

STATEMENT OF QUALIFICATIONS

Presented to:
**Louisiana Department
of Transportation and
Development (DOTD)**

Contract No. 4400028434
STATE PROJECT
NO. H.015568.5
LA 44: PELICAN POINT
ROUNDBOUT AND WIDEN
ROUTE: LA 44
ASCENSION PARISH

February 6, 2024





Transmitted via Email

DOTDConsultantAds80@la.gov

February 6, 2024

Louisiana Department of Transportation and Development
1201 Capital Access Road
Baton Rouge, LA 70802

RE: Contract No. 4400028434, State Project No. H.015568.5, Federal Aid Project No. H015568, LA 44: Pelican Point Roundabout and Widen Route: LA 44, Ascension Parish

Dear Sir or Madam:

C. H. Fenstermaker & Associates, L.L.C. (Fenstermaker) is pleased to submit our statement of qualifications for the Louisiana Department of Transportation and Development's (LADOTD) Contract for design of a multi-lane roundabout at the intersection of LA 44 and Pelican Point Parkway with widening to accommodate a four-lane highway section from the H.010909 project limits to the shopping center located south of Pelican Point. Our Team of experienced professionals possesses the expertise and capabilities needed to assist LADOTD with this project. With 74 years of experience in Louisiana providing roadway and roundabout design, Fenstermaker brings unparalleled skill, knowledge, and understanding to these types of design projects. Fenstermaker has successfully designed and completed dozens of roundabouts, including multi-lane roundabouts, across the state for both local government agencies and LADOTD. Joining the Fenstermaker Team are the highly respected firms of **Huval & Associates, Inc.**, providing bridge services, and **Urban Systems Associates, Inc. (DBE)**, providing traffic services.

The Fenstermaker Team has performed a diligent review of the advertisement and clearly understands the scope of services for this contract. Our Team makes a firm commitment to provide LADOTD with professional services safely and within budget.

Thank you for the opportunity to present our qualifications. We look forward to hearing from you. If you have any questions regarding our submittal or qualifications, please contact Dax Douet, at (337) 237-2200. Angelle Guilbeau is authorized by Fenstermaker to contractually obligate the firm.

FENSTERMAKER

Dax Douet, P.E.
Director, Engineer
dax@fenstermaker.com

Angelle Guilbeau
Chief Administrative Officer
angelleg@fenstermaker.com

135 Regency Square | Lafayette, LA 70508 | (337) 237-2200 phone | (337) 232-3299 fax www.fenstermaker.com

SECTIONS 1 - 13



DOTD FORM: 24-102

(Revised January 1, 2023)

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.

1. Contract Name as shown in the advertisement	Federal Aid Project No. H015568 LA 44: Pelican Point Roundabout and Widen Route: LA 44 Ascension Parish
2. Contract Number(s) as shown in the advertisement	Contract No. 4400028434
3. State Project Number(s), if shown in the advertisement	State Project No. H.015568.5
4. Prime consultant name (name must match as registered with the Louisiana Secretary of State where such registration is required by law)	C. H. Fenstermaker & Associates, L.L.C.  <small>C. H. Fenstermaker & Associates, L.L.C.</small>
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	EF. 0000311 - Engineering VF. 0000154 - Survey
6. Prime consultant mailing address	135 Regency Square, Lafayette, LA 70508
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	135 Regency Square, Lafayette, LA 70508
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Dax Douet, P.E., Director, Engineer (337) 237-2200 dax@fenstermaker.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Angelle Guilbeau, Chief Administrative Officer, (337) 237-2200 angelleg@fenstermaker.com

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, 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 above shall be the same person listed in Section 9:

February 6, 2024

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):

Urban Systems Associates, Inc.

Firm(s)' %:

6%

12. Past Performance Evaluation Discipline Table:

Past Performance Evaluation Discipline(s)	% of Overall Contract	C. H. Fenstermaker & Associates, L.L.C. (Prime)	Huval & Associates, Inc.	Urban Systems Associates, Inc. (DBE)	Each Discipline must total to 100%
Road	78%	100%			100%
Bridge	16%		100%		
Traffic	6%			100%	
Identify the percentage of work for the <u>overall contract</u> to be performed by the prime consultant and each sub-consultant.					
Percent of Contract	100%	78%	16%	6%	100%

13. Firm Size:

Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
<p>C. H. Fenstermaker & Associates, L.L.C.</p>  <p>C. H. Fenstermaker & Associates, L.L.C.</p>	Administrative	0	1
	Archaeologist	0	1
	CADD-Operator	0	3
	Clerical	0	2
	Computer Analyst	0	1
	Engineer	8	12
	Engineer Intern	0	10
	Environmental Pro	0	2
	GIS Analyst	0	5
	Inspector	0	3
	Inspector – Certified	0	2
	Inspector - Lead	0	2
	Instrument Man	0	7
	Party Chief	0	14
	Planner	0	1
	Principal	0	3
	Professional	0	2
	Rodman	0	2
	Senior Technician	0	8
	Supervisor – Eng	3	3
Supervisor – Other	0	1	
Surveyor	0	5	
Technician	0	11	
<p>Huval & Associates, Inc.</p>  <p>PLANNING DESIGN CONSTRUCTION MANAGEMENT</p>	Principal	1	1
	Supervisor Engineer	2	5
	Engineer	4	11
	Engineer Intern	3	5
	Technician	1	2
	CADD Technician	2	3
	CADD Drafter	2	4
	Inspector-Certified	1	6

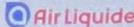
Urban Systems Associates, Inc. (DBE) 	Supervisor-Eng	1	2
	Engineer	1	2
	Engineer Intern	1	3
	Senior Technician	1	1
	CAD Technician	1	1
	Inspector	0	1
	Engineering Aide	1	3

SECTIONS 14 - 16

WARNING
NITROGEN GAS
PIPELINE

IN EMERGENCY
PLEASE CALL COLLECT
 Air Liquide 713-864-7764
OR
1-800-364-7378

WARNING
OXYGEN GAS
PIPELINE

IN EMERGENCY
PLEASE CALL COLLECT
 Air Liquide 713-864-7764
OR
1-800-364-7378



14. Organizational Chart:



C. H. Fenstermaker & Associates, L.L.C.

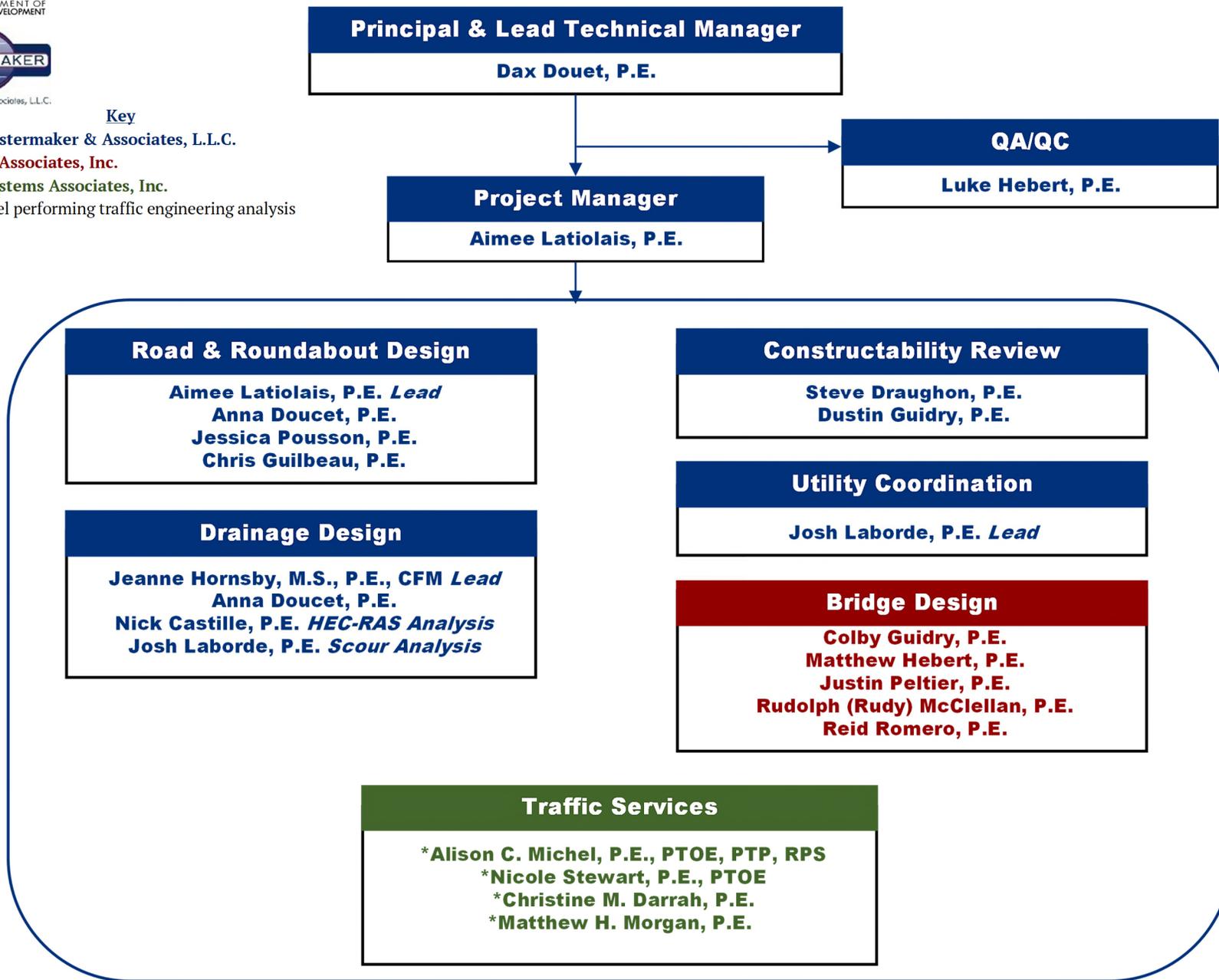
Key

C. H. Fenstermaker & Associates, L.L.C.

Huval & Associates, Inc.

Urban Systems Associates, Inc.

*Personnel performing traffic engineering analysis



15. Minimum Personnel Requirements:

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 (Ex: PE # - Civil)	State of license	License / certification expiration date
1	Dax Douet, P.E.	C. H. Fenstermaker & Associates, L.L.C.	PE #0030170 - Civil	LA	09/30/2024
2	Dax Douet, P.E.	C. H. Fenstermaker & Associates, L.L.C.	PE #0030170 - Civil	LA	09/30/2024
2	Aimee Latiolais, P.E.	C. H. Fenstermaker & Associates, L.L.C.	PE #0042932 - Civil	LA	03/31/2025
3	Dax Douet, P.E.	C. H. Fenstermaker & Associates, L.L.C.	PE #0030170 - Civil	LA	09/30/2024
3	Aimee Latiolais, P.E.	C. H. Fenstermaker & Associates, L.L.C.	PE #0042932 - Civil	LA	03/31/2025
4	Justin Peltier, P.E.	Huval and Associates, Inc.	PE# 34765 - Civil	LA	9/30/2025
4	Rudy McClellan, P.E.	Huval and Associates, Inc.	PE# 19994 - Civil	LA	3/31/2024
5	Colby Guidry, P.E.	Huval and Associates, Inc.	PE# 31338 - Civil	LA	9/30/2024
6	Alison Catarella Michel, P.E., PTOE, PTP, RSP _{2i}	Urban Systems, Inc.	P.E. #30261- Civil PTOE #1023 PTP #626 RSP _{2i} #148	LA	P.E. 03/31/2025 PTOE 11/26/2026 PTP 11/20/026 RSP _{2i} 03/2026

16. Staff Experience:			
Firm employed by		C. H. Fenstermaker & Associates, L.L.C.	
Name	Dax Douet, P.E.	Years of relevant experience with this employer	26
Title	Director, Engineer	Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization		B.S. / 1997 / Civil Engineering	
Active registration number / state / expiration date		30170 / LA / 09.30.24	
Year registered	2002	Discipline	Civil
Contract role(s) / brief description of responsibilities		Principal / Lead Technical Manager - MPRs 1, 2, 3	
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 years of experience specified in the applicable MPR(s).		
<p>Dax Douet has extensive professional civil engineering experience in design, planning, construction oversight, and project management. He has served as the lead design engineer and project manager on a wide range of transportation projects including local, collector, and arterial roadways, as well as large interstate interchange projects. Mr. Douet has expertise in roadway design, transportation corridor studies, line and grade studies, roundabout design, environmental assessments, open channel and subsurface drainage systems, large one and two-dimensional hydrologic numerical modeling, municipal engineering, public speaking, and project management of large complex, multi-disciplinary projects. Mr. Douet is proficient in Bentley Software project such as Microstation and has completed training courses such as the ATSSA Traffic Control Technician, Traffic Control Supervisor, and Certified Flagger, NHI Course 142005 NEPA and the Transportation Decision Making Process, the LADOTD Highway Safety Manual Course, and the LADOTD Traffic Engineering Process and Report Training.</p>			
04/22 – ongoing	<p>Section 17 Project</p> <p>LA 182 (UNIV) @ LA 723 (Renaud) Roundabout (Lafayette Parish, LA) The goal of this project is to design a roundabout which realigns Renaud Drive and Stone Avenue to intersect with University Avenue. This project will include roadway design, hydraulic analysis and design, and utility design. Mr. Douet is serving as Project Manager.</p>		
07/10 – 06/23	<p>Section 17 Project</p> <p>Kaliste Saloom Road Widening & Intersection Improvements - LA3073 to LA733 (Lafayette Parish, LA) Mr. Douet was Project Manager for this \$34 million project, which involved widening approximately 1.7 miles of Kaliste Saloom Road, a congested major arterial roadway in Lafayette. He led the design team for all three phases, including the construction of a multi-lane modern roundabout and a 5-girder span bridge structure within the project limits. Mr. Douet presented at public meetings, conducted constructability reviews, and managed the construction effort. He was also responsible for the development of a line and grade study that allowed Lafayette Consolidated Government to choose between a 5-lane or 4-lane divided median typical roadway section. The project was split into three phases, which included drainage outfall construction, utility relocations, and roadway construction. Mr. Douet fast-tracked all real estate appraisals, plats, and construction plans.</p>		
10/21 – 12/22	<p>Section 17 Project</p> <p>LA 675 Roundabout at ARA Access Roadway (Iberia Parish, LA) Fenstermaker prepared construction plans and acquisition documents for the LA 675 Roundabout at Acadiana Airport Access Roadway in Iberia Parish. The ARA Access Road will be extended to the south to connect to LA 675. The roundabout will be constructed at this connection. Reconstruction of the US Frontage Road will also be completed. After receiving LADOTD’s comments on the plans, Mr. Douet was responsible for Quality Control on the plan set.</p>		
01/22-ongoing	<p>Section 17 Project</p> <p>Roundabout-E. Broussard at Robley Drive (Lafayette Parish, LA) Fenstermaker designed a modern multi-lane roundabout at the intersection of E. Broussard Road and Robley Drive in Lafayette Parish. Mr. Douet assisted with Project Management including tracking and reviewing project finances/budget, reporting project updates to the client, working with sub-consultants to finalized service agreements, and working on right-of-way permissions and property acquisitions.</p>		



<p>09/17-ongoing</p> <p>Section 17 Project</p>	<p>Verot School Road Interchange at U.S. Highway 90 (Lafayette Parish, LA) Mr. Douet was the Lead Design Engineer responsible for the widening of existing Verot School Road from Pinhook Road (LA 182) to existing US 90 from a 2-lane to a median separated 4-lane roadway facility. Mr. Douet was one of two lead design engineers responsible for the development of a project line and grade study aimed at developing strategies to widen this corridor to reduce right of way and impacts to existing infrastructure. Mr. Douet was also the lead design engineer of a multi-lane roundabout intersection at the new Verot School Rd intersection with South College Rd. In addition, Mr. Douet led the public outreach by coordinating and hosting a public meeting which followed the procedures set forth by the LADOTD.</p>
<p>02/18-ongoing</p>	<p>Roundabout at Churchpoint/Roddy Road (Ascension Parish, LA) Mr. Douet is Engineer of Record on this project redesign. Due to funding restrictions, the project did not get constructed in a timely manner, and Ascension Parish tasked Fenstermaker in 2018 with updating the original submittals (Fenstermaker completed the original roundabout study, categorical exclusion, traffic analysis, geotechnical and pavement design, preliminary and final engineering plans in 2013). Mr. Douet oversaw the development of an updated intersection study and revised environmental categorical exclusion report. He ensured all other prior plan documents were updated in accordance with new LADOTD standards including geotechnical and pavement design, engineering plans, drainage plans, right-of-way maps, and all other bid and construction documents.</p>
<p>05/15-12/16</p>	<p>Coach Williams Drive Extension & Roundabout (Calcasieu Parish, LA) Fenstermaker served as the prime consultant on this \$18.4 million, multidisciplinary project consisting of engineering design services for the construction of the extension of Coach Williams Drive to connect to Houston River Road (LA 379). This road is approximately 3 miles in length and was designed as a 2-lane open ditch urban collector. Mr. Douet was responsible for directing the design and geometry of the roundabout and reviewing plans.</p>
<p>03/20-11/22</p>	<p>Acadiana Regional Access Roadway (Iberia Parish, LA) The purpose of this project is to provide a more direct access path to the Acadiana Regional Airport in the future. Fenstermaker was selected to design a two-lane roadway that will connect the LA 3212 and LA 675 in New Iberia, LA with room for a future four-lane roadway. This design consists of the main roadway, one single lane roundabout, and a two-lane roadway that will connect the main road to US-90 Frontage Road with a second roundabout in a future project. Mr. Douet was responsible for the construction administration bidding process.</p>
<p>01/13-03/17</p>	<p>Nelson Road and Ham Reid Road Roundabout & Design (Calcasieu Parish, LA) Calcasieu Parish Police Jury selected Fenstermaker to perform engineering design services for the construction of a roundabout at the intersection of Nelson Road and Ham Reid Road. Mr. Douet assisted with the roundabout design.</p>
<p>06/09-09/10</p>	<p>Bonin Road at East Milton Avenue (LA 92) Roundabout (Lafayette Parish, LA) Mr. Douet was the Lead Design Engineer for a modern roundabout at the intersection of LA 92 and Bonin Road, an intersection known for congestion and historical accidents. This project was one of both LADOTD and the Lafayette Metropolitan Planning Organization's high priority projects that met the stringent guidelines for the American Recovery and Reinvestment Act of 2009 (ARRA). The design included geometric design, typical section development, intersection efficiency modeling, sub-surface drainage design, sequencing of construction, striping layout, and traffic sign layout.</p>

16. Staff Experience:			
Firm employed by		C. H. Fenstermaker & Associates, L.L.C.	
Name	Aimee Latiolais, P.E.	Years of relevant experience with this employer	9
Title	Engineer	Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization		B.S. / 2014 / Civil Engineering	
Active registration number / state / expiration date		42932 / LA / 03.31.25	
Year registered	2018	Discipline	Civil
Contract role(s) / brief description of responsibilities		Project Manager / Road & Roundabout Design Lead - MPRs 2 and 3	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
Ms. Latiolais is a Professional Engineer with experience in design, planning, and construction oversight. Ms. Latiolais’s experience is in roadway design, both open channel and subsurface drainage systems, traffic studies, line and grade studies, commercial site design, and design of roundabouts . She has served as a design engineer for a multitude of transportation projects ranging from urban local to collector and arterial roadways. Ms. Latiolais is proficient in Bentley Software such as Microstation, Storm and Sanitary, and InRoads; Transoft Solution’s AutoTURN; LADOTD’s HYDRWIN; and SIDRA INTERSECTION.			
02/22 – ongoing	LA 182 (UNIV) @ LA 723 (Renaud) Roundabout (Lafayette Parish, LA) The goal of this project is to design a roundabout which realigns Renaud Drive and Stone Avenue to intersect with University Avenue. This project will include roadway design, hydraulic analysis and design, and utility design. Ms. Latiolais is serving as Deputy Project Manager .		
Section 17 Project			
09/15 – 06/23	Kaliste Saloom Road Widening & Intersection Improvements - LA3073 to LA733 (Lafayette Parish, LA) Ms. Latiolais is overseeing construction of this \$34 million project. Ms. Latiolais is a Design Engineer for the widening of approximately 1.7 miles of Kaliste Saloom Road, an over-capacity major arterial roadway. Ms. Latiolais was responsible for the subsurface drainage design and utility relocations at the roundabout intersection, as well as, creating the Opinion of Probable Cost and necessary construction documents. She assisted in permitting and agency coordination with LCG, LADOTD, and DHH. She continues to aid in managing the construction effort.		
Section 17 Project			
03/22 – 22/23	Roundabout-E. Broussard at Robley Drive (Lafayette Parish, LA) Fenstermaker designed a modern multi-lane roundabout at the intersection of E. Broussard Road and Robley Drive in Lafayette Parish. Ms. Latiolais reviewed the conceptual roundabout design , including the horizontal and vertical alignments, the superelevation, lane striping, and inlet spacing, and drainage.		
Section 17 Project			
02/17-ongoing	Verot School Road Interchange at U.S. Highway 90 (Lafayette Parish, LA) Ms. Latiolais is a Design Engineer responsible for the widening of existing Verot School Road from Pinhook Road (LA 182) to existing US 90 from a 2-lane roadway to a median separated 4-lane roadway facility. She is designing horizontal and vertical roadway elements, intersection improvements to include a multi-lane roundabout , and open channel and subsurface drainage. Ms. Latiolais aided in the line and grade study and hosting the public meeting which followed the procedures set forth by LADOTD.		
Section 17 Project			
03/18-07/20	Roddy Rd. Churchpoint Roundabout Redesign (Ascension Parish, LA) Fenstermaker redesigned the construction plans to the updated DOTD standards to build a roundabout at the intersection of Churchpoint Road and Roddy Road. Ms. Latiolais updated the roundabout’s geometry and striping, completed the analysis for an all way stop-controlled intersection compared to a single lane roundabout, and performed quality assurance and quality control on reports and plans sets.		
01/15-11/20	Frem Boustany Drive Extension Phases 1 & 2 (Lafayette Parish, LA) The Frem Boustany Drive Extension project involved the construction of a new 0.25 mile, 2-lane median-divided boulevard roadway with dedicated bike lanes and curb adjacent sidewalks.		



	Fenstermaker was contracted to perform preliminary and final plans, right of way plats, construction survey work and inspection during construction. During Phase 1, Ms. Latiolais assisted with project management, roadway and drainage design. She also played a role in the subsurface hydraulic design, construction document preparation, bidding, and construction administration services. Ms. Latiolais was responsible for managing the construction effort and oversaw the successful completion of the project. Phase 1 was completed in 2020. During the second phase, Ms. Latiolais served as the Project Manager .
04/21-ongoing	Improvements to Petroleum Parkway Ext. (St. Martin Parish, LA) Fenstermaker provided engineering services for the improvements to the Petroleum Parkway corridor in St. Martin Parish. Improvements included roadway and drainage modifications to improve the performance of the corridor and to reduce overtopping of the roadway during storm events. Ms. Latiolais served as the Project Manager .
04/21-ongoing	Spanish Trail Ind. Park Access Road (St. Martin Parish, LA) Fenstermaker provided engineering services to extend Lake Talon Road to LA 182 (Old Spanish Trail Highway). Fenstermaker assisted the Parish with planning efforts including preparing a traffic study, planning and coordinating with the BNSF railroad facility, preparing construction plans, permitting, and construction administration and inspection. Fenstermaker managed subconsultants for traffic studies and geotechnical investigations. Ms. Latiolais is Project Manager .
03/16-07/23	Apollo Rd (LA 93) Extension to Dulles Drive (Lafayette Parish, LA) Ms. Latiolais is the Lead Design Engineer and Engineer of Record for Phase 3 of the new 2.2-mile, 4-lane boulevard roadway in Scott, Louisiana. She is responsible for the design of approximately 0.75 miles of the urban arterial roadway and open channel hydraulics. At the request of the project owners, Ms. Latiolais also produced an informal line and grade study for a multi-lane roundabout intersection with Apollo Road and the future Eraste Landry Road extension.
04/15-07/16	Coach Williams Drive Extension & Roundabout (Calcasieu Parish, LA) Fenstermaker served as the prime consultant on this \$18.4M, multidisciplinary project consisting of engineering services for the extension of Coach Williams Dr. to connect to Houston River Road (LA 379). This road is approximately 3 miles and was designed as a 2-lane open ditch urban collector. Ms. Latiolais simulated vehicle turning paths for the roadway and roundabout using AutoTURN and designed the drainage, specifically relating to the Sabine River Authority irrigation canal that is crossed by the new roadway.
10/15-05/16	Nelson Road and Ham Reid Road Roundabout & Design (Calcasieu Parish, LA) Fenstermaker managed Preliminary through Final Plans, Bidding and Contract Phase, and Engineering Services during construction. Ms. Latiolais served as a Design Engineer and Quality Control Manager of the subsurface drainage design. This project improved the existing intersection to a multi-lane roundabout .
02/16-05/18	Stage 0 Feasibility Study of Modern Roundabouts (Lafayette Parish, LA) Ms. Latiolais aided in traffic studies and roundabout designs for various intersections as part of a contract to complete 30 Stage 0 Feasibility Studies of conceptual roundabout locations throughout Lafayette Parish. Ms. Latiolais utilized SIDRA INTERSECTION to aid in the traffic study of two conceptual roundabout locations. She also designed, or aided in the design, of six conceptual roundabouts varying from single lane to multi-lane and multi-approach roundabouts .
06/17-07/20	S.P. No. H.009932 US 80 Widening: Vancil Rd to Well Rd EA (Ouachita Parish, LA) Ms. Latiolais is an engineer for the line and grade study of this EA. She assisted in designing the layout of three alternatives to the existing 2-lane roadway for the 1.4-mile corridor. Intersection improvements include two proposed roundabouts , which were designed by Ms. Latiolais. She is also assisting in the preparation of the line and grade study report and cost estimating.

