>Project location</b>	Bossier Parish, LA	<b>Owner's Project Manager</b>	Eric Hudson
<b>Owner's address, phone, email</b>	P.O. Box 70, Benton, LA 71005 (ehudson@bossierparishla.gov)		
<b>Services commenced by this firm (mm/yy)</b>	12/15	<b>Total consultant contract cost (\$1,000's)</b>	\$232.6
<b>Services completed by this firm (mm/yy)</b>	09/17	<b>Cost of consultant services provided by this firm (\$1,000's)</b>	\$232.6

The project consisted of providing all necessary administration, planning, engineering, and land surveying required for developing the Project to construct a new roadway from Benton Road to Airline Drive along alignment selected by Environmental Study accomplished by Bossier Parish Police Jury. The services for this project were divided into seven (7) phases, which Volkert was responsible for, as follows:

**Staff to be used in this proposal:**

- ▼ Randy Denmon, PE, PLS
- ▼ Steven Lengefeld
- ▼ Bryan Ardoin
- ▼ Benny Fox

- Phase I - Topographic Surveys & Drainage Map
- Phase II - ROW Surveys & Maps
- Phase III - Preliminary Plans sufficient to establish ROW
- Phase IV - Finalize Preliminary Plans
- Phase V - Final Plans
- Phase VI - Bid & Award
- Phase VII - Construction Supervision

Work included Topographic Surveys, ROW Surveys & Maps and Preliminary Plans sufficient to set ROW for a new roadway from Benton Road to Airline Drive following the alignment established in the East/West Alignment Study. This new roadway is approximately 5,300 feet in length. This work constitutes a portion of the current advertisement for Bossier Congestion Relief Winfield Road.

<b>Firm name</b>	Volkert, Inc.	<b>Past Performance Evaluation Discipline(s)*</b>	Survey
<b>Project name</b>	North-South Corridor	<b>Firm responsibility (prime or sub?)</b>	Prime
<b>Project number</b>	n/a	<b>Owner's name</b>	Bossier Parish Police Jury
<b>Project location</b>	Bossier Parish, LA	<b>Owner's Project Manager</b>	Eric Hudson
<b>Owner's address, phone, email</b>	P.O. Box 70, Benton, LA 71005 (ehudson@bossierparishla.gov)		
<b>Services commenced by this firm (mm/yy)</b>	09/23	<b>Total consultant contract cost (\$1,000's)</b>	\$355,000
<b>Services completed by this firm (mm/yy)</b>	09/24	<b>Cost of consultant services provided by this firm (\$1,000's)</b>	\$355,000

The project shall consist of providing all necessary administration, planning, engineering, and land surveying required for developing the Project to construct a new roadway from Benton Road to Airline Drive along alignment selected by Environmental Study accomplished by Bossier Parish Police Jury. The services for this project were divided into seven (7) phases, which Volkert was responsible for, as follows:

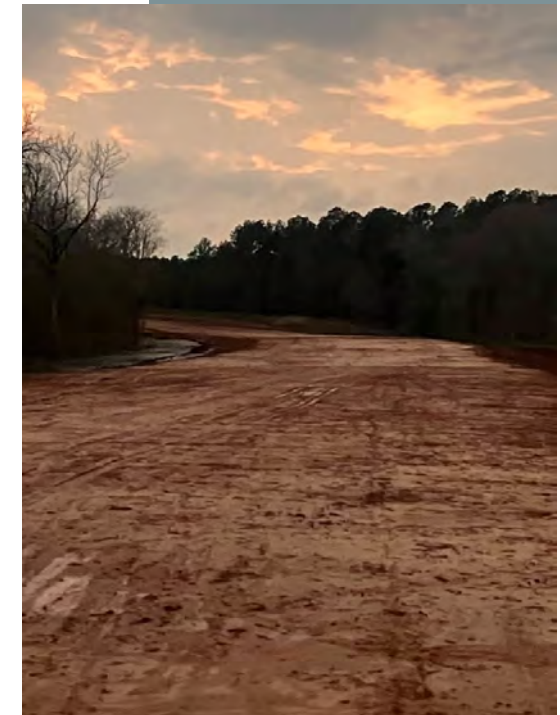
- Phase I - Topographic Surveys & Drainage Map
- Phase II - ROW Surveys & Maps
- Phase III - Preliminary Plans sufficient to establish ROW
- Phase IV - Finalize Preliminary Plans
- Phase V - Final Plans
- Phase VI - Bid & Award
- Phase VII - Construction Supervision

Volkert was responsible for the construction management of subconsultants and inspectors and testing laboratories for the construction of the North/South corridor. This project was for the construction of a \$21 M road project.

Volkert was responsible for the successful construction of this project by overseeing the contractor, inspectors, and testing services for all key aspects of this project.

**Staff to be used in this proposal:**

▼ Chris Patrick



<b>Firm name</b>	Volkert, Inc.	<b>Past Performance Evaluation Discipline(s)*</b>	Road, Survey, Traffic
<b>Project name</b>	Sligo Rd. Extension Imp. – ART Overlay	<b>Firm responsibility (prime or sub?)</b>	Prime
<b>Project number</b>	N/A	<b>Owner's name</b>	Bossier Parish Police Jury
<b>Project location</b>	Bossier Parish, LA	<b>Owner's Project Manager</b>	Eric Hudson
<b>Owner's address, phone, email</b>	P.O. Box 70, Benton, LA 71005 (ehudson@bossierparishla.gov)		
<b>Services commenced by this firm (mm/yy)</b>	07/2023	<b>Total consultant contract cost (\$1,000's)</b>	\$159,397
<b>Services completed by this firm (mm/yy)</b>	N/A	<b>Cost of consultant services provided by this firm (\$1,000's)</b>	\$159,397

Volkert has been involved in several projects for the Sligo Road Extension. Currently under contract is Phase II which is from Sligo Road to HWY 527 and Phase III Hwy 527 to Hwy 154. Services include Surveying, as needed, Alignment Studies, Environmental Analysis and Permitting,

Based on existing GIS data and Property Ownership maps, Volkert identified a minimum of two preliminary alignments for the extension of Arthur Ray Teague Parkway south from Sligo Road to Hwy 527. Volkert also developed typical sections for both alignments. All work was in accordance with DOTD design procedures. Traffic Study was completed and submitted in June of 2023 and recommendations included:

Access management should be considered for the southern driveway of the existing Exxon gas station. This driveway should be relocated to the new connection on Caplis Sligo Rd to Arthur Ray Teague Pkwy rather than directly accessing US 71. This change would provide the gas station with direct access to the new roadway while removing conflict points along US 71. Once the two alignments have been approved a Detailed Environmental Analysis of a 500' corridor centered on the alternate routes will be performed. Detailed Environmental Analysis will include a detailed wetland delineation and USACE Jurisdiction Determination of Wetlands, cultural resource assessment, and wildlife assessment. Detailed Environmental Analysis will only be performed on the Alternatives from Sligo Road to HWY 527.

Upon completion of the environmental assessment, Volkert will perform preliminary line and grade engineering and quantity calculations to produce cost estimates for both alternatives.

Southbound Left turn Lane at Arthur Ray Teague Pkwy at Curtis Sligo Rd

- Approximate Transition Length for Asymmetrical Shift = 430'
- Deceleration Length = 335'
- Storage Length = 100' minimum

Northbound Left turn Lane at US 71 at Caplis Sligo Rd

- Taper length = 180'
- Deceleration Length = 505'
- Storage Length = 100' minimum

Northbound Right turn Lane at US 71 at Caplis Sligo Rd

- Taper length = 180'

- Deceleration Length = 505'
- Storage Length = 100' minimum

Southbound Left turn Lane at US 71 at Caplis Sligo Rd

- Taper length = 180'
- Deceleration Length = 505'
- Storage Length = 100' minimum

Northbound Left turn Lane at US 71 at Mercer Rd/new connection

- Taper length = 180'
- Deceleration Length = 505'
- Storage Length = 100' minimum

#### Staff to be used in this proposal:

- ▼ Chris Patrick
- ▼ Ashley Beckendorf
- ▼ Jonathan Gambino

<b>Firm name</b>	Volkert, Inc.	<b>Past Performance Evaluation Discipline(s)*</b>	Bridge
<b>Project name</b>	District 04 IJA Off-System Bridge Program	<b>Firm responsibility (prime or sub?)</b>	Prime
<b>Project number</b>	Various State Project Nos.	<b>Owner's name</b>	DOTD
<b>Project location</b>	Statewide, LA	<b>Owner's Project Manager</b>	Valerie Tourres
<b>Owner's address, phone, email</b>	1201 Capitol Access Rd., 602D, Baton Rouge, LA 70802, (225) 379-1894 valerie.tourres@la.gov		
<b>Services commenced by this firm (mm/yy)</b>	09/22	<b>Total consultant contract cost (\$1,000's)</b>	\$135.9
<b>Services completed by this firm (mm/yy)</b>	09/27 (est.)	<b>Cost of consultant services provided by this firm (\$1,000's)</b>	\$135.9

Volkert has been selected to assist the DOTD in the selection of eligible bridge structures to be replaced, designed, and constructed under the Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program. Mr. Armstrong is the Engineer assisting in the Phase 1 preliminary screening matrix and bridge selection process based on a set budget provided; ultimately moving the selected bridges to construction while coordinating with the DOTD and local stakeholders.

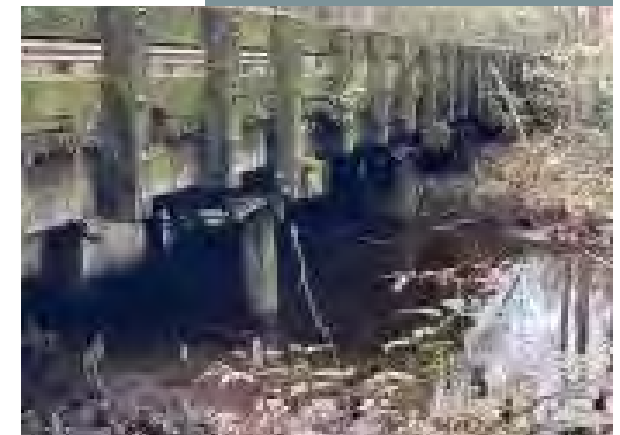
The initial contract included tasks to research qualifying off system bridge locations in DOTD district 04. District 04 includes the Parishes of Bossier, Caddo, Red River, Bienville, Claiborne, DeSoto, and Webster. Volkert staff visited all locations and assembled a screening matrix which included Archaeological sites, NRHP eligible structures, historical bridges, tribal lands, scenic streams, threatened and endangered species, Section 4f properties Section 6 f properties, navigable waterways, underground storage tanks, levees or utility permits.

Volkert coordinated with each Parish to develop a selected structures list and program brides for the five years of funding for the IIJA funding stream.

Volkert is currently in the second phase of this project. On-going services include Surveying, Environmental surveys and permitting, Hydraulic Studies, Preliminary and Final Bridge Plans for 9 bridge sites. Geotechnical Services are being provided by a Consultant.

#### Staff to be used in this proposal:

- ▼ Jan Evans, PE, MBA
- ▼ Randy Denmon, PE, PLS
- ▼ Hossein Ghara, PE, MBA
- ▼ Chad Fisher



<b>Firm name</b>	Volkert, Inc.	<b>Past Performance Evaluation Discipline(s)*</b>	Road, Survey
<b>Project name</b>	Fink's Hide-A-Way Road	<b>Firm responsibility (prime or sub?)</b>	Prime
<b>Project number</b>	700-24-0087	<b>Owner's name</b>	DOTD
<b>Project location</b>	Quachita Parish, LA	<b>Owner's Project Manager</b>	Fred Borne
<b>Owner's address, phone, email</b>	P.O. Box 94245 Baton Rouge, LA 70804-9245, (225) 379-1401, fred.borne@la.gov		
<b>Services commenced by this firm (mm/yy)</b>	04/99	<b>Total consultant contract cost (\$1,000's)</b>	\$2,100
<b>Services completed by this firm (mm/yy)</b>	06/17	<b>Cost of consultant services provided by this firm (\$1,000's)</b>	\$2,100


Right of way, Surveying, Design and CE&I of widening approximately 2 miles of Finks Hide-A-Way road in Ouachita Parish to three/five lane undivided roadway with underground drainage. DEC was the Prime Engineer in charge of roadway design for the entire project. Project included and concrete roadway, curb and gutter, and underground drainage. Work included: drainage design, geometric design, typical sections, preliminary and final plans, quantity calculations and cost estimates.

**Staff to be used in this proposal:**



- ▼ Randy Denmon, PE, PLS

**FINK'S HIDE-A-WAY  
WIDENING**  
S.P. NO. H.007065.6  
**COMPLETED 2016**  
Ouachita Parish Police Jury

DISTRICT A - MR. SCOTTY ROBINSON  
DISTRICT B - MR. JACK CLAMPT  
DISTRICT C - MR. WALTER M. CALDWELL, IV  
DISTRICT D - DR. OLLIBETH REDDIX  
DISTRICT E - MR. SHANE SMILEY  
DISTRICT F - MS. PAT MOORE



*Ouachita Parish Police Jury*  
REGULATORY & PUBLIC SERVICE

<b>Firm name</b>	Terracon Consultants, Inc.	<b>Past Performance Evaluation Discipline(s)*</b>	Geotech
<b>Project name</b>	I-49 South at Verot School Road	<b>Firm responsibility (prime or sub?)</b>	Sub
<b>Project number</b>	H.011235	<b>Owner's name</b>	Louisiana Department of Transportation and Development
<b>Project location</b>	Daphne, AL	<b>Owner's Project Manager</b>	Corey Landry, PE
<b>Owner's address, phone, email</b>	1201 Capitol Access Rd, Baton Rouge, LA 70802; (225) 379-1387; corey.landry@la.gov		
<b>Services commenced by this firm (mm/yy)</b>	06/18	<b>Total consultant contract cost (\$1,000's)</b>	\$442
<b>Services completed by this firm (mm/yy)</b>	02/22	<b>Cost of consultant services provided by this firm (\$1,000's)</b>	\$442

Terracon was the geotechnical subconsultant to Huval and Associates. Terracon performed 30 deep borings, 67 shallow borings, including 33 located within the existing roadways, 15 CPT soundings, lab testing, installed and monitored piezometer, and prepared soil surveys and boring logs for planned new bridges, roadway widening, and retaining wall structures.

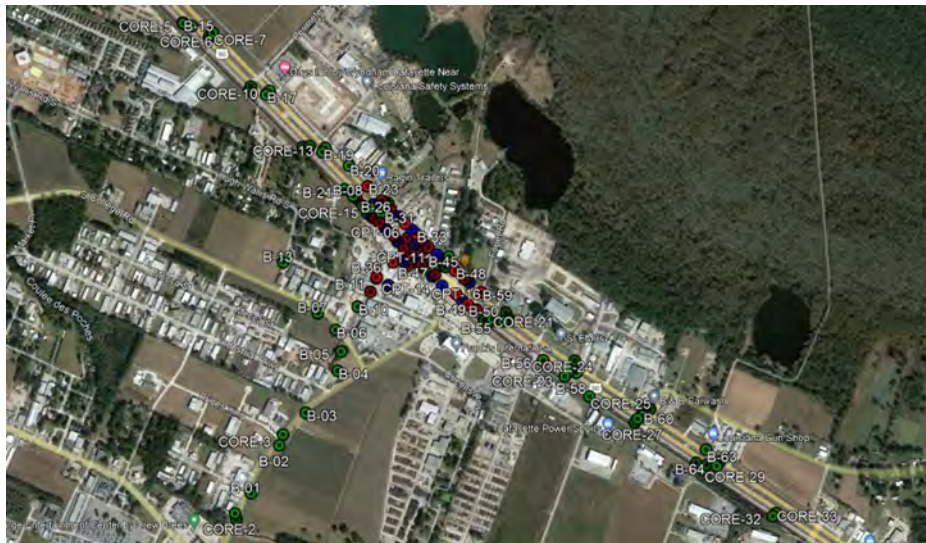
Prior to mobilizing exploration equipment, Terracon's drilling manager and drilling personnel conducted extensive site visits to mark boring locations, meet with private landowners and utility locators, and verify boring access and site conditions. Terracon coordinated field activities with DOTD district personnel, including the required traffic control. Traffic control, including shoulder and both daytime and overnight lane closures were required to complete several

borings. Terracon mobilized multiple pieces of exploration equipment to complete all field work in a timely and provided regular updates to team members about the project.

After completing the field exploration and lab testing programs, Terracon prepared pile nominal resistance calculations for the planned bridge substructures in accordance with DOTD standards. Terracon additionally performed stability and settlement analyses for the MSE Walls. Terracon communicated with the design team and updated the analyses and recommendations throughout the design process, as necessitated by changes in the design.

**Staff to be used in this proposal:**

- ▼ Lynne Roussel McMillen, PE
- ▼ Ryan Poindexter, PE
- ▼ Matthew Minton
- ▼ Brian Alexander



<b>Firm name</b>	Terracon Consultants, Inc.	<b>Past Performance Evaluation Discipline(s)*</b>	Geotech
<b>Project name</b>	US 90 (I-49 South) Albertsons Parkway Design Build	<b>Firm responsibility (prime or sub?)</b>	Sub
<b>Project number</b>	H.010620	<b>Owner's name</b>	Louisiana Department of Transportation and Development
<b>Project location</b>	Broussard, LA	<b>Owner's Project Manager</b>	Peggy Jo Paine, PE
<b>Owner's address, phone, email</b>	1201 Capitol Access Rd, Baton Rouge, LA 70802; (337)475-4287; Peggy.Paine@la.gov		
<b>Services commenced by this firm (mm/yy)</b>	02/15	<b>Total consultant contract cost (\$1,000's)</b>	\$350
<b>Services completed by this firm (mm/yy)</b>	12/18	<b>Cost of consultant services provided by this firm (\$1,000's)</b>	\$350

Terracon provided geotechnical design of the substructure of two bridges and global stability and settlement analysis for several MSE walls to be constructed as part of this design build project. Terracon developed nominal capacity and resistance factors for pile foundations for the bridge substructures and developed driving criteria using WEAP analysis for the proposed pile driving equipment. Dynamic Pile Testing was performed during construction to verify pile capacities. Terracon reviewed the CAPWAP results and provided recommendations for adjustment of the resistance factors or pile order lengths to accommodate slight variations in nominal capacity obtained at each bent. Terracon also provided construction phase support to the design build contractor in evaluating of settlement monitoring data for the MSE walls for compliance with the contract requirements, pile bent acceptance, resolving NCRs, and supporting evaluation of RFIs.

**Staff to be used in this proposal:**

- ▼ Lynne Roussel McMillen, PE
- ▼ Ryan Poindexter, PE
- ▼ Matthew Minton
- ▼ Brian Alexander





<b>Firm name</b>	Terracon Consultants, Inc.	<b>Past Performance Evaluation Discipline(s)*</b>	Geotech
<b>Project name</b>	Nelson Road Extension and Bridge	<b>Firm responsibility (prime or sub?)</b>	Prime
<b>Project number</b>	H.009481	<b>Owner's name</b>	Louisiana Department of Transportation and Development
<b>Project location</b>	Lake Charles, LA	<b>Owner's Project Manager</b>	Kristy Smith, PE
<b>Owner's address, phone, email</b>	1201 Capitol Access Rd, Baton Rouge, LA 70802; (225) 379-1387; Kristy.Smith2@la.gov		
<b>Services commenced by this firm (mm/yy)</b>	07/18	<b>Total consultant contract cost (\$1,000's)</b>	\$364
<b>Services completed by this firm (mm/yy)</b>	12/18	<b>Cost of consultant services provided by this firm (\$1,000's)</b>	\$364

Terracon provided soil borings, lab testing, boring logs, and engineering for a planned roadway extension and bridge. Provided pile nominal capacity calculations and recommendations for resistance factors for design. Provided design support for impact dolphins to be placed in front of bridge to protect superstructure from impact by large ships from adjacent Port of Lake Charles.

**Staff to be used in this proposal:**

- ▼ Lynne Roussel McMillen, PE
- ▼ Ryan Poindexter, PE
- ▼ Matthew Minton
- ▼ Brian Alexander



<b>Firm name</b>	EJES, Inc.	<b>Past Performance Evaluation Discipline(s)*</b>	Road
<b>Project name</b>	Desoto Parish Road Rehabilitation (2009)	<b>Firm responsibility (prime or sub?)</b>	Prime
<b>Project number</b>	N/A	<b>Owner's name</b>	Desoto Parish Police Jury
<b>Project location</b>	Mansfield, LA	<b>Owner's Project Manager</b>	Steve Brown, PE
<b>Owner's address, phone, email</b>	101 Franklin St, Mansfield, LA 71052   (P) 318.872.0738; sbrown@desotoppj.com		
<b>Services commenced by this firm (mm/yy)</b>	02/09	<b>Total consultant contract cost (\$1,000's)</b>	\$7.5M
<b>Services completed by this firm (mm/yy)</b>	07/10	<b>Cost of consultant services provided by this firm (\$1,000's)</b>	\$750

Developed a roadway rehabilitation plan to improve substandard paving at various locations throughout the Parish network. Desoto Parish's initial plan was to rehabilitate 32 miles of substandard roadway at various locations throughout their system. A massive amount of oil and gas activities were underway at the time of the project, and the heavy drilling equipment and associated material trucks were causing a considerable amount of unforeseen roadway failures. Initial rehabilitation concepts varied from mill/overlay plans to complete reconstruction. In addition, the Parish was interested in widening the existing pavement to meet current traffic capacity demands. The original construction budget allocated for this project was \$14.6 million. EJES was tasked with developing an improvement plan that would meet the Parish's goals where feasible while making the best possible use of the allocated construction budget. EJES reviewed the highest need locations for possible construction solutions, as well as analyzed the cost/benefit for multiple construction options. Eventually, cost-savings measures became more critical, as the construction budget was reduced \$7.5 million. In an effort to help the Parish meet its goal, EJES analyzed and implemented several cost-savings measures, such as investigation and analysis of existing crossdrain structures for salvage instead of replacement. Another proposed concept was to vary the typical section thickness and width depending on the horizontal and vertical curvature of the road. For example, the proposed pavement width for straight sections was 20 feet, while the width was increased to 24 feet for horizontal curves. These innovative measures allowed the Parish to reconstruct the desired roadways within the allotted budget. Additionally, the Parish had a scheduling constraint requiring the projects to be designed and advertised for bids within 60 days. EJES managed the process by utilizing three survey crews and geotechnical services concurrently while designing the project. Using this aggressive, expedited approach, EJES was able to develop plans and specifications that met construction requirements while meeting the client's scheduling needs.