16. Staff Experience:			
Firm employed by		C. H. Fenstermaker & Associates, L.L.C.	
Name	Luke Hebert, P.E.	Years of relevant experience with this employer	19
Title	Director, Engineer	Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization		B.S. / 2003 / Civil Engineering	
Active registration number / state / expiration date		34715 / LA / 09.30.25	
Year registered	2009	Discipline	Civil
Contract role(s) / brief description of responsibilities		QA/QC	
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 years of experience specified in the applicable MPR(s).		
<p>Luke Hebert is a Professional Engineer with experience in engineering design, planning, and project management. During his career, Mr. Hebert has been part of many different types of designs ranging from various roadway types (i.e., local, collector, arterial and freeway), surface and sub-surface drainage systems, water and sewer distribution system and water and sewer treatment. In 2013 Mr. Hebert was appointed by the Mayor of Carencro as the engineer for the City. Mr. Hebert is proficient in Bentley Software such as MicroStation, Storm and Sanitary, and InRoads (Bentley Software), LADOTD’s HYDRWIN and AutoTurn.</p>			
03/11 – 02/21	<p>Kaliste Saloom Road Widening & Intersection Improvements - LA3073 to LA733 (Lafayette Parish, LA) The Kaliste Saloom Road Widening Project is a \$34 million construction project designed to be a walkable urban thoroughfare with shared bicycle lanes and 8-ft wide sidewalks in accordance with Complete Streets and Context Sensitive Solutions guidelines. Fenstermaker was responsible for the surveying, right-of-way platting, engineering design, construction plan development, and CE&I to widen Kaliste Saloom Road, an over-capacity major arterial roadway, from a 2-lane asphalt roadway to a 5-lane road with a continuous center turn-lane concrete roadway for approximately 1.7 miles. Mr. Hebert served as a Design Engineer and assisted with the roundabout design, including geometrics and other roadway related design and waterline layout and design.</p>		
04/17 – ongoing	<p>LA 675 Roundabout at ARA Access Roadway (Iberia Parish, LA) Fenstermaker is preparing construction plans and acquisition documents for the LA 675 Roundabout at Acadiana Airport Access Roadway in Iberia Parish. ARA Access Road will be extended to the south to connect to LA 675. The roundabout will be constructed at this connection. Reconstruction of the US Frontage Road will also be completed. Mr. Hebert is serving as Project Manager.</p>		
10/22-ongoing	<p>Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 (Acadia, Evangeline, Iberia, Lafayette, St. Landry, St. Martin, St. Mary, and Vermilion Parishes, LA) The Louisiana Department of Transportation and Development selected Fenstermaker to provide all necessary engineering services required for development plans for the replacement of 14 bridges in District 03. Fenstermaker’s services include researching eligible structures, coordinating with local stakeholders, and selecting structures for inclusion in the IIJA Off-System Bridge Program. Mr. Hebert is serving as an engineer on the design team and has planned stakeholder meetings for Parishes within District 03. He has also assisted with preliminary and 30% design plans and bridge layouts. Mr. Hebert is also serving as Quality Control (QC) Document Manager for all project work.</p>		
07/11 – 04/20	<p>Apollo Rd (LA 93) Extension to Dulles Drive (Lafayette Parish, LA) Fenstermaker was selected to provide engineering services to the City of Scott to extend Apollo Rd to Dulles. This \$15 million construction project includes 2.2 miles of a four-lane boulevard and 6-ft.</p>		



	sidewalks to accommodate both bicyclist and pedestrians. The new roadway intersects LA 90 and LA 93, which were designed for a bow-tie intersection and roundabout , respectively. Mr. Hebert was responsible for Quality Control of final design plans.
04/15 - 02/20	Coach Williams Drive Extension & Roundabout (Calcasieu Parish, LA) Mr. Hebert played a pivotal role in ensuring the Quality Control of preliminary and final design plans before proceeding with project advertisement. The project involved the design of an \$18.4 million, three-mile roadway extension, connecting Coach Williams Blvd to Houston River Rd (LA 379). This new road featured a two-lane open ditch typical section, incorporating a roundabout , a railroad crossing, a Sabine River Authority Canal crossing, and the navigation of multiple wetland areas and potentially abandoned borrow pits. Fenstermaker served as the prime contractor, responsible for environmental assessments, drainage design, pavement design, and road geometrics. Additionally, they conducted the necessary surveying for the project.
10/09-09/12	LA 92 at LA 89 Roundabout (Lafayette Parish, LA) Mr. Hebert served as Project Manager for the redesign of the intersection of LA 89 and LA 92 for the City of Youngsville. This area was a source for traffic congestion within the City. Fenstermaker was tasked to design a rotary roundabout intersection for greater safety, capacity and operational efficiency. Fenstermaker developed final plans, providing construction administration, construction inspection, and any additional engineering consultation.
08/17-ongoing	Red Davis McCollister Road and South Park Drive Roundabout (Calcasieu Parish, LA) This project consists of improving a four-way existing intersection with a single lane roundabout at the intersection of Red David McCollister Road and South Park Drive in Calcasieu Parish. Mr. Hebert served as Project Manager .
02/14-01/17	Sasol LCCP-Heavy Haul Road (LA378 & LA379) (Calcasieu Parish, LA) In his role as Project Engineer for Fenstermaker's engineering and consulting contracts with Fluor, Mr. Hebert was responsible for the design of heavy haul routes essential for transporting oversized modules from the Calcasieu River to a proposed plant site in Westlake, Louisiana. In the first project, valued at \$11.4 million, he oversaw the engineering design of a 2.4-mile route and focused on intersection improvements at John Stine/Sampson, Houston River Road/Beglis, and Sulphur/Sampson intersections. Similarly, in the second \$6 million project, he was involved in the design of a 1.5-mile heavy haul route and intersections at John Stine and Sampson, Houston River Road and Beglis, and Sulphur and Sampson.
05/13-10/17	US 90 (I-49 South) Albertson Pkwy to Ambassador Caffery Design-Build (Lafayette Parish, LA) As the Lead Roadway Design Engineer for James Construction Group's Design-Build project, Mr. Hebert played a crucial role in the transformation of a section of US 90 in Lafayette Parish into a six-lane controlled access facility. His responsibilities encompassed the design of roadway enhancements, including improvements to the east and westbound frontage road system, a new six-lane US 90 overpass spanning both Albertson Parkway and the existing BNSF railroad facility, as well as the construction of necessary US 90 mainline ramps to connect these structures and frontage roads. Mr. Hebert's contributions involved the design of horizontal and vertical roadway alignments, typical sections, sequencing of construction, geometric detailing, cross sections, erosion control, and quantity tabulation for the contractor. Furthermore, he oversaw the layout of Mechanically Stabilized Earth Walls (MSEW), concrete panels essential for keeping all US 90 mainline enhancements within the existing right of way.

16. Staff Experience:			
Firm employed by		C. H. Fenstermaker & Associates, L.L.C.	
Name	Chris Guilbeau, P.E.	Years of relevant experience with this employer	2
Title	Senior Engineer	Years of relevant experience with other employer(s)	23
Degree(s) / Years / Specialization		B.S. / 1998 / Civil Engineering	
Active registration number / state / expiration date		30534 / LA / 03.31.25	
Year registered	2003	Discipline	Civil
Contract role(s) / brief description of responsibilities		Road Design	
			
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 years of experience specified in the applicable MPR(s).		
Chris Guilbeau is a Professional Engineer with over experience in residential and commercial site development. He has extensive experience performing site layouts, designing grading and drainage, modeling and reporting storm water detention, laying out and designing water and sewer mains, estimating costs, preparing construction plans, specifications, and bid documents, and securing permits from various government agencies. His software skill set includes Terramodel, La DOTD Hydrwin, Hydraflow Hydrographs Software, and SWMM.			
12/21 – ongoing	Section 17 Project		
	Roundabout-E. Broussard at Robley Drive (Lafayette Parish, LA) Mr. Guilbeau is the Project Manager and the Lead Design Engineer responsible for the design of a modern multi-lane roundabout at the intersection of E. Broussard Road and Robley Drive. The design will include geometric design, typical section development, sub-surface drainage design, sequencing of construction, striping layout and permanent traffic sign layout.		
10/21 – 11/21	Section 17 Project		
	Verot School Road Interchange at U.S. Highway 90 (Lafayette Parish, LA) As a sub- consultant to Huval & Associates, Fenstermaker performed engineering design services for improvements to the existing intersection of U.S. Highway 90 (US 90) (Future I-49 South) and Verot School Road. Mr. Guilbeau performed detail Quality Control reviews of all production plans for the project’s entire drainage system to include review of all drainage model outputs, drainage servitudes, and constructability reviews.		
01/09-12/09	St. Martinville Street Improvement Project (Dubroc Engineering, Inc.) (St. Martin Parish, LA) Mr. Guilbeau was in the Engineer in Responsible Charge for this \$1.5 million street improvement project. The work consisted of concrete and asphalt patching street repair; milling, patching and overlay of asphalt streets; asphalt street reconstruction. Mr. Guilbeau’s management responsibilities included plan and specification preparation, bidding and construction administration. He also participated in the compilation of needed improvements and planning with the City of St. Martinville.		
04/21-ongoing	Improvements to Duchamp Road (St. Martin Parish, LA) Mr. Guilbeau is serving as the Project Manager . Fenstermaker provided professional engineering and survey services for the improvements to the Duchamp Road. The road is approximately 3.3 miles long and is comprised of two 9-foot asphalt lanes with a posted speed limit of 45 miles per hour. Passenger vehicles frequently use Duchamp Road to access residences and neighboring communities. Fenstermaker studied and analyzed the geometry of the existing roadway and performed a site visit to inform recommendations for the roadway project. Based on Fenstermaker’s recommended alternatives, the Parish decided to implement full depth asphalt patching for the roadway at locations with deteriorating conditions or locations in need of rehabilitation. Fenstermaker prepared the roadway and drainage designs and performed construction administration and inspection.		

16. Staff Experience:			
Firm employed by		C. H. Fenstermaker & Associates, L.L.C.	
Name	Jeanne Hornsby, M.S., P.E., CFM	Years of relevant experience with this employer	17
Title	Director, Engineer	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization		M.S. / 2007 / Hydraulics and Environmental Engineering B.S. / 2005 / Civil Engineering	
Active registration number / state / expiration date		36717 / LA / 03.31.24	
Year registered	2011	Discipline	Civil
Contract role(s) / brief description of responsibilities		Drainage Design Lead	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
<p>Ms. Hornsby is an Engineering Director with engineering design and project management experience. Her main responsibilities include managing and designing multi-million-dollar projects that range from roadway design and construction to coastal and storm water management for public and private sectors. Ms. Hornsby leads Fenstermaker’s Water Resources Team, and her expertise has developed through the successful completion of numerous numerical modeling analyses, roadway drainage designs, and stormwater master plans. She has worked closely with LADOTD on roadway design projects and Environmental Impact Statements. Her experience and expertise by working on projects of various sizes and complexity from regional HUC 4 models to detailed HUC 12 models. She has completed numerous numerical modeling analyses on inland and coastal systems, floodplain mapping, FEMA Letter of Map Revisions (LOMR), stormwater planning, hydraulic design, environmental impact studies, field reconnaissance, hydrologic and hydraulic data collection, and flood mitigation projects.</p>			
04/09 – 08/17	Section 17 Project	Kaliste Saloom Road Widening & Intersection Improvements – LA 3073 to LA 733 (Lafayette Parish, LA) Ms. Hornsby was the Drainage Quality Manager . She reviewed the no-rise analysis for the bridge design which included a pre-post analysis of the bridge and channel armoring. HEC-HMS and HEC-RAS were utilized. She also ensured that the drainage design followed Lafayette Consolidated Government and LADOTD Hydraulic standards.	
08/18-08/18		Roundabout at Churchpoint/Roddy Road (Ascension Parish, LA) Ms. Hornsby was the Independent Technical Reviewer of the drainage design for the roundabout . The project was reviewed following Fenstermaker’s quality control processes. She reviewed the design ensuring LADOTD design standards were met, modeling and design parameters were accurate, and the drainage design was constructible.	
07/11-ongoing		Apollo Road (LA 93) Extension and Roundabout (Lafayette Parish, LA) Fenstermaker is providing engineering services to the City of Scott to extend Apollo Road to Dulles Drive. This \$14 million project included two miles of a four-lane boulevard and six-foot sidewalks. The new roadway intersects LA 93, which was designed for a roundabout . Fenstermaker completed the preliminary and final design plans, utility relocation coordination, right-of-way plats, agency coordination, and construction administration and inspection. Ms. Hornsby served as Project Manager .	
05/13 – 07/13		Acadiana Regional Airport (ARA) Access Roadway (Iberia Parish, LA) Ms. Hornsby was the Hydraulic Quality Controller . This included the review of inlet spacing, roadside ditch design, outfall channel design, and cross drain sizing (LADOTD HYDRWIN). Ms. Hornsby reviewed the regional model that looked at the impact of the project on regulatory floodplain (HEC-HMS and HEC-RAS). She also ensured the model followed LADOTD Hydraulic Standards . She worked with the LADOTD District Engineer and Drainage Engineer to also address local flooding problems.	



04/15-ongoing	<p>Coach Williams Drive Ext. & Roundabout (Calcasieu Parish, LA) Ms. Hornsby took on the role of Lead Quality Control Reviewer for an \$18.4 million roadway project. Her responsibilities encompassed reviewing the 2D Hydraulic Model (MIKE Flood) established for wetland impact assessment, as well as the hydraulic design of cross drains, inlet spacing, ditches, subsurface drainage, and outfall channels. She ensured that design elements followed the hydraulic guidelines of Calcasieu Parish, Sabine River Authority, and LADOTD. A notable challenge was ensuring that the design elements at the SRA canal met permit standards, including considerations for seepage and turbidity. Ms. Hornsby collaborated with the lead designer and modeler to develop a high-quality design that met permit requirements, involving multiple iterations of review, document tracking, and compliance verification.</p>
10/18-09/19	<p>Ham Reid Road Extension (Calcasieu Parish, LA) This is a \$14.25M construction project that includes a 1-mile asphalt roadway corridor, incorporating walkability and green infrastructure. The corridor includes a 2-lane boulevard section with intersection improvements including roundabouts. As Drainage Quality Control Manager, Ms. Hornsby performed an independent technical review on the inlet spacing and ditch design completed in LADOTD HYDRWIN software, and the impact analysis and outfall channel design completed in HEC-HMS and HEC-RAS. She also was a contributor in the overall layout, design, and implementation of the low impact development elements that included bioswales and detention areas. She ensured all drain design elements were in accordance with Calcasieu Parish, LADOTD, and the gravity drainage district. Ms. Hornsby worked with landscape architects and engineers to ensure design elements were applicable, beneficial, and did not result in future maintenance issues.</p>
06/20-onging	<p>Louisiana Watershed Initiative Region 4 (De Soto, Sabine, Vernon, Rapides, Beauregard, Allen, Jefferson Davis, Calcasieu, and Cameron Parishes) Ms. Hornsby is serving as Lead Hydrologic & Hydraulic Engineer for the Louisiana Watershed Initiative Region 4, an unprecedented project that will manage the future flood risk in the State of Louisiana through watershed-based solutions. Ms. Hornsby is responsible for the oversight of all hydrologic and hydraulic tasks, data collection, model development, and engineering to successfully complete an interactive, usable, and manageable hydraulic and hydrologic Region 4.</p>
02/18-03/20	<p>Red Davis McCollister Road and South Park Drive Roundabout (Calcasieu Parish, LA) This project consisted of improving a four-way intersection with a single-lane roundabout. Ms. Hornsby reviewed the drainage report, calculations, and plans, completed the backcheck on the drainage plans and reports, and ensured that all drainage impact documentation followed FEMA requirements.</p>
09/13-01/19	<p>Sasol LCCP-Heavy Haul Rd (LA378 & LA739) (Calcasieu Parish, LA) Ms. Hornsby served as the Deputy Project Manager and Design Engineer for the 1.5-mile heavy haul route facilitating the transport of oversized modules from the Calcasieu River to a proposed plant site in Westlake. Her responsibilities extended to intersection improvements and side street design, with a focus on ensuring compliance with the LADOTD Hydraulics Manual. Ms. Hornsby was instrumental in coordinating with multiple agencies, including LADOTD, Calcasieu Parish, Department of Health and Hospitals, City of Westlake, and local water and drainage districts. She faced the challenge of implementing drainage improvements along a state highway without disrupting traffic, resolving it by employing a solution involving the jacking and boring of a 96-inch steel pipe beneath the state highway, which was executed over a ten-day period without traffic disruption.</p>
06/13-10/13	<p>US 90 (I-49 South) Albertson Parkway to Ambassador Caffery Design-Build (Lafayette Parish, LA) Ms. Hornsby was the Lead Quality Controller for the hydrologic and hydraulic design. Ms. Hornsby ensured that drainage design elements were in conformance with the LADOTD Hydraulics Manual. She reviewed model setup and assumptions, as well as other design elements for both the final construction and sequence of construction. This review included the use of LADOTD HYDRWIN software as well as the USACE HEC Suite.</p>

16. Staff Experience:			
Firm employed by		C. H. Fenstermaker & Associates, L.L.C.	
Name	Nick Castille, P.E.	Years of relevant experience with this employer	4
Title	Engineer	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		B.S. / 2019 / Civil Engineering	
Active registration number / state / expiration date		48009 / LA / 09.30.25	
Year registered	2023	Discipline	Civil
Contract role(s) / brief description of responsibilities		Road Design / Drainage Design	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed Experience dates should cover the years of experience specified in the applicable MPR(s).		
<p>Nicholas Castille is a licensed Professional Engineer and has experience in design, planning, and hydraulic modeling. His core experience is in hydrologic and hydraulic modeling, open channel drainage systems, and subsurface drainage systems. His projects include various engineering design tasks including roadway plan and preparation, horizontal geometric design, inspections, design of geotechnical features, design of open and closed drainage systems, and hydrologic and hydraulic modeling. In his previous role, he served as an engineer intern, responsible for the supervision of lab and field technicians, assisting in the design of shallow and deep foundations, pavement design, and geotechnical construction materials testing and reporting.</p>			
04/22 – ongoing	<p>Section 17 Project</p> <p>LA 182 (UNIV) @ LA 723 (Renaud) Roundabout (Lafayette Parish, LA) The goal of this project is to design a roundabout which realigns Renaud Drive and Stone Avenue to intersect with University Avenue. This project will include roadway design, hydraulic analysis and design, and utility design. Mr. Castille's tasks included setting up the GIS working file and incorporating various data such as aerial imagery, LiDAR, soils data, land cover data, hydrologic units, and derived contours. He worked on geotechnical boring layouts, updated the roundabout geometry, performed Autoturn analyses, and collaborated with the traffic engineer and other staff. He researched and determined appropriate signage and taper distances, reviewed turn lane configurations, and performed a SIDRA analysis. He worked on vertical alignment and investigated drainage slopes. He also managed project files in Projectwise and prepared submittals.</p>		
11/19-ongoing	<p>Section 17 Project</p> <p>Kaliste Saloom Road Widening & Intersection Improvements - LA3073 to LA733 (Lafayette, LA) The Kaliste Saloom Road Widening project from Ambassador Caffery Parkway (LA 3073) to E. Broussard Road (LA 733) was designed to be a walkable urban thoroughfare with bike lanes according to Complete Streets, and Context Sensitive Solutions (CSS) guidelines which commences approximately 1,500 feet southwest of E. Broussard Road (LA Hwy. 733) and terminates near Ambassador Caffery Parkway (LA 3073). Fenstermaker was in direct responsible charge of all design components and construction management for improvements. Mr. Castille reviewed project plans, progress reports, and managed the payment applications and change orders for this project.</p>		
05/22-ongoing	<p>Section 17 Project</p> <p>Roundabout-E. Broussard at Robley Drive (Lafayette Parish, LA) Fenstermaker designed a modern multi-lane roundabout at the intersection of E. Broussard Road and Robley Drive in Lafayette Parish. Mr. Castille reviewed the roundabout's inlet spacing, the hydraulic design, and the drainage area map. He also reviewed LADOTD standards related to the project area.</p>		
10/20 – 02/22	<p>Section 17 Project</p> <p>Verot School Road Interchange at U.S. Highway 90 (Lafayette Parish, LA) As a sub-consultant to Huval & Associates, Fenstermaker performed engineering design services for improvements to the existing intersection of U.S. Highway 90 (US 90) (Future I-49 South) and Verot School Road. Mr. Castille worked on the roadway striping plans and quantities tables and reviewed drainage patterns and designs.</p>		



12/19-01/21	<p>Apollo Road (LA 93) Extension to Dulles Drive (Lafayette Parish, LA) Fenstermaker was selected to provide engineering services to the City of Scott, Louisiana to extend Apollo Road to Dulles Drive. This fifteen-million-dollar construction project includes two miles of a four-lane boulevard and six-foot sidewalks. The new roadway intersects LA 93, which was designed for a roundabout. Mr. Castille worked on the project drainage areas, roadside channel design, and roadway inlet spacing as well as construction quantity calculations and plan production.</p>
10/21-10/21	<p>S.P. No. H.014560: LA 94: Vermilion River Bridge Repl. Hydraulic and Scour Analysis Mr. Castille was responsible for updating an effective 1D HEC-RAS model created by FEMA to determine water surface elevations and depths of scour at the site of the proposed bridge replacement. Mr. Castille prepared a technical assessment detailing the impacts of the proposed bridge replacement to the existing Vermilion River as it relates to governing regulations.</p>
12/19-07/20	<p>CPPJ Regional Watershed Modeling and Planning (Calcasieu Parish, LA) Mr. Castille was responsible for aspects of data management, input, edits to and creation of geographic information systems data, and terrain modification for use in 2-dimensional hydraulic models. Mr. Castille additionally developed HEC-RAS one-dimensional hydraulic models utilizing previously obtained survey information once conditioned for use in HEC-RAS.</p>
10/21-05/22	<p>Southern University Ravine Project (East Baton Rouge Parish, LA) The USACE issued a Technical Assessment Report that identified two areas of concern related to slope and bank erosions at Southern University. This project focused on ravine mitigation measures and included improving the bank erosion and outfall structure and addressing the retaining wall deterioration and stability concerns. As a sub consultant to Huval & Associates, Inc., Fenstermaker provided numerical modeling, field drone and laser scanning, and environmental permitting services for the project. Mr. Castille was responsible for hydrologic and hydraulic analysis including delineation of drainage areas, derivation of watershed characteristics, and development of HEC-HMS and 2D HEC-RAS models. Mr. Castille was responsible for determining the existing hydrologic and hydraulic conditions of the project site in addition to evaluating effectiveness of proposed hydraulic structures and channel modifications throughout the existing ravine.</p>

16. Staff Experience:			
Firm employed by		C. H. Fenstermaker & Associates, L.L.C.	
Name	Anna Doucet, P.E.	Years of relevant experience with this employer	9
Title	Manager, Engineer	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		B.S. / 2014 / Civil Engineering	
Active registration number / state / expiration date		43469 / LA / 09.30.25	
Year registered	2019	Discipline	Civil
Contract role(s) / brief description of responsibilities		Road Design / Drainage Design	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
<p>Anna’s expertise includes roadway design, hydrologic and hydraulic modeling, project management, and construction management for water resource and transportation projects. Ms. Doucet has served as project manager and deputy project manager on multi-million-dollar projects for both the public and private sector. Ms. Doucet’s primary responsibilities include serving as a project manager-engineer for various projects such as roadway and hydraulic modeling. She has completed several water resources projects, including numerical hydrologic and hydraulic modeling for the use of floodplain mapping, FEMA No-Rise, and FEMA LOMR. She has also utilized numerical modeling to evaluate future conditions of drainage basins and proposing economical projects that would benefit individual watersheds. Ms. Doucet has proficient experience in various software and services such as HEC-HMS, HEC-RAS (1D and 2D), LADOTD’s HYDRWIN, Microstation (includes InRoads and AutoTURN), and HydroCAD. She has experience with ArcGIS, ESRI Applications such as StoryMap and Collector, community outreach, public education, and website development. She has completed formal HEC-RAS training on two-dimensional modeling through West Consultants.</p>			
07/16 – 06/23	<p>Kaliste Saloom Road Widening & Intersection Improvements - LA3073 to LA733 (Lafayette Parish, LA) The project started approximately 1,500 feet southwest of E. Broussard Rd (LA Hwy. 733) and terminated near Ambassador Caffery Parkway (LA 3073). Fenstermaker was in direct responsible charge of all design components and construction management. Ms. Doucet assisted with the sampling plan and the 2059 form required by DOTD.</p>		
Section 17 Project			
07/18-ongoing	<p>S.P. No. H.006459 Roundabout at Churchpoint/Roddy Road (Ascension Parish, LA) Ms. Doucet is assisting with Project Management and is responsible for re-design of this project. Due to funding restrictions, the project was not constructed in a timely manner, and Ascension Parish tasked Fenstermaker in 2018 with updating the original submittals (Fenstermaker completed the original roundabout study, categorical exclusion, traffic analysis, geotechnical, pavement design, preliminary and final engineering plans in 2013). Ms. Doucet is tasked with agency coordination, traffic analysis, roadway and drainage design, utility coordination, quantities, and cost estimates.</p>		
02/16-ongoing	<p>Apollo Rd (LA 93) Extension to Dulles Drive (Lafayette Parish, LA) Ms. Doucet serves as the Deputy Project Manager for this \$15 million project in the City of Scott. She assisted with drainage design and quantities of Phase 1. For the Phase 2, Ms. Doucet is the Engineer of Record. She completed final roadway design plans, which included a roundabout design, utility relocation coordination, agency coordination, and will assist in construction administration. This project includes 2.2 miles of dual six-foot sidewalks and a pedestrian bridge to connect the corridor to the Acadiana High School. She was also responsible for the subsurface drainage design in combination with the paved gutter drains draining into open ditches. The last aspect of this project is the Community No Rise associated with the road improvements in this area for which Ms. Doucet is also the Engineer of Record.</p>		
04/15-04/19	<p>Coach Williams Drive Extension & Roundabout (Calcasieu Parish, LA) This project included roadway and drainage design for a 3-mile connector through virgin territory and a roundabout intersection. Ms. Doucet was involved with the preliminary alignment study,</p>		