**Staff to be used in this proposal:**

- ▼ Tanita Gilbert-Baker, PE
- ▼ Shirley Wilson, EI

BENEFIT: BRING INNOVATIVE IDEAS TO MEET BUDGET AND SCHEDULING CONSTRAINTS.



<b>Firm name</b>	EJES, Inc.	<b>Past Performance Evaluation Discipline(s)*</b>	Road
<b>Project name</b>	Desoto Parish Police Jury 2019 Road Improvements	<b>Firm responsibility (prime or sub?)</b>	Prime
<b>Project number</b>	N/A	<b>Owner's name</b>	Desoto Parish Police Jury
<b>Project location</b>	Mansfield, LA	<b>Owner's Project Manager</b>	Steve Brown, PE
<b>Owner's address, phone, email</b>	101 Franklin St, Mansfield, LA 71052   (P) 318.872.0738; sbrown@desotoppj.com		
<b>Services commenced by this firm (mm/yy)</b>	03/19	<b>Total consultant contract cost (\$1,000's)</b>	\$208
<b>Services completed by this firm (mm/yy)</b>	11/19	<b>Cost of consultant services provided by this firm (\$1,000's)</b>	\$208

EJES developed a roadway repair strategy to improve 20 miles of inadequate asphalt at various places around the Parish network. EJES also provided support during the design phase, the bidding and negotiating process, the construction phase, and the post-construction phase. The standard configuration for a road segment was an overlay of two-lane roadways with lane widths ranging from nine to eleven feet wide.

**Staff to be used in this proposal:**

- ▼ Tanita Gilbert-Baker, PE
- ▼ Shirley Wilson, EI





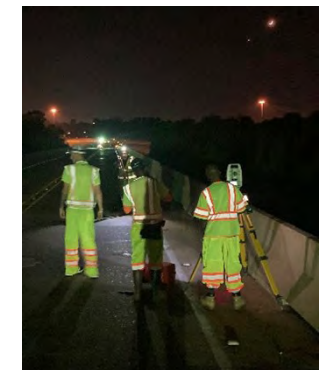
<b>Firm name</b>	NTB Associates, Inc.	<b>Past Performance Evaluation Discipline(s)*</b>	**Survey, Other (SUE), Right-of-Way
<b>Project name</b>	Jimmie Davis Bridge [LA 511] Design-Build	<b>Firm responsibility (prime or sub?)</b>	Sub
<b>Project number</b>	H.001779	<b>Owner's name</b>	DOTD Baton Rouge/ James Construction/ Huval & Associates, Inc.
<b>Project location</b>	Bossier & Caddo Parishes, LA	<b>Owner's Project Manager</b>	Mr. Aaron Dupont
<b>Owner's address, phone, email</b>	18484 E. Petroleum Drive, Baton Rouge, LA 70809 (225) 442-6362 adupont@prim.com		
<b>Services commenced by this firm (mm/yy)</b>	01/23	<b>Total consultant contract cost (\$1,000's)</b>	\$1,140
<b>Services completed by this firm (mm/yy)</b>	On-going	<b>Cost of consultant services provided by this firm (\$1,000's)</b>	\$1,140

NTBA is performing static GPS control, topographic and property surveying services, title takeoffs, title research reports, ROW mapping, traffic control, utility coordination services, QL A, B, C, & D utility designating/locating for the design-build project to replace the Jimmy Davis Bridge across the Red River. The scope of this project consists of constructing a new four lane structure carrying LA 511 across the Red River, repurposing the existing Jimmie Davis Bridge as a Linear Park to provide bicycle and pedestrian facilities, converting LA 511 (Jimmie Davis Hwy) into a four-lane, median-divided highway on the east side of bridge; as well as providing full access interchanges between LA 511 and Clyde Fant Memorial Parkway and Arthur Ray Teague Parkway. NTBA designed and implemented a Traffic Control Plan for the project's bridge closure which was completed during night shifts to ensure safety and avoid travel disruptions.

NTBA verified the horizontal and vertical control set by DOTD during the original survey and verified the vertical control for both sides by running digital levels across the bridge, which was not performed in the original survey. For property surveys, title take-offs were attained for all properties adjacent to the route and a property survey submittal prepared with apparent ROW shown. Title Reports are also being prepared by our subconsultant for the known areas of taking. Right-of-Way maps will be prepared once the final alignment is established so the takings can be confirmed. NTBA is identifying all utilities in conflict with the construction and coordinating any required utility adjustments with the utility owner. NTBA is utilizing the Louisiana Department of Transportation Survey and Design guidelines as well as CI/ASCE Standard 38-02.

#### Staff to be used in this proposal:

- ▼ P. Rossini
- ▼ A. Schulze
- ▼ W. Offer
- ▼ B. Bunch
- ▼ G. Gilleon
- ▼ P. Staiano
- ▼ T. Sitton

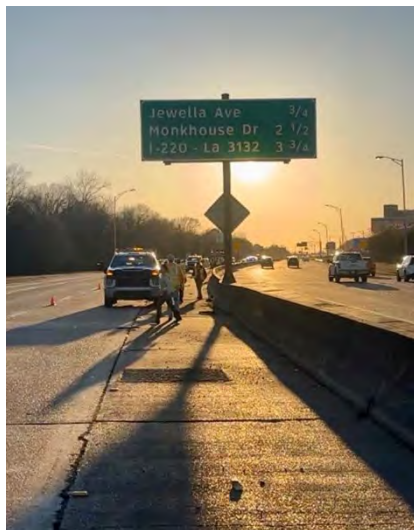


<b>Firm name</b>	NTB Associates, Inc.	<b>Past Performance Evaluation Discipline(s)*</b>	**Survey & Other (SUE)
<b>Project name</b>	I-20: Monkhouse to I-49, Route I-20	<b>Firm responsibility (prime or sub?)</b>	Prime
<b>Project number</b>	4400017713/ H.010468.5	<b>Owner's name</b>	DOTD
<b>Project location</b>	Caddo Parish, LA	<b>Owner's Project Manager</b>	Mr. Barrett Smith, PLS
<b>Owner's address, phone, email</b>	1201 Capitol Access Road, Baton Rouge, LA 70802 (225) 379-1133 barrett.smith@la.gov		
<b>Services commenced by this firm (mm/yy)</b>	04/22	<b>Total consultant contract cost (\$1,000's)</b>	\$1,355
<b>Services completed by this firm (mm/yy)</b>	04/23	<b>Cost of consultant services provided by this firm (\$1,000's)</b>	\$1,355

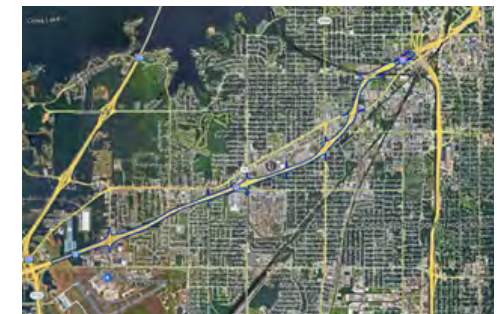
NTBA performed Static GPS Control, topographic surveying services utilizing RTK and conventional surveying and HDS 3D Terrestrial Laser Scanning, Traffic Control, and QL C & D subsurface utility investigation for interstate rehabilitation. NTBA also prepared a drainage map. This project was one of the largest topographic surveys NTBA has ever been a part of. It consisted of 4.89 miles of interstate, 2.35 miles of side streets, and a drainage area of approximately 990 acres. Surveys and utility investigations were performed along I-20 beginning approximately 4,200 ft. southwest of the intersection of Monkhouse Dr. and I-20 and proceed in a northeasterly direction along I-20 ending at the westerly end of the I-20/I-49 interchange. Areas included Monkhouse Drive, Jewella Avenue, Hearne Avenue, Greenwood Road, Texas Avenue, and Lakeshore Drive.

**Staff to be used in this proposal:**

- ▼ P. Rossini
- ▼ A. Schulze
- ▼ W. Offer
- ▼ B. Bunch
- ▼ G. Gilleon
- ▼ P. Staiano
- ▼ T. Sitton

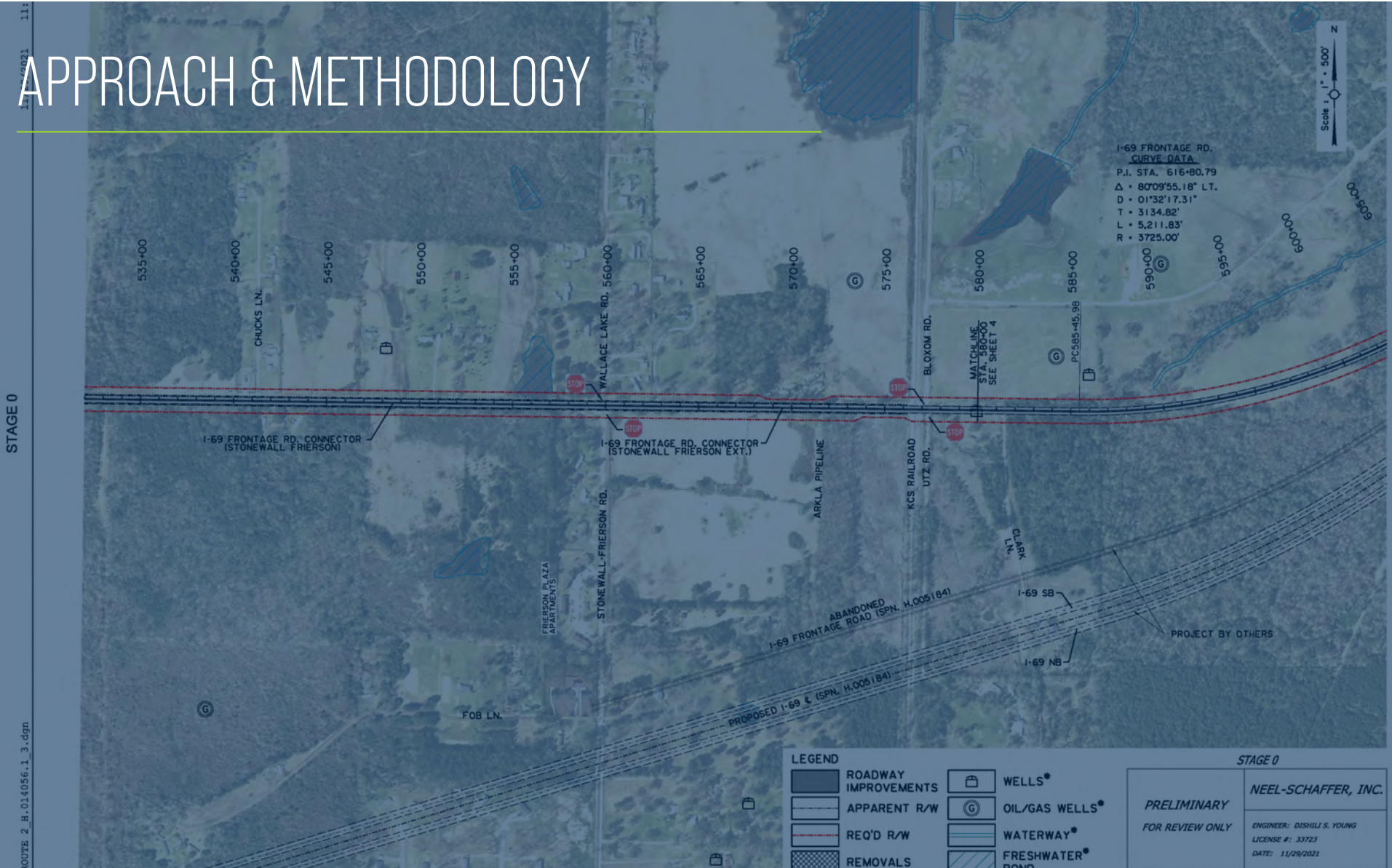


NTBA managed our sub-consultant, E.S.P. Associates, P.A., for Mobile Laser Scanning Services of hard surfaces along the route. NTBA performed data extraction of mobile scan data for incorporation into Inroads and for Point Cloud delivery. DOTD's project schedule had an allowable duration of 365 days, but NTBA completed in 359 days with one minor comment. This effort took 3,999 field crew hours, 3,448 CADD hours, and 2,250 PLS hours. There were over 70,000 points for the topographic survey and over 1,500 drainage structures surveyed for the drainage map. The areas included major thoroughfares, surface streets, railroad rights-of-way, and drainage canals. MicroStation files were the deliverable for the project. All services completed in accordance with the Location and Survey Manual and all currently accepted Location and Survey Automated procedures.



# SECTION 18

## APPROACH & METHODOLOGY



ROUTE 2\_H\_014056\_1\_3.dgn

STAGE 0

DESOTO	DESOTO
PARISH	PARISH
SECTION	SECTION
B16-11	B16-11
DATE	DATE
11/29/2021	11/29/2021

CONCEPT LAYOUT  
ALTERNATE 2



## 18. Approach and Methodology:

Provide a description of how the work will be performed and provide the proposed project schedule. Include any additional information or description of unique resources that are planned to be used to produce the deliverables. Include any proprietary technologies, methods or approaches that will be used on this project to improve quality or efficiency. If the proposal is for an IDIQ contract, the consultant should review the scope of services in Attachment A to the advertisement to obtain a general understanding of what a typical task order would entail. Based upon that understanding, the consultant should provide a sample schedule that identifies the major milestones, deliverables, tasks, etc., to demonstrate sufficient understanding of a typical task order. The duration of the task order is not required. This section shall be limited to four pages. If more than four pages are included, all pages after the fourth page will not be evaluated. If the consultant has information it believes is proprietary, label it accordingly.

## Project Background | WHY CHOOSE VOLKERT

Volkert is considered a local firm in northern Louisiana, where our team members have been deeply rooted in Monroe and Shreveport for more than two decades. They have their roots and educational background firmly established in the region. At present, our team is actively engaged in projects for both Caddo Parish and DeSoto Parish. This project has been a long time in the making to provide access for the Bossier Port, who is also one of our long-standing clients. Our local knowledge combined with our DOTD background makes Volkert a good selection for this project.

We also understand that schedule is important and have proposed to divide the survey on these projects between NTB and Volkert to condense the preliminary plans phase. Both firms currently survey to the DOTD survey standards. We also recognize that the right of way surveys and maps will be performed by the DOTD. But will need to rely on our survey data.

## Project Scope of Work | WHAT WE DO

**Review of Existing Information:** This project will tie together three separate projects which are covered by two Stage 1 documents and a Record of Decision. Each has a separate state project number and billing, cost and project quantities may need to be carried for each project number. Our team is ready to track as needed which is shown by this breakdown.

### H.005184 I-69 FRONTAGE ROAD (STONEWALL FRIERSON TO ELLERBE RD)

This section is part of the Interstate 69 SIU 15 Record of Decision published August 23, 2013. Contained in the final document as a part of Segment ID Frontage Road, Section 6.3.12 Frontage Road of the document states the following:

- In its July 27, 2005, Resolution, the DeSoto Parish Police Jury (DPPJ) requested that a frontage/access road be constructed, in lieu of a grade separating either I-69 or Old Church Road, to maintain access to properties and residents along Old Church Road.

- A Frontage Road will be constructed between Stonewall Frierson Road in DeSoto Parish and Ellerbe Road in Caddo Parish. It will be a two-lane, undivided, uncontrolled access facility on a new location designed to DOTD Rural Collector Roads and Streets (RC-2) Standards. The roadway will have one 11-foot lane in either direction with 8-foot outside shoulders and include a new at grade crossing with the KCSR (Kansas City Southern Railroad) rail line. Construction and maintenance agreements with KCSR will be executed during final design.
- At the completion of the project, a Cooperative Endeavor Agreement with DeSoto Parish Police Jury (DPPJ) will be executed to transfer ownership of the Frontage Road to the DPPJ.

### H.014054 I-69 FRTG RD. CONN ( ELLERBE RD TO LA 1)

This section is part of a stand-alone Stage 0 Feasibility Report dated 12/9/2021. Table 1 presents design criteria for an Urban Collector with 2 -12 ft lanes, 8 ft shoulders with a design speed of 55 mph.

### H.014056 I-69 FRTG RD CONN (STONEWALL FRIERSON)

This section is part of a stand-alone Stage 0 Feasibility report dated 12/9/2021 Table 1 presents design criteria for an Urban Collector with 2-12 ft lanes, 8 ft shoulders with a design speed of 55 mph.

Of note, all three project sections are presented in the advertised scopes with roadways consisting of 2- 12 ft lanes with 10 ft shoulders which is a deviation from the ROD and the two Stage 0 reports.

**Project Kick Off Meeting:** The Volkert Team will propose a Kickoff Meeting with DOTD and stakeholders as the first order of business once a NTP is issued. The goal will be to ensure that all project design criteria and features are understood and agreed to by all. It is understood that some items may have changed from the environmental document, such as typical sections and alignment. Agenda items will include discussions of any additional traffic data or analysis needed, pavement design preferences or alternatives, future build-

out considerations and other additional items deemed necessary by any of the parties in attendance. Our staff has already been to the project site.

**Conceptual Project Construction Cost Update:** A conceptual project construction cost update for each project section will be prepared after the kickoff meeting. The cost estimate will be based on DOTD standard items and utilizing updated unit costs. Pavement designs, cross sections and type size and location of structures will be assumed based on the Record of Decision and Stage 0 reports. Risks will be identified when the probable cost is submitted to the Project Manager. This construction cost estimate shall be updated with major plan development submittals.

**Design Criteria Submittal:** The Volkert team will submit all design criteria for approval, including but not limited to roadway, bridge, and hydraulics. This project will follow the standard DOTD plan development guidelines as presented in the Road Design Manual. All plans will be developed utilizing the current DOTD electronic standards for plans and will be in MicroStation and InRoads format and have CAD Conform seals and be accompanied by a Control CAD report.

#### PRELIMINARY PLANS

Note – this project will not proceed to Final Plans until environmental clearance has been obtained for all three sections. The Volkert team will also coordinate with DOTD as soon as possible if it determined that the project may need design deviations, (exceptions, waivers, etc.) and submit the proper forms with justification for approval.

#### Preliminary Roadway Design

##### H.005184 I-69 Frontage Rd. (Stonewall Frierson to Ellerbe Rd) work includes:

- ✓ A new connection between Stonewall Frierson Rd. connection (H.014056) and Ellerbe Rd to LA 1 Connection (H. 014054) with a new frontage road.
- ✓ This section is approximately 2.6 miles in length on a new alignment.
- ✓ A new bridge structure will be designed over Wallace Bayou.

##### H.01405 I-69 Frontage Rd. Conn. (Ellerbe Rd. to LA 1) work includes:

- ✓ A connection which will begin at the end H.005184 at Ellerbe Rd and will end at LA-1 by connecting Doug Attaway Blvd. with a signalized intersection.
- ✓ Portions of this new frontage road will be on existing Robson Rd., which will be upgraded.
- ✓ This portion of the project is approximately 4 miles in length.
- ✓ The existing intersection of Robson Rd will terminate as T intersection to the new roadway.

- ✓ Existing at grade railroad crossing at Harts Island Road will be closed.
- ✓ Two existing bridges (Bayou Pierre and Chico Bayou Relief) will be widened, if justified and a new bridge over Chico Bayou will be part of this project.

##### H.014056 I-69 Frontage Rd Connector (Stonewall Frierson) includes:

- ✓ A connection between I-49 and a new I-69 Frontage road (SP H.005184) will be provided by using and extending the existing Stonewall Frierson Rd.
- ✓ Roughly 3.1 miles of existing Stonewall Frierson Rd between I-49 and Bloxom Rd intersection would need to be upgraded to accommodate the new connecting road.
- ✓ The connecting road would continue eastwards by upgrading Bloxom road and railroad connection with KCS RR and then continuing northeast for roughly 1.1 miles in new alignment to connect with the I-69 Frontage road (SP H.005184).

We anticipate beginning Preliminary Roadway design to verify initial line and grade and typical sections. These projects have a mixture of roadway reconstruction, new roadway sections and upgrade re-use of existing roadway sections. Pavement will be furnished by the Department.

**Hydrologic and Hydraulic Studies:** It is anticipated that hydrologic and hydraulic studies will be prepared for each project. Roadway Ditches and cross drains will be analyzed for the roadway sections. Should the bridges be replaced and not widened over water bodies, and the department does not provide hydraulic information, hydraulic information will be developed for the replacement structures including scour if needed. Information gathered during the survey portion of this project will be utilized during these studies.

Preliminary roadway plan submittals shall include the following sheets:

- |   |   |
|---|---|
| ✓ Title Sheet   | ✓ Existing Drainage Maps                                    |
| ✓ Typical Sections and Details  | ✓ Design Drainage Maps                                      |
| ✓ Summary of Estimated Quantities   | ✓ Temporary Erosion Control                                 |
| ✓ Misc. Details & General Notes   | ✓ Geometric Details   |
| ✓ Reference Points and Benchmark Elevation Sheets                               | ✓ Temporary Construction Signs and Sequence of Construction |
| ✓ 1"=50' Plan/Profile sheets (with subsurface drainage and open ditch drainage) | ✓ Cross-Sections (earthwork)                                |

## Preliminary Bridge Design

H.005184 I-69 Frontage Road (Stonewall Frierson To Ellerbe Rd) and H.014054 I-69 Frontage Road (Ellerbe Rd to LA 1) will require some preliminary bridge design work performed in advance of the design to consider the rehabilitation or replacement of three (3) structures. The Stage 0 reports recommend that they be replaced for geometric reasons and the bridges need to be widened. If need be load ratings will be performed for these structures and included in the report to be submitted for the department approval.