	<p>engineering design and plans. As part of this project team, Ms. Doucet assisted in roadway design, cost estimation, and drainage design. Ms. Doucet was also the Deputy Project Manager for the construction implementation of this project.</p>
06/17 – 03/18	<p>Hem Reid Road Extension (Calcasieu Parish, LA) Ham Reid Road is a two-phase, \$14.25 million construction project that includes a unique 1-mile asphalt roadway corridor, incorporating walkability and green infrastructure. The corridor includes a 2-lane (1-lane in each direction with a median) boulevard section with a roundabout located at the intersection of Ham Reid Road and LA 384/Nelson Road. Ms. Doucet was responsible for the drainage design.</p>
04/20-04/21	<p>Contract No. 4400017090 Louisiana Watershed Initiative Region 4 (De Soto, Sabine, Vernon, Rapides, Beauregard, Allen, Jefferson Davis, Calcasieu, and Cameron Parishes) Ms. Doucet served as a regional hydrologic and hydraulic lead modeler for Region 4, an unprecedented project that will manage the future flood risk in Louisiana through watershed-based solutions. Ms. Doucet was also responsible for assisting with data collection, modeling inputs, cost estimates, stakeholder outreach, and other engineering tasks to successfully complete an interactive, usable, and manageable hydraulic and hydrologic Region 4. These models will consider the degree to which communities within a watershed are hydraulically and hydrologically connected, and will lead decisions regarding land use, policy, and infrastructure must now be coordinated, made, and implemented at the watershed level if flood risk is to be effectively managed.</p>
05/18-04/21	<p>Street Level Drainage Projects Phases 1 & 2 (Calcasieu Parish, LA) For the 2018 and 2019 projects, Fenstermaker provided engineering design for the repair and replacement of the existing street-level storm drainage system on 36 roadways located in the Parish’s Wards 1, 2, 3, 4, and 8. Fenstermaker’s responsibilities included design and constructability review, bidding and contracting, construction administration, construction close-out, and agency/utility coordination. Ms. Doucet assisted with project management and utility coordination.</p>
08/15-10/15	<p>S.P. No. H.010620: US 90 (I-49 South) Albertson Parkway to Ambassador Caffery Design-Build (Lafayette Parish, LA) Under the Design-Build Contractor, this project consisted of upgrading a portion of US 90 in Lafayette Parish to a six-lane controlled access facility to also include improvements to the existing east and westbound frontage road system, construction of a new six-lane US 90 overpass structure over both Albertson Parkway and the existing BNSF railroad facility, and construction of all associated US 90 mainline ramps needed to connect these overpass structures and frontage roads. Ms. Doucet assisted with Quality Control for the drainage design.</p>

16. Staff Experience:			
Firm employed by		C. H. Fenstermaker & Associates, L.L.C.	
Name	Jessica Pousson, P.E.	Years of relevant experience with this employer	9
Title	Engineer	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		B.S. / 2015 / Civil Engineering	
Active registration number / state / expiration date		43716 / LA / 03.31.24	
Year registered	2019	Discipline	Civil
Contract role(s) / brief description of responsibilities		Road Design	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
<p>Ms. Pousson is a Professional Engineer whose responsibilities include civil design of various elements such as roadway design, design of roundabouts, traffic impact analysis, drainage design, hydraulic and hydrologic modeling, municipal engineering, and civil site design. Her experience also includes project management as well as public outreach coordination and development of various transportation, drainage, and construction documents. She has developed technical reports, construction estimates, and obtained permits from various agencies. She has served as the lead design engineer and project manager on various projects for private, state, and smaller municipal clients. Ms. Pousson is experienced in utilizing local, state, and federal design guidelines and requirements on various projects including MUTCD, AASHTO, FHWA, Louisiana Department of Transportation and Development (LADOTD) standards, and other municipal ordinances.</p>			
04/18 –ongoing	<p>LA 675 Roundabout at ARA Access Road (Iberia Parish, LA) Fenstermaker prepared construction plans and acquisition documents for the LA 675 Roundabout at Acadiana Airport Access Roadway. ARA Access Road will be extended to the south to connect to LA 675, where a 5-legged roundabout will be constructed. The roundabout will tie into a newly designed boulevard extension that provides a connection from LA 3212 to LA 675. Reconstruction of the US Frontage Road will also be completed. Ms. Pousson serves as Project Manager for the LA 675 Roundabout. She prepared 60%, 95% and 100% Preliminary Plans for LADOTD. She analyzed the existing and proposed drainage and drafted a report with proposed ditch cross sections and structure sizes and respective HYDRWIN results.</p>		
Section 17 Project			
03/18-04/18	<p>Apollo Road – Old Spanish Trail to JB Road (Lafayette Parish, LA) This project involved the design of the Apollo Road extension which will begin at the intersection of Apollo Road (LA 93) and Old Spanish Trail and proceed southerly for approximately two miles to the intersection of Dulles Drive and Rue De Belier. Ms. Pousson assisted with drainage and roadway design revisions, and the bidding and contract phase.</p>		
08/15-02/16	<p>Ham Reid Road Extension (Calcasieu Parish, LA) This project includes the design of two roundabouts and a 1-mile roadway extension. Ms. Pousson assisted in preparing the Roundabout Justification Study, the design plans, and utility coordination.</p>		
11/23-ongoing	<p>Hangar Road Extension & LA Highway 3212 Improvements (Iberia Parish, LA) This project focuses on extending Hangar Drive to LA HWY 3212 and includes intersections at Hangar Drive and Tower Drive, and at Hangar Drive and LaSalle Street. Additionally, it involves the installation of new left turn lanes at two entrances to the First Solar manufacturing facility along LA Hwy 3212. The project also involves the realignment of Leon Landry and an extension of Hangar Drive at the intersection of LA Highway 3212. Fenstermaker provided engineering design services for the extension and improvements along the state highway. Ms. Pousson served as Project Manager.</p>		



08/17-ongoing	<p>Red Davis McCollister Road and South Park Drive Roundabout (Calcasieu Parish, LA) Ms. Pousson is serving as Lead Design Engineer. Jessica prepared horizontal and vertical alignments based on existing survey data and most current LIDAR available. She utilized AutoTURN to determine the necessary geometry criteria based on the client provided traffic requirements. Ms. Pousson also prepared project plan sheets including but not limited to typical sections, plan/profiles, existing and design drainage maps, geometric details, signing and marking details, and cross section sheets. In addition to analyzing the survey data collected, Ms. Pousson coordinated with Calcasieu Parish to obtain as-built information to evaluate existing drainage structures and hydraulic conditions. She utilized modeling software, including HYDRWIN, and developed proposed drainage layout following local ordinances and polices, including open ditch, cross drain, and box culvert design. Ms. Pousson prepared a drainage report containing the existing draining criteria, proposed ditch cross sections, structure sizes and respective drainage model results. Jessica coordinated with a landscape architect concerning the landscaping design and drainage/irrigation of the center island that utilized LID (Low Impact Development) design criteria.</p>
06/22-07/22	<p>Westgate at Eraste Landry Roundabout (Lafayette Parish, LA) This project involved developing a conceptual layouts for a roundabout at the intersection of Eraste Landry Road at Westgate Road under various right of way alternatives. Ms. Pousson utilized AutoTURN to determine the necessary geometric criteria based on the existing roadway alignments as well as multiple roadway alignments illustrating different impacts to the required right of way. During the development process, Ms. Pousson utilized AASHTO and MUTCD manuals for the roadway and pedestrian design criteria.</p>

16. Staff Experience:			
Firm employed by		C. H. Fenstermaker & Associates, L.L.C.	
Name	Joshua Laborde, P.E.	Years of relevant experience with this employer	3
Title	Engineer	Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization		B.S. / 2017 / Civil Engineering	
Active registration number / state / expiration date		46548 / LA / 09.30.24	
Year registered	2022	Discipline	Civil
Contract role(s) / brief description of responsibilities		Lead Utility Coordination / Drainage (Scour Analysis) / Road	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
<p>Joshua Laborde is a Professional Engineer with previous experience at Louisiana Department of Transportation and Development where he provided engineering services on various rural bridge replacement projects. Mr. Laborde has worked in the HEC-RAS hydraulic software for various drainage model related projects, including scour and no-rise studies and has experience with site design, having worked on both parking lot designs and a drainage improvement site design. He is also proficient in MicroStation and InRoads.</p>			
01/21 –02/22	<p>Kaliste Saloom Road Widening & Intersection Improvements - LA3073 to LA733 (Lafayette Parish, LA) Fenstermaker was selected to perform engineering design services for the roadway construction of approximately 2 miles of a 5-lane concrete roadway, a 5-lane bridge over the Isaac Verot Coulee, and a multilane modern roundabout at the intersection of E. Broussard Road and Kaliste Saloom Road. This section of roadway was considered a densely populated, high traffic project site. Mr. Laborde was responsible for designing turn lanes, splitter islands, turnouts, and the striping layouts. He also prepared exhibits and calculated quantities.</p>		
Section 17 Project			
05/19-06/19	<p>Verot School Road Interchange at U.S. Highway 90 (Lafayette Parish, LA) As a sub-consultant to Huval & Associates, Fenstermaker performed engineering design services for improvements to the existing intersection of U.S. Highway 90 (US 90) (Future I-49 South) and Verot School Road. Mr. Laborde contributed to the project's drainage design. He created drainage maps, drafted drainage descriptions, and calculated quantities.</p>		
09/21-12/22	<p>Apollo Road at LA 93 (Dulles Drive) Roundabout (Lafayette Parish, LA) This \$15 million construction project includes 2 miles of a 4-lane boulevard and 6-foot sidewalks. Fenstermaker was responsible for the preliminary and final roadway design plans, utility relocation coordination, land acquisition, right-of-way and parcel plats, agency coordination, wetland delineation and permitting, bid and contract administration, and construction engineering and inspection. Part of the City's Master Plan, the extension is projected to have long-term economic and quality of life impacts to the region and residents of City of Scott. Major drainage improvements and the newly created roadway have created opportunities for residential and commercial developments. This project includes a multi-lane median-divided roadway and 6-foot sidewalks. Mr. Laborde worked on the design of U-turns, turning lanes, j-turns, drainage, the joint layout, driveways, and erosion control. He also contributed to the calculation of the opinion of probable cost (OPC) and reviewed and revised plan sets.</p>		
04/22-ongoing	<p>Frem Boustany Drive Extension Phases 1 & 2 (Lafayette Parish, LA) This project involved the construction of a new 0.25 mile, 2-lane median-divided boulevard roadway with dedicated bike lanes and curb adjacent sidewalks. Fenstermaker was contracted by Lafayette Consolidated Government to perform preliminary and final plans, right-of-way plats, construction survey work and construction. Mr. Laborde served as Design Engineer; he reviewed the road design alignment, revising the opinion of probable cost (OPC), designing the</p>		



	realignment of the channel, reviewing the drainage design , and reviewing the bridge plans. Mr. Laborde also assisted with the USACE permit.
04/22-09/23	Improvements to Petroleum Parkway Ext. (St. Martin Parish, LA) This project was a roadway and drainage improvement project. Mr. Laborde served as Design Engineer , responsible for the horizontal and vertical design of the roadway and re-design of the existing drainage systems , composed of side drains, cross drains, open ditches, and subsurface systems.
01/18-12/21	LA 10 Palmetto Company Canal Bridge, LA 339 Canal & Creek Bridges, US 84 RR Overpass (Lafayette, LaSalle & St. Landry Parishes, LA) Mr. Laborde performed engineering work on three (3) rural bridge replacement projects during his employment at LADOTD.
11/21-ongoing	LA 454 and Wiggins Bayou Scour Analysis (Avoyelles Parish, LA) As a sub to Huval and Associates, Fenstermaker performed a scour analysis for the LA 454 Bridge that crosses Wiggins Bayou, a tributary for the Red River. The bridge is in a bend of the bayou, a position that has caused channel bed scour around the bridge piers and abutments, notably on the bayou's east bank. Fenstermaker analyzed the following conditions: a no-build, where the bridge would remain in its existing condition; and a proposed bridge reconstruction. Fenstermaker used 10-year, 50-year, 100-year, and 500-year storm scenarios to model the proposed conditions and modeled both conditions separately under low and high stages of the Red River to show possible effects on the bayou. Mr. Laborde worked on the hydrologic modeling, analyzed FEMA models, researched flood levels, reviewed project plans, and performed the scour analysis.
08/21-03/22	Alcide Bonin Road Drainage Study (St. Martin Parish, LA) St. Martin Parish tasked Fenstermaker with conducting a drainage study to lessen localized drainage problems along Alcide Bonin Road. Mr. Laborde worked on time of concentration calculations and ditch design. He also reviewed plans and exhibits and updated the project's cost estimate.
07/21-ongoing	Professional Engineering Services for Hydraulic Review and Modeling of Detention (Lafayette Parish, LA) On retainer to Lafayette Consolidated Government, Fenstermaker performed hydraulic reviews and modeled detention to assess drainage problems. The scope included evaluating potential drainage improvements and developing or modifying existing HEC RAS and HEC HMS models for the proposed improvements. Mr. Laborde was an Engineer , responsible for reviewing hydraulic modeling results, modeling existing inlet spacing , reviewing survey data, revising storm sewer modeling , reviewing as-builts, designing fields and ditches , and contributing to drainage , site, and geotechnical design. He also worked on plans sets and opinions of probable costs (OPCs).
03/22-ongoing	Spanish Trail Ind. Park Access Road (St. Martin Parish, LA) Fenstermaker provided professional engineering and survey services to extend Lake Talon Road to LA 182 (Old Spanish Trail Hwy) with an at-grade intersection in St. Martin Parish. Fenstermaker assisted the Parish with all planning efforts including preparing a traffic study, planning and coordinating with the BNSF railroad facility providing topographic survey services, preparing construction plans, preparing and submitting all required permits, and providing construction administration and inspection services. Fenstermaker managed subconsultants for traffic study and geotechnical investigation services. Mr. Laborde served as a Project Engineer and designed drainage , horizontal and vertical profiles, driveways, and intersections. He also worked on the project's permitting, particularly permits associated with BNSF Railway; reviewed and revised plans per LADOTD's comments; contributed to the drainage report ; and calculated the opinion of probable cost.

16. Staff Experience:			
Firm employed by	C. H. Fenstermaker & Associates, L.L.C.		
Name	Steve Draughon, P.E.	Years of relevant experience with this employer	2
Title	Construction Administrator	Years of relevant experience with other employer(s)	35
Degree(s) / Years / Specialization	B.S. / 1986 / Civil Engineering		
Active registration number / state / expiration date	24623 / LA / 09.30.24		
Year registered	1992	Discipline	Civil
Contract role(s) / brief description of responsibilities	Constructability Review		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
Steve Draughon, P.E. is a Construction Administrator whose experience includes design/development, water resource, construction, and maintenance engineering. He also has experience with project planning, project management, and contract management concurrent with his previous position as LADOTD Assistant District Administrator of Engineering for District 3 in Louisiana.			
11/21 –ongoing	Kaliste Saloom Road Widening & Intersection Improvements - LA3073 to LA733 (Lafayette Parish, LA) The project commences approximately 1,500-ft. southwest of E. Broussard Rd (LA Hwy 733) and terminates near Ambassador Caffery Pkwy (LA 3073) and includes a multi-lane modern roundabout. Fenstermaker’s tasks included roundabout design, including geometrics and other roadway related design and waterline layout and design. Mr. Draughon is responsible for the project’s construction administration .		
Section 17 Project			
10/21-11/21	LA 675 Roundabout at ARA Access Roadway (Iberia Parish, LA) Fenstermaker is preparing construction plans and acquisition documents for the LA 675 Roundabout at Acadiana Airport Access Roadway in Iberia Parish. Mr. Draughon performed the constructability review , including the sequence of construction and quantities.		
Section 17 Project			
03/23-ongoing	Roundabout-E. Broussard at Robley Drive (Lafayette Parish, LA) Fenstermaker designed a modern multi-lane roundabout at the intersection of E. Broussard Road and Robley Drive in Lafayette Parish. Mr. Draughon provided constructability review services and worked with the design team on the sequencing of construction (SOQ).		
Section 17 Project			
01/12-12/18	US 90: Albertson Parkway to Ambassador Caffery (Lafayette Parish, LA) Area Engineer: This was a \$57,100,000 LADOTD Design Build Project let in 2013 for the for the Future I-49 South corridor improvements to US Hwy 90, LA 182, and associated frontage roads. The objective was to improve a portion of US Hwy 90 from an existing four-lane facility to a six-lane controlled access facility to meet interstate standards. The project included the reconstruction of mainline US 90 (Future I-49), reconstruction of Albertson Parkway, LA 96, and LA 182, and providing a frontage road system. The project also included a new six-lane grade separated interchange at the existing Albertson intersection and a new six-lane overpass structure over the BNSF railroad.		
10/21-ongoing	Apollo Rd at LA 93 (Dulles Dr) Roundabout (Lafayette Parish, LA) This \$15M construction project includes 2.2 miles of a four-lane boulevard and 6-ft sidewalks to accommodate both bicyclist and pedestrians. The new roadway intersects LA 90 and LA 93, which were designed for a bow-tie intersection and roundabout , respectively. Mr. Draughon is providing construction administration oversight .		
01/12-12/18	Interchange US 90 @ LA 318 (St. Mary Parish, LA) Area Engineer: This was a \$55,718,840 LADOTD Design-Build Project let in 2015 for the Future I-49 South corridor improvements to US Hwy 90 at LA Hwy 318, and associated frontage roads. The objective was to improve a portion of US Hwy 90 from an existing four-lane facility to a four-lane, controlled access facility to meet interstate standards. The project		



	included the reconstruction of mainline US 90 (Future I-49), reconstruction of LA 318, and providing a frontage road system. The project also included a new grade separated interchange at the existing LA 318 intersection.
08/15-12/16	Verot School Rd. (Vincent - EX. 5-L) (Lafayette Parish, LA) Area Engineer: This was a \$32,231,482 LADOTD Bid Build Project let in 2015 for the improvement of LA 339, Verot School Road, from a two-lane roadway to a divided four-lane curb and gutter roadway. The project included the installation of a storm drain system, earthwork, subgrade and base construction, and a Portland Cement Concrete Roadway.
12/16-12/17	I-10: East JCT. I-49 TO LA 328 (Lafayette and St. Martin Parishes, LA) Area Engineer: This was a \$124,743,304 LADOTD Bid Build Project Let in 2016 for the reconstruction of I-10 in portions of Lafayette and St. Martin Parishes. The objective of the project was to improve a portion of I-10 from an access controlled four lane divided highway to an access controlled six lane divided highway meeting interstate standards. The project included the reconstruction of mainline I-10 roadway, installation of a concrete median barrier, storm drain structures, precast-prestressed concrete girder span bridges, a weigh-in-motion system, and all interconnecting access ramps.
01/17-12/18	I-10: LA 347 to Atchafalaya Floodway Bridge (St. Martin Parish, LA) Area Engineer: This was a \$54,690,977 LADOTD Bid-Build let in 2017 for the reconstruction of I-10. The objective was to improve a portion of I-10 from an access controlled four lane divided highway to an access controlled six lane divided highway meeting interstate standards. The project included the reconstruction of mainline I-10 roadway, installation of a concrete median barrier, storm drain structures, widening bridges with precast-prestressed concrete girders and precast concrete girder & steel plate girders, a weigh-in-motion system, and all interconnecting access ramps.
04/22-04/22	FEMA RR045 – Filmore South Group D (FRC) (Orleans Parish, LA) Fenstermaker was contracted to provide professional engineering design and construction administration services for FEMA-eligible street repairs in the Filmore South neighborhood. Services being provided include topographic and right-of-way surveys, roadway and drainage design, environmental study, final design, bid & award services, construction administration, construction close out, and inspection, reporting, and verification. Mr. Draughon reviewed the plans and specifications to prepare for the pre-bid meeting.
06/22-06/22	Thoroughbred Bridge Repairs (Lafayette Parish, LA) The Thoroughbred Bridge Repairs project consisted of the installation of timber pile repairs, timber abutment wall replacement, rip rap placement, removal and replacement of embankment and asphaltic pavement located at Thoroughbred Drive in the City of Carencro. Mr. Draughon reviewed submittals and visited the construction site.

16. Staff Experience:			
Firm employed by		C. H. Fenstermaker & Associates, L.L.C.	
Name	Dustin Guidry, P.E.	Years of relevant experience with this employer	11
Title	Engineer	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		B.S. / 2019 / Civil Engineering B.S. / 2008 / General Studies	
Active registration number / state / expiration date		48010 / LA / 09.30.25	
Year registered	2023	Discipline	Civil
Contract role(s) / brief description of responsibilities		Constructability Review	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
Dustin Guidry is a Professional Engineer with experience in civil engineering and construction management. He started with Fenstermaker as a construction inspector and worked in the field with contractors and engineers to ensure projects were built according to plans and specifications. He gained valuable experience as a CADD Technician and worked with engineers and surveyors to produce construction plans, survey plats, and project exhibits. He obtained his Civil Engineering degree and has worked as a project engineer on construction projects and is responsible for Construction Administration duties and working with contractors, engineers, owners, utility companies, and the public.			
10/25 –06/19	Kaliste Saloom Road Widening & Intersection Improvements - LA3073 to LA733 (Lafayette Parish, LA) The Kaliste Saloom Road Widening project is from Ambassador Caffery Pkwy (LA 3073) to E. Broussard Rd (LA 733). The project commences approximately 1,500' southwest of E. Broussard Rd (LA Hwy 733) and terminates near Ambassador Caffery Pkwy (LA 3073). Fenstermaker is in direct responsible charge of all design components and construction management for improvements. Mr. Guidry provided inspection services for this project. As an inspector, Mr. Guidry oversaw the installation of drainage outfalls, utility installations, embankment, base course, and asphalt paving operations.		
Section 17 Project			
09/17-05/18	LA 675 Roundabout at ARA Access Roadway (Iberia Parish, LA) Fenstermaker prepared construction plans and acquisition documents for the LA 675 Roundabout at Acadiana Airport Access Roadway in Iberia Parish. ARA Access Road will be extended to the south to connect to LA 675. The roundabout will be constructed at this connection. Reconstruction of the US Frontage Road will also be completed. Mr. Guidry served as an engineer intern and was responsible for assisting with the preparation and review of the construction plans.		
Section 17 Project			
05/15-ongoing	Coach Williams Drive Extension & Roundabout (Calcasieu Parish, LA) Fenstermaker served as the prime consultant on this \$18.4 million, multidisciplinary project consisting of engineering design services for the construction of the extension of Coach Williams Drive to connect to Houston River Road (LA 379). This road is approximately 3 miles in length and was designed as a 2-lane open ditch urban collector. Mr. Guidry provided construction administration and management services, including estimating quantities and costs, responding to requests for information (RFIs), reviewing inspection reports, and conducting field visits.		
10/13-11/13	East Pont Des Mouton – Roadway Widening & Water/Sewer Design (Lafayette Parish, LA) Fenstermaker was selected to perform engineering design services for the construction of a 1.4 mile four-lane divided curb and gutter roadway with a raised median (boulevard section), sidewalks, subsurface drainage, and street lighting. The improvements replaced an existing 2-lane roadway of East Pont des Mouton Road. This project involved the conversion of a two-lane asphalt road to a five-lane concrete road and the installation of approximately 14,300 feet of subsurface drainage including 1,400 feet of 84” RCP. Mr. Guidry provided construction inspection , CADD		



	and construction administration services . As an inspector, Mr. Guidry oversaw the installation of subsurface drainage, embankment, base course and PCC pavement operations .
10/20-11/21	RR021 - Central City Group A (Orleans Parish, LA) The City of New Orleans Department of Public Works selected Fenstermaker to provide baseline and topographic survey, roadway design, and construction administration for streets in the Central City neighborhood. Replacement of waterlines were included on several streets and waterline designs provided by the Sewerage and Water Board was incorporated on others. Mr. Guidry assisted with construction administration .
01/18-08/19	Andre St. Bridge Replacement (Lafayette Parish, LA) Mr. Guidry provided construction administration services including calculating materials quantities, working with the City on project bidding and award, reviewing contractor submittals, and working with inspectors on bridge installation oversight.
12/13-10/22	Arceneaux Road Drainage Improvements (Lafayette Parish, LA) The City of Carencro contracted Fenstermaker to prepare a hydraulic report, plans, bid documents, and specifications for this road drainage project. The project included improving the existing drainage conditions along Arceneaux Road from Gaston Coulee to 600 feet east of the Arceneaux Road and Walter Drive intersection, encompassing a drainage area of 170 acres. Mr. Guidry performed construction administration tasks such as coordinating inspector tasks and work, observing installations, reviewing submittals, and assisting with Request for Information (RFI) responses.
05/23-06/23	Street Level Drainage Projects Phases 1 & 2 (Calcasieu Parish, LA) For the 2018 and 2019 projects, Fenstermaker provided engineering design for the repair and replacement of the existing street-level storm drainage system on 36 roadways located in the Parish's Wards 1, 2, 3, 4, and 8. Mr. Guidry was responsible for construction administration tasks such as inspection reporting, overseeing drainage structure construction, and performing punch list inspections.
06/16-02/19	Post Road Channel Improvements (Lafayette Parish, LA) This project involved a channel adjacent to a sewer treatment plant experiencing erosion issues. Fenstermaker was contracted to design and oversee the construction of armoring using articulated block matting. Fenstermaker completed a topographic survey of the channel and performed a slope stability analysis which showed continued erosion would likely result in failure of the levee along the oxidation pond. To prevent this, Fenstermaker developed plans and specs that included channel widening and bank protection and hydraulic modeling was completed to determine and mitigate project impacts. Mr. Guidry revised and updated plans, inspected the clearing and channel layout, and coordinated construction efforts with the contract and the City of Carencro.

Firm employed by Huval and Associates, Inc.					
Name	Colby J Guidry, P.E.		Years of experience with this firm/employer		16.5
Title	Vice President and Lead Engineer		Years of experience with other firm(s)/employer(s)		7
Degree(s) / Years / Specialization		08/95-05/00 Bachelor of Science, Civil Engineering			
Active registration number / state / expiration date		31338/LA/09/30/2024			
Year registered	2004	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities		HUVAL Project Manager/Bridge Design and Ratings / MPR # 5			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).				
Mr. Guidry came to Huval & Associates with 7 years’ experience with the Federal Highway Administration (FHWA). His FHWA experience included all aspects of transportation related projects, where he was actively involved with environmental review, design, construction, and maintenance of bridges and roadways throughout Louisiana. Since joining HUVAL, he has been involved in bridge and structural design, plan preparation, bridge inspections, and construction support services. Completed the two-week FHWA approved comprehensive bridge training course for bridge inspectors, certified as a Bridge Inspection Team Leader, completed the NHI LRFR for Superstructures Course, the Work Zone Traffic Control Technician and Supervisor Courses, ATSSA Flagger Training, the NHI Design & Operation of Work Zone Traffic Control, Roadside Design Course, NHI Highway Hydraulics Course, NHI Urban Drainage Design Course, as well as many construction and environmental related courses. Very familiar with the LADOTD Bridge Design Manuals, 2002 AASHTO Bridge Specs, and the current AASHTO LRFD Bridge Specs					
(Ongoing)	Public and Private Bridge Load Ratings – Statewide – Lead Rating Engineer for bridges across the state on a continual basis. Numerous load ratings performed weekly for a host of clients including parishes, cities, oil field companies, and other clients. The ratings include bridge types such as timber, steel, concrete, movable, fixed, pontoons, and trusses.				
(1/19-Present)	Herman Dupuis Swing Span Bridge (Movable) – St. Martin Parish – Project Manager for the design, load rating, and plan development of a new swing span bridge over alligator bayou which will replace the Butte LaRose Pontoon bridge. Design elements include all aspects of the bridge including environmental clearance, surveying, structural design, mechanical design, electrical design, hydraulic design, roadway design, and all other design elements. Rating of the various bridge components was also performed.				
(10/10-01/22)	Butte LaRose Pontoon Repairs (Movable) – St. Martin Parish – Lead Engineer for the design and Load Rating of numerous repairs to the movable pontoon bridge over alligator bayou. Repairs included deck repairs, stringer repairs, cap repairs, pontoon barge repairs, machinery repairs, pile repairs, abutment repairs.				
(12/20-06/21)	Ascension Parish 26 Bridge Ratings – Inspected, gathered documentation, rated, provided repair plans, as well as assisted in construction rehab reviews for 26 Ascension Parish bridges. Complex analysis rating analysis allowed the bridges to remain open while repairs were planned.				
(01/11-08/14)	St. Ann Bridge Over Bayou Terrebonne (Movable) Swing Span – S.P. 700-55-0107 – Lead structural designer for a new Swing span bridge over bayou Terrebonne. Also assisted with Mechanical reviews throughout the design process. Colby was involved with every aspect of this movable bridge project from environmental clearance through construction. This swing span had unique issues to overcome due to the limited vertical space due to waterway and adjacent road obstructions.				

(4/18 – Present)	Retainer for Engineering Services for Bridge Preservation - Statewide, Contract No. 4400011225 - Supervisor Engineer of Retainer Contract. Responsible for project management, coordination, project setup, QA/QC, Load Ratings and bridge rehab design for the \$4M retainer.
(09/12 – 12/17)	Retainer Contract for Bridge Repair and Rehabilitation Services - Statewide, Contract No. 4400002537 - Supervising Engineer of Retainer Contract. Responsible for coordination, inspections, project setup, QA/QC, Load Ratings, and bridge rehab design for the \$6M retainer contract.
(05/11 – 08/15)	Retainer for Engineering Services for Bridge Preventive Maintenance (BRPM) - Statewide, Contract No. 440001543 -Lead Engineer of Retainer Contract. Led the Inspection and Design for 8 different Task Orders covering Preventive Maintenance Repairs for over 100 Bridges statewide in short timeframes.
(08/09– 06/15)	Retainer Contract for Bridge Repair and Rehabilitation Services - Statewide, S.P. 700-99-0488 - Lead Engineer of Retainer Contract. Responsible for coordination, inspection team leader, project setup, bridge design, and QA/QC of Task Orders totaling approximately \$8.75M over a 5-year period. Contract utilized multiple Subconsultants on all aspects of bridge design and inspection.

Firm employed by Huval and Associates, Inc.					
Name	Justin Peltier, P.E.		Years of experience with this firm/employer		10.5
Title	Civil Engineer		Years of experience with other firm(s)/employer(s)		8
Degree(s) / Years / Specialization		08/01-05/05 Bachelor of Science Civil Engineering			
Active registration number / state / expiration date		34765 / LA / 09/30/2025			
Year registered	2004	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities		Lead Bridge Design / MPR # 4			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).				
Mr. Peltier joined Huval & Associates in 2013 with 8 years of experience in civil engineering. Previously employed with LADOTD, he was involved with the design, live load rating, plan development, and construction support of more than 20 bridge replacement projects. These consisted of various superstructure and substructure types including but not limited to: AASHTO p.p.c. girders, quadbeams, cast-in-place slab spans, precast slab spans, steel girders, steel swing spans, concrete box culverts, p.p.c. pile bents, steel H-pile and pipe pile bents, timber pile bents and column bents supported by drilled shafts and/or p.p.c. pile footings. Mr. Peltier assisted in developing and maintaining LADOTD’s highway safety hardware details and specifications, including but not limited to guard rail, barrier rail, and crash cushion attenuators. He served as the Engineer of Record for the LADOTD concrete barrier rail and the detour bridge special details. Mr. Peltier’s training includes the NHI LRFR for Highway Bridge Superstructure Course, the NHI AASHTO LRFD for Highway Bridge Superstructure Course, the NHI AASHTO LRFD for Highway Bridge Substructure Course, the Roadside Design Course, ATSSA Traffic Control Technician and Supervisor Course.					
(09/20-Present)	I-10: LA 415 To Essen Lane on I-10 and I-12 CMAR – S.P. H.004100 – Serving as the lead bridge engineer and overall structures team lead for this \$1 billion project to widen I-10 in the heavily congested section through Baton Rouge. This very complex project will replace existing bridges in the urban area within an extremely constrained right of way while maintaining the existing traffic flow on I-10 through the construction zone. Roles include bridge design, plan development, load rating, structure rehabilitation, alternative bridge concepts development, construction sequencing, contractor style cost estimates, managing the bridge and structural design and plan production process, leading bi-weekly structures task force meetings, and implementing the bridge design QC/QA process.				
(09/17-Present)	Kansas Lane-Garrett Road Connector and I-20 Improvements, Ouachita Parish, S.P. No. H.007300. Serving as the lead bridge design and load rating engineer for a new Garrett Road bridge over I-20 and a new Garrett Road to Kansas Lane connector structures which spans over the KCS RR right-of-way. The Garrett Road structure consists of an LG-36 p.p.c. girder superstructure supported by column bents and pile footings. The Garrett Road to Kansas Lane connector structure consists of LG-36 p.p.c. girder approach spans with a 3-span continuous plate girder superstructure over the KCS railroad right-of-way and is supported by column bents and pile footings. Also responsible for the design of a new median barrier and bridge pier protection systems to accommodate the inside widening of I-20 and raising the Nutland Road Overpass bridge to increase the vertical clearance above I-20 once the inside widening is complete.				
(06/13-04/19)	US 90 (I-49South), Albertson’s Parkway to Ambassador Caffery, Design-Build Project, Lafayette Parish, S.P. No. H.010620. Served as the lead bridge and load rating engineer for the new US 90 bridge over Albertson Parkway and provided Q.C. for the US 90 BNSF RR overpass bridge within the same footprint as the existing bridge while maintaining 4-lanes of US 90 traffic during construction. This presented unique design challenges and required a complex, three-phase, traffic control and construction sequencing plan to move traffic safely through the tight work zone. The bridges consisted of multi-continuous p.p.c. girders spans supported by concrete column bents and pile footings. The developed design concept saved millions of dollars and allowed the James Team to be 15% below the bids of the nearest competitor.				

(07/17-08/20)	I-10: Highland Road to LA 73, Design Build Project, East Baton Rouge & Ascension Parish, S.P. No. H.009250. Served as the lead bridge and load rating engineer for the widening of the I-10 E.B. and W.B. slab span bridges over Manchac Bayou and provided Q.C. for the replacement of the I-10 E.B. and W.B. bridges over Highland Road with a new steel plate girder bridge with p.p.c girder approach spans. The existing I-10 mainline bridge at the Highland Road interchange needed to be reconstructed under the project to provide longer spans in addition to more lanes. An innovative sequence of construction scheme and bridge design enabled construction of this bridge while maintaining 74,000 ADT traffic. Huval's cost-effective designs enabled its design-build team to be the only competitor to fit within the Owner's budget of \$72 million.
(03/19-4/2023)	I-220/I-20 Interchange IMP & Barksdale Access Design-Build Project, Bossier Parish, LA DOTD S.P. No. H.003370. Currently the bridge design manager and lead bridge design and load rating engineer for the I-220 bridges over I-20 and Barksdale Access Road bridges over the KCS Railroad and also responsible for implementing the QC/QA plan for the bridge design and plan development process. The I-220 structures over I-20 consist of twin bridges utilizing LG-54 p.p.c. girder spans supported by concrete column bents and drilled shafts. The Barksdale Access Road structures consist of twin bridges utilizing LG-54 p.p.c. girder approach spans supported by concrete pile bents and a main span over the KCS Railroad consisting of 170'-0", LG-78 p.p.c. girders supported by concrete column bents and drilled shafts. Some unique challenges that the project has presented is designing applicable I-220 bridge column bents for vehicular collision and completely spanning the KCS own right-of-way utilizing concrete p.p.c. girders.
(04/18 -Present)	I-49 South at Verot School Road, Lafayette, LA, S.P. H.011235, 2016-Present. Serving as the lead bridge engineer to provide preliminary and final engineering and related services to construct 2.4 miles of mainline freeway and an interchange at the intersection of I-49 South/US 90 and Verot School Road. The project consists of an above grade bridge structure on Verot School Road that traverses over the I-49 South/US 90 mainline roadway over and parallel to the BNSF RR. The project also includes one-way frontage roads on both sides of the mainline roadway, a two-way collector service road east of the mainline roadway, and a new alignment of Verot School Road from the interchange to an existing bridge structure approximately 600' west of its intersection with LA 182 (Pinhook Road).
(10/16-12/17)	LA 443: Tangipahoa River Bridge Replacement, S.P. H.012728 - Lead engineer in the LRFD design, LRFR load rating, and plan preparation of a LG-25 and LG-36 p.p.c. girder bridge. This was an emergency replacement, due to the flood of 2016, and 100% final plans were completed in 8 weeks.

Firm employed by Huval and Associates, Inc.					
Name	Rudolph (Rudy) McClellan, PE		Years of experience with this firm/employer		5
Title	Senior Design Engineer		Years of experience with other firm(s)/employer(s)		41
Degree(s) / Years / Specialization		B.S., Civil Engineering with Honors, University of Florida, 1976 Master of Engineering in Structures, University of Florida, 1977 Post Graduate Studies in Structures, Louisiana State University, 1997			
Active registration number / state / expiration date		19994 / LA / 03-31-2024 31148 / FL / 02-28-2025			
Year registered	2004	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities		Bridge Design / MPR #4			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
Mr. McLellan has over 45 years of experience in every facet of Designing Bridges in an Urban Setting and structural design in over 14 states including Louisiana, Texas, Mississippi, Alabama & Florida. He is experienced in Designing Bridges in an Urban Setting including movable bridge design and rating and has been responsible for studies, preliminary and final design, preparation of plans and specifications, cost estimate for highway and railroad fixed and movable bridge projects, flood control structure and special or complex structures, including field inspections and investigative studies. Mr. McLellan has been the chief structural engineer for Designing Bridges in an Urban Setting of four movable bridge projects, including the Award-Winning Double Leaf Fixed Trunnion Bascule Bridge in Louisa, Louisiana.					
(09/18-Present)	Belle Chasse Bridge & Tunnel Replacement Public-Private Partnership Project, Plaquemines Parish, Louisiana, Project No. H.004791 – The bridge includes the fixed high level continuous steel plate girders having spans of 160’ – 175’ – 160’ over the Intercoastal Waterway (ICWW) in an Urban Setting . The project included a vessel collision design for the waterway main piers. Mr. McLellan performed final Bridge Design calculations for the ICWW Main Piers and provided QA/QC for all bridge designs.				
(05/19-Present)	I-220/I-20 Interchange IMP & BAFB Access Design-Build Project, Louisiana, S.P. H.003370 – Mr. McLellan served as Design Quality Manager on this Design-Build project which will provide direct access to Barksdale Air Force Base from the I-220/I-20 Interchange. Mr. McLellan performed the Quality Assurance for the project including the Independent Check requiring Bridge Design calculations of the I-220 / I20 Overpass bridges and Bridges over the KCS Railroad on the project.				
(04/96-7/99)	S.P. 239-01-0077 LA Highway 319 Intracoastal Waterway Bridge Louisa, St. Mary Parish, Louisiana - Mr. McLellan performed preliminary & final Complex Bridge Design calculations for all superstructure & substructure members of the constructed 276 foot double leaf fixed trunnion bascule movable bridge. The Louisa Bridge is the state’s longest steel girder double leaf bascule bridge, is one of the longest span of its type in the U.S. & is the recipient of the National Steel Bridge Alliance’s 2007 Prize Bridge Award Winner in the movable span category.				
(04/09-01/14)	S.P. 840-43-0001 US 71 & US 165 Fort Buhlow Bridge & Approaches Over The Red River, Rapides Parish, Louisiana. Structural Engineer - Mr. McLellan performed final Complex Bridge Design calculations for all superstructure and substructure members of the constructed twin fixed high level three span continuous steel plate girders having spans 300’ - 400’ - 300’ and the Main River Piers which are designed for marine vessel (Barge) collision.				

(01/87-Present)	<p>Old Mississippi River Railroad Bridge and Tunnel (Old U.S. 80), Vicksburg, Mississippi and Delta, Louisiana - Mr. McLellan performed Complex Bridge Design/Rating including bridge safety and repair inspection, bridge load rating and structure maintenance and repair plans repairs for the existing combination highway and railway through truss, the approach deck girder bridge and the concrete tunnel structure.</p>	
(09/99 - 02/03)	<p>North Boulevard Bridge I-110 to 19TH Street, East Baton Rouge Parish, Louisiana, Project No. 97-CS-HC-0019 - Mr. McLellan was the Bridge Engineer and performed the design, quality review of plans, constructability, cost estimates and the final structural calculations and rating analysis for all of the High Performance Concrete 10,000 psi high strength PPC concrete trapezoidal box girder (U-girder) bridge supported by concrete arch shaped piers on footings with drilled shaft in an Urban Setting.</p>	
(09/95-7/01)	<p>Project No. BRDP-9205-00(003) Mississippi River Bridge US 82 Greenville, Mississippi - Mr. McLellan performed the Complex Bridge Design, quality review of plans, constructability, cost estimates and final calculations for the post-tensioned concrete segmental alternate and steel composite alternate of the 1,378 foot cable stayed main navigational span. He performed the Complex Bridge Design for most of the constructed steel composite main span, river piers supported on dredge caisson type foundations & the anchor span piers with drilled shaft footings.</p>	
((03/85 - 01/94))	<p>I-49 / LA 3132 and I-49 / I-20 Interchanges, Shreveport, Louisiana, S.P. 455-08-23 & 455-08-20 - Mr. McLellan performed the Bridge Design, quality review of plans, constructability, cost estimates & final calculations for most of the constructed members consisting of curved continuous steel trapezoidal box girders with spans to 250', steel box framed in cap beams, the post-tensioned concrete delta shaped central (tree) pier and architecturally flared piers of both the constructed four-level bridge interchanges in an Urban Setting.</p>	
(04/89 - 08/90)	<p>I-4 Turkey Lake Road Interchange, Broward County, Florida - Mr. McLellan performed the final Bridge Design calculations for all superstructure and substructure members for the AISC Award Winning curved continuous steel box girder bridge supported by architecturally flared concrete piers having mustang rope indentations. Steel frame-in capbeams were used in the I-4 median to allow for future widening of I-4 in an Urban Setting.</p>	

Firm employed by Huval and Associates, Inc.				
Name	Matthew L. Hebert, P.E.		Years of experience with this firm/employer	10
Title	Civil Engineer		Years of experience with other firm(s)/employer(s)	5
Degree(s) / Years / Specialization		08/02-05/08 Bachelor of Science Civil Engineering		
Active registration number / state / expiration date		37713 / LA / 9-30-25		
Year registered	2013	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities		Bridge Design and Ratings		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
<p>Mr. Hebert joined Huval & Associates, Inc. in 2013 with 5 years’ experience in civil engineering. Previously employed with LADOTD, he was involved with the design, live load rating, plan development, and construction support of more than 20 bridge replacement projects. These consisted of various superstructure and substructure types including but not limited to: AASHTO precast prestressed concrete (P.P.C.) girders, quad beams, cast-in-place slab spans, precast slab spans, concrete box culverts, P.P.C. pile bents, steel H-pile bents, and pipe pile bents.</p> <p>Additionally, Mr. Hebert was project manager for multiple bridge replacement projects. His responsibilities included coordinating all aspects of the plan development process including but not limited to road, bridge, hydraulic, and geotechnical engineering and determining the project scope, schedule, and budget.</p> <p>Mr. Hebert’s training includes the NHI LRFR for Highway Bridge Superstructure Course, the NHI AASHTO LRFD for HWY Bridge Superstructure Course NHI AASHTO LRFD for Highway Bridge Substructure Course, the NHI AASHTO Roadside Design Course, and the NHI Design and Construction of Driven Pile Foundations Course.</p>				
(01/23-04/23)	I-10 Over I-49 Emergency Repairs, S.P. H.015412 – On January 3rd, an over height vehicle struck the I-10 eastbound span over the I-49 northbound roadway. Mr. Hebert worked with LADOTD to develop a multi-staged approach to re-open I-10 eastbound as fast as possible. A new 3 girder section of the bridge had to be designed and constructed off site. It would later be hauled in with SPMT (Self propelled modular transporters) after the damaged section was removed using a similar approach.			
(01/22-Present)	I-10 Calcasieu River Bridge Public-Private Partnership, Calcasieu Parish S.P. H.003931 – Lead Engineer for five bridges on the project. These include Bilbo St., Ryan St., and Lakeshore Drive overpasses, along with the PPG Drive and US 90 Overpasses.			
(10/20-Present)	I-10 CMAR: LA 415 to Essen Lane on I-10 and I-12, East & West Baton Rouge Parishes S.P. H.004100 – As an Engineer on this project, Mr. Hebert developed an alternative bridge construction phasing approach through a constructability review. This alternative phasing approach leads to safer MOT and reduced construction times, throughout the corridor.			
(02/17-11/20)	I-10 Design Build-LA 42 to LA 73, S.P. No. H.009250 - Lead Engineer for the LRFD design, plan preparation, and LRFR live load rating for the Highland Rd. overpass. Highland Rd. consisted of a full replacement of 2 existing structures utilizing a 3-span structure which included 2-60ft. prestressed girder spans and 1-190ft. steel plate girder span. The superstructure is support by column bents and pile bents and will be one structure at the end of the project. In order to maintain traffic, the bridge had to be constructed in 3 separate stages.			



(04/14-07/18)	I-49 South-US 90 Albertson Pkwy to Ambassador Design Build, H.010620 – Lead Engineer for LRFD Bridge design and plan preparation of the mainline bridge and the two frontage road bridges over BNSF Railway. The bridges consisted of BT-72 girder spans with column bents and pile footings.
(06/19-Present)	I-220/I-20 Interchange IMP & BAFA Access Design-Build Project, S.P. H.003370 – Mr. Hebert is serving as Bridge Design Quality Assurance on this design build project which will provide direct access to Barksdale Air Force Base. Most recently, Mr. Hebert has assisted with the QA of the I-220 Overpass bridges and KCS Overpass bridges on the project.
(9/18 – 6/19)	Loyola Design Build I-10 Airport Interchange, Jefferson Parish, Louisiana, S.P. No. H.011670 - Mr. Hebert was a primary bridge engineer throughout the RFP design phase for this complex urban interchange. A new interchange was designed and superimposed onto the existing Diamond interchange to provide direct connector access to the new New Orleans International Airport terminal. Assisted in the preparation of steel tub girder design and details, concrete box girder design and details, as well as plans and proposal documents for the RFP phase of the project. Assisted in development of alternative technical concepts, suggested sequence of construction, and miscellaneous bridge design items and other details. Assisted in the coordination and organization of all project data with the various members of the design team from numerous consulting firms.
(3/18 – Present)	Belle Chasse Public-Private Partnership Project, Plaquemines Parish, Louisiana, Project No. H.004791 -- Mr. Hebert was the Bridge Design Lead throughout the design phase for this new high-level fixed bridge over the Intracoastal Waterway. The new bridge will replace the existing moveable bridge and tunnel system. This is the first highway public-private partnership project in Louisiana. The bridge will be constructed in 2 stages to assist in MOT.
(9/18 –8/19)	LA 106: Bayou Boeuf Bridge, H.009497 - Lead Engineer for the LRFD design, plan preparation, and LRFR live load rating of a new bridge structure to replacement an existing bridge. The new bridge structure consisted of LG girders and pile bents.
(11/15 – 4/17)	Kaliste Saloom Roadway Widening, LCG – Lead Engineer for the LRFD Bridge Design and plan preparation of an AAHSTO Type 4 girder bridge with pile bents on skew.
(10/16-12/17)	LA 443: Tangipahoa River Bridge Replacement, S.P. H.012728 – Assisted in the LRFD design, LRFR load rating, and plan preparation of a LG-25 and LG-36 p.p.c. girder bridge. This was an emergency replacement and 100% final bridge and roadway plans were completed in 8 weeks. In addition to the emergency timeline, the project had to be designed and constructed within the existing right-of-way and could not interfere with another bridge structure located approximately 250ft east of the existing bridge to be replaced. LADOTD also required that the low chord elevation of the new bridge be set to maximize the design storm flood year while also meeting all other project constraints. The design of the bridge also had to meet the LADOTD minimum design guidelines for design speed and ADT.

Firm employed by Huval and Associates, Inc.					
Name	Reid Romero, P.E.		Years of experience with this firm/employer		14
Title	Civil Engineer		Years of experience with other firm(s)/employer(s)		0
Degree(s) / Years / Specialization		08/95-05/00 Bachelor of Science, Civil Engineering			
Active registration number / state / expiration date		37772 / LA / 9-30-2025			
Year registered	2013	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities		Bridge Design			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).				
Mr. Romero came to HUVAL after graduating from the University of Louisiana at Lafayette in 2008. Since joining Huval & Associates, Inc., Mr. Romero has been involved in bridge and structural design, plan preparation, bridge inspections and construction support services. Mr. Romero completed several NHI training courses including Fundamentals of LRFR and Applications of LRFR for bridge superstructures course, and a Drilled Shaft LRFD design methods and construction procedures course. Mr. Romero is familiar with the LADOTD Bridge Design Manual, LADOTD LRFD Bridge Design Manual, 2002 AASHTO Bridge Specifications, as well as the current AASHTO LRFD Bridge Specifications.					
(4/18 – Present)	Retainer for Engineering Services for Bridge Preservation - Statewide, Contract No. 4400011225 - Lead Engineer of Retainer Contract. Responsible for coordination, project setup, QA/QC, and bridge rehab design for the \$4M retainer.				
(5/20 – Present)	Retainer for Engineering Services for Bridge Preservation - Statewide, Contract No. 4400017262 - Lead Engineer of Retainer Contract. Responsible for coordination, project setup, QA/QC, and bridge design for the \$5M retainer.				
(03/19-06/22)	I-220/I-20 Interchange Imp & BAFB Access Design Build Project – S.P. No. H.003370 – Responsible for QA of the bridge plans and load rating for the LA 1267 bridges over I-20 and the LA 1267 bridges over the KCS Railroad. The LA 1267 structures over I-20 consist of twin bridges utilizing LG-54 p.p.c. girder spans supported by concrete column bents and drilled shafts. The LA 1267 structures over KCS Railroad consist of twin bridges utilizing LG-54 p.p.c. girder approach spans supported by concrete pile bents and a main span over the KCS Railroad consisting of 170’-0”, LG-78 p.p.c. girders supported by concrete column bents and drilled shafts. Some unique challenges that the project has presented is designing applicable LA 1267 bridges over I-20 column bents for vehicular collision and completely spanning the KCS own right-of-way utilizing concrete p.p.c. girders.				
(01/19-05/19)	I-10 Loyola Design-Build Project RFP Phase 30% Design - S.P. H.011670 – Lead bridge engineer throughout the RFP design phase for this complex urban interchange. Assisted in the preparation of steel tub girder design and details, concrete box girder design and plans, as well as plans and proposal documents for the RFP phase of the project. Created dozens of computer models in order to analyze and size the steel tub girders, taking into account system redundancy. Assisted in development of alternative technical concepts, suggested sequence of construction, and miscellaneous bridge and other details. Assisted in the coordination and organization of all project data with the various members of the design team from numerous consulting firms.				
(03/23-current)	Jimmie Davis Bridge (LA 511), S.P. No. H.001779 – Bridge task lead for the Design Build project to construct the new four lane bridge across the Red River in Bossier / Caddo Parish. The project includes the reconstruction of nearly two miles of LA 511 into a modern, four lane median divided highway. The project encompasses the creation of full access interchange connections at two key junctions: Arthur Ray Teague Parkway and Clyde Fant Memorial Parkway. These interchanges will seamlessly integrate with upgraded LA 511. The initiative also				

	includes the transformation of the existing Jimmie Davis Bridge into a Linear Park. The repurposed structure will be a vibrant public space, featuring new multi-use paths for pedestrians and cyclists.
(7/17-8/20)	I-10: Highland Road to LA 73, Design Build Project, East Baton Rouge & Ascension Parish, S.P. No. H.009250 - Led the design, plan preparation, and load rating for the repair of the prestressed girder bridge on LA 928. Performed QA/QC of the LRFD design calculations and load rating for the steel girder bridge at Highland road and the slab span widening at Bayou Manchac. The existing I-10 mainline bridge at the Highland Road interchange needed to be reconstructed under the project to provide longer spans in addition to more lanes. An innovative sequence of construction scheme and bridge design enabled construction of this bridge while maintaining 74,000 ADT traffic. Huval's cost-effective designs enabled its design-build team to be the only competitor to fit within the Owner's budget of \$72 million.
(10/19-current)	New Swing Span- Herman Dupuis RD. Pontoon BR. Replacement, St. Martin, LA, Bridge Recall 200896 – Lead structural engineer for the bridge design and plan development of a new swing span bridge over alligator bayou which will replace the Butte LaRose Pontoon bridge. Project is currently under construction. Designed, detailed, and sealed final plans, specifications, calculations, load rating and cost estimates for all structural elements.
(11/17-07/18)	Surrey St. Bridge Repairs, Lafayette Parish – Lead Engineer for the repair of the Surrey St. Bridge in Lafayette. Project consisted of bearing repair and replacement, concrete riser construction, deck overlay, joint repairs, painting of steel girders with full enclosure, and miscellaneous work.
(03/11-06/13)	I-49 Segment I Ratings, S.P. 701-65-9999 – Performed as-designed LRFR calculations on two prestressed girder bridges. Utilized VIRTIS to model varying girder spans. Created rating reports for each span configuration. Developed bridge load rating summary sheets. Provided construction services on an as-needed basis.
(01/12– 11/13)	I-49 North Segment J (MLK Blvd. to LA 1), S.P. H.003496.5 – Performed LRFD design calculations and led plan preparation on two prestressed girder and steel girder bridges. Performed approach slab design, girder design check using LEAP Conspan, cap and column design check using LEAP RC Pier, steel girder design check using MDX, deck and overhang reinforcing design check, strip seal joint opening calculations, quantity calculations and QA/QC, and elevation calculations. Mr. Romero also provided load rating of the completed structure.
(03/09-11/10)	I-49 North (LA 1 – LA 173), S.P. 701-65-1230 & S.P. 701-65-1349 – Assisted in plan preparation and performed LRFD design calculations on a Type BT Prestressed Girder Bridge and a Type IV Prestressed Girder Bridge. Performed fixed and expansion bearing pad design, deck and overhang reinforcing design, quantity calculations and QA/QC, strip seal joint opening calculations, girder design check using LEAP Conspan, cap and column design check using LEAP RC Pier, and elevation checks.