Once approval is obtained and replacement or widening is determined then preliminary bridge design of all structures will begin, including the new structure. It is anticipated that the bridges will be concrete prestressed girder spans with pile bent. We do not anticipate the use of drill shafts on this project. Preliminary plans will include type size and location with appropriate information.

**Traffic Engineering:** The Volkert team will review the traffic report prepared for the port and decide if additional traffic data will need to be collected for the Traffic Management Plan (TMP) including traffic signal plans. Our in-house PTOE has met all training requirements of the DOTD Traffic Section.

**Surveying Services:** Volkert and NTB will both be providing surveying services. Both firms have been surveying in Northern Louisiana for almost 30 years and have completed over hundreds of project surveys in over 12 Parishes. Both crews have the proper equipment and will verify survey information to be utilized with the DOTD survey section prior to beginning work. Randy Denmon's knowledge of the area and landowners in the area will be an added benefit for this project. Title work (including updates if needed), Property Survey's, R/W maps, Title Take-Off's will be performed by the department. The survey for this project is major and the combination of two firms surveying will decrease duration of the survey portion of this project and allow the acceleration of the preliminary plan submittals.

**Geotechnical Investigation and Design Services:** Terracon, a subconsultant to Volkert, will provide all geotechnical investigation and design as needed for the project. Bridge borings and scour information will be coordinated during the preliminary stage, as needed and boring location will be information will be picked up by the survey crews and shown in the topographic survey. Volkert's structural engineers will be in communication with the Terracon staff to coordinate any additional design criteria which may require geotechnical information. Terracon will develop and submit for approval a Geotechnical Investigation Plan, a Geotechnical Data Report, and a Geotechnical Interpretation Report. All reports will be reviewed by the Volkert team prior to submittal to the DOTD.

**Plan in Hand Meeting:** The Volkert team will meet with all DOTD headquarters and District Staff, and Parish Staff to review the preliminary plans and look at the site. This important step will be attended in person by the knowledgeable staff to discuss the project and the decisions made to reach the current project configuration. Comments received will be addressed to the satisfaction of all prior to the completion of the Preliminary Plans.

**Final Plans:** The Volkert team will provide final plans upon the approval of the Preliminary Plan submittal and the completion of the environmental documentation. All tasks will be included such as

- ✓ Final Road and Bridge plans including Calculations.
- ✓ As designed Bridge Ratings
- ✓ Construction Cost Estimates
- ✓ Final Road and Bridge Quantities
- ✓ Any Special Provisions (if required)

**Consultant Submittals:** The Volkert Team is prepared to provide the following submittals both electronically on project wise and if needed by hard copies to the Parish.

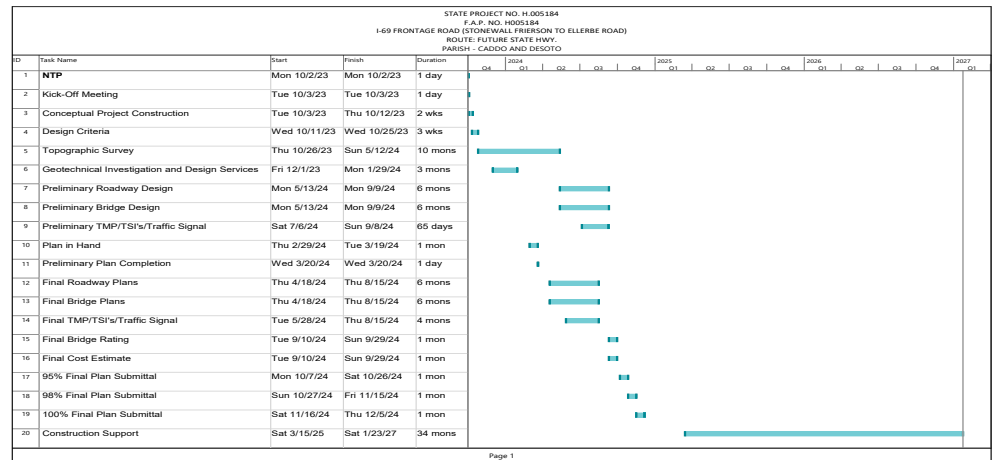
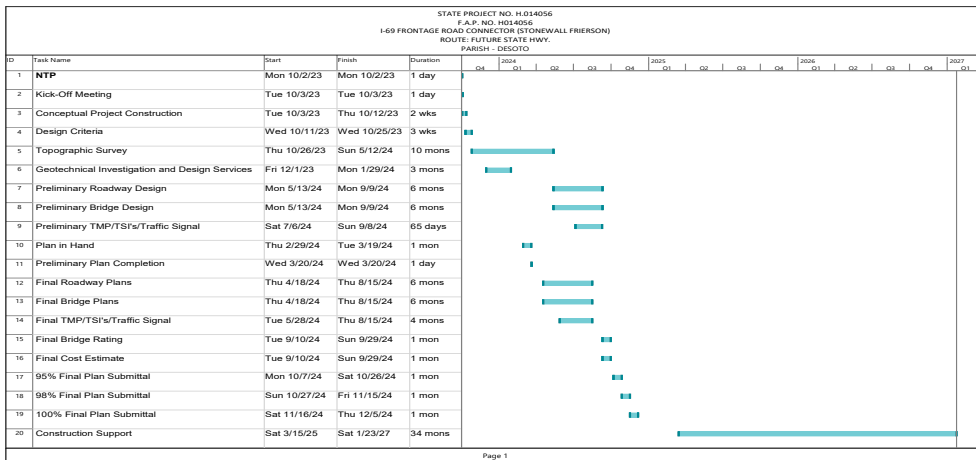
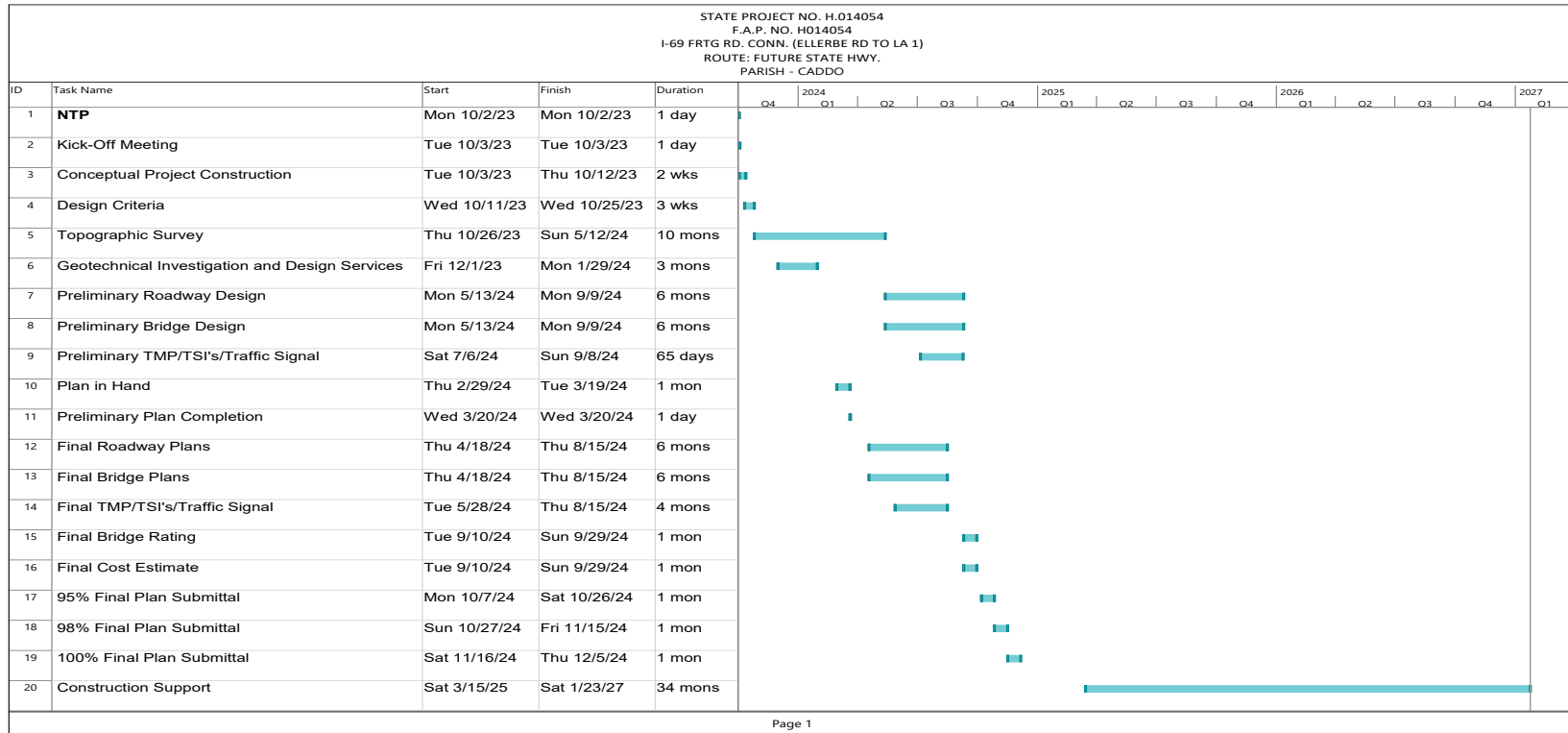
- ✓ Design Criteria
- ✓ 30%, 60%, 90%, 100% Preliminary Plans
- ✓ 30%, 60%, 95%, 100% Final Plans
- ✓ Special Provisions and NS Pay Items
- ✓ Construction Cost Estimate
- ✓ Design Calculations
- ✓ As-Designed Bridge Rating Reports
- ✓ QC/QA Certification (with all signatures)

**DBE Participation:** The Volkert team has selected EJES, Inc. as a DBE firm for this project. We are currently working with them on two Shreveport projects and on the District 04 IJJA Bridges. It is anticipated that EJES can provide support to the project team with tasks such as computing the summary of estimated quantities, development of drainage area maps, development of suggest sequence of construction plans, temporary erosion control, geometric details, striping details, cost estimating or QA/QC of roadway plans. The Volkert team will meet or exceed the DBE goals of this project.

**Conclusion:** The following preliminary schedules lay out our anticipated work plan for each project as described above. We feel that our knowledge of the parishes and the port and the tasks to be performed by our team can provide the quality varied services and designs these three projects will require.

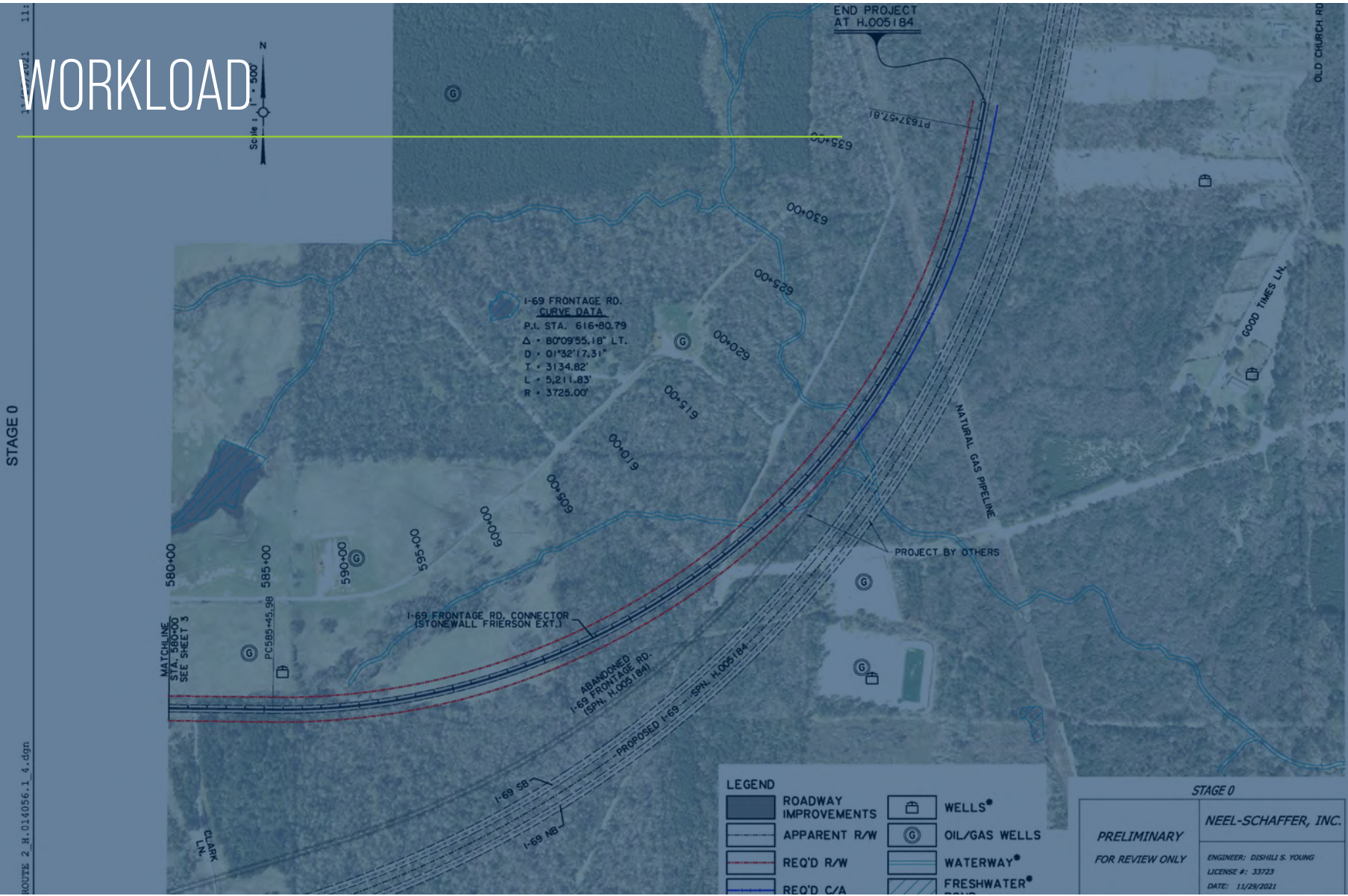
# Preliminary Work Schedule

We have provided a preliminary work schedule for the 3 projects identified in this contract.



# SECTION 19

## WORKLOAD



DESOTO	PARISH	SECTION	B16-11
DESOTO	PARISH	SECTION	B16-11

CONCEPT LAYOUT ALTERNATE 2

19. Workload:

For all contracts where a firm on the team is a prime consultant or sub-consultant and where a) the consultant selection was made by DOTD, and b) a contract was executed by the consultant and the contracting entity by the date the advertisement for this proposal was posted, list all work meeting the following criteria:

- 1) one of the team's firms is responsible for the performance of the work;
- 2) authorization to perform the work has been provided, as provided in the contract between the consultant and the contracting entity;
- 3) the work has not yet been performed and invoiced; and
- 4) the work is not currently suspended for an indefinite period of time.

For indefinite delivery/indefinite quantity (IDIQ) contracts, list open Task Orders individually. List only the portion of the fees attributable to firms on the team.

Firm(s)	Past Performance Evaluation Discipline(s) *	Contract Number & State project number	Project name	Remaining Unpaid Balance**
Volkert, Inc.	Road	Contract No.44-5267 S.P. No. H.003074 & H.009087	Route I-10: Williams Blvd. to Veterans Blvd. & Loyola Drive to Williams Blvd. – Sub-consultant, Jefferson Parish, LA	\$1,736.00
Volkert, Inc.	Road	Contract No. 44-5142 S.P. No. H.001309.5	MacArthur Blvd. Phase II Final Plans – Sub-Consultant, Jefferson Parish, LA	\$77,678.00 (Project on Hold)
Volkert, Inc.	Bridge	Contract No. 44-4726 S.P. No. H.004113	I-12 to Bush LA 3241 (LA 435 to LA 40 / LA 41), - Sub Consultant, St. Tammany Parish, LA	\$41,796.00
Volkert, Inc.	Bridge	Contract No.44-8113 S.P. No. H.011152.5	I-12 Widening (US 190 to LA 59) Route I-12 – Sub Consultant, St. Tammany Parish, LA	\$20,052.00
Volkert, Inc.	Bridge	Contract No. 44-25024 S. P. No. H.01551.8	Ridge Road Over Castor Creek, Bienville Parish, LA	\$143,000.00
Volkert, Inc.	Bridge	Contract No. 44-25024 S. P. No. H.015520	Collinsburg Creek over Collinsburg Creek, Bossier Parish, LA	\$137,000.00
Volkert, Inc.	Bridge	Contract No. 44-25024 S. P. No. H. 015522	Barnette Road over Trib to Walnut Bayou, Caddo Parish, LA	\$136,600.00
Volkert, Inc.	Bridge	Contract No. 44-25024 S. P. No. H.015524	Self Road Over Dooley Canal, Caddo Parish, LA	\$137,900.00
Volkert, Inc.	Bridge	Contract No. 44-25024 S. P. No. H.015525	Bailey Town Rd Over Little Corney Bayou, Claiborne Parish, LA	\$152,000.00

Firm(s)	Past Performance Evaluation Discipline(s) *	Contract Number & State project number	Project name	Remaining Unpaid Balance**
Volkert, Inc.	Bridge	Contract No. 44-25024 S. P. No. H.015527	Hinds Road Over Wallace Bayou, DeSoto Parish, LA	\$152,000.00
Volkert, Inc.	Bridge	Contract No. 44-25024 S. P. No. H.015528	Courtney Road Over Dry Creek, Red River Parish, LA	\$152,000.00
Volkert, Inc.	Bridge	Contract No. 44-25024 S. P. No. H.015529	Dorcheat Road Over Cow Branch, Webster Parish, LA	\$152,000.00
Volkert, Inc.	Bridge	Contract No. 44-25024 S. P. No. H.015336	Marathon Road over Gray Creek, Webster Parish, LA	\$152,000.00
Volkert, Inc.	Traffic	Contract No. 44-4787 S.P. No. H.009250	IMR I-10 Highland Road to LA 73, East Baton Rouge and Ascension Parishes, LA	\$1,212,059.00
Volkert, Inc.	Survey	Contract No. 44-17068	Louisiana Watershed Initiative (LWI) Modeling Contract Region 3, Sub Consultant, Task Order 2 and Task Order 3	\$139,109.00
Volkert, Inc.	Survey	Contract No. 44-17069	IDIQ Contract for Louisiana Watershed Initiative (LWI) Modeling Contract Region 2, Sub Consultant, Task Order 1, 2 and 3	\$213,815.00
Volkert, Inc.	Survey	Contract No. 44-17764 S.P. No. H.013284	IDIQ Contract for Engineering and Inspection Services of State Regulated Dams with Majority of Work in Districts 04,05,08 and 58, Statewide, Tasks Order 4 & 7	\$73,457.00
Volkert, Inc.	Survey	Contact No. 44-19871	IDIQ Contract for Design of Safety Projects, Statewide with Majority of Work I Districts 04,05, and 58. Sub-Consultant	No Open Task Orders
Volkert, Inc.	Other-Procurement	Contract No. 44-17328 S.P. No.H.015372	IDIQ Contract for Innovative Procurement Support Services, Statewide	No Open Task Orders
Volkert, Inc.	CEGI/OV	Contract No. 44-16173 S.P. No. H.003370	I-220/I-20 Interchange Improvements & Barksdale AFB Access, Bossier Parish, LA	\$386,962.00
Volkert, Inc.	CEGI/OV	H.004791	LA 23: Belle Chasse Bridge and Tunnel Replacement (HBI) Plaquemines Parish, LA	\$5,544,277.00
Volkert, Inc.	CEGI/OV	Contract No. 44-16980 H.013897	College Drive Flyover Ramp. I-10/I-12 West East Baton Rouge Parish, LA	\$462,760.00
Volkert, Inc.	CEGI/OV	Contract No. 44-21740 H.004100.6	Phase I W. of Washington Street to Essen Lane (CEGI) Phase I Segment 01. W. of Washington Street to Acadian Thruway, Route I-18. East & West Baton Rouge Parishes, LA	\$7,985,216.00
Volkert, Inc.	CEGI/OV	H.001234.6	LA 1 Port Allen Canal Bridge Replacement (Phase 1) (HBI) (CEGI), West Baton Rouge Parish, LA – Subconsultant	\$458,917.00