16. Staff Experience:

Firm employed by Urban Systems, Inc.			
 <p>Alison C. Michel, P.E., PTOE, PTP, RSP_{2i} President/Transportation Engineer</p> 	Years of relevant experience with this employer		22
	Years of relevant experience with other employer(s)		3
Degree(s) / Years / Specialization		BS / 1997 / Civil Engineering	
Active registration number / state / expiration date		30261 / Louisiana / 03/31/2025	
Year registered	2002	Discipline	Professional Engineer: Civil Engineering
Active registration number / state / expiration date		1023 / Louisiana / 11/06/2026	
Year registered	2002/2017	Discipline	Professional Traffic Operations Engineering/ No.1023 / 11/06/2026
Active registration number / state / expiration date		Professional Transportation Planner /No. 626/ 11/20/2026	
Year registered	2023	Discipline	Road Safety Professional 1/ No. 115 / 12/2024
Active registration number / state / expiration date		Road Safety Professional 2i / No. 148/ 03/2026	
Contract role(s) / brief description of responsibilities		Professional In Charge of Traffic Engineering Tasks	
		<p>Ms. Michel has over twenty-five (25) years' experience in Traffic Engineering and Transportation Planning. Ms. Michel has a wide array of experience with transportation studies including traffic impact, safety, corridor, feasibility/Stage 0, environmental/Stage 1, multi-modal and transit facilities. She has experience in the timing of coordinated signal systems and progression analyses. She is proficient in microscopic simulation modeling using VISSIM and CORSIM and also in analysis programs such as Highway Capacity Software (HCS), Tru-Traffic and SIDRA. She has extensive design experience that includes permanent and temporary traffic signals, traffic control devices for work zones, intelligent transportation systems, signage and striping.</p>	
11/08-11/12	<p><u>Interstate 10 at LA 44 and LA 44 at Edenborne Pkwy Traffic Signal Design</u> Ms. Michel was the Principal in Charge responsible for the management and QA-QC of the project to design the new traffic signals for the River Parish Community College (RPCC) based development in Gonzales, LA. The design included interconnection between the signals and connected into LADOTD's mainline fiber network. She coordinated between the developer and the LADOTD District Traffic Engineer to obtain a permit for the construction. This included collaborating with the LADOTD Traffic Engineering Management section on use of the latest TSI forms and with the LADOTD Intelligent Transportation System office regarding tying into the mainline fiber optic communication network along Interstate 10.</p>		
01/14-08/19	<p><u>US 90 (I-49 South) Albertson's Parkway to Ambassador Caffery Design-Build Project, Lafayette Parish, LA (LADOTD)</u> Ms. Michel was a member of the key personnel for this design-build project as the Traffic Engineer. The project included converting US 90 to a controlled access facility by converting at-grade intersections to an interchange in Lafayette, LA. The bridge structure had to span the intersection and a railroad. She supervised the design and analysis and performed QA-QC for temporary and permanent signal plans, permanent signage plans, temporary traffic control plans and the Transportation Management Plan. Signal plans were prepared using the DOTDs latest TSI format. Analysis included developing design hour volumes for the design year and modeling signals in Synchro. Phasing and timing were developed for both permanent and temporary signal operation.</p>		
<div style="background-color: red; color: white; padding: 5px; display: inline-block;">Section 17 Project</div>			

01/06-06/07	<u>Intersection Improvements Livingston & St. John Parishes</u> Ms. Michel was project manager for intersection signal design for intersections on US 190, LA 3282 and LA 1030, where signalization was added or modified. A left turn lane was added to the eastbound approach of LA 64 and the westbound approach of LA 1026. A left turn lane was added on the eastbound LA 44 approach and separate right turn lanes on the LA 44 westbound and LA 3223 southbound approach. The signage and striping were designed by Ms. Michel to incorporate the added lanes.
10/10- current	<u>Pecue Lane / I-10 Interchange Environmental Assessment</u> Ms. Michel was the Principal in Charge for the Traffic Engineering tasks as a sub-consultant for the Pecue Lane / I-10 Interchange project. She managed the staff, communicated with clients and performed the technical QA/QC for each phase. The phases included preparing a traffic study for the <i>Stage 1 Environmental Assessment</i> , updating the <i>Interchange Justification Report</i> for submittal to FHWA, preparing a Transportation Management Plan, and designing traffic signals using the LADOTD TSI format. At the time of the design, this was to be Louisiana's first Diverging Diamond Interchange (DDI). Ms. Michel worked closely with DOTD and Baton Rouge City-Parish to develop signal phasing and timing for the DDI using Highway Capacity Software and VISSIM. The design of the signal at the intersection of Pecue Ln at Rieger Rd was also reviewed by Ms. Michel. Her familiarity with Highway Capacity Software, Transcad, CORSIM and VISSIM was critically important during the various phases of the project. Ms. Michel reviewed the construction cost estimates for each signal. The last phase of this project will be construction administration.
10/15-09/16	<u>Ascension Parish TIAsU</u> Ms. Michel has been conducting Traffic Impact Analyses (TIA) for proposed developments in Ascension Parish for more than twenty years. TIAs for the Ascension Parish School Board included K-5 Bluff Road, K-5 Emory Ficlin Road and Central Primary. Under Ms. Michel's direction, USI staff prepared TIAs for East Creek Villas, Mosaic Faustina Facility Expansion, Serenity Oaks, Eagles Landing Subdivision, Megan's Lake Subdivision, Mossy Oaks Subdivision, Prairieville C-Store and many others. She is familiar with the roadway network in Ascension Parish, LADOTD Traffic Impact and Access Management Policies, and preparing plans in LADOTD format. Many of these projects included designing improvements for impact mitigation. She also supervised two projects for Ascension Parish to review their Traffic Impact Policy and prepare updates.
01/08-06/08	<u>Tanger Boulevard Traffic Signal Design and Modification / Tanger Outlet Mall Parking Lot Re-Design</u> For Tanger Properties regarding the Tanger Outlet Mall, Ms. Michel, conducted a traffic study, prepared a parking lot re-design and developed traffic signal design and modification plans for Tanger Boulevard at LA 30/Nicholson Drive in Gonzales, LA. Modifications were required to accommodate the new triple left turn geometry, including the removal and replacement of a mast arm. She performed capacity and progression analysis to determine the optimum phasing and timing for the subject signal and the coordinated signal plans to provide progression between the signal and the signals at the Interstate 10 ramps. Design sheets included striping layout, traffic signal layout , traffic signal wiring diagram, coordinated signal timing, and standard plans and details.
02/20- current	<u>LA 23: Belle Chasse Bridge & Tunnel</u> Ms. Michel is managing USI's tasks for Owner Verification services focused on reviewing design plans for traffic related submittals from the design-builder. These submittals included capacity analysis, plans for traffic signals, signage and striping. Ms. Michel conducted Quality Assurance/Quality Control reviews to confirm adherence with LADOTD standards and the Manual of Uniform Traffic Control. During the construction, Ms. Michel may provide support by reviewing Traffic Control Devices Plans for proposed lane closures, detours and advanced warning signage in Plaquemines Parish, LA .

Firm employed by Urban Systems, Inc.			
 <p>Nicole Stewart, P.E., PTOE Vice President / Transportation Engineer</p> 	Years of relevant experience with this employer		19
	Years of relevant experience with other employer(s)		1.5
Degree(s) / Years / Specialization		BS / 1997 / Civil Engineering	
Active registration number / state / expiration date		34750 / Louisiana / 09/30/2025	
Year registered	2009	Discipline	Professional Engineer: Civil Engineering
Active registration number / state / expiration date		2923 / Louisiana / 08/14/2024	
Year registered	2012	Discipline	Professional Traffic Operations Engineering
Contract role(s) / brief description of responsibilities		Traffic Engineering/Striping signage TCDP & TMP	
	<p>Ms. Stewart has nineteen (19) years of experience in Traffic and Transportation Engineering and is a certified Traffic Control Design Specialist. Ms. Stewart has extensive experience in preparing Transportation Management Plans and site-specific traffic control devices plans for every possible environment. This includes closing downtown streets with bike lanes and sidewalks, suburban road closures on multilane highways, and rural road closures requiring extensive detours as well as ramp and interstate closures, both intermittent and long term. Ms. Stewart has designed numerous traffic signals with and without pedestrian accommodations. She has conducted safety studies for public and private clients to improve pedestrian mobility and safety in areas with high volumes of pedestrian activity. Ms. Stewart has experience in signal design and timing of coordinated systems for LADOTD. She has experience using Highway Capacity Software (HCS), Synchro, and SIDRA.</p>		
01/06-04/09	<p>Ryan Street at Prien Lake Road Intersection Improvements Ms. Stewart prepared the design plans for roadway modifications and traffic signal upgrade in Lake Charles, LA. The turn lanes on both Ryan Street and Prien Lake Road had to be designed within limited Right of Way. Modifications to existing subsurface drainage were included. The construction documents were prepared per LADOTD standards. Ms. Stewart prepared an opinion of probable cost based on LADOTD pay items. The intersection improvements were successfully constructed.</p>		
04/08-11/10	<p>LA 431 Corridor Stage 0 Traffic Study Ms. Stewart led the efforts as the engineer responsible for the safety analysis in Ascension Parish. The primary focus of the study was to identify the causes of the high number of roadway departures on LA 431 between LA 42 at US 61. Improvements were identified and analyzed for the eight major intersections within the study area. After conducting a review of detailed accident reports, speed studies and intersection analysis, recommendations included converting the LA 431 at LA 42 intersections to a roundabout with lighting to reduce nighttime collisions. The roundabout was successfully constructed.</p>		
02/15-06/16	<p>Bridge Preventative Maintenance District 61 Ms. Stewart was the principal in charge for Traffic Management Plans (TMP) for bridge replacement and repairs for various locations in Louisiana. This included developing various levels of TMP's based on LADOTD EDSM guidelines. Tasks included conducting capacity analysis, safety analysis, detour analysis and developing proposed mitigations where</p>		

	applicable. For the reconstruction of the LA 1 bridge over the Intracoastal Waterway, a detailed Level 3 TMP was prepared. For this TMP, detailed work zone impact management strategies were developed to help minimize the project's impact on mobility.
04/10-08/11	<u>LA 447 and I-12 Interchange Stage 0 Feasibility Traffic Study</u> This traffic study was conducted by Ms. Stewart along with other team members to develop and analyze seven (7) intersections along LA 447 in the vicinity of the I-12 interchange in Livingston Parish. Roundabouts were considered for three (3) of the intersections. Ms. Stewart managed the data collection efforts that included vehicle and traffic assignments forecasting based on Transcad model output classification, speed, and crash data. Ms. Stewart was responsible for the QA/QC of the traffic analyses using Highway Capacity Software, Plus and SIDRA. The roundabouts have since been designed and constructed by others.
02/20-01/23	<u>US 190 at Northshore and Camp Villere Roundabouts</u> As the principal in charge, Ms. Stewart was responsible for the Quality Assurance/Quality Control check of the temporary signal design plans that were required for the complex phasing of roundabout construction. Ms. Stewart also reviewed the preliminary Traffic Control Devices Plans prepared by the prime consultant and provided detailed comments to ensure that the plans conformed to the most recent edition of the MUTCD and the latest LADOTD Traffic Control Details.
05/18-04/19	<u>TMP for I-10: West of 108 to I-210 Interchange: Rubblize and Overlay</u> As the lead engineer for this Traffic Management Plan , Ms. Stewart was responsible for the preparation of the safety analysis. She conducted the analysis per the guidelines set forth by LADOTD in <i>Guidelines for Crash Data Analysis</i> for this TMP in Lake Charles, LA. She conducted queue analysis to identify when lane closures would be permitted, identified the construction impact area and reviewed crash data for more than 350 collisions. Ms. Stewart identified trends and calculated crash rates and determined that the section of I-10 that was going to be rubblized had a crash rate that was higher than the statewide average and required mitigation.
03/12-11/13	<u>MacArthur Interchange Signal Modification/ Signage & Striping / Traffic Control Devices Plans</u> The traffic study to evaluate the existing and projected operating conditions of the lower Westbank Expressway in Harvey, LA was prepared by Ms. Stewart. In the second phase, Ms. Stewart designed the new traffic signals for the interchange and neighboring intersections. She prepared the striping and signage plans to accommodate the ramp changes and prepared Traffic Control Devices Plans for the various stages of construction.
02/20-05/21	<u>MDOT Low Cost Safety</u> As the principal in charge, Ms. Stewart developed a plan to visit and document existing conditions at one hundred and sixty-four (164) intersections in Mississippi, that had been identified by MDOT as needing either basic, intermediate or enhanced low-cost safety improvements. Once a strategic plan to visit each intersection was prepared, Ms. Stewart was one of two engineers to visit each site. She was responsible for design plans for each of the intersections she visited and performed QA/QC on those she did not design. Upgrades to signage and striping was designed for each intersection in accordance with MUTCD and MDOT standards. Ms. Stewart prepared a construction cost estimate and performed a quality assurance check of the final plans.

Section 17 Project

Section 17 Project

Firm employed by Urban Systems, Inc.			
 <p>Christine M. Darrah, P.E. Transportation Engineer</p> 	Years of relevant experience with this employer		9
	Years of relevant experience with other employer(s)		20
Degree(s) / Years / Specialization		BS / 1997 / Civil Engineering	
Active registration number / state / expiration date		25828 / Louisiana / 09/30/2025	
Year registered	1999	Discipline	Professional Engineer: Civil Engineering
Contract role(s) / brief description of responsibilities		Traffic Engineer/Design Analysis and QA/QC	
	<p>Ms. Darrah has experience in Transportation/Civil Engineering including maintenance of traffic, roadway design plans and specifications, construction management and quality control. She is proficient in the use of AutoCAD, Adobe Illustrator, and Highway Capacity Software (HCS). She also has experience using MicroStation and TransCAD. She has experience developing temporary striping and signage plans for various conditions including lane closures, road closures, flagging operations and full detour plans. Ms. Darrah has prepared traffic signal design plans in LADOTD format. She has been involved in Operational Analysis, Data Collection, Safety Studies, Crash Data Analysis, and Bike/ Pedestrian accommodations. Her many years and wide variety of experiences are valuable during studies, design development and QA/QC.</p>		
11/20-02/23	<p>US 190 at Northshore and Camp Villere Roundabouts As project engineer, Ms. Darrah oversaw the design of permanent striping & signage plans per LADOTD standards and specifications. She also designed temporary traffic signals that would be required during the multiple phases of roundabout construction. A Level 2 Traffic Management Plan (TMP) was also prepared. Ms. Darrah coordinated with the prime-consultant, St Tammany Parish, and LADOTD as needed.</p>		
06/21-10/21	<p>MSY Entrance Road Capacity, North Terminal Louis Armstrong New Orleans International Airport Ms. Darrah prepared temporary and permanent striping and signage plans for the widening of the Southbound Airport Access Roadway, realignment of TNC Road, and widening of Northbound Airport Access Rd. As part of this project, she performed a comprehensive review of the adjacent Airport Access Rd Improvements included in the I-10/Loyola Interchange Improvement project. The proposed improvements required temporary closure of one lane of the airport roundabout, roundabout slip lane and right lane of Northbound Airport Access Rd.</p>		
03/18-05/18	<p>Ascension Parish TIA Policy Update Ms. Darrah updated Ascension Parish's Traffic Impact Assessment Policy and created a Traffic Scoping Information form to assist the parish with reviews. She coordinated with Ascension Parish Administration, the Engineering Review Personnel, and Planning Commission on the updates to the policy and the parish ordinance.</p>		
03/14- current	<p>Transmission Line Reconductoring Projects Ms. Darrah designed numerous Traffic Control Devices Plans for over 100 miles of transmission line replacement to meet US Army Corps of Engineers, LADOTD, parish and MUTCD standards in New Orleans, LA. The plans and specifications included, but were not limited to, the proper placement of temporary Traffic Control Devices (signs, barricades, and drums, etc.) for city street, highway, and interstate closures to facilitate traffic and oversized equipment safely and efficiently through the traffic control zones. Interstate projects included lane closures, intermittent full closures and rolling closures of the interstate system. Ms. Darrah assisted Entergy with permit preparation for work on state routes and road closure request with local entities.</p>		

09/14-12/14	<u>SELA 26 Widening of Florida Ave. Canal Phase II and III</u> Ms. Darrah designed Traffic Control Devices Plans to meet US Army Corps of Engineers, LADOTD and MUTCD standards at Florida Avenue Canal in New Orleans, LA . The plans and specifications included, but were not limited to, the proper placement of temporary Traffic Control Devices (signs, barricades, drums, roadway markings, etc.) to facilitate traffic safely and efficiently through the traffic control zone. Haul routes were designated when necessary.
04/18-01/22	<u>N. Peters Sidewalk Expansion</u> Ms. Darrah prepared construction drawings and specifications for the reconstruction of the sidewalk adjacent to Canal Place Shopping Center in the Downtown Development District (DDD) in New Orleans, LA. The plans included the geometric layout , grading, drainage, street lighting, striping and traffic control. The plans followed all DDD, MUTCD, ADA, New Orleans DPW and S&WB requirements. Ms. Darrah also provided Construction Management Services. This included field inspections, responding to inquiries and reviewing contractors invoices.
06/22-10/22	<u>KCS Acadian Thruway</u> This project included lane closures and full closure of Acadian Thruway at the KCS bridge near the I-10 interchange in East Baton Rouge Parish. Ms. Darrah prepared the Traffic Control Devices Plans applying MUTCD and LADOTD standards for proper placement of traffic control devices. Additional project efforts included designing lane closures on an I-10 onramp for laydown access and police-controlled haul routes.
06/14-01/17	<u>City Park Parking Lot Improvements</u> Ms. Darrah lent her expertise to design roadway and parking lot improvements in City Park, New Orleans, LA. Ms. Darrah provided QA-QC of the construction drawings and specifications to ensure accordance with all MUTCD, ADA, and New Orleans DPW requirements. Permeable asphalt pavement was used in the parking lot to incorporate green infrastructure in the project. The work consisted of geometric layout , grading, drainage, utility adjustments, striping and signage. Ms. Darrah also conducted construction administration services to ensure compliance with City of New Orleans DPW standards.
07/22-08/22	<u>Mossville</u> As the project Manager Ms. Darrah designed Traffic Control Devices Plans for two rolling closures of I-10 and associated ramps in Lake Charles, LA for transmission line repairs. Efforts included designing plans for interstate closure and detours. Ms. Darrah coordinated with LADOTD and Calcasieu Parish in identifying optimal locations for Dynamic Message Signage.

Firm employed by Urban Systems, Inc.			
	Matthew H. Morgan, P.E. Transportation Engineer		
			Years of relevant experience with this employer Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		BS / 2009 / Civil Engineering	
Active registration number / state / expiration date		47060 / Louisiana / 03/31/2024	
Year registered	2022	Discipline	Professional Engineer: Civil Engineering
Contract role(s) / brief description of responsibilities		Transportation Engineer	
		<p>Mr. Morgan has (12) twelve years' experience that ranges from starting as a Data Collection Manager while in college to an E.I and now a P.E. for Traffic Engineering/ Transportation planning projects. He has collected and delivered volume, class, and speed data to project managers using road tube equipment and camera systems. Mr. Morgan has been a team member for many projects that involved intersection, freeway, and highway analysis. He has assisted with Traffic Impact Studies, Traffic Control Device Plans, Interchange Modification/Justification Reports, Stage 0 Studies, Transportation Management Plans, and a variety of other studies. Mr. Morgan's design experience includes from traffic signals, signage and striping. He has been heavily involved in complete streets projects with a focus on bike/ pedestrian facilities. Morgan's wide range of experience in a short time will bring creativity and innovation to roadway projects when traditional methods won't meet the unique needs of the community. He is proficient in the following software: PetraPro, TraxPro, MetroCount, Excel, AutoCAD, SIDRA, HCS, SIDRA, VISSIM, CORSIM, and Adobe Suite.</p>	
09/22-current	<p>Greenwell Springs The objective of the preliminary assessment was to evaluate the feasibility of converting the intersection of Greenwell Springs at Morgan Road, in East Baton Rouge Parish into a roundabout. Mr. Morgan coordinated to obtain the collection of 48-hour vehicular turning movement count data. Mr. Morgan reviewed the data and selected peak hours for analysis. He also used the data along with LADOTD historical traffic data to calculate D, K, and T factors and 2022/2042 ADTs for the study roadways. Mr. Morgan used SIDRA traffic analysis software to analyze the intersection as an unsignalized, signalized, and roundabout intersection. He reviewed the reported crashes from the LADOTD database near the intersection for the years 2019-2021 and developed crash rates for comparison to statewide averages.</p>		
03/22-09/22	<p>Hundred Oaks Broussard Bridges TCDP The objective of the Traffic Control Devices Plan (TCDP) was to provide adequate advanced notice and signage to drivers for the closure of two local roadway bridges in East Baton Rouge Parish. Mr. Morgan led the design of the TCDP for each bridge closure which incorporated local municipalities' standards, as well as the Manual on Uniform Traffic Control Devices (MUTCD) standards. Mr. Morgan used aerial photography and the Google Earth mapping program to designate placement of detour and advanced warning signage. He oversaw the creation of the plans in AutoCAD, a CAD-type software oriented to drawing and modeling. He used QA/QC to verify the plans before delivering electronic versions of preliminary plans to the client using Adobe PDF format.</p>		
07/22-current	<p>LA 3127 Widening This traffic study to analyze the impact of widening the LA 3127 corridor in St. James Parish, LA from LA 3213 to LA 20 to a four-lane divided highway is being conducted following the LADOTD Traffic Engineering Process and Report (TEPR) guidelines. Mr. Morgan conducted in-person site observations at study intersections during the critical peaks of traffic to identify queuing, circulation, and driving patterns, as well as any other factors, that impact traffic operations. He coordinated the data collection effort to obtain 7-day, 48-</p>		

	<p>hour and, turning movement counts as well as speed data on the study corridors. Mr. Morgan summarized the traffic data collected, the observations, existing study area conditions, and the projected growth rate for the area in Appendix A, Appendix B, and Chapter 1 format following the TEPR. These and Chapter 2 with Appendices C & D which summarized the Existing Safety Analysis and the Existing Conditions Capacity Analysis have been approved by LADOTD. Ongoing tasks include identifying potential improvements at the intersections of LA 3127, LA 3213 and at LA 20.</p>
10/22- current	<p>US 190 at LA 433 Mr. Morgan conducted in-person site observations at study intersections during the critical peaks of traffic which included identification of queuing, circulation, and driving patterns that could impact traffic operations in St. Tammany Parish. The report and submittals were in accordance with LADOTD's Traffic Engineering Process and Report (TEPR) guidelines. He performed existing and No Build analysis using SIDRA. Mr. Morgan is currently analyzing potential improvements for this Intersection Control Evaluation (ICE) which includes signalized and roundabout alternatives.</p>

SECTION 17



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AIR PRODUCTS

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G A S

HYDROGEN
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Pelican Point
Resort & Spa

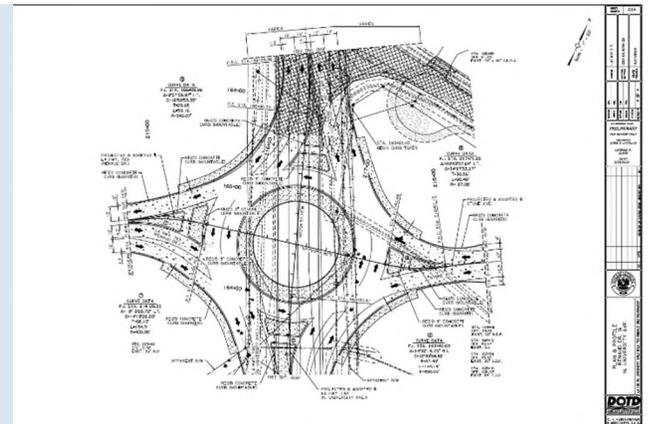
17. Firm Experience:			
Firm name	C. H. Fenstermaker & Associates L.L.C	Past Performance Evaluation Discipline(s)*	Road
Project name	LA 182 (Univ) @ LA 723 (Renaud) Roundabout	Firm responsibility (prime or sub?)	Prime
Project number	Contract No. 4400020291 SPN: H.012869	Owner's name	Louisiana Department of Transportation and Development
Project location	Lafayette Parish, LA	Owner's Project Manager	Ryan Richard, P.E.
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, (225) 379-1389, ryan.richard@la.gov		
Services commenced by this firm (mm/yy)	01/2017	Total consultant contract cost (\$1,000's)	\$386
Services completed by this firm (mm/yy)	06/2022	Cost of consultant services provided by this firm (\$1,000's)	\$256

Project Description The intersection of LA 182 (University Avenue) and LA 723 (Renaud Drive) is an existing two-way stop-controlled intersection in the City of Lafayette. University Avenue is a three-lane, asphalt roadway and is classified as a principal urban arterial south of Renaud Drive, whereas north of this intersection it is a minor urban arterial. Renaud Drive is classified as a major urban collector and is currently a two-lane asphalt roadway. Renaud Drive provides access to various residential homes and commercial properties, namely Dollar General and a multi-business shopping center within 1,000' of its intersection with University Avenue. Stone Avenue provides access to almost 80 residential homes as well as a church and Lafayette Christian Academy, a K-12 school. Due to the proximity of these intersections and the average daily traffic (3,338 vehicles per day for Renaud Dr. and 865 vehicles per day for Stone Avenue according to counts performed by Lafayette Consolidated Government in 2014), congestion has become pronounced. **Therefore, the goal of this project is to design a roundabout which realigns Renaud Drive and Stone Avenue to intersect with University Avenue.** This project will include roadway design, hydraulic analysis and design, and utility design. Fenstermaker was responsible for preparing and hosting the public meeting to update the project's 2005 NEPA Environmental Impact Statement (EIS), **designing all roadway and drainage, and coordinating all utility relocations within the corridor.**



Proposed roundabout design for LA 182 @ LA 723

30% preliminary plan sheet for roundabout (plan and profile)



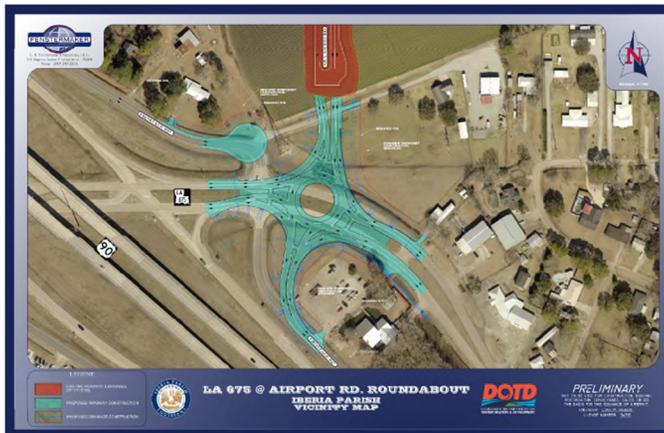
Key Personnel: Dax Douet, P.E. | Aimee Latiolais, P.E. | Nick Castille, P.E.

CHALLENGE: The roundabout intersection of University Avenue, Renaud Drive, and Stone Avenue will directly affect two unique landowners, as both Renaud Drive and Stone Avenue will require realignment through these land parcels. Due to this realignment, at least one commercial driveway and three residential driveways will need to be extended, with approximately two commercial and one additional residential driveway requiring assessment to ensure proper tie-in.

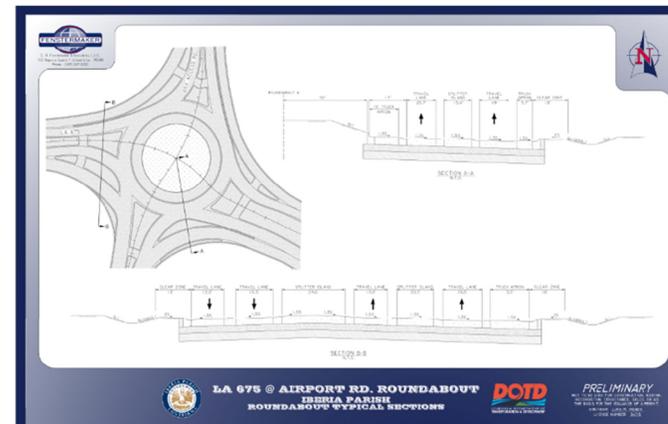
SOLUTION: This roundabout is anticipated to consist of two entry and exit lanes in both the northbound and southbound approaches of University Avenue. Renaud Drive will consist of two entry and one exit lane, with Stone Avenue containing one entry and exit lane. The roundabout will have two quadrants with a single circulatory lane and two quadrants with a left/thru and thru lane.

17. Firm Experience:				
Firm name	C. H. Fenstermaker & Associates L.L.C	Past Performance Evaluation Discipline(s)*	Road	
Project name	LA 675 Roundabout at ARA Access Roadway	Firm responsibility (prime or sub?)	Prime	
Project number	Not applicable	Owner's name	Iberia Parish Government	
Project location	Iberia Parish, LA	Owner's Project Manager	Larry Richard, Parish President	
Owner's address, phone, email	300 Iberia Street, Suite 400, New Iberia, LA, 70560, (337) 365-8246, mlarryrichard@iberiagov.net			
Services commenced by this firm (mm/yy)	01/2017	Total consultant contract cost (\$1,000's)	\$206	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$205	

Project Description Fenstermaker prepared construction plans and acquisition documents for the **LA 675 Roundabout** at Acadiana Airport Access Roadway in Iberia Parish. This roadway project will begin north of the intersection of LA 675 (Jefferson Island Road) and Acadiana Regional Access Road (ARA Access Road). The ARA Access Road will be extended to the south to connect to LA 675. The roundabout will be constructed at this connection and will consist of a single circulatory lane and single-entry lanes with dedicated right-turn lanes. Reconstruction of the US Frontage Road will also be completed.



LA 675 Vicinity Map



LA 675 Roundabout Typical Sections

Key Personnel: Dax Douet, P.E. | Dustin Guidry, P.E. | Luke Hebert, P.E., CFM | Jessica Pousson, P.E. | Steve Draughon, P.E.

CHALLENGE: Designing a roundabout without significantly impacting the **nearby utilities** and adjacent properties has been the largest challenge for this project. In addition to the typically anticipated utilities such as **pipelines, communication lines, and electrical distribution lines, an electrical transmission tower** is in the northwest corner of the roundabout's project limits. To relocate the tower and associated facilities, Entergy provided a cost estimate of approximately \$1.25 million.

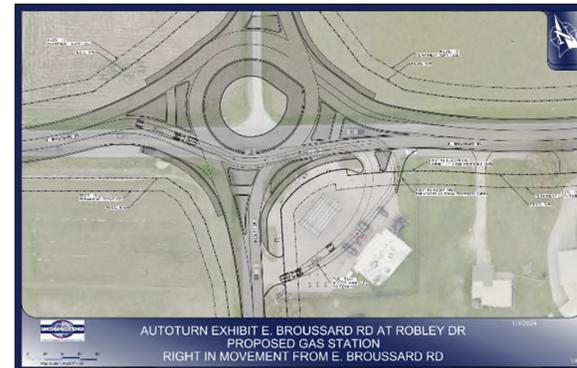
SOLUTION: Fenstermaker coordinated several meetings with Entergy, LA DOTD, and Iberia Parish Government to discuss the minimum design criteria required by all entities to reduce the impact to the transmission tower. By developing a unique grading plan and innovative drainage design, Fenstermaker was able to provide a design that satisfied all parties allowing the transmission tower to remain and mitigating the relocation expense for the Parish and State.

17. Firm Experience:			
Firm name	C. H. Fenstermaker & Associates L.L.C	Past Performance Evaluation Discipline(s)*	Road
Project name	Roundabout – E. Broussard Road at Robley Drive	Firm responsibility (prime or sub?)	Prime
Project number	Not applicable	Owner's name	Lafayette Consolidated Government
Project location	Lafayette Parish, LA	Owner's Project Manager	Warren Abadie, P.E.
Owner's address, phone, email	1515 E University Ave, Lafayette, LA 70501, (337) 291-8506, wabadie@lafayettela.gov		
Services commenced by this firm (mm/yy)	01/2022	Total consultant contract cost (\$1,000's)	\$196
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$196

Project Description This project involves the construction of a new concrete roundabout at the intersection of E. Broussard Road (LA Highway 733) and Robley Drive. The current intersection is congested and is challenging for drivers to make left turns. The overall goal of the roundabout project is to relieve traffic congestion and increase driver safety by reducing conflict points, promoting lower speeds, calming traffic, and decreasing wait times. Fenstermaker designed the modern multi-lane roundabout to help achieve these goals. The project included geometric design, typical section development, **conversion of open-ditch drainage to sub-surface drainage** with curbs and gutters, **sequencing of construction**, striping layout, and permanent traffic sign layout. The project involved significant right-of-way acquisition, utility easements, and construction servitudes. Fenstermaker assisted Lafayette Consolidated Government with right-of-way permissions and property acquisitions. Fenstermaker will coordinate the **adjustment and/or relocation of several utilities, including overhead electric, water, communication, and gas distribution. Fenstermaker will also provide construction administration and inspection services during the project's construction phase.** Fenstermaker is responsible for the project's surveying, right-of-way platting, engineering design, construction plan development, construction administration and inspection. In addition, Fenstermaker will design the waterline relocations on the project.



Project Layout Map



AutoTurn Exhibit

Key Personnel: Dax Douet, P.E. | Aimee Latiolais, P.E. | Chris Guilbeau, P.E. | Nick Castille, P.E. | Steve Draughon, P.E.

CHALLENGE: The proposed roundabout is located at an intersection that currently has an existing gas station. The proximity of this gas station to the intersection creates constructability concerns for the proposed roundabout.

SOLUTION: Fenstermaker investigated multiple alternatives for the proposed roundabout and ultimately chose to shift the roundabout away from the gas station and to construct a headwall to help mitigate the elevation differences between the proposed roundabout and existing gas station.

17. Firm Experience:			
Firm name	C. H. Fenstermaker & Associates L.L.C	Past Performance Evaluation Discipline(s)*	Road, Bridge
Project name	Kaliste Saloom Road Widening, Intersection Improvements, Bridge & CE&I (LA 3073 to LA 733)	Firm responsibility (prime or sub?)	Prime
Project number	Not applicable	Owner's name	Lafayette Consolidated Government
Project location	Lafayette Parish, LA	Owner's Project Manager	Mark LaVergne, P.E.
Owner's address, phone, email	1515 E University Ave, Lafayette, LA 70501, (337) 291-5642, mlavergne@lafayette.gov		
Services commenced by this firm (mm/yy)	10/2008	Total consultant contract cost (\$1,000's)	\$6,160
Services completed by this firm (mm/yy)	06/2023	Cost of consultant services provided by this firm (\$1,000's)	\$3,561

Project Description Kaliste Saloom Road is one of the six major urban arterials in the City of Lafayette and is in the highest growth rate sectors of Lafayette Parish. Lafayette Consolidated Government identified the Kaliste Saloom Road Widening project as a key infrastructure improvement project need to serve the Parish's travelling public. The \$35-million construction project was designed as a walkable urban thoroughfare with shared bicycle lanes and 8-foot-wide sidewalks in accordance with Complete Streets and Context Sensitive Solutions guidelines. The project has six major elements:



Kaliste Saloom Roundabout under construction

1. Widening of the existing two-lane road to a four-lane facility with a center continuous turn lane and including a subsurface drainage system
2. **Constructing a modern multilane roundabout** at the intersection of E. Broussard Road and the new Kaliste Saloom Roadway
3. **Constructing a new 345-foot girder span bridge** that crosses the Isaac Verot Coulee
4. Constructing approximately 2,600 linear feet of subsurface drainage outfalls to support the project's drainage needs
5. Constructing approximately 5,600 feet of 21-inch gravity sewer main to parallel the northern side of Kaliste Saloom from L. O. Peck Subdivision to Farrel Road
6. Modifying the existing Kaliste Saloom Road to a two-way roadway for commuters traveling along E. Broussard Road toward U.S. Highway 167

Fenstermaker was responsible for the project's surveying, right-of-way platting, engineering design, construction plan development, and CE&I. In addition, **Fenstermaker designed all water and sewer utility relocations** as well as drainage outfalls presented as stand-alone construction plans and construction efforts. Huval and Associates

Key Personnel: Dax Douet, P.E. | Aimee Latiolais, P.E. | Anna Doucet, P.E. | Dustin Guidry, P.E. | Jeanne Hornsby, M.S., P.E., CFM | Josh Laborde, P.E. | Luke Hebert, P.E., CFM | Nick Castille, P.E. | Steve Draughon, P.E.

CHALLENGE: The 1.7-mile roadway is in a densely populated and developed corridor with a **multitude of utilities**, both privately and city owned, that provide connectivity to a large portion of southern Lafayette Parish and would be greatly impacted by the roadway widening project.

SOLUTION: Fenstermaker suggested and, subsequently, performed a line and grade study which compared alternatives (widening symmetrically, asymmetrically, and spot location improvements) and ultimately resulted in an asymmetrical alignment. **Fenstermaker also coordinated with the utility companies to relocate necessary utilities and to remedy conflicts** via custom conflict boxes and utility offsets designed by the project team.

Firm name	Huval & Associates, Inc.		Past Performance Evaluation Discipline(s)*	Road
Project name	I-10 Widening Baton Rouge, CMAR Design Services		Firm responsibility (prime or sub?)	Prime
Project number	H.004100	Owner's name	LADOTD	
Project location	Baton Rouge, Louisiana		Owner's Project Manager	Nicholas Olivier, P.E.
Owner's address, phone, email	1201 Capitol Access Rd., Baton Rouge, LA 70804, (225) 379-1133, nick.olivier@la.gov			
Services commenced by this firm (mm/yy)	2020	Total consultant contract cost (\$1,000's)		\$20,796
Services completed by this firm (mm/yy)	Present	Cost of consultant services provided by this firm (\$1,000's)		\$6,390

HUVAL is the Prime Consultant and Lead Designer for the design phase of the I-10 Widening and Reconstruction project through the heart of Baton Rouge. The project will provide detailed design and plan preparation for the urban freeway and arterial and neighborhood feeder streets. The first part of this project, RCP Plans, Huval prepared the geometric layout and R/W taking lines for the entire corridor.

The RCP plans included external agency stakeholder meetings such as with EBR, geometric layout of the mainline I-10 and ramp interchanges, roundabouts, intersections and other project features such as multi-use path throughout the corridor. Also included is preliminary bridge design of I-10 mainline and cross-street bridges. The project includes plan/profile sheets for roadways and General Plan and Elevation (GPE) sheets for the bridges used in preparation of R/W maps and R/W acquisition by others.

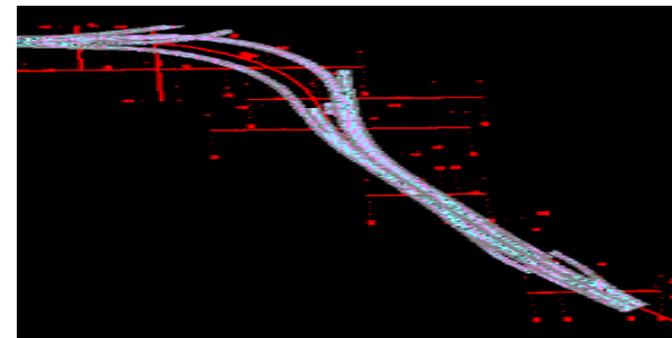
HUVAL was also responsible to assist the LADOTD with project segmentation (to determine useable construction segments and MOT) and development of formal documents for Project Management Plan, Project Implementation Plan, Project Financial Plan, and Project Risk Matrix. These documents will provide the blueprint to help guide the project to completion over multi-year implementation period. Public information and outreach will be conducted continuously throughout the design phase.

HUVAL, with the cooperation of Subconsultants, DOTD and CMAR Contractor, is designing both the roadway and bridge for the stages of construction and final layout of the first phase of the project extending from the I-10 EB Mainline Ramp past Acadian Thruway. HUVAL's direct roadway design responsibilities for mainline I-10 include typical sections, geometric layout, drainage design, cross-sections, sequence of construction, and temporary traffic layout and signing. The project is anticipated to contain 5 major stages that will be constructed over a 4 -5-year period. As the Prime Consultant, HUVAL is coordinating all aspects of this complex project with our Subconsultants and Stakeholders.

HUVAL is performing 100% of this work in the State of Louisiana.

Key Project Members:

Bob Schmidt, Project Manager
Thomas Gattle, Lead Design Engineer (Road)
Nick Helming, Design Engineer (Road)
Colby Guidry, Lead Design Engineer (Bridge)
Reid Romero, Design Engineer (Bridge)
Mathew Hebert, Design Engineer (Bridge)
Justin Peltier, Lead Design Engineer (Bridge)



Firm name	Huval & Associates, Inc.		Past Performance Evaluation Discipline(s)*	Bridge
Project name	IDIQ Retainer Contract for Bridge Preservation Statewide		Firm responsibility (prime or sub?)	Prime
Project number	4400017262	Owner's name	LADOTD	
Project location	Louisiana Statewide		Owner's Project Manager	Andrew Windmann, P.E.
Owner's address, phone, email	1201 Capitol Access Rd., Baton Rouge, LA 70804-9245, (225)379-1074, Andrew.windmann@la.gov			
Services commenced by this firm (mm/yy)	05/2020	Total consultant contract cost (\$1,000's)	\$ 5,000	
Services completed by this firm (mm/yy)	On- Going	Cost of consultant services provided by this firm (\$1,000's)	\$2,194	

As the Prime, HUVAL is responsible for Preliminary and Final Plans, Surveying Services, Bridge/Structural Inspection and Evaluation, Design Peer Review, Load Rating of Bridges, and Construction Services. Projects performed using LRFD and LRFR design. Completed and On-going Task Orders include:

LA 454 over Wiggins Bayou Bridge and Roadway Replacement, T.O. H.012545.5: Preparing 90% and 100% preliminary plans and 60%, 90%, and 100% Final Bridge Design and Roadway Design Plans with estimated construction cost. Environmental and feasibility studies to realign the channel to mitigate future embankment erosion. The new structure will consist of LG 36 girder spans supported by concrete pile bents. Sub-consultants will perform geotechnical and hydrology surveys.

I-20 Bridge Evaluations and Median Barriers Design – US 165 East of Garret Road, T.O. H.014646.5 - Performing load ratings using the LRFR method, adhering to the latest DOTD BDEM. Repair and rehabilitation plans will be provided from the analysis while taking into account the future widening of I-20 and the effects of raising the existing structure to provide adequate vertical clearance for I-20. This will be determined in the bridge study which will look at the effects to the existing bridges, box culverts, roadway geometry, and proposed vertical clearance (16'6"). Submittals consist of Final Roadway, Bridge and Median Barrier Plans.

I-10 over I-49 Emergency Repairs, T.O. H.015412.5: Huval provided emergency design engineering for an emergency repair of the I-10 overpass over I-49. Performed detailed inspection of the damaged structure and designed a replacement section of three concrete girders and deck.

US 90-W: US 90 over Bayou Ramos Repairs, T.O. H.015114.5 : Huval is tasked with providing design engineering services for permanent bridge repairs for the LA 182 Bridge over Bayou Ramos. This included preparing a summary of the damage assessment, developing repair concepts, and creating detailed bridge repair plans. Huval also identified necessary traffic control measures, providing specifications, quantities, and an opinion of probable construction costs, as well as preparing an as-designed load rating report. The project required the submission of 60%, 95%, and 100% Final Repair Plans, with the 95% and 100% submittals including cost estimates and detailed specifications.

Team Members to be Utilized on Retainer:

David S. Huval, Sr., Supervisor Engineer,
Principal

Thomas Gattle, Project Manager/Lead
Design

Colby Guidry, Lead Bridge Design,
Ratings, Bridge Inspections

Justin Peltier, Bridge Design, Inspections

Lee Hupperich, Movable Bridge Design,
Construction Support

Lee Hupperich, Movable Bridge Design

Reid Romero, Bridge Design, Ratings

Huval & Associates, Inc. is performing **100%** of the work for this project in the State of Louisiana.



Firm name	Huval & Associates, Inc.		Past Performance Evaluation Discipline(s)*	Bridge
Project name	Jimmie Davis Bridge (LA 511- Design-Build Project)		Firm responsibility (prime or sub?)	Prime
Project number	H.001779	Owner's name	LADOTD	
Project location	Shreveport, Louisiana (Bossier / Caddo Parish)		Owner's Project Manager	Catherine Mastin, PE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70804, (225)379-1652 , catherine.mastin@la.gov			
Services commenced by this firm (mm/yy)	03/23	Total consultant contract cost (\$1,000's)		\$ 36,200
Services completed by this firm (mm/yy)	On-Going	Cost of consultant services provided by this firm (\$1,000's)		\$ 5,640

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

* If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.

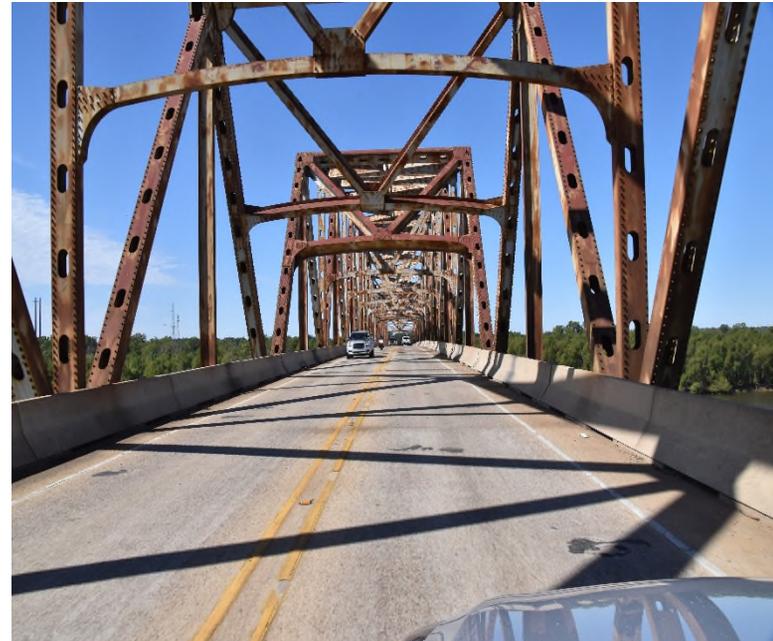
Huval and Associates, along with James Construction as the Contractor, are acting as the main design engineers for the project to construct the new four lane bridge across the Red River in Bossier / Caddo Parish. The project includes the reconstruction of nearly two miles of LA 511 into a modern, four lane median divided highway. The project encompasses the creation of full access interchange connections at two key junctions: Arthur Ray Teague Parkway and Clyde Fant Memorial Parkway. These interchanges will seamlessly integrate with upgraded LA 511. The initiative also includes the transformation of the existing Jimmie Davis Bridge into a Linear Park. The repurposed structure will be a vibrant public space, featuring new multi-use paths for pedestrians and cyclists. Elevated ramps will connect these paths, providing seamless access to the heart of the Linear Park.



Key Project Members:

David S. Huval, Sr., Principal
Thomas Gattle, Project Manager – Design Manager
Justin Peltier, Bridge Design Engineer
Reid Romero, Bridge Design Engineer
Nick Helminger, Roadway Design Engineer
Colby Guidry, Bridge Design Q.C.

HUVAL performed 100% of the work for this project in Louisiana.



Firm name	Urban Systems, Inc		Past Performance Evaluation Category(ies)*	Traffic
Project name	US 90 (I-49 South) Albertson's Parkway to Ambassador Caffery Design / Build		Firm responsibility (prime or sub?)	Sub
Project number	SP H.010620		Owner's name	LADOTD
Project location	Lafayette Parish, LA		Owner's Project Manager	Peggy Jo Paine, P.E.
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, Louisiana, 70802, 225-379-1065, peggy.paine@la.gov			
Services commenced by this firm (mm/yy)	01/14	Total consultant contract cost (\$1,000's)	n/a	
Services completed by this firm (mm/yy)	08/19	Cost of consultant services provided by this firm (\$1,000's)	\$232.6K	

Urban Systems, Inc. was part of the Design/Build team under the engineering task for this project. The project included upgrading a portion of US 90 from a four-lane facility to a six-lane facility with controlled access. The project also included providing a system of frontage roads to provide connectivity. Urban Systems was responsible for a variety of tasks including developing a signage plan, traffic signal plans, temporary traffic control plans (TCDP), traffic analysis and a Level 3 Traffic Management Plan (TMP) based on **LADOTD EDSM VI.1.1.8**.

Signage and Traffic Signal Plans

As part of the definitive design portion of this project, USI developed signage and traffic signal plans based on LADOTD requirements. The traffic signal plans were also developed in the latest LADOTD TSI format. These plans were updated during the construction phase of the project as unforeseen issues arose. USI worked closely with the contractor, team members and local entities throughout the construction phase.



Temporary Traffic Control Plans (TCDP)

Temporary traffic control plans were developed for the various phases of construction. These plans also included temporary traffic signals for some of the phases. These plans were developed to meet the current LADOTD standards. Additional traffic control plans were developed during the construction phase of the project as required by the contractor. Some of these plans involved complicated detours and devices to maintain access while completing construction.

Traffic Study and TMP

Traffic analysis was conducted to determine the impact construction and the proposed configuration would have on traffic conditions. Traffic volumes were re-routed for each phase on construction and capacity analysis was conducted for each scenario.

Firm Members
Involved:
N. Stewart
A. Michel
M. Morgan

A safety analysis was prepared for the study US 90 roadway segment, LA 182-roadway segment, and the US 90 at Albertsons Parkway/St. Nazaire Road intersection based on the guidelines set forth by LADOTD in *Part III: Guidelines for Conducting a Safety Analysis for Transportation Management Plans and Other Work Zone Activities, May 2013*. The purpose of this analysis was to assess the safety impacts of the construction activities within the project area and mitigate the impact on the state highway. Mitigation strategies were also identified to minimize work zone impacts for incident management to increase construction zone safety.

Firm name	Urban Systems, Inc		Past Performance Evaluation Category(ies)*	Traffic
Project name	MacArthur Interchange Completion		Firm responsibility (prime or sub?)	Sub
Project number	JP 2001-004-RB		Owner's name	Jefferson Parish
Project location	Harvey, Jefferson Parish, LA		Owner's Project Manager	Mr. Mark Drewes
Owner's address, phone, email	1221 Elmwood Blvd., Ste 1002 Jefferson, LA 70123, mdrewes@jeffparish.net , 504.736.6607			
Services commenced by this firm (mm/yy)	09/10	Total consultant contract cost (\$1,000's)	\$93.3K	
Services completed by this firm (mm/yy)	08/11	Cost of consultant services provided by this firm (\$1,000's)	unknown	

Traffic Study

Urban Systems prepared a technical report which evaluated the existing operating conditions of the lower Westbank Expressway and analyzed the affect of modifications associated with the Mac Arthur Interchange project in Harvey, LA.

Traffic Control Devices Plans

Traffic Control Plans were developed for Phase 1 – Stages 1 through 4 and Phase 2 - Stages 1 and 2. The plans included the placement of traffic control devices and striping to facilitate traffic safely and efficiently through the traffic control zone. This included lane closures on both the Lower and Elevated West Bank Expressway. Signal Modifications were also included for the three signalized intersections within the study area.