Firm(s)	Past Performance Evaluation Discipline(s) *	Contract Number & State project number	Project name	Remaining Unpaid Balance**
Volkert, Inc.	CEGI/OV	H.007811.6, H.000710.6,H.002273.6, and H.001352.6	Comite Diversion Canal CEGI and Utility Relocation, East Baton Rouge Parish, LA – Subconsultant	\$414,475.00
Volkert, Inc.	CEGI/OV	Contract No. 44-19950, H.003003.6-2	Retainer Contract 44-19950 IDIQ Contract for Construction Engineering and Inspection Services (CEGI) Statewide with Majority in District 03 Acadia, Lafayette, Evangeline, Iberia, St. Landry, St. Mart, St. Mary, and Vermilion Parishes Task Order 1 I-10 E Jct I-49 to LA 328, Lafayette Parish - Subconsultant	\$38,584.00
Volkert, Inc.	CEGI/OV	Contract No. 44-19950, H.002868.6	Retainer Contract 44-19950 IDIQ Contract for Construction Engineering and Inspection Services (CEGI) Statewide with Majority in District 03 Acadia, Lafayette, Evangeline, Iberia, St. Landry, St. Mart, St. Mary, and Vermilion Parishes – Task Order 4 – I-49 S Ambassador Caffery/US 90 Interchange, St. Martin & Lafayette Parishes– Subconsultant	\$459,466.00
Volkert, Inc.	CEGI/OV	Contract No. 44-19950, H.013265.6	Retainer Contract 44-19950 IDIQ Contract for Construction Engineering and Inspection Services (CEGI) Statewide with Majority in District 03 Acadia, Lafayette, Evangeline, Iberia, St. Landry, St. Mart, St. Mary, and Vermilion Parishes – Task Order 5 – US 90 LA 14 - LA 83, Iberia Parish – Subconsultant	\$180,804.00
Volkert, Inc.	CEGI/OV	H.008145.6	LA 1: Leeville to Golden Meadow Phase 2 (CEGI) SA 1 Fabrication Lafourche Parish (Subconsultant to ECM)	\$7,226,226.00
Volkert, Inc.	CEGI/OV	H.011965.6	LA 47: IWGO Bridge Replacement (HBI) (CEGI), Orleans Parish -Subconsultant	\$340,000.00
Volkert, Inc.	CEGI/OV	H.009498.6	Retainer Contract 44-26334 IDIQ Contract for Precast Prestress Concrete Fabrication Inspection, Task Order 1 LA 121 Calcasieu River Bridge Fabrication, Rapides Parish	\$20,495.00
EJES, Inc.	Bridge	Contract No. 4400025024; SPN H.015336	Infrastructure Investment and Jobs Act Off System Bridge Program District 04	\$225,000
EJES, Inc.	Bridge	Contract No. 4400025025; SPN H.015337	Infrastructure Investment and Jobs Act Off System Bridge Program District 05	\$186,000
Terracon Consultants, Inc.	Geotechnical	4400019014   H.003931.5-2	I-10: Calcasieu River Bridge Additional Borings	\$77,591
Terracon Consultants, Inc.	Geotechnical	4400019014   H.002868	I-49 Frontage Road Bridges PDA Testing	\$135,647
Terracon Consultants, Inc.	Geotechnical	4400019014   H.012033	Cross Bayou and Caney Bayou	\$5,419

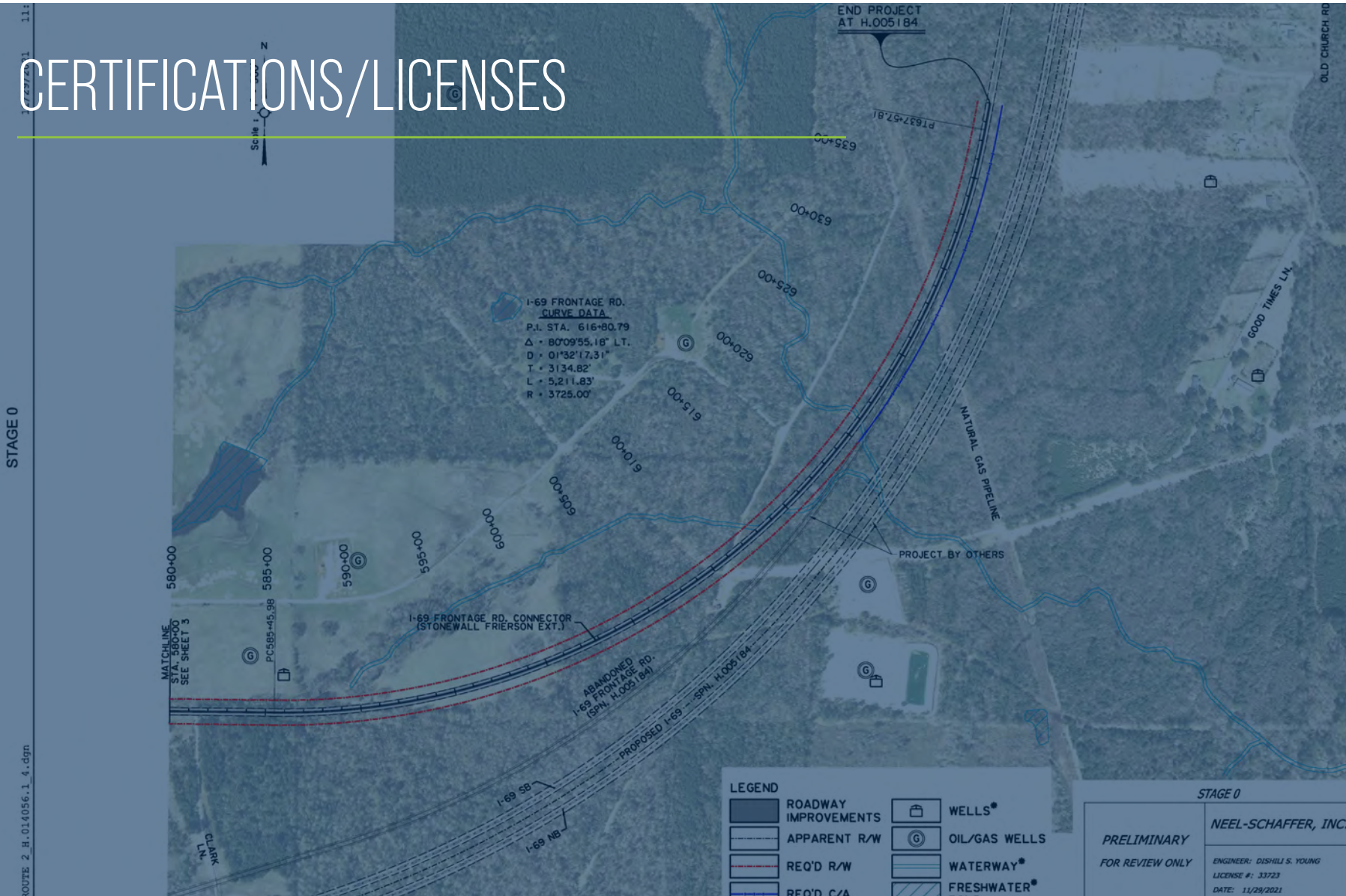


Firm(s)	Past Performance Evaluation Discipline(s) *	Contract Number & State project number	Project name	Remaining Unpaid Balance**
Terracon Consultants, Inc.	Geotechnical	4400006191   H.012569.5	Little Sugar Creek Bridge	\$5,419
Terracon Consultants, Inc.	Geotechnical	4400006191   H.000385.5	US190: LA415 & RR Overpass	\$213,763
Terracon Consultants, Inc.	Geotechnical	4400006191   H.005121.5	LA-1 and LA-415 Connector	\$227,266
Terracon Consultants, Inc.	Geotechnical	4400006191   H.005967	Nelson Road Extension and Bridge	\$52,534
Terracon Consultants, Inc.	Geotechnical	N/A   H.011670	Loyola Interchange Design-Build	\$423,523
Terracon Consultants, Inc.	Geotechnical	4400022901   H.011094.5	Hearne Ave. – Cross Bayou Bridge Replacement	\$139,096
Terracon Consultants, Inc.	Geotechnical	4400019014   H.012048.5	Castor Creek and Relief Bridges	\$248,823
Terracon Consultants, Inc.	Geotechnical	4400019014   H.012537.5	LA154, LA157 - Red Chute BYU & Flat RVR BRS	\$77,709
Terracon Consultants, Inc.	Geotechnical	4400024651   H.005967.5	Nelson Road Ext and Bridge	\$200,883
Terracon Consultants, Inc.	Geotechnical	4400025026   H.015338	Off-System Bridge Replacement	\$180,000
Terracon Consultants, Inc.	Geotechnical	4400005673   H.011235	I-49 South at Verot School Road	\$15,561
NTB Associates, Inc.	Survey	4400019338 Multiple SP Nos. per bridge	Contract for Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (Sub to Sigma)	0
NTB Associates, Inc.	Right-of-Way	4400019338 Multiple SP Nos. per bridge	Contract for Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (Sub to Sigma)	\$130,349
NTB Associates, Inc.	Survey	4400019337 Multiple SP Nos. per bridge	Contract for Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (Sub to BKI)	0

Firm(s)	Past Performance Evaluation Discipline(s) *	Contract Number & State project number	Project name	Remaining Unpaid Balance**
NTB Associates, Inc.	Right-of-Way	4400019337 Multiple SP Nos. per bridge	Contract for Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (Sub to BKI)	\$101,221
NTB Associates, Inc.	Survey	4400017067 LWI Task Order 3	Louisiana Watershed Initiative (LWI) Modeling Contract – Region 1 (Sub to Atkins)	\$10,575
NTB Associates, Inc.	Survey	4400019715/H.008768.5	IDIQ Contract for Hydrographic Surveying Services – Task Order No. 9 – Fall Bridges	\$92,640
NTB Associates, Inc.	Right-of-Way	4400025041	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program	\$10,170
NTB Associates, Inc.	Survey	4400026587/H.001779	Jimmie Davis Bridge (LA 511) (HBI) Design Build Project, Bossier Parish (Sub to James Construction/ Huvall & Associates, Inc.)	\$0
NTB Associates, Inc.	Other (SUE)	4400026587/H.001779	Jimmie Davis Bridge (LA 511) (HBI) Design Build Project, Bossier Parish (Sub to James Construction/ Huvall & Associates, Inc.)	\$223,750

# SECTION 20

## CERTIFICATIONS/LICENSES



DESOTO	PARISH	SECTION	B16-11
DESOTO	PARISH	SECTION	B16-11

**CONCEPT LAYOUT ALTERNATE 2**

**TP**

20. Certifications/Licenses:

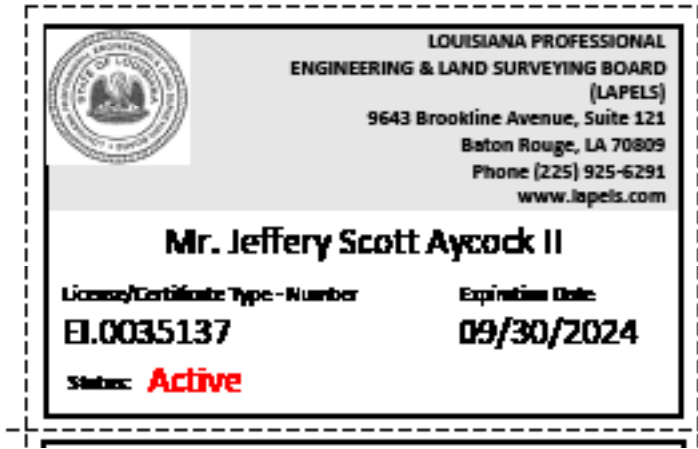
If the advertisement requires submission of licenses and/or certificates, include them here. Otherwise, leave this section blank.

See attached. Staff listed alphabetically.

# Bryan Ardoin



# Jeffery Aycock, EI



Student got a certificate from OnlineFlagger

Aug 08, 2022

Hi Randy, your student, Jeffery Aycock has passed the course with a 100 percent.

You can access all information from your dashboard, by clicking this link [Dashboard](#).

We provided the student with the following information.

Congratulations Jeffery,

You have successfully passed the flagger training course for Louisiana.

We suggest that you print, or save a copy of your temporary certificate on your cell phone, click on the View Certificate button below to make copies.

This temporary certificate is valid until your permanent wallet card arrives in the mail. Wallet cards are mailed to the person that purchased the course unless special shipping arrangements were made.

Keep this email for future reference, and enter this unique verification code 123-57-80007 on the website [STARTFLAGGING.COM](#) to obtain additional copies of this certificate if needed.

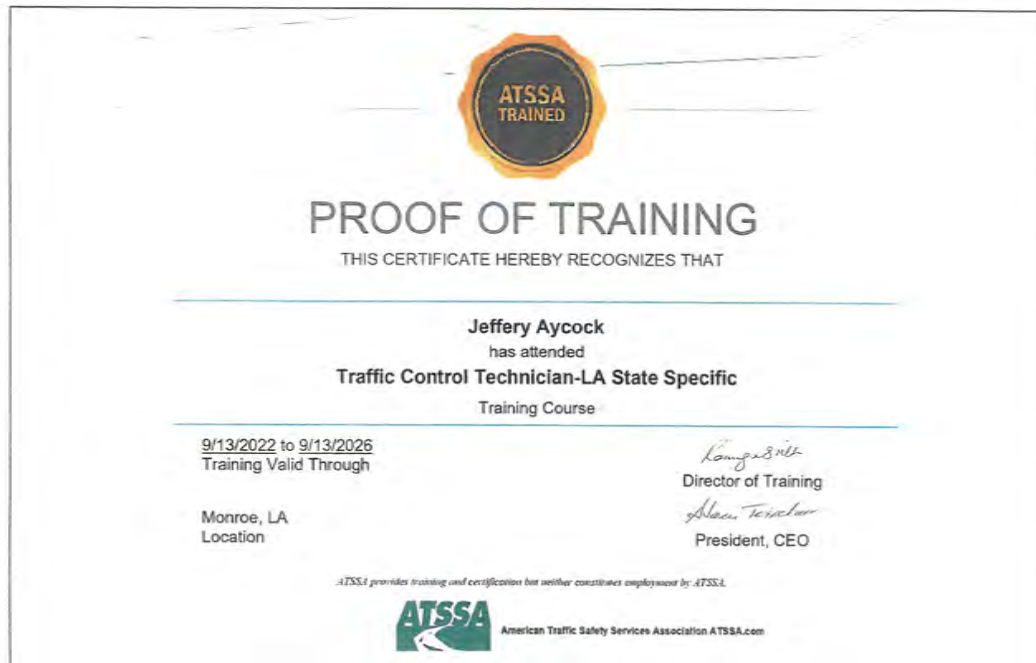
We will mail your wallet card within a few days; please allow the USPS up to 30 days to get it there.

After you receive your wallet card, you must always carry it on your person when flagging traffic.

Reference Certificate Generated Email to Parent



# Jeffery Aycock, EI



# Ashley Beckendorf, PE



LOUISIANA PROFESSIONAL  
ENGINEERING & LAND SURVEYING BOARD  
(LAPELS)

9643 Brookline Avenue, Suite 121  
Baton Rouge, LA 70809  
Phone (225) 925-6291  
www.lapels.com

Ms. Ashley Nicole Beckendorf

License/Certificate Type - Number

PE.0037334

Expiration Date

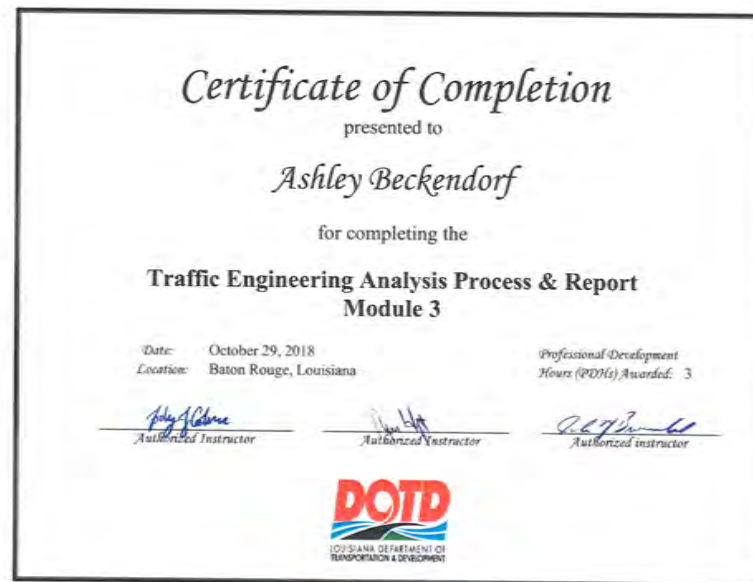
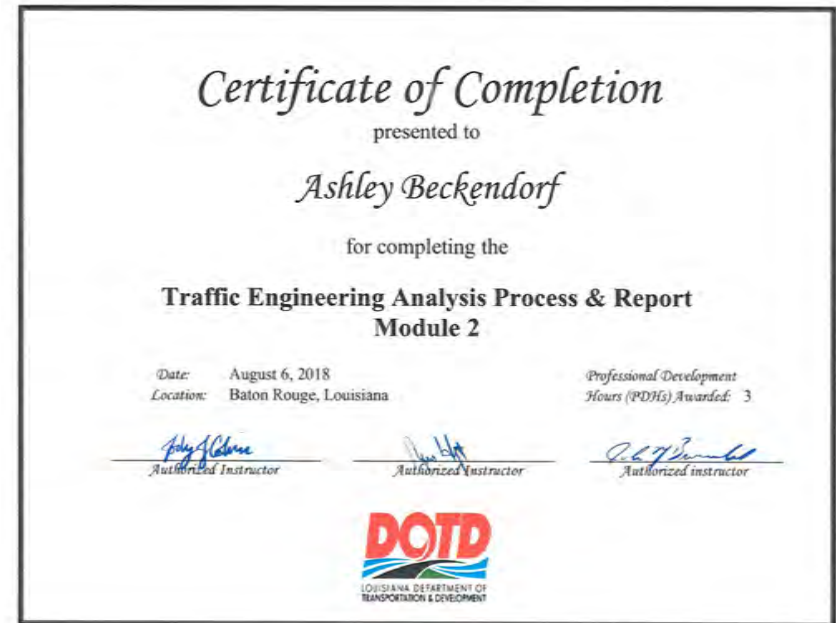
03/31/2025

Status: **Active**

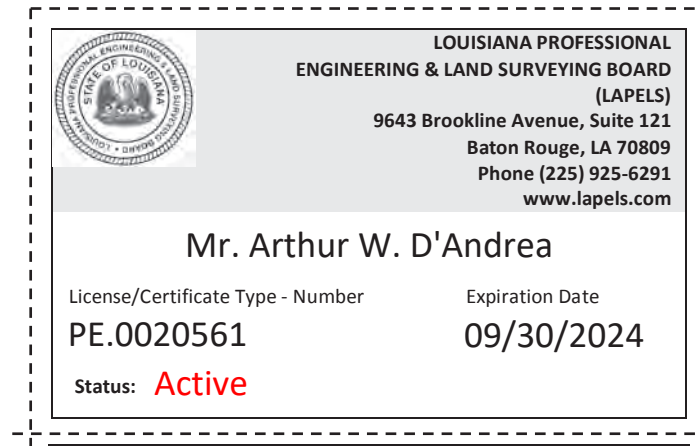





# Ashley Beckendorf, PE



# Artur D'Andrea, PE



# Randy Denmon, PE, PLS



LOUISIANA PROFESSIONAL  
ENGINEERING & LAND SURVEYING BOARD  
(LAPELS)  
9643 Brookline Avenue, Suite 121  
Baton Rouge, LA 70809  
Phone (225) 925-6291  
www.lapels.com

**Mr. Randy Alan Denmon**

License/Certificate Type - Number      Expiration Date  
**PE.0029390**      **03/31/2025**

Status: **Active**



LOUISIANA PROFESSIONAL  
ENGINEERING & LAND SURVEYING BOARD  
(LAPELS)  
9643 Brookline Avenue, Suite 121  
Baton Rouge, LA 70809  
Phone (225) 925-6291  
www.lapels.com

**Mr. Randy Alan Denmon**

License/Certificate Type - Number      Expiration Date  
**PLS.0004798**      **03/31/2025**

Status: **Active**



**ATSSA** American Traffic Safety  
Services Association  
*SAFER. HONOR. SAVE LIVES.*

*This is to affirm that*

**RANDY DENMON**  
*has satisfied the requirements to be designated as a*  
**CERTIFIED FLAGGER**

Issue Date 4/8/2022      Debbie Purcella  
Instructor Name  
Exp. Date 4/8/2026  
State Issued LA      Debbie Purcella  
Instructor Signature

WAF 0017215      Verify at Flaggen.com

CERTIFICATE IS AWARDED TO  
**RANDY DENMON**

Has successfully completed a flagger training course meeting the  
requirement of the


**LOUISIANA DEPARTMENT OF TRANSPORTATION  
& DEVELOPMENT**

on the following date  
**APR 08, 2022**

Valid for 4 years from completion date.  
Expires APR 08, 2026

This temporary/backup certificate is valid with a government issued photo ID.  
Verify this certificate against the information online use the code below to view or print duplicate  
certificates  
**123-57-73837**  
Enter the code to verify this certificate is an original at  
<https://process.onlineflagger.com/duplicate>

# Janet Evans, PE, MBA

 **LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)**  
9643 Brookline Avenue, Suite 121  
Baton Rouge, LA 70809  
Phone (225) 925-6291  
www.lapels.com

**Ms. Janet Leigh Evans**

License/Certificate Type - Number      Expiration Date  
**PE.0021307**      **09/30/2024**

Status: **Active**


 **ATSSA American Traffic Safety Services Association**

*This is to affirm that*

**JANET EVANS**

*has satisfied the requirements to be designated as a*  
**CERTIFIED FLAGGER**

Issue Date 6/26/2023      Instructor Name Debbie Purcella  
Exp. Date 6/26/2027      *Debbie Purcella*  
State Issued LA      Instructor Signature  
V0000215338      Verify at [Flagger.com](http://Flagger.com)

 **LOUISIANA ASSOCIATED GENERAL CONTRACTORS, INC.**  
688 North Street - Baton Rouge, LA 70802  
Phone: 225/344-0432 \* Fax: 225/344-0458  
www.lagc.org

June 17, 2023

To Whom It May Concern,

This is to verify that the below listed employees of Volkert Inc. have successfully completed LADOTD required ATSSA Traffic Control Training.

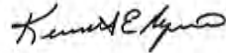
**ATSSA Traffic Control Technician Training - July 11, 2023- Janet Evans**

**ATSSA Traffic Control Supervisor Training - July 12-13, 2023 - Janet Evans**

This letter will serve as temporary proof of training until above listed employees receives their official certificate from American Traffic Safety Services Association (ATSSA).

If there are any questions regarding this issue, please contact Mr. Brett Morgan of LADOTD at Headquarters in Baton Rouge, LA (225-379-1584) or Judy Brousseau at the above captioned address.

Best Regards,



Ken Naquin - LAGC Chief Executive Officer



# Jonathan Gambino, PE, PTOE, RSP1

 **LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)**  
9643 Brookline Avenue, Suite 121  
Baton Rouge, LA 70809  
Phone (225) 925-6291  
www.lapels.com

**Mr. Jonathan Michael Gambino**

License/Certificate Type - Number	Expiration Date
PE.0041496	09/30/2025

Status: **Active**

 **National Highway Institute** 

**Certificate of Training**

**JONATHAN GAMBINO**

*has participated in*

**FHWA-NHI-142005 NEPA and the Transportation Decisionmaking Process**

*hosted by*

**LA DOTD/LTRC**

Date:	November 12-14, 2019	Hours of Instruction:	18
Location:	Baton Rouge, LA		

 Instructor	 Local Coordinator
 Instructor	 Michael Davies, Director National Highway Institute

 **AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION**

*This is to affirm that*

**JONATHAN GAMBINO**

*has satisfied the requirements to be designated as a*

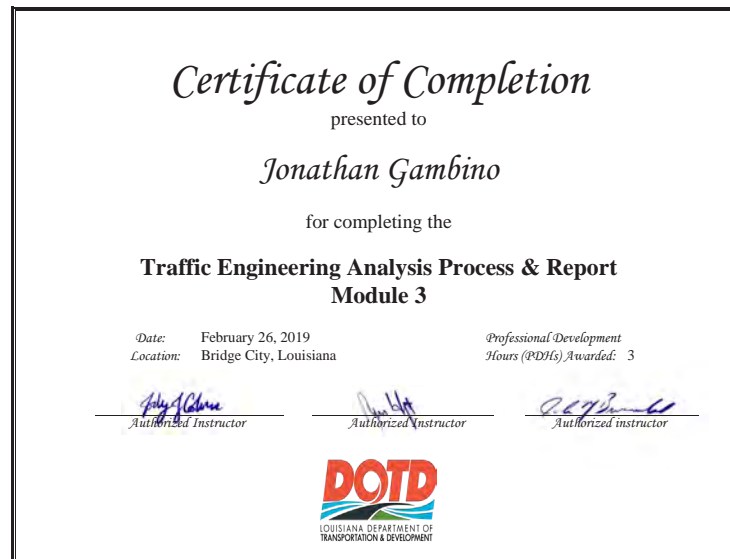
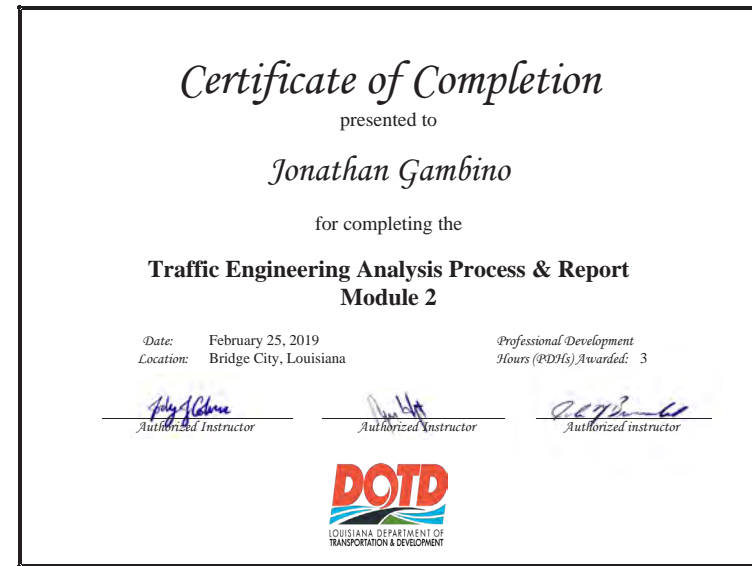
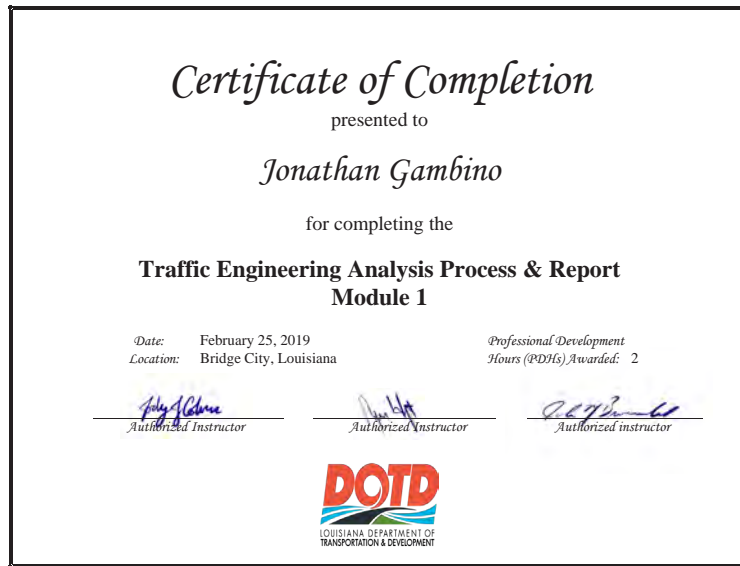
**CERTIFIED FLAGGER**

Expiration Date 3/30/2025 State Issued in LA

  
Debbie Purcell, Signatory

Verification available by calling 1-877-642-4637 or at <http://www.flagger.com>

# Jonathan Gambino, PE, PTOE, RSP1



# Jonathan Gambino, PE, PTOE, RSP1

Transportation Professional Certification Board, Inc.

*certifies that*

**Jonathan Michael Gambino**

*has met all of the requirements established by the Certification Board  
to use the title of*

**Professional Traffic Operations Engineer**

*unless withdrawn by the Certification Board and subject to the provisions for renewal.  
Certificate number 4433 issued in Washington, DC, U.S.A.*

  
Michael H. Park  
Chair



  
Jeffrey F. Panucci  
Executive Director

Transportation Professional Certification Board, Inc.

*certifies that*

**Jonathan M. Gambino**

*has met all of the requirements established by the Certification Board  
to use the title of*

**Road Safety Professional**

*unless withdrawn by the Certification Board and subject to the provisions for renewal.  
Certificate number 587 issued in Washington, DC, U.S.A.*

4/5/2021


  
Deborah Snyder  
Chair



  
Jeffrey F. Panucci  
Executive Director



# Hossein Ghara, PE, MBA



**LOUISIANA PROFESSIONAL  
ENGINEERING & LAND SURVEYING BOARD  
(LAPELS)**  
9643 Brookline Avenue, Suite 121  
Baton Rouge, LA 70809  
Phone (225) 925-6291  
www.lapels.com

**Mr. Hossein Ghara**

License/Certificate Type - Number	Expiration Date
<b>PE.0018899</b>	<b>03/31/2025</b>
Status: <b>Active</b>	



## PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

---

**Hossein Ghara**  
has attended  
**Traffic Control Technician-LA State Specific**  
Training Course

---

4/4/2023 to 4/4/2027 Training Valid Through	 Vice President of Education and Technical Services
Baton Rouge, LA Location	 President, CEO

*ATSSA provides training and certification but neither constitutes employment by ATSSA.*



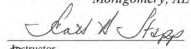
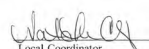
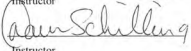
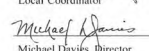
American Traffic Safety Services Association ATSSA.com



**National Highway Institute**  
*Certificate of Training*



**Hossien Ghara**  
*has participated in*  
**FHWA-NHI-142005 NEPA and the Transportation  
Decisionmaking Process**  
*hosted by*  
**Alabama Department of Transportation**

Date: August 27-29, 2019	Hours of Instruction: 18
Location: Montgomery, AL	
 Instructor	 Local Coordinator
 Instructor	 Michael Davis, Director National Highway Institute



## PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

---

**Hossein Ghara**  
has attended  
**Traffic Control Supervisor-LA State Specific**  
Training Course

---

4/5/2023 to 4/5/2027 Training Valid Through	 Vice President of Education and Technical Services
Baton Rouge, LA Location	 President, CEO

*ATSSA provides training and certification but neither constitutes employment by ATSSA.*



American Traffic Safety Services Association ATSSA.com

# Gaston Ibarra, PE



**LOUISIANA PROFESSIONAL  
ENGINEERING & LAND SURVEYING BOARD  
(LAPELS)**

9643 Brookline Avenue, Suite 121  
Baton Rouge, LA 70809  
Phone (225) 925-6291  
www.lapels.com

**Mr. Gaston Alejandro Ibarra**

License/Certificate Type - Number	Expiration Date
<b>PE.0047844</b>	<b>09/30/2025</b>
<b>Status: Active</b>	



**AMERICAN TRAFFIC  
SAFETY SERVICES  
ASSOCIATION**

*This is to affirm that*

**GASTON IBARRA**

*has satisfied the requirements to be designated as a*  
**CERTIFIED FLAGGER**

Expiration Date 4/21/2025 State Issued in LA

*Debbie Perrella*  
Director Signature

Verification available by calling 1-877-642-4637 or at <http://www.flagger.com>



## PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

---

**Gaston Ibarra**  
has attended  
**Traffic Control Technician-LA State Specific**  
Training Course

---

<p style="font-size: 0.8em;">4/6/2021 to 4/6/2025 Training Valid Through</p> <p style="font-size: 0.8em;">Baton Rouge, LA Location</p>	 <p style="font-size: 0.8em;">Director of Training</p>  <p style="font-size: 0.8em;">President, CEO</p>
--	---

*ATSSA provides training and certification but neither constitutes employment by ATSSA.*



American Traffic Safety Services Association ATSSA.com



## PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

---

**Gaston Ibarra**  
has attended  
**Traffic Control Supervisor-LA State Specific**  
Training Course

---

<p style="font-size: 0.8em;">4/7/2021 to 4/8/2025 Training Valid Through</p> <p style="font-size: 0.8em;">Baton Rouge, LA Location</p>	 <p style="font-size: 0.8em;">Director of Training</p>  <p style="font-size: 0.8em;">President, CEO</p>
--	---

*ATSSA provides training and certification but neither constitutes employment by ATSSA.*



American Traffic Safety Services Association ATSSA.com

# Steven Lengefeld



**American Traffic Safety Services Association**  
15 Riverside Parkway, Suite 100 • Fredericksburg, VA 22406-1077  
Office: 540-368-1701 • Toll-Free: 800-272-8772 • Fax: 540-368-1717  
www.atssa.com



# Ryan Ordeneaux, PE



LOUISIANA PROFESSIONAL  
ENGINEERING & LAND SURVEYING BOARD  
(LAPELS)  
9643 Brookline Avenue, Suite 121  
Baton Rouge, LA 70809  
Phone (225) 925-6291  
www.lapels.com

Mr. Ryan Paul Ordeneaux

License/Certificate Type - Number      Expiration Date  
PE.0039476      09/30/2025

Status: **Active**



American Traffic Safety  
Services Association

*This is to affirm that*

**Ryan Ordeneaux**

*has satisfied the requirements to be designated as a*  
**CERTIFIED FLAGGER**


Issue Date 8/8/2023      ATSSA  
Exp. Date 8/7/2027      Instructor Name  
State Issued LA      Instructor Signature

A1000129506

Verify at [Flagger.com](http://Flagger.com)



# Jacob Parker, PE

	<b>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LAPELS)</b> 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com
<b>Mr. Jacob Andrew Parker</b>	
License/Certificate Type - Number	Expiration Date
<b>PE.0030596</b>	<b>09/30/2025</b>
Status: <b>Active</b>	

**Certificate of Training**

*this certifies that*

**Jacob Parker**

*has successfully completed the training  
program requirements for*


**National Flagger Certification Training Course**

Awarded on this **12th** day of **September 2023**

*This certificate is valid for 30 days from the date awarded.*




# Clinton Patrick, PE, PLS

	<b>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LAPELS)</b> 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com
<b>Mr. Clinton Christopher Patrick</b>	
License/Certificate Type - Number	Expiration Date
<b>PE.0040919</b>	<b>03/31/2025</b>
<b>Status: Active</b>	

Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).


LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.

	<b>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LAPELS)</b> 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com
<b>Mr. Clinton Christopher Patrick</b>	
License/Certificate Type - Number	Expiration Date
<b>PLS.0005311</b>	<b>09/30/2025</b>
<b>Status: Active</b>	

Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).

LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.

# Chris Patrick, PE

	<b>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LPELS)</b> 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lpepls.com
<b>Mr. Christopher Wise Patrick</b>	
License/Certificate Type - Number	Expiration Date
<b>PE.0024424</b>	<b>09/30/2025</b>
Status: <b>Active</b>	

Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licenses whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).

LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.

# Ahmed Rageh, PE





# Parker Scheuermann, EI



LOUISIANA PROFESSIONAL  
ENGINEERING & LAND SURVEYING BOARD  
(LAPELS)  
9643 Brookline Avenue, Suite 121  
Baton Rouge, LA 70809  
Phone (225) 925-6291  
www.lapels.com

**Mr. Parker A. Scheuermann**

License/Certificate Type - Number      Expiration Date  
**EI.0034581**                                      **03/31/2025**

Status: **Active**



**Certificate of Training**  
this certifies that  
**Parker Scheuermann**  
has successfully completed the training  
program requirements for  
**National Flagger Certification Training Course**  
Awarded on this    20th    day of    July 2023  
*This certificate is valid for 30 days from the date awarded.*



**PROOF OF TRAINING**  
THIS CERTIFICATE HEREBY RECOGNIZES THAT

**Parker Scheuermann**  
has attended  
**Traffic Control Supervisor-LA State Specific**  
Training Course

8/5/2020 to 8/6/2020  
Date

Baton Rouge, LA  
Location


*[Signature]*  
Vice President of Education and Technical Services

*[Signature]*  
President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.



American Traffic Safety Services Association ATSSA.com



**PROOF OF TRAINING**  
THIS CERTIFICATE HEREBY RECOGNIZES THAT

**Parker Scheuermann**  
has attended  
**Traffic Control Technician-LA State Specific**  
Training Course


8/4/2020 to 8/4/2020  
Date

Baton Rouge, LA  
Location

*[Signature]*  
Vice President of Education and Technical Services

*[Signature]*  
President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.



American Traffic Safety Services Association ATSSA.com



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD  
As of 3/16/2022 the Louisiana Professional Engineering and Land Surveying Board (LAPELS)  
has the following information on file:

Ms. Lynne Elizabeth Roussel  
15421 Campanile Court  
Baton Rouge, Louisiana 70810

**LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD**  
LAPELS  
15421 Campanile Avenue, Suite 122  
Baton Rouge, LA 70806  
Phone (225) 584-6227  
www.lapels.com

**Ms. Lynne Elizabeth Roussel**

License/Certificate Type - Number      Expiration Date  
**PE.0035152**                                      **03/31/2024**

Status: **Active**

Please be advised that your license must be in "Active" status in order for you to act, practice or offer to provide engineering or land surveying services in Louisiana or to use the words "Engineer", "Engineering", "Registered Professional Engineer" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licenses whose license are in "Inactive", "Suspended", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).

L.A.S. 47:688 restricts from practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.

Print and keep the following information for your record or verification. The pocket card may also be printed on card stock or laminated to keep with you as license/certificate verification.



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD  
As of 9/5/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS)  
has the following information on file:

Mr. Albert Y. Ayenu-Prah Jr.  
17732 Highland Road, Suite G-157  
Baton Rouge, Louisiana 70810

**LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD**  
LAPELS  
15421 Campanile Avenue, Suite 122  
Baton Rouge, LA 70806  
Phone (225) 584-6227  
www.lapels.com

**Mr. Albert Y. Ayenu-Prah Jr.**

License/Certificate Type - Number      Expiration Date  
**PE.0037402**                                      **03/31/2025**

Status: **Active**

Please be advised that your license must be in "Active" status in order for you to act, practice or offer to provide engineering or land surveying services in Louisiana or to use the words "Engineer", "Engineering", "Registered Professional Engineer" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licenses whose license are in "Inactive", "Suspended", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).

L.A.S. 47:688 restricts from practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.

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**Disclaimer**  
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LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD  
As of 4/28/2022 the Louisiana Professional Engineering and Land Surveying Board (LAPELS)  
has the following information on file:

Mr. Ryan Ernest Poindexter  
7878 LaSalle Avenue, Apt. 22  
Baton Rouge, Louisiana 70806

**LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD**  
LAPELS  
15421 Campanile Avenue, Suite 122  
Baton Rouge, LA 70806  
Phone (225) 584-6227  
www.lapels.com

**Mr. Ryan Ernest Poindexter**

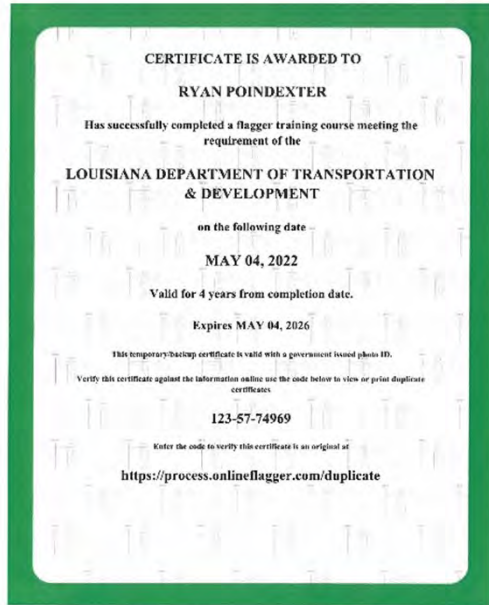
License/Certificate Type - Number      Expiration Date  
**PE.0046385**                                      **03/31/2024**


Status: **Active**

Please be advised that your license must be in "Active" status in order for you to act, practice or offer to provide engineering or land surveying services in Louisiana or to use the words "Engineer", "Engineering", "Registered Professional Engineer" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licenses whose license are in "Inactive", "Suspended", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).

L.A.S. 47:688 restricts from practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.

Print and keep the following information for your record or verification. The pocket card may also be printed on card stock or laminated to keep with you as license/certificate verification.





**LOUISIANA PROFESSIONAL  
ENGINEERING & LAND SURVEYING BOARD  
(LAPELS)**  
9643 Brookline Avenue, Suite 121  
Baton Rouge, LA 70809  
Phone (225) 925-6291  
www.lapels.com

**Mrs. Tanita Melann Gilbert-Baker**

License/Certificate Type - Number	Expiration Date
<b>PE.0029350</b>	<b>03/31/2025</b>
<b>Status: Active</b>	

Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).

LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.




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(LAPELS)**  
9643 Brookline Avenue, Suite 121  
Baton Rouge, LA 70809  
Phone (225) 925-6291  
www.lapels.com

**Mr. Nicholas Anthony LaValla**

License/Certificate Type - Number	Expiration Date
<b>EI.0034919</b>	<b>03/31/2024</b>
<b>Status: Active</b>	

Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).

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**LOUISIANA PROFESSIONAL  
ENGINEERING & LAND SURVEYING BOARD  
(LAPELS)**  
9643 Brookline Avenue, Suite 121  
Baton Rouge, LA 70809  
Phone (225) 925-6291  
www.lapels.com

**Ms. Shirley DeRose Wilson**

License/Certificate Type - Number	Expiration Date
<b>EI.0027786</b>	<b>03/31/2024</b>
<b>Status: Active</b>	

Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).

LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.



**LOUISIANA PROFESSIONAL  
ENGINEERING & LAND SURVEYING BOARD  
(LAPELS)**  
9643 Brookline Avenue, Suite 121  
Baton Rouge, LA 70809  
Phone (225) 925-6291  
www.lapels.com

**Mr. Bryan Keith Joseph**

License/Certificate Type - Number	Expiration Date
<b>EI.0020836</b>	<b>09/30/2023</b>
<b>Status: Active</b>	

Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).

LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.

# Volkert, Inc. Firm Licenses

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

Name: Volkert, Inc.  
Public Address: P. O. Box 7434  
Mobile, Alabama 36670

## License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0002500	Active	03/28/2000	09/30/2024	Mr. Stephen Pence Heraty # PE.0031272 - Active ; Ms. Janet Leigh Evans # PE.0021307 - Active

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

Name: Volkert, Inc.  
Public Address: P. O. Box 7434  
Mobile, Alabama 36670

## License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
VF.0000869	Active	12/13/2021	03/31/2024	Mr. Randy Alan Denmon # PLS.0004798 - Active

# Terracon, Inc. Firm License

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

Name: Terracon Consultants, Inc.  
Public Address: Ms. Barbara Boerner10841 South Ridgeview Road  
Olathe, Kansas 66061

## License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0002749	Active	12/18/2001	03/31/2024	Mr. Zack Lemual Dial III # PE.0034872 - Active ; Ms. Laura Jean Campa # PE.0040847 - Active

---

# EJES, Inc. Firm License

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

**Name:** EJES, Incorporated  
**Public Address:** 201 Wilkinson Street  
Shreveport, Louisiana 71104

## License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0002603	Active	10/17/2000	03/31/2025	Mrs. Tanita Melann Gilbert-Baker # PE.0029350

# EJES, Inc. DBE Certification



Office of the Secretary  
PO Box 94245 | Baton Rouge, LA 70804-9245  
PH: 225-379-1200 | FX: 225-379-1851

John Bel Edwards, Governor  
Eric Kalivoda, Secretary

June 26, 2023

**EJES, Inc.**  
Attn: Edwin B. Jones  
201 Wilkinson Street  
Shreveport, LA 71104

Dear Edwin B. Jones,

The Louisiana Department of Transportation and Development (LADOTD) Compliance Programs Section has received your firm's Disadvantaged Business Enterprise (DBE) annual affidavit. Based on the information, which you provided, it has been confirmed that your firm continues to meet the eligibility requirements of our program and remains certified for only the following specific work categories that fall under the listed NAICS and/or DOTD Work codes:

**NC541330-Engineering Services**  
C09-Civil Engineering

*Please note that per the federal regulations, suppliers only receive 60% goal credit towards the materials they provide. Also, note that any contractor performing work in excess of \$50,000 with the exception of electrical, mechanical and plumbing requires A Louisiana Contractor's License, which are required to have a license if work is in excess of \$10,000. You may contact the State Licensing Board for Contractors at (225) 765-2301 for more information. All participants of the Louisiana Unified Certification Program will recognize your firm's certification. This includes all entities receiving federal transportation funding within the boundaries of our state.*

You will be required to submit an annual affidavit with all supporting documents (**Business taxes with all attachments, such as 1098, 1099, K-1's and/or W-2's**) stating your firm continues to meet the eligibility requirements of the program. An email informing you to submit the necessary documentation will be forwarded to you approximately six (6) weeks prior to your anniversary date, **May 31, 2024**. However, should you not receive notification from this office for your annual affidavit; it is your responsibility to contact us. Additionally, you must notify our office immediately regarding any changes, which affect the social and economic disadvantage, size, ownership or control of your firm.