Traffic Signals

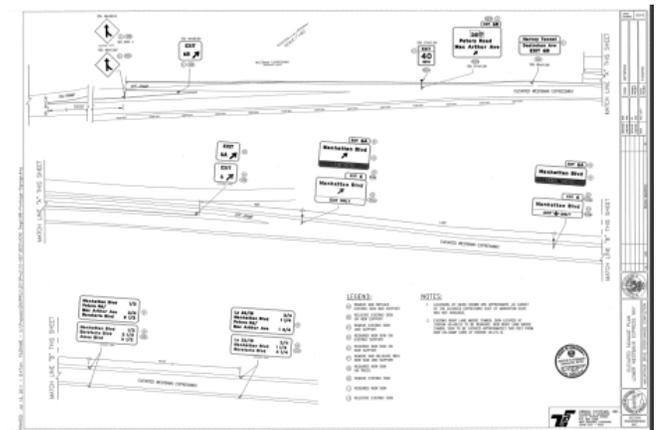
New traffic signals were designed for both Maplewood and Brown at Lower Westbank Expressway. A two hundred foot median separated the east and westbound approaches of both intersections. The Maplewood Intersection signal was designed to operate with phasing to accommodate the new off ramp that tied into the Lower Westbank expressway at the westbound approach.

Permanent Striping

Striping plans were developed for the Lower and Elevated West Bank Expressway in accordance with DOTD specifications and Standard Details. The striping plans included pavement markings at intersections and on roadways with site specific details for the on and off ramp gore areas.

Permanent Signage

Permanent signage plans were prepared for the Westbank Expressway in accordance with DOTD specifications and Standard Details using the latest version of GuidSIGN. Guide Signs were designed to advise motorist of the new Mac Arthur Interchange. The design of each sign included size, color, sign supports and sign placement .



<p>Firm Members Involved: N. Stewart A. Michel K. Pham</p>
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Firm name	Urban Systems, Inc		Past Performance Evaluation Category(ies)*	Traffic
Project name	US 190 at Northshore and Camp Villere		Firm responsibility (prime or sub?)	Sub
Project number	H.012812	Owner's name	LADOTD	
Project location	St Tammany Parish, LA	Owner's Project Manager	Jacob Fusilier	
Owner's address, phone, email	Jacob.fusilier@la.gov , 225-379-1185, 1201 Capitol Access Road, Baton Rouge, LA, 70802			
Services commenced by this firm (mm/yy)	02/20	Total consultant contract cost (\$1,000's)	\$55K	
Services completed by this firm (mm/yy)	02/23	Cost of consultant services provided by this firm (\$1,000's)	unknown	

Urban Systems provided design services for the construction of two roundabouts on US 190 in St Tammany Parish, LA. Tasks included preparation of striping and signage plans for each roundabout location, and included temporary signalization design and a Level 2 transportation management plan (TMP).

Once base drawings of the geometric layouts were provided, striping and signage plans were designed for permanent conditions in accordance with LADOTD standard details.

Urban Systems reviewed the temporary Traffic Control Devices Plans (TCDP) and provided detailed comments to ensure constructability and compliant with the latest edition of the both the Manual of Uniform traffic Control Devices and the LADOTD Temporary Traffic Control (TTC) Details

The sequence of construction was developed through a number of meetings and concept level plan reviews. For the purpose of this proposal, we estimated that up to 2 temporary signals will be required. AM and PM peak hour analysis were conducted using HCS software for the temporary signalization to develop phasing and timing. The analysis was based on the volumes from the provided US 190 Roundabout Study with re-routing taken into consideration. This analysis was included as part of the Transportation Management Plan.

The Transportation Management Plan (TMP) was developed in coordination with LADOTD, St. Tammany Parish, FHWA and other relevant agencies. The Level 2 TMP was prepared in accordance with EDSM No. VI.1.1.8.

N. Stewart
K. Pham

100% Performed in
Louisiana

SECTION 18



18. Approach and Methodology:

Project Understanding

The intersection of LA 44 and Pelican Point Parkway is an existing three-legged signalized intersection found in Ascension Parish. LA 44 South is classified as a major urban collector. Pelican Point Pkwy is classified as a local suburban roadway and is currently a two-lane signalized asphalt roadway with landscaped median. LA 44 is a two-lane asphalt roadway in the project area that provides access to several residents and encompasses a bridge crossing over Panama Canal. The bridge must either



be widened or completely replaced, to accommodate the proposed widening. This section of roadway provides access to major subdivisions as well as The Links and The Lakes championship golf courses. The average daily traffic is currently more than 15,000 vehicles per day for this area of LA 44 and that number is predicted to increase to over 24,000 by the year 2040. Therefore, **the goal of this project is to widen from two-lane to four-lane and design a roundabout which will mitigate congestion and improve safety at the intersection of Pelican Point**

Pkwy and LA 44. This project will include roadway design, hydraulic analysis and design, and bridge design.

The roundabout at LA 44 and Pelican Point Pkwy is part of an initiative by DOTD to mitigate current and future traffic impacts between Interstate 10 and LA 22 by transitioning from the existing stop and signal-controlled intersections to roundabouts. This area already having the major subdivisions of Pelican Point, River Ridge and Pelican Crossing is also expected to experience growth with the development of two new approximately 900 and 800 home subdivisions. **Having consulted with LADOTD for many years on various roadway projects, Fenstermaker is well versed in the design process and requirements for this project.** Fenstermaker understands the challenges such as the multiple utility conflicts, drainage aspects, road design, FEMA floodplain mitigation, and the complexities of constructing a roundabout on a high visible project and highly traveled corridor. **With Fenstermaker's experience on similar roundabout design projects coupled with our local knowledge, the project team will ensure LADOTD a quality product that is completed efficiently and in budget.**



Project Approach



Bridge Design

Huval will conduct site visits which will enable production of an initial bridge evaluation report that will outline the current structure's safety, functionality, and serviceability. In this evaluation report, Huval will assess the current bridge's corrosion protection, ease of inspection, and any prior

maintenance that took place. On-site inspections will also include a meticulous breakdown of all major bridge components and elements. A bridge rating report will also be generated and presented in accordance with the latest edition of the AASHTO Manual for Bridge Evaluation, LADOTD Policies and Guidelines for Bridge ratings and evaluation, and bridge design technical memoranda. Whether it is chosen to widen the existing



structure or install a new bridge altogether, the design criteria will remain the same. Huval will utilize AASHTO LRFD Bridge Design Specifications and LADOTD Bridge Design Manuals in designing the new segment. A FEMA No Rise will also need to be completed.



Utilities Identification and Matrix

Fenstermaker is familiar with the abundance of utilities within this project area and plans to develop a utility matrix that identifies utility providers and conflicts along the route. Having inspected the site, Fenstermaker is aware of potential utility conflicts including a pipeline right-of-way directly south of Panama Canal. Through the use of **Louisiana One Call**, the team is aware of several utility providers along the route with possible conflicts: AT&T, City of Gonzales, Ascension Parish, Atmos, Cox Communications. Through a **site inspection**, it was observed that a lot of utilities are located off of the roadway to the west. Also, of note is the hydrogen, nitrogen, and oxygen gas pipelines that crosses LA 44 approximately 1,000' north of the LA 44 and Pelican Point intersection.



Roundabout Design

A roundabout intersection of Pelican Point and LA 44 South will directly affect two unique landowners and the entrance to Pelican Point's subdivision. Due to this realignment, at least two subdivision entrances and two residential driveways will require assessment to ensure proper access throughout the duration of the project. In accordance with the Roundabout Justification Report findings, **this roundabout is anticipated to consist of two entry and exit lanes in both the northbound and southbound approaches of LA 44. Pelican Point Parkway will consist of one entry and exit lane, with Pelican Crossing Drive containing one entry and exit lane.** The roundabout will have two quadrants with a single circulatory lane and two quadrants with a left/thru and thru lane. **Fenstermaker is well-versed in complex roundabout design, with over 20 roundabouts designed by Fenstermaker staff and in various stages of construction or completion.** These include both single and multi-lane roundabout designs for various entities within Louisiana, two of these roundabouts are located in Ascension Parish. Fenstermaker will use previous experiences and the **LADOTD Roadway Design Manual** to design and create a quality plan set, to include proper splitter island lengths, curve radii, and lane widths as detailed in **Section 6.9, Roundabout Design.**





Drainage Design



The existing drainage system along LA 44 is largely comprised of open ditches to the east and subsurface features to the west. The subsurface components of the drainage system are located along the commercial development and Pelican Park subdivision. **The system primarily drains into the Panama Canal, which is a tributary within the Bayou Conway watershed. The intersection is located within the FEMA designated Zone X with part of the footprint of the roundabout touching Zone AE;** however, this Zone AE is part of an existing LOMR. Fenstermaker has extensive experience in dealing with FEMA as well as designing roadways to meet the “No Net Fill” ordinances. As part of this roundabout project, Fenstermaker will assess the existing drainage system to determine areas where the drainage would need to be upgraded and to ensure a proper hydraulic analysis is done for the bridgework portion of the project. In addition, Fenstermaker will ensure that any increased runoff resulting from construction would be sufficiently managed by the existing system and any proposed elements. The surrounding drainage system will be analyzed following the **2011**

LADOTD Hydraulics Manual. Fenstermaker plans to utilize the **LADOTD HYDRWIN software** to calculate flows and drainage infrastructure properties. Another drainage component of the project would be to assess the two ponds at the entrance of Pelican Point to see what drainage function, if any, they are providing and revise the design as necessary.

Sequencing of Construction

Sequencing during construction will be an important design consideration as the roundabout will be constructed on a highly traveled collector surrounded by several residents. **Fenstermaker will produce a recommended sequencing plan that considers construction efficiency and costs, along with short term effects to drainage, utilities, and public safety while utilizing the LADOTD Temporary Traffic Control Standard Plans.** Special care will need to be given to the single-home resident that is directly across from Pelican Point Parkway as their access will need to be maintained at all times. Portions of the roundabout which are not designed to be on top of or directly adjacent to existing roadways should be constructed first. Small temporary diversion roads (temporary asphalt) will be required to allow for two-directional traffic during construction and will include an adequate typical section, width, and signage to accommodate traffic. The design will consider temporary grade changes of sequencing and will maintain commercial and residential access. The impact to the motoring public will be minimized and temporary signals designed, if needed.



20+ Roundabouts
Designed and Constructed



20+ Roundabouts
Stage 0 Feasibility Studies

Project Considerations

Fenstermaker has identified challenges presented in this project, all of which have identified considerations for developing solutions which align with the goals of LADOTD and the purpose of this project. Team members from Fenstermaker have **physically walked the corridor and observed the traffic congestion as well as the numerous utilities that are present and observed the drainage in the area.** This project will need to incorporate potentially re-designing the existing open ditch system on the east side of LA 44 and adjustments to existing utilities to be placed outside of the circulating lanes. Effective public outreach and documentation will be integral components of this project to assure a solid foundation for the progression.

Project Schedule and Commitment of Resources



The Fenstermaker Team has **consulted with LADOTD for numerous years** and understands the department's **plan development process**. Fenstermaker has engineering resources that are uniquely knowledgeable about the complexities of roundabout design and have prepared numerous construction plans for LADOTD in the past. Equipped with this knowledge, Fenstermaker has prepared the below sample schedule for this project. This schedule identifies major milestones, deliverables, review periods, and tasks necessary to complete the project plans. Fenstermaker's history with both design and plan production of roundabouts affords us the opportunity to know and understand the resources it takes to design and produce plans for this partial multi-lane roundabout. **Fenstermaker is committing 11 staff members to this project, in both full-time and part-time roles depending on the schedule, milestones, and any unexpected design issues.** Fenstermaker



is utilizing Dax Douet, P.E. as the **Lead Technical Manager due to his extensive resume of over 26 years** and his knowledge in both roadway design and public outreach and his history in successfully leading DOTD projects. This project also has a high visibility to major subdivisions to which Mr. Douet engaged in several public meetings with to provide ongoing project updates. **Aimee Latiolais will be serving as the Project Manager and Lead Roadway Designer with 10 years of experience.** Mrs. Latiolais has successfully completed multiple projects where she served concurrently as the Project Manager and Lead Roadway Designer, including DOTD project H.011235 for Fenstermaker's portion of work as a subconsultant and with her most recent project being the Kaliste Saloom Roadway Widening project which included the design and construction of a partial multi-lane roundabout in accordance with LADOTD standards. Dax and Aimee have both designed roundabouts in Ascension Parish. Their intimate knowledge of the Parish and LADOTD requirements will ensure a high-quality product.

Tasks	Project Schedule															
	Year 1												Year 2			
	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Month 13	Month 14	Month 15	Month 16
Data Collection																
Gather Existing Site Data																
Study Existing Site Data																
Preliminary Plans																
60% Plans																
LA DOTD Review																
Utility Conflict Matrix																
90% Plans (Plan-in-Hand)																
LADOTD Review																
100% Plans																
LADOTD Review																
Final Plans																
60% Plans																
LA DOTD Review																
95% Plans (Advanced Check Prints)																
LADOTD Review																
Final Plans																

SECTIONS 19 - 23



19. Workload:

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Past Performance Evaluation Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
 C. H. Fenstermaker & Associates, L.L.C.	Road	Contract No. 4400020291 State Project No. H.012869	LA 182 / Renaud Roundabout	\$185,356
		Contract No. 4400005673 State Project No. H.011235 F.A.P. No. H011235	I-49 South @ Verot School Road US 90	\$1,075
	Bridge	Contract No. 4400025023 State Project No. H.015513	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Elenor Road Over Coulee	\$113,000
		Contract No. 4400025023 State Project No. H.015335	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Puma Road Over Coulee	\$191,500
		Contract No. 4400025023 State Project No. H.015516	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Beiber Road Over Nezpique Bayou	\$118,250
		Contract No. 4400025023 State Project No. H.015512	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Mullins Road Over Tate Bayou	\$132,400
		Contract No. 4400025023 State Project No. H.015511	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 E. Martial Ave Over Coulee	\$90,700
		Contract No. 4400025023 State Project No. H.015515	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Andover Road Over Indian Bayou Lateral	\$179,750
		Contract No. 4400025023 State Project No. H.015514	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Sarah Dee PKWY. Over Coulee	\$187,250
		Contract No. 4400025023 State Project No. H.015505	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Solid Wastewater Road Over Bayou Boeuf	\$116,700
		Contract No. 4400025023 State Project No. H.015510	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03	\$188,250

 C. H. Fenstermaker & Associates, L.L.C.			Phillip Street Over Drainage Bayou	
		Contract No. 4400025023 State Project No. H.015509	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Huval Street Over True Canal	\$180,250
		Contract No. 4400025023 State Project No. H.015508	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Adam Guidry Road Over Coulee	\$192,500
		Contract No. 4400025023 State Project No. H.015507	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Minos Road Over Coulee	\$188,750
		Contract No. 4400025023 State Project No. H.015506	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Aristide Road Over Coulee	\$176,300
		Contract No. 4400025023 State Project No. H.015517	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Guegnon Street Over Youngs South Coulee	\$195,000
Huval & Associates, Inc.  <small>PLANNING DESIGN CONSTRUCTION MANAGEMENT</small>	Bridge	Co. #:4400005673 S.P. H. 011235	I-49 South @ Verot School Road Lafayette Parish – Design Phase Supp. #1&2	\$233,403
		Co. #:4400010428 S.P. H.004774.5	Kansas Lane-Garrett Road Connector – Supp #1	\$30,564
		Co. #: Not issued S.P. H.004791	LA 23: Belle Chasse Bridge and Tunnel (HBI)	\$609,542
		Co. #:4400017421 S.P. H.001352.5	Comite Diversion Bridge at LA 67 – Construction Services	\$ 91,712
		Co. #:4400017421 S.P. H.002273.5	Comite Diversion Bridge at LA 19 & LA 19 Railroad – Const. Services	
		Co. #:4400018646 S.P. H.004100	I-10 CMAR – Segment 1 Design	\$2,043,445
		Co. #:440017262 S.P.H.012545.5	LA454: Wiggins Bayou Bridge	\$149,934
		Co. #:4400017262 S.P.H.014646.5	I-20: US 165 East of Garret Road	\$64,401
		Co. #:4400017262 S.P.H.014052.5	LA 151: Construction Services	\$41,868
		Co. #:4400017262 S.P.H.002868.5	I-49 South: Ambassador Caffery / US 90 Interchange	\$5,248
		Co. #:4400017262 S.P.H.002868.6	I-49 South: Ambassador Caffery Interchange	\$25,135
		Co. #:4400017262	I-20: UPRR Overpass	\$484,570

		S.P.H.012027.5		
		Co. #:4400017262 S.P.H.015114.5	US 90 Over Bayou Ramos	\$4,939
		Co. #. Not Assigned S.P.H. 001779	Jimmie Davis Bridge (LA511 – Design Build Project)	\$3,942,000
		Co.#. 4400023923 S.P.H. 013821.5	LA 6: Youngs Bayou	\$71,256
		Co.#. 4400023923 S.P.H. 004774.5	Nutland Road Embankment	\$23,610
		Co.#. 4400017262 S.P.H. 014747.5	Southern University Ravine Mitigation	\$282,386
Urban Systems, Inc. 	Traffic	No. 440005142 H.011309.5	Mac Arthur Final Design	\$30,687
		No. PSLC-STJ-Supp-2 H.004891	Reserve to I-10	\$1,882
		No.4400022581 H.011221.5	I-10: NO CBD 3 (Poydras-Louisa)	\$100,364
		No.4400024185 H.015424.5	LA 67 Plank Road over US 61 (Airline Highway) TMP	\$2,914

20. Certifications/Licenses:

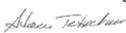
If the advertisement requires submission of licenses and/or certificates, include them here. **Otherwise, leave this section blank.**

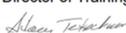
Dax Douet, P.E.

		LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com
Mr. Dax Anthony Douet		
License/Certificate Type - Number	Expiration Date	
PE.0030170	09/30/2024	
Status: Active		

Aimee Latiolais, P.E.

		LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com
Mrs. Aimee D. Latiolais		
License/Certificate Type - Number	Expiration Date	
PE.0042932	03/31/2025	
Status: Active		

	
PROOF OF TRAINING	
THIS CERTIFICATE HEREBY RECOGNIZES THAT	
Dax Douet has attended Traffic Control Supervisor Refresher-LA State Specific Training Course	
4/5/2021 to 4/5/2025 Training Valid Through	 Director of Training
Baton Rouge, LA Location	 President, CEO
<small>ATSSA provides training and certification but neither constitutes employment by ATSSA.</small>	
 American Traffic Safety Services Association ATSSA.com	

	
PROOF OF TRAINING	
THIS CERTIFICATE HEREBY RECOGNIZES THAT	
Aimee Latiolais has attended Traffic Control Supervisor Refresher-LA State Specific Training Course	
9/23/2022 to 9/23/2026 Training Valid Through	 Director of Training
Lafayette, LA Location	 President, CEO
<small>ATSSA provides training and certification but neither constitutes employment by ATSSA.</small>	
 American Traffic Safety Services Association ATSSA.com	

Anna Doucet, P.E.



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

Ms. Anna Wyle Doucet

License/Certificate Type - Number	Expiration Date
PE.0043469	09/30/2025
Status: Active	



PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT

Anna Doucet
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

9/23/2022 to 9/23/2026
Training Valid Through

Lafayette, LA
Location

Ranga Silt
Director of Training

Shawn Terhune
President, CEO

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Dustin Guidry, P.E.



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Mr. Dustin Kyle Guidry

License/Certificate Type - Number	Expiration Date
PE.0048010	09/30/2025
Status: Active	



PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT

Dustin Guidry
has attended
Louisiana Traffic Control Supervisor Refresher
Training Course

11/10/2023 to 11/10/2027
Training Valid Through

Baton Rouge, LA
Location

Donna H. Clark
Vice President of Education and Technical Services

Shawn Terhune
President, CEO

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Jessica Pousson, P.E.



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(LPELS)
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Mrs. Jessica C. T. Pousson

License/Certificate Type - Number

Expiration Date

PE.0043716

03/31/2024

Status: **Active**



PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Jessica Pousson

has attended

Louisiana Traffic Control Supervisor Refresher

Training Course

10/16/2023 to 10/16/2027
Training Valid Through

Donna M. Clark
Vice President of Education and Technical Services

Location

Shawn T. Johnson
President, CEO

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American Traffic Safety Services Association ATSSA.com



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ENGINEERING & LAND SURVEYING BOARD
(LAPELS)

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Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Joshua Landon LaBorde

License/Certificate Type - Number

PE.0046548

Expiration Date

09/30/2024

Status: **Active**



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ENGINEERING & LAND SURVEYING BOARD
(LAPELS)

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

Mr. Christopher Daniel Guilbeau

License/Certificate Type - Number

PE.0030534

Expiration Date

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

Mrs. Jeanne Arceneaux Hornsby

License/Certificate Type - Number

PE.0036717

Expiration Date

03/31/2024

Status: **Active**



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ENGINEERING & LAND SURVEYING BOARD
(LAPELS)

9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
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www.lapels.com

Mr. Luke Martin Hebert

License/Certificate Type - Number

PE.0034715

Expiration Date

09/30/2025

Status: **Active**



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(LAPELS)

9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
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Mr. Nicholas Patrick Castille

License/Certificate Type - Number

PE.0048009

Expiration Date

09/30/2025

Status: **Active**



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ENGINEERING & LAND SURVEYING BOARD
(LAPELS)

9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
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Mr. Steven Ralph Draughon

License/Certificate Type - Number

PE.0024623

Expiration Date

09/30/2024

Status: **Active**

20. Certifications/Licenses:

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

Colby Guidry



PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT

Colby J Guidry
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

9/23/2022 to 9/23/2026
Training Valid Through

Lafayette, LA
Location

Ronja Smith
Director of Training

Shawn Fehseker
President, CEO

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National Highway Institute
Certificate of Training
COLBY GUIDRY



has participated in
FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by
LA DOTD/LTRC

Date: January 21-23, 2020 Hours of Instruction: 18
Location: Baton Rouge, LA

William M. Smith
Instructor

Adolfo M. ...
Instructor

Allison H. Landry
Local Coordinator

Michael H. Davis
Michael Davis, P.E.
Director, National Highway Institute



National Highway Institute
Certificate of Training



Colby Guidry

has participated in
FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by
Office of State Aid Road Construction

Date: April 21-23, 2015
Location: Jackson, MS

Hours of Instruction: 18

[Signature]
Instructor

[Signature]
Instructor

Mari Allbritton
Local Coordinator

Valerie Briggs
Valerie Briggs, Director
National Highway Institute



National Highway Institute
Certificate of Training



Colby Guidry

has participated in
Safety Inspection In-Service Bridges

hosted by
ALABAMA DEPARTMENT OF TRANSPORTATION

Location: Mobile, Alabama

Hours of instruction: 72

Date: May 14 - 25, 2007

William R. ...
Instructor

Morgan Ayala
Director, National Highway Institute
Federal Highway Administration

[Signature]
Coordinator

[Signature]
Director, Office of Professional Development
Federal Highway Administration



National Highway Institute
Certificate of Training



Colby Guidry
has participated in

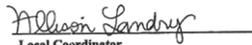
Fracture Critical Inspection Techniques for Steel Bridges

hosted by
LA DOTD/LTRC

Date: April 27-30, 2009
Location: Baton Rouge, LA

Hours of Instruction: 21


Instructor

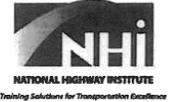

Local Coordinator


Instructor


Richard Barnaby, Director
National Highway Institute



National Highway Institute
Certificate of Training



Colby Guidry
has participated in

**Fundamentals of LRFR and
Applications of LRFR for Bridge Superstructures**

hosted by
LA DOTD/LTRC

Date: December 7-10, 2009
Location: Baton Rouge, LA

Hours of Instruction: 24


Instructor


Local Coordinator


Instructor


Richard Barnaby, Director
National Highway Institute



The Transportation Professional Certification Board

Certifies that

Ms. Alison Catarella Michel, PE,PTOE,PTP,RSP2I

successfully renewed the Road Safety Professional® (Level 1) certification

Original Certification Date: 12/21/2018

Certification Valid Through: 12/21/2024

Jeffrey F. Paniati,
Executive Director and CEO

Joseph C. Balskus, P.E., PTOE, RSP1
TPCB Chair

Certification Number: 115



The Transportation Professional Certification Board

Certifies that

Ms. Alison Catarella Michel, PE,PTOE,PTP,RSP2I

successfully renewed the Road Safety Professional Infrastructure® (Level 2) certification

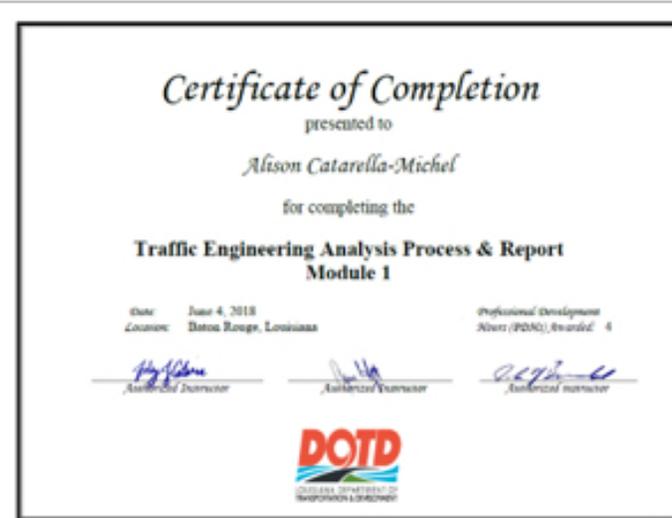
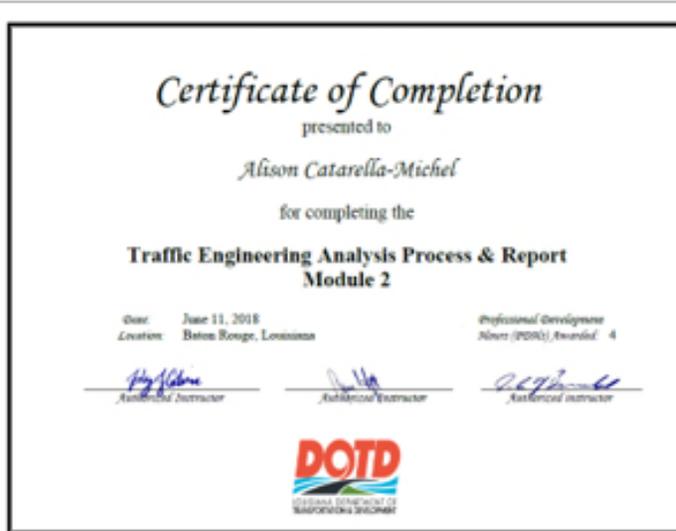
Original Certification Date: 3/20/2023

Certification Valid Through: 3/20/2026

Jeffrey F. Paniati,
Executive Director and CEO

Joseph C. Balskus, P.E., PTOE, RSP1
TPCB Chair

Certification Number: 148



Christine M. Darrah, P.E.