Louisiana Department of Transportation and Development | 1201 Capitol Access Road | Baton Rouge, LA 70802 | 225-379-1200  
An Equal Opportunity Employer | A Drug-Free Workplace | Agency of Louisiana.gov | dotd.la.gov



# EJES, Inc. DBE Certification

**EJES, Inc.**  
June 26, 2023  
Page 2

The Louisiana UCP certifying entity reserves the right to withdraw this certification, if at any time, it is determined that the **DBE** certification was knowingly obtained by the submission of false, misleading or incorrect data. The Louisiana UCP certifying entity also reserves the right to request additional information and/or conduct an on-site visit at any time during your certification period.

We are pleased to have you as a participant in the LAUCP and wish you much success.

If you have any questions regarding the content of this letter, contact the LADOTD DBE Certification Unit at (225) 379-1382.

Respectfully,

*Rhonda Wallace*

Rhonda Wallace  
DBE/SBE Programs Manager

Enclosure (Certificate)

# EJES, Inc. DBE Certification



## LOUISIANA UNIFIED CERTIFICATION PROGRAM Disadvantaged Business Enterprise Program (DBE)

This is to certify that under Title 49, Part 26 of the Code of Federal Regulations  
& under the State of Louisiana United Certification Program (LAUCP)

**EJES, Inc.**

Is a Certified Disadvantaged Business Enterprise (DBE) in the following specialties:

**NC541330**

*NOTE: There may be other approved NAICS Codes. The online DBE Directory includes a complete list of approved codes.*

**Certificate Eligibility: May 2023 to May 2024**

*This certificate is valid through the above date provided. This firm meets the on-going programmatic standard and fulfills the annual update requirement to remain in good standing as a DBE. This certification is subject to annual verification and suspension or revocation based upon reasonable cause to believe that the firm is ineligible.*

*Rhonda Wallace*

**Rhonda Wallace, DBE/SBE Programs Manager**

*Louisiana Department of Transportation & Development*

# EJES, Inc. MBE Certification

1/11/23, 12:03 PM



UCP Search Results



## UCP SEARCH RESULTS

[New Search](#) [Export to Excel](#)

**Contractor**

**Owner**  
**Certifying Agency**  
**Work Type**

**EJES, Inc.**  
201 Wilkinson Street  
SUITE 700  
Shreveport, LA 71104  
Edwin B. Jones, Sr.  
Department of Transportation and Development  
541330-Engineering Services  
C09-Civil Engineering

**Business Type**  
**Minority Type**  
**Phone**  
**E-Mail Address**  
**Service Type**


**License**  
**FAX**

Minority Business Enterprise

318-670-7275  
ejones@ejesinc.com  
ENGINEERING SERVICES

318-670-7284

# NTB Associates, Inc.

 **SAM,GOV**  
**Entity Workspace Results** 3 Total Results

<b>N T B Associates Inc</b>		
<b>Unique Entity ID:</b> PNS1EJYESPB1	<b>Doing Business As:</b>	<b>Expiration Date:</b>
<b>CAGE/NCAGE:</b> 6RAT9	<b>Physical Address:</b>	Oct 07, 2023
<b>Entity Status:</b> Active Registration	100 BOMBER BLVD STE 2 MOUNTAIN HOME , AR 72653-4626 USA	<b>Purpose of Registration:</b> All Awards
<b>NTB ASSOCIATES INC</b>		
<b>Unique Entity ID:</b> E8PTT4ZELXE3	<b>Doing Business As:</b>	<b>Expiration Date:</b>
<b>CAGE/NCAGE:</b> 1NBV8	<b>Physical Address:</b>	Oct 07, 2023
<b>Entity Status:</b> Active Registration	500D PLEASANT VALLEY DR STE 102 LITTLE ROCK , AR 72227-2151 USA	<b>Purpose of Registration:</b> All Awards
<b>N T B ASSOCIATES INC</b>		
<b>Unique Entity ID:</b> DL8ELAPGQ41	<b>Doing Business As:</b>	<b>Expiration Date:</b>
<b>CAGE/NCAGE:</b> 1PDD3	<b>Physical Address:</b>	Oct 17, 2023
<b>Entity Status:</b> Active Registration	525 LOUISIANA AVE STE 200 SHREVEPORT , LA 71101-5449 USA	<b>Purpose of Registration:</b> All Awards



## Louisiana Professional Engineering and Land Surveying Board

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

<b>Name:</b>	<b>Public Address:</b>
NTB Associates, Inc.	Mr. Paul Rossini/525 Louisiana Avenue Shreveport, Louisiana 71101

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
VF.0000451	Active	02/15/2000	09/30/2024	Mr. Paul Brian Rossini # PLS.0004731

# NTB Associates, Inc.



## Louisiana Professional Engineering and Land Surveying Board

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

Name:	Public Address:
NTB Associates, Inc.	Mr. Paul Rossini 525 Louisiana Avenue Shreveport, Louisiana 71101

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0002481	Active	02/15/2000	09/30/2024	Ms. Amy Kathleen Schulze # PE.0030295

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## Louisiana Professional Engineering and Land Surveying Board

### License Information

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

Name:	Address:
Mr. Paul Brian Rossini	525 Louisiana Avenue Shreveport, Louisiana 71101

License/Certificate Information

License	Status	First Issuance Date	Expiration Date	Listed Discipline(s)
PLS.0004731	Active	06/07/1994	09/30/2024	

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# NTB Associates, Inc.



*Louisiana Professional Engineering and Land Surveying Board*

**License Information**

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

Name:		Address:	
Mr. Bryan Turner Bunch		1409 Worsham Drive Zachary, Louisiana 70791	

License/Certificate Information

License	Status	First Issuance Date	Expiration Date	Listed Discipline(s)
PLS.0005014	Active	12/02/2009	03/31/2024	

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*Louisiana Professional Engineering and Land Surveying Board*

**License Information**

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

Name:		Address:	
Mr. Michael Joseph King		8643 Main Street Zachary, Louisiana 70791	

License/Certificate Information

License	Status	First Issuance Date	Expiration Date	Listed Discipline(s)
PLS.0005127	Active	01/28/2015	09/30/2025	

# NTB Associates, Inc.



## Louisiana Professional Engineering and Land Surveying Board

### License Information

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

Name:	Address:
Mr. Grant Houston Gileon	125 Pineknoll Point Hot Springs, Arkansas 71913

License/Certificate Information

License	Status	First Issuance Date	Expiration Date	Listed Discipline(s)
PLS.0004976	Active	12/05/2007	03/31/2024	

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## Louisiana Professional Engineering and Land Surveying Board

### License Information

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

Name:	Address:
Ms. Amy Kathleen Schulze	7194 Lakeland Drive Zachary, Louisiana 70791

License/Certificate Information

License	Status	First Issuance Date	Expiration Date	Listed Discipline(s)
PE.0030295	Active	09/09/2002	03/31/2025	Civil Engineer

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## CERTIFICATE OF COMPLETION

THIS IS TO ACKNOWLEDGE THAT

*Amy Schulze*

HAS SUCCESSFULLY COMPLETED THE CLASSROOM AND FIELD TRAINING REQUIREMENTS,  
AND IS DULY AWARDED THE CERTIFICATE OF COMPLETION FOR

*The 7<sup>th</sup> UESI Utility Investigation School*

*40 Professional Development Hours (4 CEUs)*

*Held in Ruston, LA, March 2-6, 2020*

*On this 6<sup>th</sup> day of March 2020*

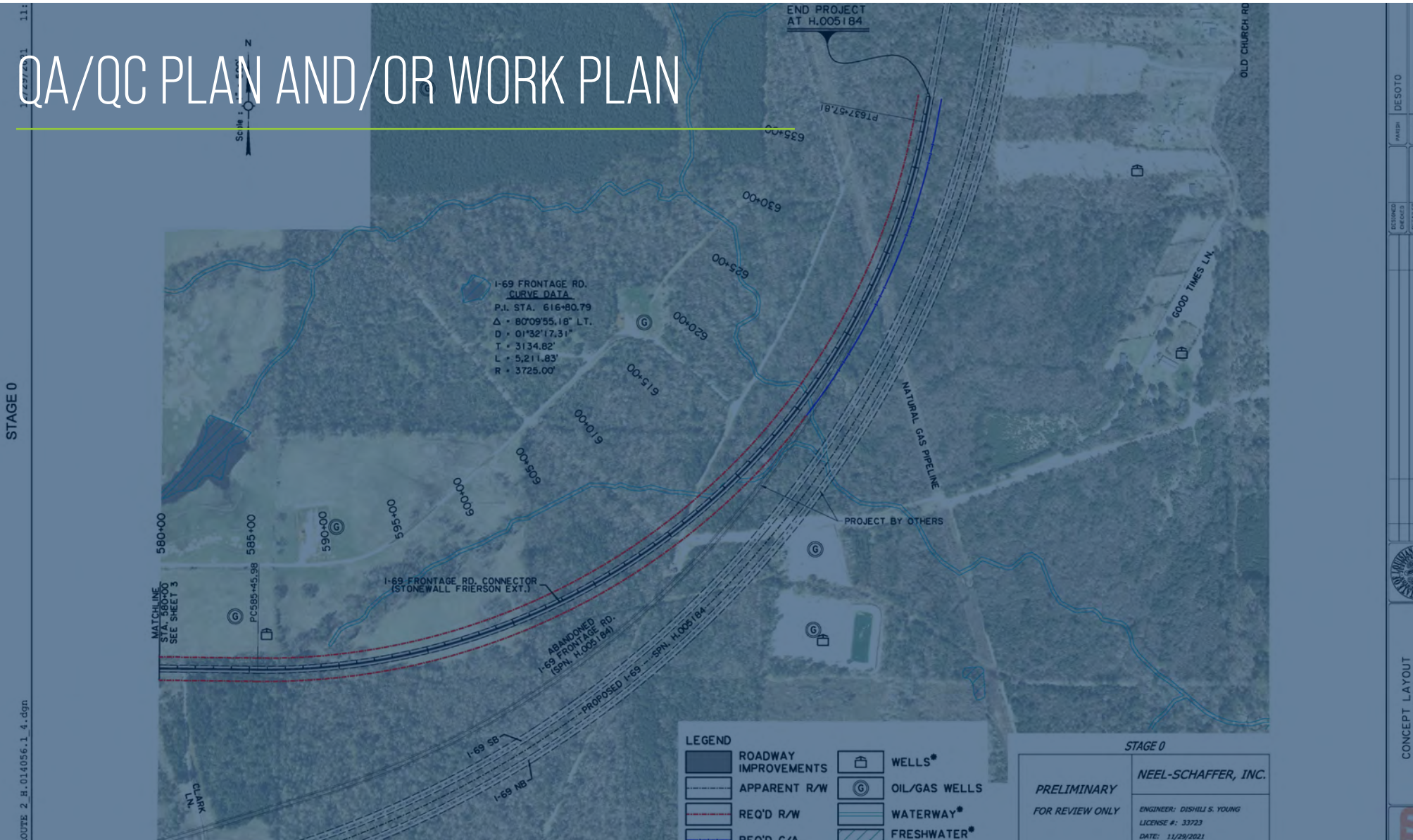
*Tom Insley*  
 Tom Insley, P.E., P.S., Dist. M., ASCE, PWAM  
 Professor Emeritus, Louisiana Tech University  
 Director of Development, Trenchless Technology Center  
 Chair, ASCE Board of Directors

*Andrew Sykes*  
 Andrew Sykes  
 President/Technical Subcontract Utility Engineering (PE/CE) Registration  
 Surveying And Mapping, LLC (PAMS/S&M) District Lead  
 UESI/ASCE Subcontract Utility Engineering & Investigation Committee

LOUISIANA TECH UNIVERSITY

# SECTION 21

## QA/QC PLAN AND/OR WORK PLAN





21. QA/QC Plan and/or Work Plan:

If the advertisement requires submission of a QA/QC plan or Work plan, include them here. Otherwise, leave this section blank.

See attached.

**QUALITY ASSURANCE / QUALITY  
CONTROL PLAN**  
DOCUMENTATION MANUAL FOR PROJECT DELIVERY



**Engineering & Related Services, Contract No. 4400027735**

**State Project H.005184; Federal Aid Project Number H005184**  
**I-69 Frontage Road (Stonewall Frierson to Ellerbe Road)**  
**Route: Future State Hwy**  
**Parish - Caddo and DeSoto**

**State Project H.014054; Federal Aid Project Number H014054**  
**I-69 Frontage Road Connector (Ellerbe Rd. To La 1)**  
**Route: Future State Hwy**  
**Parish - Caddo**

**State Project H.014056; Federal Aid Project Number H014056**  
**I-69 Frontage Road Connector (Stonewall Frierson)**  
**Route: Future State Hwy**  
**Parish - DeSoto**

Prepared By:

**VOLKERT**

9448 Brookline Ave.  
Baton Rouge, LA 70809  
225.218.9440

October 3, 2023

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# Bridge Design QC/QA Plan

## A. Understanding of Consultant's and DOTD's Role in QC/QA of Consultant's Work

Volkert's goal for this project is to contribute to a quality set of preliminary and final bridge construction plans and documents for the Louisiana Department of Transportation and Development (DOTD), construction cost estimate and related specifications with descriptions of nonstandard pay items as required.

There are two (2) existing and two (2) new bridge structures in this project. Based on the feasibility study, the two existing structures are assumed to be replaced to meet the current design requirements. This is a reasonable assumption, considering that both Chico Bayou Relief and Bayou Pierre are although in reasonably decent structural condition, nevertheless they are narrow and without shoulders. A more detailed evaluation of both structures such as their load carrying capacity and functional classification will be made to establish the need for their widening or replacement which will include the impact of each in traffic and construction cost.

Volkert is committed to achieving the highest levels of quality through continuous review of internal processes and employee training. To ensure the implementation and maintenance of a controlled quality assurance process, Volkert has established performance measures that can be tracked, evaluated, and improved. The company recognizes that quality assurance is the responsibility of every employee, and thus strives to make quality assurance an integral part of every process. All employees are individually responsible for the quality of their work and for proactively improving their professional skills.

Volkert utilizes a system of quality assurance based on the principles of Deming's Total Quality Management (TQM). The first and most important segment of the quality plan will be the implementation of team-wide quality assurance measures, which are based on the TQM principle, "build quality into the product the first time around". The accomplishment of this portion of the plan will be the responsibility of every member of the project team.

It is understood that Volkert is fully responsible for QC/QA of their work and no other entity is responsible for performing QC/QA of Volkert's work, including DOTD. The data being produced for the project including the construction plans, reports, quantity computation, and design documentation will be produced in accordance with current DOTD and Volkert practices and procedures and will be checked by a staff person who is not directly associated with the development of the work product. Utilizing the processes outlined in the following sections, Volkert intends to build quality into their bridge plans from the beginning to minimize time and effort spent later in construction.

## B. Understanding of the QC/QA Concepts in Bridge Design

The primary objective of the processes set forth in this document is to provide a mechanism by which the plans can be subject to a systematic and consistent review. The outcome of the review should create a set of quality project plans which would be substantially error free. A secondary objective

is to provide information feedback from reviews to improve expertise and knowledge. Another secondary objective is to provide for a well-documented “trail” of the design process.

The following are the definitions of the QA/QC Process:

**Quality Control (QC):** The procedures of checking the accuracy of the calculations and consistency of the drawings, detecting and correcting design omissions and errors before the design plans are finalized.

**Quality Assurance (QA):** The procedures of reviewing the work to ensure the quality controls are in place and effective in preventing mistakes, and consistency in the development of design plans and specifications.

Design documentation procedures will be submitted to DOTD, in a Design Documentation Booklet format. The design documentation is stored in a central location, accessible by all project team members. Maintenance of all records and documenting decisions regarding bridges Type, Size, and Location is essential to the quality control process. Design documentation and the organizational structure should be such that someone totally unfamiliar with the project could follow the decision made on the project by reviewing the documentation.

### **C. Responsibilities of Designers, Checkers, and Engineer of Record**

To accomplish effective Quality Control and Quality Assurance, for the two (2) new bridges and two (2) existing bridges potentially to be replaced specified in the RFP, there are key personnel responsibilities as described below.

**Project Manager (PM):** The person responsible for the planning, coordination and controlling of a project from inception to completion, meeting the project’s requirements and ensuring that each project is completed on time, within budget, and to required quality standards. The PM is typically responsible for the distribution of review prints at the phase reviews. The PM ensures that all comments have been satisfactorily addressed and that all forms and checklists have been completed by the appropriate personnel.

**Engineer of Record (EOR):** The individual who is responsible for all aspects of the design and maintains frequent contact and communication with the client. This individual will be a licensed professional engineer. The EOR will seal and sign the final contract plans. The EOR directs technical staff and allocates resources to various elements of the work. The EOR establishes and implements the Project Quality Control Plan, schedules the various quality control activities, and adjusts the QA/QC plan as the work progresses. The EOR is responsible for technical review and approval of project documents and identifies the Quality Control personnel required for each review. This project will have a specific EOR for Bridge Design and plan development.

**Designer:** An individual directly responsible for the development of design calculations, drawings, specifications, and contract documents. The designer will be assigned a level of technical skills and experience commensurate with the complexity of the work. If not a licensed engineer, the designer should work under the direct supervision of a Professional Engineer. An individual with a Louisiana Professional Civil Engineer License is desired.

**Drafter/Detailer:** An individual who prepares drawings under the direction of an assigned Designer.

**Checker:** An individual responsible for performing a full technical review of the design calculations, drawings, specifications, and contract documents. An individual with a Louisiana Professional Civil Engineer License is desired. Checkers may have prepared a portion of the product, but not the portion they are reviewing. Checkers must, however, have expertise of the area they are checking. For example, a traffic engineer shall not check the bridge plans no matter if he is a licensed engineer.

**Reviewer / Quality Assurance Manager:** An engineer or manager with general experience in design whose primary responsibility is to approve the initial Project Quality Control Plan and periodically performs unannounced QA reviews to ensure the plan is being adhered to, and to document deficiencies and recommend improvements to the Project Manager, Engineer of Record, or the Designers, as appropriate.

### **Control of Sub-consultants**

Sub-consultants will follow this Project Quality Control Plan or submit their own quality control plan for review. Sub-consultants will submit their product to Volkert prior to submittal to the client for review as part of the quality control process. Comments by the checker(s) will be submitted to the sub-consultant for correction as needed.

## **D. Description of the QC and QA Process and its Effectiveness to Ensure the Accuracy of the Design and the Plan Details**

### Our Quality Control Review Process and Procedures

A quality set of bridge plans must be complete, consistent, clear, correct, and constructible. The following guidelines should define a quality set of bridge plans:

- The plans will be an accurate and thorough representation of the existing project site and terrain features.
- The plans will be an accurate and thorough representation of the proposed project features and details to be constructed.
- The plans will be supported by a thorough and detailed documented development process.
- The plans will be developed with the active involvement of all affected parties throughout all stages of development.
- The plans will be consistent with other plans developed by and for DOTD and will comply with all standards and guidelines set by the DOTD design manuals, AASHTO design guidelines and electronic standards.
- The plans comply with project requirements.
- The plans are technically accurate.
- The plans are compatible with other associated project documents such as the Environmental Document
- The plans comply with previous review comments.

There are three principal project elements which are required to be comprehensively checked for any submittal. These elements are Calculations, Drawings, and Reports. Although there is often an overlap among Calculations, Drawings, and Reports, their Quality Control processes are described below.

### Calculations

All primary structural components must be calculated and checked in detail, including superstructure, bearings, joints, and substructure components. In a similar fashion, all critical highway design elements and calculations must be documented and checked in detail.

To facilitate Quality Control Reviews, the designer must prepare a Design Criteria Checklist in accordance with the items listed in the Design Criteria Checklist attached to this document. This Design Criteria Checklist supplements the general criteria for quality plans listed in this document.

Manual calculations will be prepared in pencil. Calculations may also include other forms, charts, graphs, data sheets, computer printouts, etc. Calculations will include documentation of all assumptions of the bridge design including general conditions and loadings. Calculations will also include reference to or copies of all criteria, pertinent information, related drawings, etc. All calculations should include an entry at the top right corner of each sheet for the designer to sign and date following completion of the design and checker to sign and date following their review. If the designer revises the design after it has been checked he will erase the signature and date of the checker and resubmit the design for review.

Volkert will utilize DOTD approved software where applicable. Prior to using any new spreadsheets or computer software to complete calculations that will be used for design, the calculations produced from the software will be thoroughly checked and compared against manual calculations or previously approved computer generated calculations. Assumptions and criteria must be well-documented in report form.

Utilizing a team approach to design of these bridges allows for all design calculations to be backchecked in a timely manner. The designer will submit the design to a checker as early as reasonable to minimize mistakes. The Checker will review the design according to the requirements of the Design Criteria Report and other requirements. Minimum items to be checked are the logic and methodology of calculations, the assumptions and design criteria, and accuracy and correctness. Review of computer-generated calculations will include a manual spot check for completeness, accuracy, and compliance with standards.

The checker will submit comments to the Designer and Project Manager. Any questionable designs or disputes with the Checker must be resolved by the designer to the Project Manager's satisfaction and documented by a Peer Review Dispute Resolution Agreement. The designer shall prepare a Quality Control Review Memorandum documenting the basis of the review, the specific items that were reviewed, the findings of the review, and the follow-up, if any, that was accomplished.

Due to the conceptual nature of the Preliminary Design phase, detailed independent technical reviews of calculations of some bridge elements do not need to be conducted until Final Design.

Provided that we are supplemented for the final plans, at the completion of the Final contract drawings, provide a set of design calculations for all structural elements, sealed/stamped, and signed by the Engineer of Record for the project in accordance with the requirements of the state. A checklist for the Final Calculations Book is provided as an attachment to this document.

### Drawings

The deliverables for this project will include the Preliminary Bridge Plans for DOTD approval and if required will progress to the development of the Final Bridge Plans and Construction Support for the construction phase.

To facilitate Quality Control Reviews, the designer will prepare a written Plan Review Checklist at the onset of work. The checklist will be prepared based on the data provided in DOTD current *Plans Preparation Manual* and other project requirements to ensure that the sheets contain the required data. This Plan Review Checklist will supplement the general criteria for quality products listed in this document.

Bridge Plans will be prepared by a drafter or detailer under the direction of an assigned Designer. The plans are developed progressively by an iterative process using sources of information such as survey data, reports, record data, preliminary sketches, samples, etc. in conformance with the project requirements, design criteria, and standards and guidelines required by DOTD. Before a plan sheet is considered readied for the quality control (QC) process, the sheets will be checked by the Designer for conformance with design criteria and project requirements; completeness and clarity; coordination with other aspects of the project; compatibility with standards, good plans preparation practice; and coordination with project elements being developed or planned development on adjacent projects. The Designer review will evaluate the design from an engineering perspective, questioning Value Engineering (VE), constructability, and conformance with design, and coordination of the design throughout the project.

Following confirmation that the plan sheets are complete the QC process will begin. The QC review is not intended to replace the required design reviews accomplished each day as the project is being developed. Volkert's will establish a project team that is knowledgeable of the design criteria and is experienced with similar types of projects. The project team works together to design and review the project on a day-to-day basis.

The first step of the QC process is for each plan sheet to be checked by the Checker against the Plan Review Checklist. A checklist will be included in the appendix of this document. The checklist review will be used to confirm all required data is included on the sheet and the data is coordinated throughout the plan assembly. Concurrently with the Checker(s) review the Engineer of Record will review the design for overall conformance with the project scope and consistency of the design throughout the plans.

After any required changes are made, the names or initials shall be placed on the drawings indicating the individual who prepared the drawing, the drawing checker (if different than the designer), the designer, the design checker, and reviewer, if applicable.



Volkert technicians are proficient with the DOTD CADD Standards. Volkert utilizes MicroStation/Altiva CAD conform software to be DOTD standard compliant.

After completion of the project, Volkert will provide the DOTD with appropriate CADD-developed information. This will include data files and graphics in an electronic format that is compatible with the DOTD's CADD manual.

Signing and Sealing of the plans by the EOR would follow state requirements.

### **Reports**

The designer will prepare an outline as the first step in the preparation of all reports. The outline will be submitted to the EOR for approval. The outline will be reviewed for duplication and overlap, focus on the major issues, and consistency of format and structure. Once the report is complete in draft stage, the designer will send the report to the checker(s), including one copy to the engineer of record. The checkers will be given a deadline for completing the review.

The checker(s) will date and sign the cover page of the report following completion of their review and will mark all comments and correction in red pen. The designer will confirm and revise the report based on the noted corrections and comments, add any additional comments or corrections as needed, and consult with the checker(s) to resolve any conflicts. The designer will finalize the report by obtaining a new copy of the report once all corrections are completed and ensure all comments and corrections noted by the checker(s) have been incorporated into the report.

In addition to the project submittal reviews described above, there are several other QC practices that should be followed to produce a quality product in a professional manner. These guidelines should be addressed, and the required reviews should be completed on an as-needed basis.

### **Correspondence**

Volkert's Project Manager or assigned public document coordinator will review any correspondence that is prepared for external customers (i.e., public letters, letters to public officials, correspondence with property owners, etc.). The review shall include spelling, grammar, punctuation, sentence structure, correct address, and title. The goal is accuracy, simplicity, and uniformity. All correspondence shall always include the DOTD Project IDs when referring to a project. Also, the PM and/or the public document coordinator will review data to be displayed at public meetings and presentations to local governments.

### **Constructability Reviews**

Based on previous experience, Volkert understands the need to evaluate project constructability during the design process. Volkert Designers consider how the project will be constructed and paid for, including scheduling requirements, sequencing, phase conflicts, change order potential, construction means, contracting strategy, environmental constraints, and construction materials/fabrication requirements. The design documentation will include a discussion on the construction of the project. In addition to staffing the project with experienced designers, Volkert will utilize in-house construction inspection personnel (CEI) to review the design for

constructability. These experienced CEI personnel provide Volkert designers with an accessible data source.

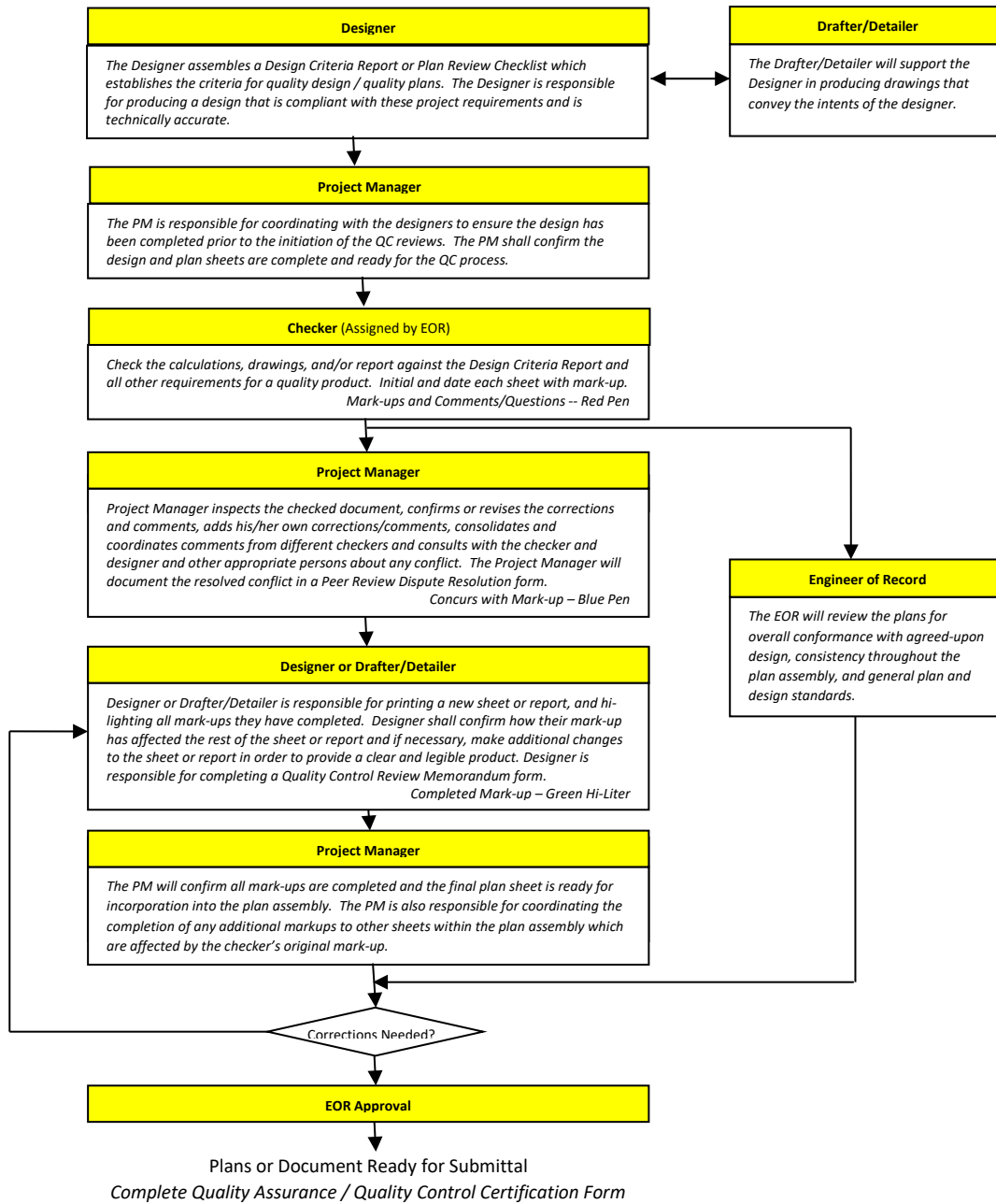


Fig. 1: Quality Control Process Flowchart

An informal review following the 60% preliminary plan submittal will include a review of the constructability of the horizontal and vertical alignments, the phasing of the project, the feasibility of maintaining traffic, conflicts with drainage and utilities, etc. In the final plan development stage, formal, documented review following the Advance Check Plan (ACP) will include a review of the method of payment for work to be completed, the conflicts to be anticipated with existing and proposed facilities, methods to minimize conflicts with drainage and utilities, and the maintenance of traffic.

### **Field Reviews**

Volkert realizes that timely and effective field reviews are essential for the development of high-quality construction documents. We want to ensure that each review is conducted in an efficient and comprehensive manner, so that the information collected is readily available for reference as the construction plan set is assembled.

Volkert typically conducts field reviews prior to critical junctures during the project. Chico Bayou Relief and Bayou Pierre are two existing bridge structures that according to the Feasibility Study are in generally good condition, however due to their narrow width and lack of shoulders, on final inspection and analysis, will be removed and replaced with new structures.

If needed, prior to the field review the project manager will determine the goals of the field review and then assign the personnel that will participate in the review. Typical Field Review checklists are located on the Volkert Intranet under the Checklist. Prior to departing for the project site, the checklist will be reviewed so the appropriate tools, equipment, and materials are readily available on site during the field review. Any person visiting a project site should check out any appropriate safety equipment. The local stakeholders shall be notified prior to any field visits.

As a part of the field review, when it is conducted, photographs will be taken to document field conditions and items of concern. Photographs are valuable for future reference and to record existing conditions at the time of the review. The field review will be documented to include notes taken during the field review. The notes will consist of answers to specific questions determined beforehand, as well as issues discovered during review. Following the field review, the information gathered in the field is summarized and documented (with photographs) in report form, including a summary of the findings during field review and disposition of items noted during the field review.

### **Meetings**

Another aspect of quality control concerns the accurate documentation of events that occur during the time that the project is active. Documentation involves the recording of meeting minutes and telephone conversations, which concern the project.

Volkert will prepare minutes for each meeting and field review conducted. The minutes will document the decisions and discussions that transpired at the meeting. At least two project team members and the project manager will typically represent Volkert at meetings. The minutes will be prepared and submitted to the DOTD's project manager for review and approval prior to finalizing and distributing the minutes.

The accurate recording of verbal decisions reached, or instructions that are given, is very important to both Volkert and the stakeholders. Volkert 's staff will use Volkert's interoffice memo form, or e-mails to document calls that are made or received concerning these projects.

### **Project Coordination**

Project coordination with the DOTD project manager will be on an "as needed" basis to ensure the DOTD project manager is aware of the status of the project. In addition, Volkert will submit periodic progress reports to the project manager, or designated person, informing him of the work completed in the current reporting period, work to be completed within the following period, a listing of items previously requested but not yet received, and a listing of milestones and dates.

### **Disposition of Comments**

All comments made by external reviewers will be formally addressed. The responsible Designer will respond to the comment. Upon reviewing the comment, the Designer will prepare a draft response and if needed coordinate with the Engineer of Record to determine the required revision prior to initiating a plan modification. The response will be formatted in a manner that identifies the document reviewed, the date, and the reviewer. A copy of the comments will be returned with each repeat submittal. Prior to submittal, the Engineer of Record will review the document for conformance with the disposition of comments.

### **Special Provisions**

All relevant special provisions shall be identified by the appropriate author in responsible charge and checker. Formatting of special provisions should follow DOTD requirements.

The Value Engineering study is conducted in Preliminary Design as an independent conceptual review of the project to supplement internal design team reviews.

### **Quality Assurance Reviews Process and Procedures**

Quality Assurance will include a review to ensure compliance with the QC plan. The quality assurance review will include review of the project and interviews with the DOTD Project Manager and at least one key Volkert project staff member. The interview outline is included in this document. The documentation from the QA review will be included in this Documentation Manual following the completion of the QA review. QA reviews will be performed by the Reviewer/Quality Assurance Manager at least once during the 30% or 60% phase and once during the 90% or 100% phase or in any other periods established by DOTD Project Manager to determine if the Project Quality Control Plan is being followed. The QA review will at a minimum consist of the following:

---

- Confirm personnel have been assigned to the project with an acceptable level of expertise for the design and review processes and that the design personnel are familiar with the Project's Quality Control Plan.

- Confirm the appropriate level of review and cooperation in the design, and constructability review has occurred.
- Review documentation concerning the level and quality of communications accomplished during the design process.
- “Spot check” disposition of comments to confirm that an appropriate and complete response has been provided.
- Meet at least once with the DOTD project manager to discuss the effectiveness of the quality control plan and determine required changes to the plan.
- Document in writing quality control deficiencies, document the plan of action in coordination with the Engineer of Record to resolve the deficiencies, and follow-up to ensure the plan of action is installed.

The Quality Assurance process also includes participation in field engineering reviews during design, construction, and in-service. It also includes ongoing review by the Project Manager to ensure that the appropriate levels of review have occurred for constructability, biddability, value engineering, Construction cost estimate, and project documentation.

**E. Identification of Personnel Qualified to Perform the Bridge Design and QC/QA of the Design and Plan Details**

Jacob Parker, PE, a former DOTD bridge engineer with more than 20 years of experience designing simple and complex bridges will be the EOR for this project. His complete understanding of DOTD Bridge Design Policies and Procedures provides value to our team of designers and technicians.

Hossein Ghara, PE, former DOTD Bridge Design Engineer, with 45 years of bridge design experience, will provide QC and QA reviews over the bridge design, plans and Construction Services process.

Randy Denmon, PE, formerly associated and recognized with the name Denmon Engineering, now with Volkert, is a highly experienced Civil Engineer and a Licensed Surveyor. Randy presides over Volkert’s office in Monroe and his familiarity with this project, its location, the Caddo and Desoto parishes and their organization/personnel, and several of its stakeholders is invaluable to the effective communication and success of this project. Randy and his staff will provide the required Surveying information.

**Table 1: QC/QA Personnel Initial Areas of Responsibility Assigned**

Discipline	Designer	Checker (QC)	Reviewer (QA)	EOR
<b>Bridge Design and plans</b>	Artur D'Andrea, PE Ahmad Rageh, PhD, PE	Jacob Parker, PE Jacob Parker, PE	Hossein Ghara, PE Hossein Ghara, PE	Artur D'Andrea, PE Ahmad Rageh, PhD, PE
<b>Topographic Survey</b>	Randy Denmon, PE, PLS Paul Rossini, PLS	Steve Lengefeld Brian Bunch, PLS	Bryan Ardoin Mike King, PLS	Randy Denmon, PE, PLS Paul Rossini, PLS
<b>Geotechnical Investigation &amp; Design</b>	Ryan Poindexter, PE	Lynne Roussel McMillan, PE	Albert Ayenu-Prah, Jr., PhD, PE	Lynne Roussel McMillan, PE
<b>Bridge Hydraulics &amp; Scour Analysis</b>	Shirley Wilson, EI	Tanita Gilbert-Baker, PE	Hossein Ghara, PE	Tanita Gilbert-Baker, PE

**F. Use of QC/QA Tools, Such as Checklists, Standard Forms, Training Materials, Etc.****Typical Phase Review Guidelines**

The following forms and checklists will provide the basis for developing and completing each one of the projects Phase review activities. Submittal review frequencies may be modified based on the DOTD preference.

## **Consultant Submittal Review Checklist**

**Consultant Submittal Review Checklist**

Items	Submittals													
	Design Criteria	TS&L	30% PP	60% PP	90% PP	100% PP	30% FP	60% FP	90% FP	100% FP	Final Calculation Book	Plan Revisions	Change Orders	
Consultant Submittal QC/QA Certification			R	R	R	R	R	R	R	R	R	R	R	
Design Criteria	C													
TS&L		C												
Bridge Index			D	D	D	D	D	D	C	S				
General Notes			D	D	D	D	D	D	C	S				
Summary of Estimated Quantities			D	D	C	C	D	D	C	S				
General Plans			D	D	C	C	C	C	C	S				
Typical Sections			D	D	C	C								
Superelevation Diagram				D	D	C	C	C	C	S				
Construction Phasing Details				D	D	C	C	C	C	S				
Traffic Controls Details				D	D	C	C	C	C	S				
Foundation/Pile Layout				D	D	C	C	C	C	S				
Pile Loads/Details					D	D	D	C	C	S				
Pile Data Tables							D	D	C	S				
Bent Details							D	D	C	S				
Fender Details							D	D	C	S				
Girder Details							D	D	C	S				
Span Details							D	D	C	S				
Joint Details								D	C	S				
Bearing Details								D	C	S				
Approach Slab								D	C	S				
Guardrail Details								D	C	S				
Bridge Barrier/Railing Details								D	C	S				
Bridge Drainage Details								D	C	S				
Detour Bridge Details								D	C	S				
Revetment Details								D	C	S				
Signing/Lighting Details								D	C	S				
Year Plate								D	C	S				
Rebar Support								D	C	S				
Misc. Details								D	C	S				
Project Specific Standard Plans and Special Details								D	C	S				
Electrical/Lighting Details								D	C	S				
Mechanical Details								D	C	S				
As-Built Plans								D	C	C				
Special Provisions/NS-Items							D	D	C	C				
Cost Estimate					D	D	D	D	C	C				
Final Calculations											S			
Revised Plans/Calculations												S	S	

Legends:

- "R" ■ The item is required and shall be included in the submittal.
- "C" ■ The item shall be complete and shall be included in the submittal.
- "D" ■ The item shall be in development and shall be included in the submittal.
- "S" ■ The item is stamped by the EOR and shall be included in the submittal.



### **G. Typical Final Calculation Book Checklist (Final Design Only)**

The final calculation book for each project shall include, but not limited to, the following sections:

— **Cover Sheet**

The following information must be included on the cover sheet:

- DOTD project number
- Project name
- The title of “Final Calculation Book”
- The EOR’s seal with signature and date

— **Final Calculation Book Check List**

— **QC/QA Certifications**

— **Peer Review Resolution Agreement (if peer review is performed)**

— **Design Criteria**

— **Final Hydraulic Analysis Report from Hydraulic Engineer**

— **Final Geotechnical Analysis Report from Geotechnical Engineer**

— **Superstructure Design Calculations**

— **Substructure Design Calculations**

— **Quantity Calculations**

— **Special Provisions/NS-Items**

— **Construction Cost Estimate**

— **As-Designed Rating Report**

— **List of All Final Electronic Design Files and File Locations (ProjectWise directory name)**

Consultants shall submit the final calculation book to DOTD bridge task managers; the submittal shall be on a CD or Flash Drive or placed to a designated ProjectWise folder including the following information:

— **A PDF File of the Calculation Book**

— **All Electronic Design Files**

— **A PDF File of the As-Designed Rating Report Only**

**Typical Stage 3 Plan Review Distribution of Preliminary Plans**

Purpose	No. Of Sets	For	Sheets Needed	Remarks
Project Initiation 15%	1	HQ Utility Section	Title Sheet, Plan & Profile	Parish Map & copies of field roll can be used for high priority projects
	1	Project Engineer		
	1	District Utility Representative		
	3	Real Estate Section		
	1	Road Design Section		
	3	Environmental Section		
Typical Section 30%	1	Geotechnical Engineer	Title Sheet, Proposed Typical Section, & Soil Survey	if soil survey has not been made, then proposed grade should be furnished
Utility 30%	2	HQ Utility Section	Title Sheet & P/P	for review w/ utility companies and municipalities
		District Utility Representative		
Bridge 60%	1	Bridge Design Section	Title Sheet & Specific P/P	only if bridges required
Geometric Review 60%	1	Geometric Design Engineer	Full Set	
Soil Borings, Probing, Sub-grade Soil Survey, Ph & Resistivity 60%	3	Pavement & Geotechnical Section	Title Sheet, Gen. Br. Plan, Plan/Profile Shts.	
Preliminary Drainage Check 60%	1	Bridge Design Section	All Information Requested	for permit determination
	1	Hydraulics Section		all projects
Preliminary R/W Maps & Property Survey, 60%	1	Location & Survey	Title Sheet, Plan Profiles	
	1	Real Estate		
Constructability Review 90%	1	District Area Engineer	Constructability review form distributed with or prior to Plan in Hand distribution	for constructability review
	1	Project Engineer		
Plan-In-Hand 90% (must be distributed 21 days prior to meeting)	1	Construction Section (Hdqtrs)	Full Set	
	1	Traffic Engineering Management		
	1	HQ Utility Section (letter only)		
	1	District Area Engineer		
	1	Project Engineer		
	1	Geotechnical Engineer		
	1	Road Design Section		
	1	District Utility Representative		
	1	District Permits Specialist		
	1	District Real Estate Officer		
	1	District Design		
	1	District Traffic Operations Eng.		
	1	Envi. Sect. Fed. Permit Coord.		
	1	Bridge Design Section		
	1	F.H.W.A.		
	1	Real Estate (Hdqtrs)		
	1	Environmental Section		
	1	DOTD Landscape Unit		
1	Consultant			
				contact district for # sets
				for permit determination
				only if bridges required
				NH System > \$1 million
				if applicable

2	Parish Or City Government		Parishes Of Jeff., Plaq., EBR, Orleans, Caddo
1	Highway Rail Safety Engineer	Title Sht., Typ Sec, P/P with R/R	only for R/R X-ings
1	Planning Section	Plan-In-Hand Report Only	

Purpose	No. Of Sets	For	Sheets Needed	Remarks
Joint Plan Review	1	HQ Utility Section	Construction Plans and Base Right of Way Maps	
	1	District Utility Representative		
	1	Project Engineer		
	1	Real Estate Section		
	1	Location & Survey Section		
Final Right Of Way 100%	1	HQ Utility Section	Title Sht., P/P, Cross-Sec.	for R/R X-ings only if sewerage effluent is being discharged on hwy. R/W (sub-surface drainage projects) NH System > \$1 Million
	1	District Utility Representative		
	1	Project Engineer	Full Set & Cross-Sections	
	10	Real Estate Section	Full Set & Cross-Sections	
	1	Location & Survey Section	Title Sheet & P/P	
	1	Highway Rail Safety Engineer		
	1	Parish Or City Governmental Agency		
	1	F.H.W.A.		
	1	Environmental Section		
1	Envi. Sect. Fed. Permit Coord.	Title Sht., P/P, Dr. Map	for permit determination	
Revised Final Right Of Way	1	District Area Engineer	Title Sheet & Specific P/P	+ drainage, typicals, xsecs NH System > \$1 Million
	1	HQ Utility Section		
	1	Project Engineer		
	1	District Utility Representative		
	10	Real Estate Section		
	1	Location & Survey Section		
	1	Environmental Section		
1	F.H.W.A.			