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Phone (225) 925-6291
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Mrs. Christine Mire Darrah

License/Certificate Type - Number	Expiration Date
PE.0028528	09/30/2025

Status: **Active**

CERTIFICATE

Louisiana Urban Stormwater Coalition **WATERWISE NOLA**

hereby recognizes that

Christine Darrah

has completed the LUSC Training
Design, Construction & Maintenance of Green Infrastructure
(8 hours of Classroom Instruction)

and is now a Water Wise NOLA certified Green Infrastructure Professional 1

06/19/2015
Date

Dana Fluey
Instructor




PROOF OF CERTIFICATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

Christine Darrah

THIS INDIVIDUAL IS CERTIFIED BY ATSSA AS A
Louisiana Traffic Control Supervisor

This certified individual has demonstrated a thorough knowledge of the standards, guidelines and practices of traffic control in highway construction and maintenance work areas; has completed all the requirements of the American Traffic Safety Services Association Certification Program to the satisfaction of the Certification Board; and is hereby awarded the above designation. This certified individual is fully entitled to all the rights and privileges associated with this designation. This certificate will remain in effect until the expiration date noted herein unless otherwise revoked by action of the Certification Board.

<i>Don M. Clark</i>	ISSUE DATE <u>4/8/2021</u>	<i>Roger Smith</i>
	EXPIRATION DATE <u>4/7/2025</u>	
	CERTIFICATION# <u>873755</u>	





Certificate of Training

PRESENTED BY
Louisiana Local Technical Assistance Program

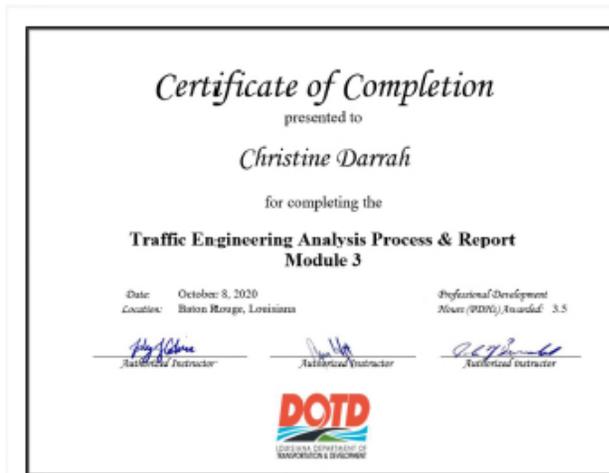
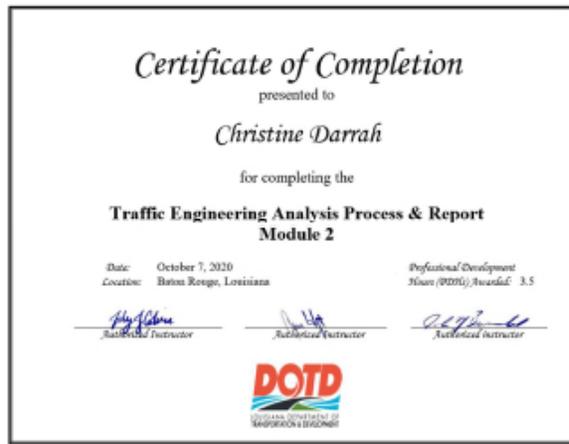
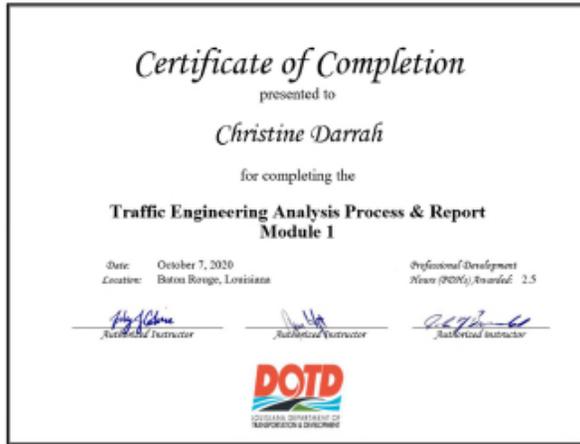
TO CERTIFY THAT
Christine Darrah

HAS SATISFACTORILY COMPLETED 6 PROFESSIONAL DEVELOPMENT HOURS IN:
Roads Scholar #9: The Road to Better Signing

Steven C. Brumfield
Director, LTAP

October 26, 2023
Date

New Orleans, LA
Location



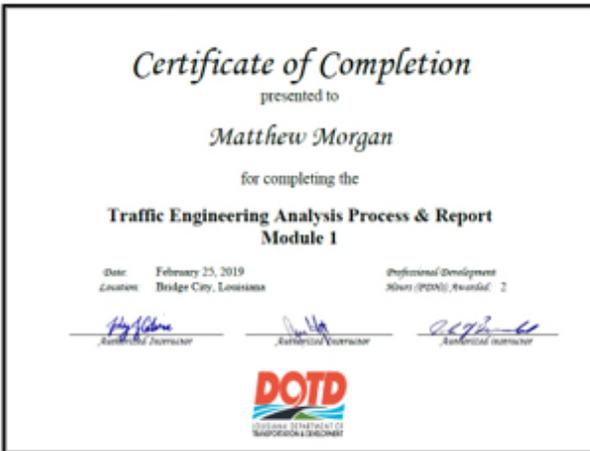
Matthew H. Morgan, P.E.



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

Mr. Matthew Hansen Morgan

License/Certificate Type - Number Expiration Date
PE.0047060 **03/31/2025**
Status: Active





PROOF OF CERTIFICATION

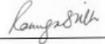
THIS CERTIFICATE IS PROUDLY PRESENTED TO

Nicole Stewart

THIS INDIVIDUAL IS CERTIFIED BY ATSSA AS A

Traffic Control Supervisor

This certified individual has demonstrated a thorough knowledge of the standards, guidelines and practices of traffic control in highway construction and maintenance work areas; has completed all the requirements of the American Traffic Safety Services Association Certification Program to the satisfaction of the Certification Board; and is hereby awarded the above designation. This certified individual is fully entitled to all the rights and privileges associated with this designation. This certificate will remain in effect until the expiration date noted herein unless otherwise revoked by action of the Certification Board.

ISSUE DATE	11/4/2020
EXPIRATION DATE	11/3/2024
CERTIFICATION #	840319



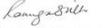
American Traffic Safety Services Association
ATSSA.com



PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Nicole Stewart
has attended
Traffic Control Technician-LA State Specific
Training Course

4/6/2021 to 4/6/2025
Training Valid Through
 
Director of Training

Baton Rouge, LA
Location
 
President, CEO

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



American Traffic Safety Services Association ATSSA.com

Certificate of Completion

presented to

Nicole Stewart

for completing the

Traffic Engineering Analysis Process & Report Module 1

Date: January 14, 2019
 Location: Baton Rouge, Louisiana
 Professional Development Hours (PDH): Awarded: 2







Certificate of Completion

presented to

Nicole Stewart

for completing the

Traffic Engineering Analysis Process & Report Module 2

Date: January 14, 2019
 Location: Baton Rouge, Louisiana
 Professional Development Hours (PDH): Awarded: 3







Certificate of Completion

presented to

Nicole Stewart

for completing the

Traffic Engineering Analysis Process & Report Module 3

Date: January 15, 2019
 Location: Baton Rouge, Louisiana
 Professional Development Hours (PDH): Awarded: 3









LOUISIANA UNIFIED CERTIFICATION PROGRAM

Disadvantaged Business Enterprise Program (DBE) Small Business Element (SBE)

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)

Urban System Associates, Inc.

Is a Certified Disadvantaged Business Enterprise (DBE) & Small Business Element (SBE) in the following specialties:

NC541330, NC541340, NC541990

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

Certificate Eligibility: February 2023 to February 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

21. QA/QC Plan:

If the advertisement requires submission of a QA/QC plan, include it here. **Otherwise, leave this section blank. If a QA/QC plan is included in this section and was not required by the advertisement, it will be redacted.**

HUVAL

Engineering and Related Services

LA 44: I-10 ROUNDABOUTS

BRIDGE QUALITY MANAGEMENT PLAN

Prepared for:

Contract No. 4400028432

State Project No. H.015569.5

Prepared by:

HUVAL & ASSOCIATES, INC.

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1. INTRODUCTION

The HUVAL Design Team has a goal of providing timely, efficient, and high-quality bridge engineering services to its clients. Safety is a top priority for the Team and its staff of qualified professionals. Successful completion of a project requires top-quality planning, teamwork, management, and a thorough review of all plans and documents.

In order to best serve the LADOTD, we have developed this Quality Control / Quality Assurance (QC/QA) plan. Since the LADOTD is our primary client, we have incorporated the QC/QA requirements of the LADOTD into this plan in order to produce quality sets of plans. According to the LADOTD's Construction Plans Quality Control / Quality Assurance Manual, a quality set of plans should have the following characteristics (The 5 C's): complete, consistent, clear, correct, and constructible. Our goal is to meet and exceed the requirements presented under the LADOTD Bridge Design Section Policy on Quality Control and Quality Assurance and the Guidance on QC/QA in Bridge Design in Response to NTSB Recommendation (H-08-17) in order to achieve the desired result of a quality set of plans.

The following QC/QA plan is proposed as a general document/guideline and may be modified based upon the specified scope of an individual project/task order and input from the LADOTD. The QC/QA Plan has been made to assure the LADOTD that the Huval Design Team understands the complexities associated with each project and are prepared to produce an accurate and complete submittal. The process assures that quality a set of Construction Plans will be submitted for Bid, thus, minimizing Plan Revisions and Plan Changes.

1.1 Definition of Terms and Positions

Quality Control (QC): Procedure for checking the accuracy and consistency of the calculations and the drawings, detection and correcting design omissions and errors before the design plans are finalized and verifying the specification for the load-carrying members are adequate for the service and operation loads.

Quality Assurance (QA): Procedures of reviewing the work to ensure the quality controls are in place and effective in preventing mistakes, and consistency in the development of bridge design plans and specifications; those actions, procedures, and methods employed at the management and senior technical levels to observe and ensure that prudent quality procedures are in place and are being carried out and that the desired result of a quality product is achieved.

Designer: Engineer directly responsible for the development of design calculations, drawings, special provisions and cost estimates. Must be either a licensed professional engineer or engineer intern.

Design Checker: Engineer responsible for performing a full technical review of the design calculations, special provisions, drawings, and cost estimates. Must be either a licensed professional engineer or engineer intern, however, if the designer is a engineer intern the design checker must be a professional engineer.

Detailer: Individual responsible for preparing drawings. This individual/s is responsible for development of the drawing through the use of required CAD technology.

Reviewer: Engineer responsible for ensuring that the QC process has been followed as outlined. The Reviewer is responsible for ensuring that submittals are complete and in accordance with LADOTD Bridge Design practices, policies and procedures

Engineer of Record: Qualified Engineer responsible for stamping the Final set of Plans and assuring that QC/QA certification is signed by all responsible parties.

Team Leader: Project Manager or Task Assignee responsible for overseeing the project and staff on the project. Responsible for conducting audits and ensuring quality control plans are adhered to for each discipline.

Constructability Review: A design review performed by the Contractor or appropriate construction services personnel to assess the feasibility of the proposed design from a construction perspective.

Design Criteria: Document agreed to by the LADOTD and Consultant prior to design that establishes the design guidelines and procedures to be used for the design of the project. The Design Criteria shall include a Checklist that lists all the criteria, factors, software and general guidelines to be used for each discipline required for this project. The Checklist is based upon the LADOTD Bridge Design Section Policy on Quality Control and Quality Assurance Appendix A: Design Criteria Checklist.

2. BRIDGE DESIGN TEAM AND CONSULTANT RESPONSIBILITIES

As the Prime Consultant, HUVAL has selected experienced staff and Sub-consultant firms with qualified personnel to assist in the design of the required bridge structures for the project. Huval shall have the role of the project manager, Lead Bridge Designer and will also be responsible for the scope development of individual task orders. Huval shall also be responsible for QC/QA of the bridge/structural plans and design calculations.

2.1 File Management

Refer to Quality System Procedure (QSP) No. 9 of the QA/QC Plan for document and file management control requirements.

2.2 CADD

All drawings shall be performed in Microstation V8i and be CADD Conformed to LADOTD standards. HUVAL will be responsible for assuring that these requirements are met by all Consultants.

2.3 LADOTD Roles

Quality control is the sole responsibility of the Design Team. The Team shall be responsible for completing quality control in accordance with this document and the QM prior to all submissions. LADOTD's role shall be limited to providing comments on the substance provided and not completely reviewing the plans for errors and omissions.

3. DESIGN CRITERIA AND SOFTWARE

The following sections discuss the Design Team's procedures for Design Criteria and Software determination.

3.1 Design Criteria

Design criteria will be created based on the requirements of the Bridge Design and Evaluation Manual. If applicable the design criteria shall include but not be limited to;

- Governing Design and Construction Specifications and Other References
- Design Assumptions and Design Exceptions
- General Information
- Hydraulic Design Criteria
- Design Factors
- Design Loads
- Limit States
- Bridge Barrier
- Guardrail
- Approach Slab
- Deck and Deck Drainage
- Bearings
- Joints
- Superstructure
- Substructure
- Piles
- Geotechnical Design
- Electrical/ Lighting Design
- As-Designed Rating Criteria
- Software

The design criteria will be submitted to LADOTD for review and approval prior to the start of design. The design criteria will be updated as necessary but resubmitted to LADOTD for review and approval.

Design memorandums will be issued to the Team for all major decisions that affect the design.

3.2 Software

The Design Team shall adhere to LADOTD policies regarding software by using only design software which is pre-approved by the LADOTD. Design and drafting software to be used on the Project shall be listed in the design criteria. In the event software has not been pre-approved by the LADOTD, the Design Team shall adhere to the following stipulations in order to seek LADOTD approval of the software to be used.

A synopsis of the software shall be submitted to the Bridge Design Engineer Administrator for approval prior to use. The synopsis shall include the name of the software and the developer, a general description of the functions, a certification from the software developer stating that it is maintained in accordance with the latest AASHTO LRFD Bridge Design Specifications, and an account of the requester's experience and the experience of other organizations or agencies that use the software. Data/results from in-house software will not be accepted as part of the deliverable.

4. DESIGN QUALITY MANAGEMENT PLAN

4.1 Quality Management Overview

A specific Quality Control/Quality Assurance process has been established for the design of all bridges for the projects. This shall include design and detail reviews among the designated design team responsible for the design.

Detailed procedures for QC and QA are described in the following sections.

4.2 Quality Control Process (QC)

Design Calculations and Plans

Quality control starts with the Designer. The Designer is responsible for producing and reviewing all calculations and details prior to being checked. It is the responsibility of the Designer to develop and check the details and plans produced by the Detailers.

The design checker is the engineer responsible for performing a full technical review of the design calculations, drawings, special provisions including Non-Standard items, and cost estimate. The design checker must be licensed by the State of Louisiana a professional engineer or certified as an engineer intern; however, if the designer is an engineer intern, the design checker must be a professional engineer. The detail checker is the individual responsible for performing a full review of the CAD drawings. The detail checker can be a designer or a detailer. The design checker and detail checker shall not be the ones who perform the original design and detailing.

During the design check process, the design checker must verify the accuracy of the designer's calculations, pay items, quantities, special provisions including Non-Standard items, and cost estimate. The design checker may perform a redline check of the designer's calculations or produce an independent set of calculations and compare the results; the supervisor or team leader shall determine which method to use

depending on the complexity of the project. Regardless of the checking method employed, the designer's calculations are the calculations of record and must be updated to correct any errors or omissions discovered by the design checker. The calculations of the design checker should also become a part of the calculation of record when independent checking calculations are produced. The design checker should also ensure that the drawings adequately and accurately present the design information.

During the detail check process, the detail checker must ensure the drawings are in accordance with the design information and CAD standards. All dimensions and quantity calculations must be verified.

The checker may begin the checking process at the completion of the entire design/detail process or may check components of the designer/detailer's work as it is completed. Likewise, the checker may provide feedback at the completion of the entire checking process or as each component of check is completed. Any discrepancies that arise should be resolved between the designer/detailer and the checker, and the calculations and plan details should be corrected accordingly. If the designer/detailer and the checker are unable to resolve their discrepancies, the issue should be brought to the attention of the supervisor or team leader.

The Design Checker shall review the calculations, document for correctness and completeness, and verify that the design is properly reflected in the plans and details.

- Items needing correction are marked in red.
- Correct items are highlighted in yellow.
- Correct full paragraphs (or pages) marked with a yellow diagonal or check mark
- For software calculations, the design checker may prepare an independent model or conform the correctness of the input/out using the designers software file.

When the checker is complete, all calculations and details should be highlighted and sent back to the designer. Any discrepancies are to be resolved prior to completion of the calculation package and noted.

Upon completion of the submittal by the Designer and Design Checker, the Reviewer shall review the calculation documents along with the details used to develop the calculations. The Reviewer is responsible for checking the plans for completeness and accuracy prior to a submittal. The Reviewer shall document their review.

- Agreement shown with a blue check mark
- Disagreement are discussed are shown in red.
- The review is sent back to the Designer. Any disagreements are to be resolved prior to completion of the submittal.

All reviews and comments shall be recorded and documented by the EOR.

4.3 Quality Assurance Process (QA)

QA is defined as the procedures of reviewing the work to ensure the quality control procedures

are in place and effective in preventing mistakes, and consistency in the development of bridge design plans and specifications. Prior to submitting the plans to the Quality Manager (QM), the Reviewer is responsible for ensuring that the QC process is complete and that the design calculations, drawings, special revisions, and cost estimates are in accordance with LADOTD Bridge Design practices, policies and procedures.

The Reviewer shall verify the constructability of the plans and that critical structural areas are accurate and designed properly. The Reviewer provides the designer with any concerns or deficiencies observed in the design and plans. These issues are resolved prior to formal submittal to the DQM.

Upon completion of the QA process, the plans are submitted to the QM in accordance with the overarching Comite project CMAR QA/QC Plan.

5. CERTIFICATIONS

5.1 Certifications and Forms

The Design Team shall create pertinent QC/QA forms for this project and shall require that the QC/QA process is followed, and the forms are signed by the responsible parties. Huval shall document and file these forms for each deliverable where required.

5.2 Sealing of Plans

The Engineer of Record (EOR) is the Louisiana-licensed professional engineer who is assigned by the Design Unit Leader to seal the calculation, plans, and special provisions.

APPENDIX

- Design Criteria Checklist
- Final Calculation Book Checklist
- QA Information Package Checklist
- QC/QA Certification
- Consultant Submittal QC/QA Certification
- Quality Audit Checklist
- Sample Check Print Stamps

Design Criteria Checklist

Design criteria for each project shall include, but not be limited to, the following sections:

— **Cover sheet**

The following information must be included on the cover sheet:

- LADOTD 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 Expectations**

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
- Hydraulic design information (design water elevations, scour depth and scour elevation, etc.)
- Other relevant information

— **Design Factors**

The ductility factor η_D , redundancy factor η_R , and operational importance factor η_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 shall be included in this section. 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 utilized.

— **Electrical 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.

Final Calculation Book Checklist

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:

- LADOTD 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 LADOTD 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**

QA Information Package Checklist

Project No.: TBD

Project Description: TBD

- _____ Calculation Book

- _____ Plans

- _____ Special Provisions

- _____ Cost Estimate

- _____ Other Documents _____

QC/QA Certification

Project No.: TBD

Project Description: TBD

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 LADOTD 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						

Consultant Submittal QC/QA Certification

Project No.: TBD

Project Description: TBD

I, the undersigned Supervisor or Team Leader for this project, certify that the information included in this submittal has been prepared in accordance with the QC/QA plan documents and LADOTD Bridge Design Section policy on QC/QA and the information presented is accurate and meets the requirements of this submittal. All CAD drawings meet LADOTD CAD standards.

Submittal Description

Supervisor or Team Leader Name

Signature

Date

QUALITY AUDIT CHECKLIST

AUDITED AREA:		DATE(S) OF AUDIT:		
AUDITOR:		AUDIT:		
AUDIT ITEM	REFERENCE	METHOD VERIFICATION	OF CONFORMS	
			YES	NO
1. Have computer programs utilized been validated?	QMP Group D	Review validation records.		
2. Are calculation check prints available?	QMP Group B	Review originals and check prints		
3. Were calculations checked prior to drawing checking?	QA Folder, QMP Log	Review check prints.		
4. Are drawing check prints available?	QMP Group E	Review record set and check prints.		
5. Are check prints of specifications available?	QMP Group A	Review record set and check prints.		
6. Is checking of input to computer programs being accomplished?	QMP Group B	Review originals and check prints		
7. Are check prints of studies or report-type documents available?	QMP Group A	Review check prints.		

8. Are procedures for marking up check prints being followed? Checker - Yellow/Red Backchecker - Green Updater - Blue Verifier - Yellow	QA Folder	Review check prints.		
10. Are check prints properly signed and dated?	QA Folder	Review check prints.		
11. Are plan reviews completed?	QMP Log	Review package to verify that comment sheets are available.		
12. Are the review comments incorporated into the final documents or disposed of as otherwise noted?	QA Folder	Review for verification that Design Reviews comments have been incorporated. Review for verification that comments from prior Design Reviews have been incorporated.		
13. Are check prints of graphic elements available?	QMP Group C	Review check prints.		
14. Are all checklists validated?	QMP Group D	Review check prints.		

SAMPLE CHECK PRINT STAMPS

CHECKING PRINT

Checked by _____ Date _____
Back Checked by _____ Date _____
Corrected by _____ Date _____
Tracing Signed by _____ Date _____

AUXILIARY

CHECKING PRINT NO. _____

Checked by _____ Date _____
Back Checked by _____ Date _____
Corrected by _____ Date _____
Tracing Signed by _____ Date _____

Designers (designer will be someone from this list depending on specific bridge project and needs) (Design checker will be a PE if the Designer is an EI and will not be one of the designers for the subject bridge)	Design Checkers (design checker will be someone from this list depending on specific bridge project and needs) (Design checker will be a PE if the Designer is an EI. The design checker will not be one of the designers for the subject bridge)	Detailers	Detail Checkers (detail checker will be a designer or a detailer, but shall not be the person who designed or detailed the drawings being checked)	Reviewers	Team Leaders
Justin Peltier, PE Matthew Hebert, PE Reid Romero, PE Rudy McClellan, PE Robert Dugas, PE Robert Schmidt, PE Patrick Wilson, PE Katherine Werther, PE Nicholas Helminger, PE Michelle Helminger, PE Glenn McCall, PE Lee Hupperich, PE Ross Prejean, PE Tracy Sonnier, PE Andrew Juneau, PE Cheyenne Stelly, PE Megan Foret, PE Brian Rando, PE Devin Fuselier, EI Alex Spikes, EI Patricia East, EI Paige Adams, EI Raymond Provost, EI	Colby Guidry, PE Justin Peltier, PE Matthew Hebert, PE Reid Romero, PE Rudy McClellan, PE Robert Dugas, PE Robert Schmidt, PE Patrick Wilson, PE Katherine Werther, PE Nicholas Helminger, PE Michelle Helminger, PE Glenn McCall, PE Lee Hupperich, PE Ross Prejean, PE Tracy Sonnier, PE Andrew Juneau, PE Cheyenne Stelly, PE Megan Foret, PE Brian Rando, PE Devin Fuselier, EI Alex Spikes, EI Patricia East, EI Paige Adams, EI Raymond Provost, EI	Keri Cart Jamie Cart Lori Fuselier Jonathon Sundberg Joey Landry Brandi Grace Matt Hebert, PE Colby Guidry, PE Justin Peltier, PE Nicholas Helminger, PE Megan Foret, PE Devin Fuselier, EI	Colby Guidry, PE Justin Peltier, PE Matthew Hebert, PE Reid Romero, PE Rudy McClellan, PE Robert Dugas, PE Robert Schmidt, PE Patrick Wilson, PE Katherine Werther, PE Nicholas Helminger, PE Michelle Helminger, PE Glenn McCall, PE Lee Hupperich, PE Ross Prejean, PE Tracy Sonnier, PE Andrew Juneau, PE Megan Foret, PE Brian Rando, PE Devin Fuselier, EI Alex Spikes, EI Patricia East, EI Paige Adams, EI Keri Cart Jamie Cart Lori Fuselier Jonathon Sundberg Joey Landry Brandi Grace	Colby Guidry, PE Thomas Gattle, PE Glenn McCall, PE Rudy McClellan, PE Robert Dugas, PE Patrick Wilson, PE Justin Peltier, PE Matthew Hebert, PE Reid Romero, PE Robert Schmidt, PE	Colby Guidry, PE Thomas Gattle, PE Glenn McCall, PE Justin Peltier, PE Matthew Hebert, PE Reid Romero, PE Robert Schmidt, PE

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 (Name must match as registered with Louisiana's Secretary of State)	Address	Point of Contact and email address	Phone Number
Huval & Associates, Inc.	922 West Pont des Mouton Rd. Lafayette, LA 70507	Colby Guidry, P.E. cguidry@huvalassoc.com	(337) 234-3798
Urban Systems, Inc	2000 Tulane Ave. Suite 200 New Orleans, LA 70112	Alison C. Michel, P.E., PTOE, PTP, RSP _{2i} acmichel@urbansystems.com	(504) 569-3958

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. Any information included in this section will be redacted if not required by the advertisement.**



C. H. Fenstermaker & Associates, L.L.C.