Purpose	No. Of Sets	For	Sheets Needed	Remarks
Drainage Check 60%	1	Hydraulics Section	All Information Requested	
	1	HQ Utility Section	Title Sht., Typ. Sec., P/P	sub-surface drainage projects
	1	District Utility Representative		
Geometric Review 60%	1	Geometric Design Engineer	Full Set	
	1	Road Design Section		
Advance Check Prints 95%	1	Project Engineer	Full Set & Cross-Sections	
	1	Construction Section (Hdqtrs)		
	1	Real Estate Section		
	1	F.H.W.A.		NH System > \$1 Million
	1	District Construction Engineer	Full Set	
	1	District Utility Representative		
	1	District Permits Specialist		
	1	Road Design Section		
	1	Geotechnical Engineer		
	1	Traffic Engineering Management		for construction signing or signals
	1	Geometric Design Engineer		add set if permanent signing req'd
	1	Contracts & Specifications		
	1	Bridge Design Section		
	2	Environmental Section		1 for Permit Coordinator
	1	HQ Utility Section		
	1	Contracts Management		Title Sheet Only
1	Highway Rail Safety Engineer	Title Sht., Typ. Sec., P/P with	only for R/R X-ings	
Constructability Review 95%	1	District Area Engineer	R/R	
	1	Project Engineer	review form distributed with ACP distribution	for constructability review
National Pollution Discharge Elimination System (NPDES)	1	EPA	Notice Of Intent	
Storm Water Pollution Prevention Plan (SWPP)	1	Contracts & Specifications	Environmental Protection Special Provision	
Trainee Determination	1	Contracts & Specifications	Trainee Determination Form	
	1	Construction		
Final Plans for Signature	1 (original)	Chief Engineer	Plans and PS&E Checklist	
Final Signed Plans 100%	Singed original plan set is transmitted to General Files. Copy of the title sheet is transmitted to Project Control. The Real Estate, Location And Survey and HQ Utility sections as well as the District Administrator, District Area Engineer, Construction Engineer, Road Design Engineer and parish or governmental agency are advised by copies of the transmittal memorandum that final signed plans are sent to general files. Prints are furnished by general files on request.			
Change Order	1	HQ Utility Section	Title Sheet & Revised Sheets	
	1	Project Engineer		
	1	District Utility Representative		
	18	Construction Section (Hdqtrs)		
	1	F.H.W.A.		NH System > \$1 Million
	10	Real Estate Section	Title Sht. & Revised P/P Shts.	only if R/W changed

## **Typical Preliminary Plan Milestones**

**PRELIMINARY PLAN PAYMENT MILESTONES**

Payment Milestones	Task Status	Road Tasks	Bridge Tasks	Common Tasks
30 % Distribution	Completed	<ol style="list-style-type: none"> <li>1. Plan/profile sheets with existing topo</li> <li>2. Preliminary typical sections submitted for review</li> <li>3. Title sheet</li> <li>4. Typical section questionnaire distributed</li> </ol>	<ol style="list-style-type: none"> <li>1. Bridge hydraulic study and scour analysis</li> <li>2. Type, Size &amp; Location of Structure Set</li> <li>3. Deep borings</li> </ol>	<ol style="list-style-type: none"> <li>1. Pre-design criteria established</li> <li>2. Horizontal &amp; vertical alignment set</li> </ol>
	In Progress	<ol style="list-style-type: none"> <li>1. Preliminary typical sections being reviewed</li> <li>2. Pavement Design</li> <li>3. Soil borings and pH/resistivity data</li> <li>4. Capacity analysis</li> <li>5. Review utilities to remain</li> </ol>	<ol style="list-style-type: none"> <li>1. Super-elevation diagram</li> <li>2. Economic study (if appropriate)</li> </ol>	<ol style="list-style-type: none"> <li>1. Review utility locations and recommend those to stay in place</li> </ol>
60% Distribution	Completed	<ol style="list-style-type: none"> <li>1. Horizontal/vertical alignment on plan/profile sheets</li> <li>2. Geometric details submitted for review</li> <li>3. Hydraulic design submitted for review</li> <li>4. Cross sections</li> <li>5. Final typical section</li> <li>6. Utility relocation recommendations</li> </ol>	<ol style="list-style-type: none"> <li>1. Preliminary design of substructure &amp; Foundation analysis</li> <li>3. General Plan</li> <li>4. Typical bridge sections</li> </ol>	
	In Progress	<ol style="list-style-type: none"> <li>1. Earthwork computations</li> <li>2. Construction notes &amp; details</li> <li>3. Required right of way</li> <li>4. Utility Company Coordination</li> <li>5. Constructability Review</li> </ol>	<ol style="list-style-type: none"> <li>1. Span and bent details</li> <li>2. Foundation layout</li> </ol>	<ol style="list-style-type: none"> <li>1. Sequence of construction &amp; construction signing</li> </ol>
90% Distribution	Completed	<ol style="list-style-type: none"> <li>1. Geometric and hydraulic comments incorporated</li> <li>2. Pre-plan in hand review</li> <li>3. Required right of way</li> <li>4. Utility company comments incorporated</li> </ol>	<ol style="list-style-type: none"> <li>1. Bridge quantities and general notes</li> </ol>	<ol style="list-style-type: none"> <li>1. Assemble plans</li> <li>2. Cost estimate</li> </ol>
	In Progress			<ol style="list-style-type: none"> <li>1. Pre-plan in hand review</li> </ol>
95 % Distribution	Completed			<ol style="list-style-type: none"> <li>1. Plan in hand prints distributed</li> </ol>
100 % Distribution	Completed			<ol style="list-style-type: none"> <li>1. Plan in hand inspection and comments addressed</li> <li>2. Right of way taking lines set and transmitted to Location and Survey</li> <li>3. Permit sketches</li> <li>4. Revised cost estimate</li> </ol>

**Figure 1-7 (Continued on next page)**

rev. January 2006

## **Typical Final Plan Milestones**

FINAL PLAN PAYMENT MILESTONES

Payment Milestones	Task Status	Road Tasks	Bridge Tasks	Common Tasks
30 % Distribution	Completed	1. Submit final typical sections for review & approval	1. General plan 2. Framing plan 3. Superstructure design	
	In Progress	1. Review RW maps 2. Finalizing hydraulic design 3. Finalizing vertical & horizontal geometry 4. Finalizing construction notes	1. Foundation layout 2. Lighting and signing design 3. Superstructure details 4. Substructure design	
60% Distribution	Completed	1. Submit for final drainage design review	1. Superstructure details 2. Substructure design 3. Foundation layout 4. Lighting and signing design	1. Submit for sequence of construction and
	In Progress	1. Summary sheets 2. Joint Layouts 3. Graphical grades	1. Substructure details 2. General notes 3. Summary of quantities	
90 % Distribution	Completed			1. Pre-ACP submitted for review prior to distribution
95 % Distribution	Completed			1. Advance Check Print distribution 2. Cost estimate
	In Progress			1. Special Provisions
98 % Distribution	Completed			1. ACP comments addressed 2. Final cost estimate 3. Entire set of original plan sheets transmitted to 4. Special provisions
	In Progress			
100 %	Completed			1. Plans, Specifications & Estimate 2. Plans & Estimate transmitted to General Files

Figure 1-7 (Continued from previous page)



## References

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The information in this Documentation Manual for Project Delivery has been provided in accordance with the requirements of the following documents:

1. *Guidance on QC/QA in Bridge Design in Response to NTSB Recommendation (H-08-17)*, prepared by Federal Highway Administration (FHWA). August 2011.
2. *Construction Plans Quality Control / Quality Assurance Manual*, prepared by Louisiana Department of Transportation and Development ( DOTD). August 2008.
3. *Policy on Quality Control and Quality Assurance*, prepared by Louisiana Department of Transportation and Development (DOTD) Bridge Design Section. October 2012.
4. *Quality Control Plan – Large Project*, prepared by Volkert. April 2007.

## **QC Documentation**

The following example forms, and checklists will be utilized by the design team to record the quality control reviews held and supporting file documentation.

## **Design Criteria Checklist**

### **From DOTD Bridge Design Section QC/QA Policy**

The design criteria have been provided in the *Preliminary Analysis and Verification Report*, in accordance with the checklist below.

— **Cover sheet**

The following information must be included on the cover sheet:

- DOTD project number
- Project name
- Revision date
- The Supervisor or Team Leader's signature and date

— **Governing Design and Construction Specifications and Other References**

A list of governing design and construction specifications and other references used for the project shall be included in this section. The edition number, interim revisions, and/or publication date must be specified for each reference.

— **Design Assumptions and Design Exceptions**

All design assumptions and design exceptions received must be included in this section along with supporting documents.

— **General Information**

The general information as listed below should be included in this section:

- Bridge information (no. of bridges, bridge clear width, length, no. of lanes, lane width, shoulder width, etc.)
- Road information (roadway classifications, design speed, traffic data, etc.)
- Vertical datum
- Vertical and horizontal clearances
- Other relevant information

— **Hydraulic Design Criteria**

All hydraulic design criteria (design year, design water elevations, scour depth and scour elevation, etc.) shall be included in this section and the information shall be provided by the Hydraulic Engineer.

— **Design Factors**

The ductility factor  $\eta_D$ , redundancy factor  $\eta_R$ , and operational importance factor  $\eta_I$  shall be listed in this section.

— **Design Loads**

All design loads (dead load, live load, wind load, thermal loads, vessel collision loads, seismic load, wave loads, etc.) used for the project shall be included in this section.

— **Limit States**

All applicable limit states for this project shall be listed in this section.

— **Bridge Barrier**

The design criteria, types, and test levels for bridge barriers shall be listed in this section. Standard plans and special details should be listed if they are utilized.

— **Guardrail**

The design criteria, types, and test levels for guardrails shall be listed in this section. Standard plans and special details should be listed if they are utilized.

— **Approach Slab**

Design criteria for approach slab shall be included in this section. Standard plans and special details should be listed if they are utilized.

— **Deck and Deck Drainage**

All design criteria for deck and deck drainage design shall be included in this section. Standard plans and special details should be listed if they are utilized.

— **Bearing**

All bearing types and design criteria for each bearing type shall be included in this section. Standard plans and special details should be listed if they are utilized.

— **Joint**

All joint types and design criteria for each type shall be included in this section. Standard plans and special details should be listed if they are utilized.

— **Superstructure**

All superstructure types and design criteria for each type shall be included in this section. Standard plans and special details should be listed if they are utilized.

— **Substructure**

All substructure types and design criteria for each type shall be included in this section. Standard plans and special details should be listed if they are utilized.

— **Piles and Drilled Shafts**

All pile types, sizes, and structural design criteria shall be included in this section. Standard plans and special details should be listed if they are utilized.

— **Geotechnical Design**

All geotechnical design criteria shall be included in this section and the information shall be provided by the Geotechnical Engineer. Standard plans and special details should be listed if they are utilized.

— **Mechanical Design**

All mechanical design criteria shall be included in this section if applicable. Standard plans and special details should be listed if they are utilized.

— **Electrical/Lighting Design**

All electrical design criteria shall be included in this section if applicable. Standard plans and special details should be listed if they are utilized.

— **As-Designed Bridge Rating Criteria**

All as-designed bridge rating criteria shall be included in this section.

— **Software**

All software used for design and check shall be included in this section.

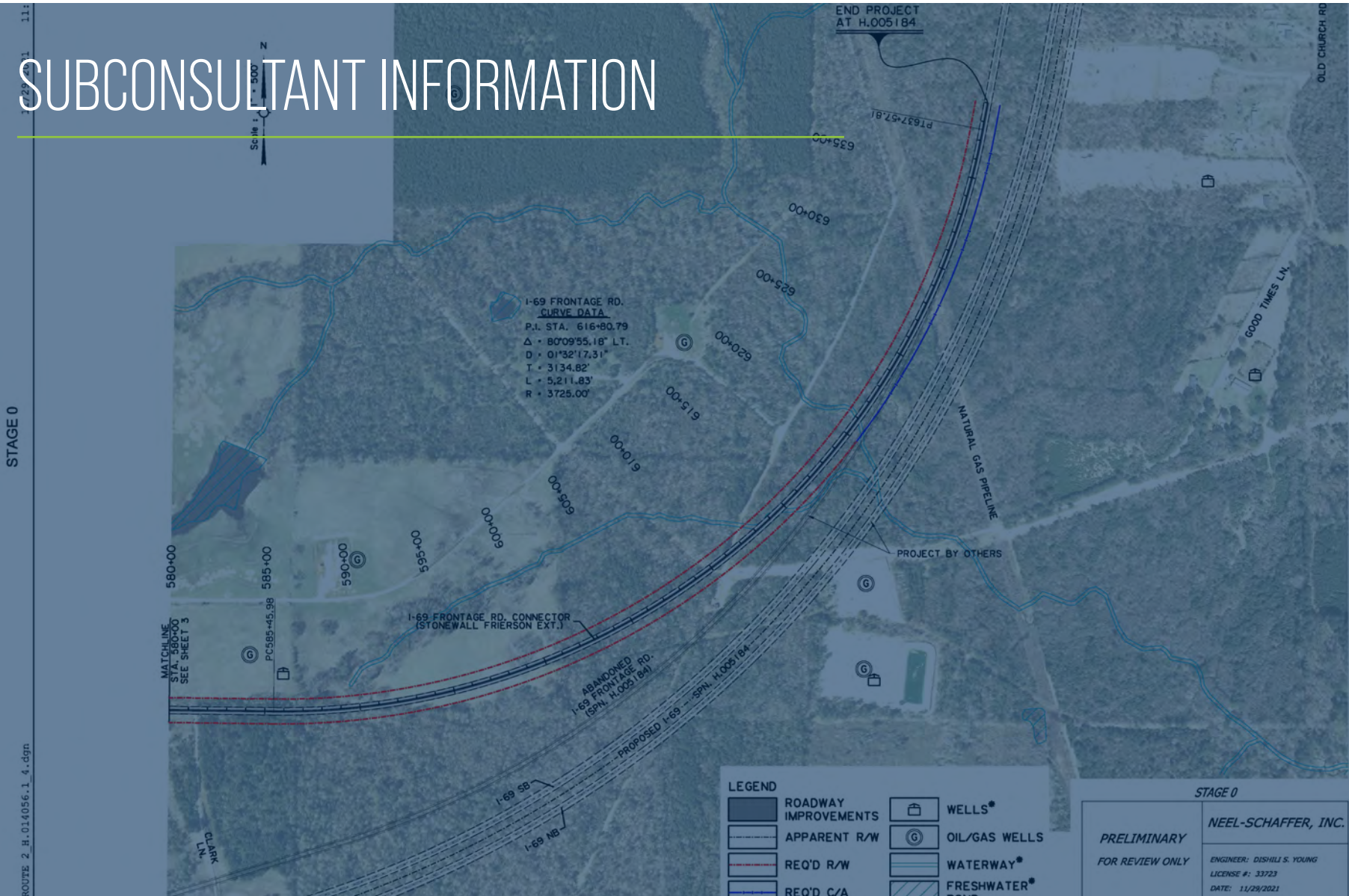
**Quality Assurance / Quality Control Certification**

We, the undersigned designers, detailers, checkers, and reviewers for this project, have reviewed and accepted the calculations, plans, quantities, special provisions, and cost estimate prepared for the project. We certify that the work for which we are responsible has been completed in accordance with the DOTD Bridge Design Section policy on QC/QA.

Team Members	Name	PE Registration No.	Responsible Plan Sheets	Responsible Special Provisions	Construction Cost Estimate	Signature
Designers						
Design Checkers						
Detailers						
Detail Checkers						
Reviewers						
EOR (Bridge)						
EOR (Roadway)						

# SECTION 22

## SUBCONSULTANT INFORMATION



**LEGEND**

	ROADWAY IMPROVEMENTS		WELLS*
	APPARENT R/W		OIL/GAS WELLS
	REQ'D R/W		WATERWAY*
	REQ'D C/A		FRESHWATER*

**STAGE 0**

**PRELIMINARY**  
FOR REVIEW ONLY

**NEEL-SCHAFFER, INC.**  
ENGINEER: DISHLI S. YOUNG  
LICENSE #: 33723  
DATE: 11/29/2021

DESOTO	PARISH	SECTION	B16-11
DESOTO	PARISH	SECTION	B16-11

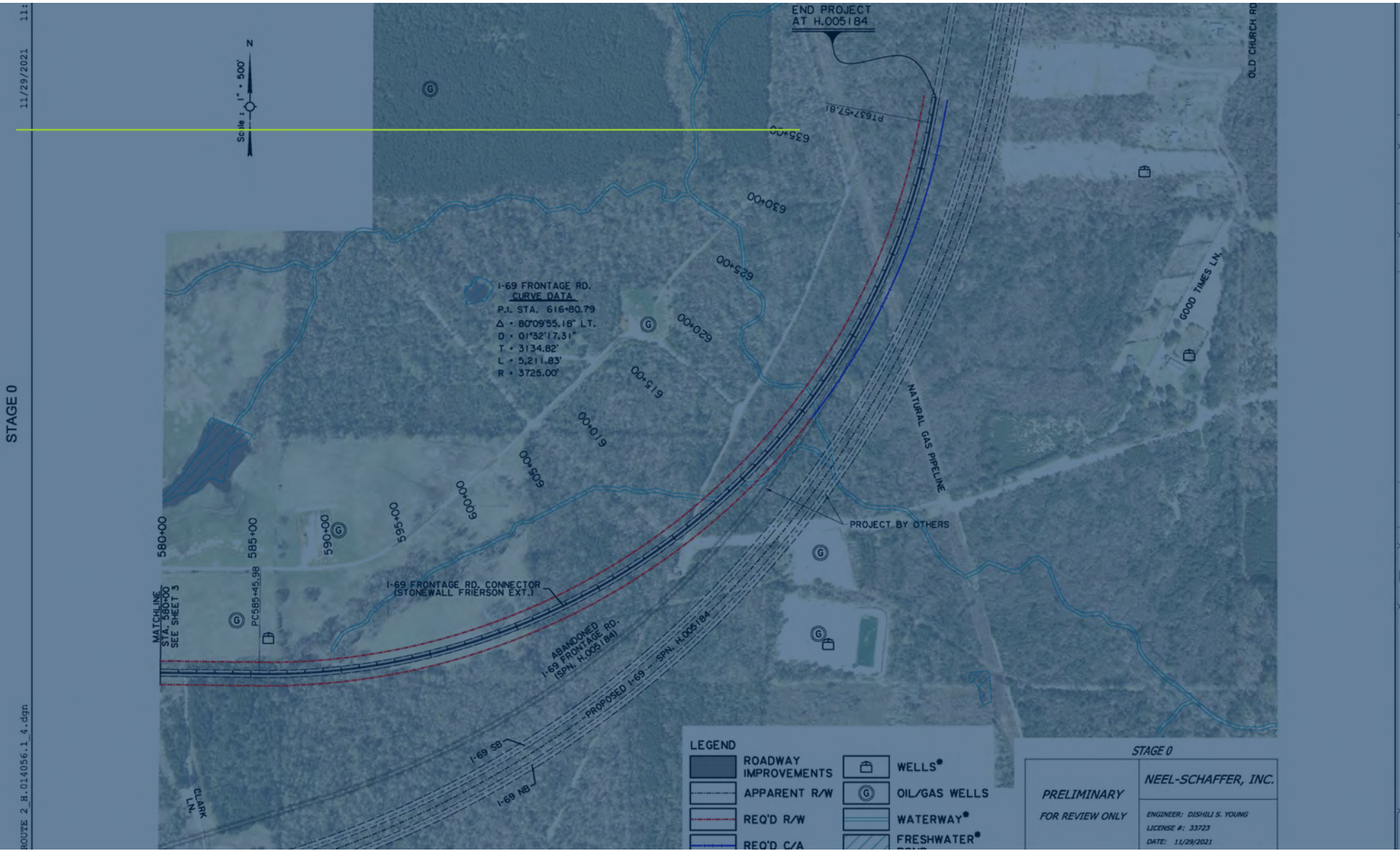
CONCEPT LAYOUT  
ALTERNATE 2

22. Sub-consultant information:

If one or more sub-consultants will be used, provide the name, address, point of contact and phone number for each. Otherwise, leave this section blank.

Firm Name (as registered with Louisiana's Secretary of State)	Address	Point of Contact and email address	Phone Number
Terracon Consultants, Inc.	2822 O'Neal Lane, Building B Baton Rouge, LA 70816	Lynne Roussel McMillen, PE Lynne.Roussel@terracon.com	225-239-2632
EJES Incorporated	201 Wilkinson Street Shreveport, LA 71104	Tanita Gilbert-Baker, PE, MBA tbaker@ejesinc.com	318-670-7375
NTB Associates, Inc.	Corporate Headquarters: 525 Louisiana Ave., Shreveport, LA 71101  Branch Office: 8643 Main St., Zachary, LA 70791	Bryan T. Bunch, PLS bbunch@ntbainc.com	[225] 751-4002

# SECTION 23



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DESOTO	PARISH	SECTION	B16-11
DESOTO	PARISH	SECTION	B16-11

CONCEPT LAYOUT ALTERNATE 2



23. Location:

If location is an evaluation criterion for this advertisement and the prime consultant intends to establish a local presence, describe the plan for doing so. Otherwise, leave this section blank.

Not Required for this Submittal.