DOTD FORM: 24-102

(Revised September 17, 2024)

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	IDIQ CONTRACT FOR DESIGN SERVICES STATEWIDE WITH MAJORITY OF WORK IN DISTRICTS 61 & 62
2. Contract Number(s) as shown in the advertisement	4400030378
3. State Project Number(s), if shown in the advertisement	
4. Prime consultant name **(name must match exactly as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; include screenshot from SOS at the end of Section 20)**	**Huval & Associates, Inc.**
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	Professional Engineering – EF.0001542 Land Surveying – VF.0000285 DUNNS - 84-067-2406
6. Prime consultant mailing address	**Huval & Associates, Inc.** 922 West Pont Des Mouton Rd Louisiana, LA 70507
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	922 West Pont Des Mouton Rd Louisiana, LA 70507
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Thomas M. Gattle, III, P.E., – Director (337) 234-3798 tgattle@huvalassoc.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	David S. Huval, Sr. P.E., –President (337) 234-3798

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

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.

Pursuant to Act No. 581 of the 2024 Louisiana Legislature Regular Session, proposer further certifies that it does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association based solely on the entity's or association's status as a firearm entity or firearm trade association. In addition, proposer certifies it will not discriminate against a firearm entity or firearm trade association during the term of the contract based solely on the entity's or association's status as a firearm entity or firearm trade association.

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

Date: 10/15/2024

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):	Firm(s)' %:
	Vectura	5%

12. Past Performance Evaluation Discipline Table:

As indicated in the advertisement, insert a completed table here. The percentages for the prime and sub-consultants must total 100% for each past performance evaluation discipline, as well as the overall total percent of the contract.

Past Performance Evaluation Discipline(s)	% of Overall Contract	**Huval & Associates, Inc.**	**NTB & Associates, Inc.**	**Royal Engineers**	**Vectura Consulting Services, LLC.**	Each Discipline must total to 100%
Road	50%	80%		20%		**100%**
Bridge	20%	100%				**100%**
Survey	15%		100%			**100%**
Traffic	5%				100%	**100%**
Identify the percentage of work for the **overall contract** to be performed by the prime consultant and each sub-consultant.						
Percent of Contract	**100%**	60%	15%	10%	5%	

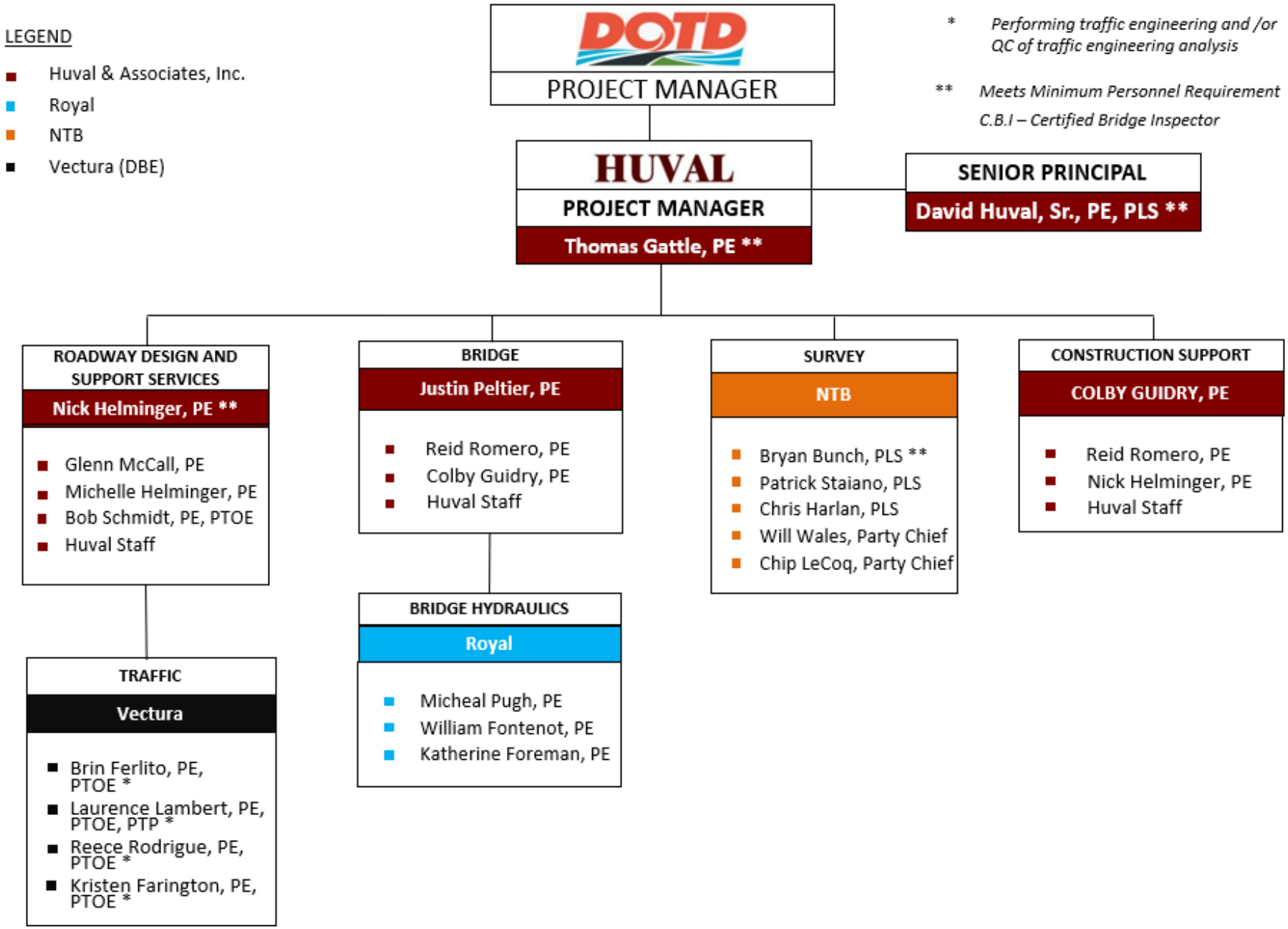
13. Firm Size:

Firm name	DOTD Job Classification	**Number of personnel committed to this contract**	Total number of personnel available in this DOTD Job Classification (if needed)
Huval & Associates, Inc.	Principal	1	1
Huval & Associates, Inc.	Supervisor - Eng	2	5
Huval & Associates, Inc.	Engineer	4	16
Huval & Associates, Inc.	Engineer Intern	2	4
Huval & Associates, Inc.	Senior Technician	1	1
Huval & Associates, Inc.	Technician	1	1
Huval & Associates, Inc.	CADD Technician	2	4
Huval & Associates, Inc.	CADD Drafter	2	4
NTB Associates, Inc.	Principal	1	1
NTB Associates, Inc.	Engineer	0	1
NTB Associates, Inc.	Surveyor	5	7
NTB Associates, Inc.	Supervisor - Other	1	3
NTB Associates, Inc.	Senior Technician	0	1
NTB Associates, Inc.	CADD Technician	1	6
NTB Associates, Inc.	Technician	1	2
NTB Associates, Inc.	CADD Drafter	2	6
NTB Associates, Inc.	Party Chief	4	19
NTB Associates, Inc.	Instrument Man	4	7
NTB Associates, Inc.	Rodman	4	7

Vectura Consulting Services, LLC	Supervisor - Eng	2	2
Vectura Consulting Services, LLC	Engineer	3	3
Vectura Consulting Services, LLC	Engineer Intern	0	2
Vectura Consulting Services, LLC	Senior Technician	0	2
Vectura Consulting Services, LLC	Supervisor - Other	0	1
Vectura Consulting Services, LLC	Technician	0	1
Vectura Consulting Services, LLC	Clerical	0	1
Royal Engineers and Consultants, L.L.C.	Principal	1	4
Royal Engineers and Consultants, L.L.C.	Engineer	2	10

(Add rows as needed)

14. Organizational Chart:



15. Minimum Personnel Requirements:

Use the table below to identify both prime consultant and sub-consultant staff designated to work on this contract meeting the Minimum Personnel Requirements (MPRs) specified in the advertisement. Ensure the résumé reflects the required experience stated in the MPR. Make sure the P.E. discipline is also listed (highlighted in table) that is meeting the MPR; e.g. professional civil engineer should show the discipline of the license as civil if meeting that MPR.

MPR No. Do not insert wording from ad	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license and discipline meeting MPR/ certification & number (Ex: PE # - Civil)	State of license	License / certification expiration date
1	David Huval Sr., PE, PLS	Huval & Associates, Inc.	P.E. # 0009931 - Civil	LA	03/31/2025
2	Thomas M. Gattle III, PE	Huval & Associates, Inc.	P.E. # 0030779 - Civil	LA	09/30/2025
3	Nicholas Helminger, P.E.	Huval & Associates, Inc.	P.E. # 0041937 - Civil	LA	03/31/2026
4	Bryan T. Bunch, P.L.S.	NTB Associates, Inc.	P.L.S. #5014 - Survey	LA	03/31/2026

(Add rows as needed)

16. Staff Experience:

Firm employed by **Huval and Associates, Inc.**			
Name	**David S. Huval Sr., P.E., P.L.S.**	Years of experience with this firm/employer	33
Title	President	Years of experience with other firm(s)/employer(s)	29
Degree(s) / Years / Specialization		Post Graduate Work /Structural, 08/66-05/69 Bachelor of Science, 05/61 Civil Engineering / Structural	
Active registration number / state / expiration date		9931 / LA / 03/31/2025 2015 /LA / 03/31/2025	
Year registered	1965	Discipline	Civil Engineering and Land Surveying
Contract role(s) / brief description of responsibilities		**Civil Engineer – Principal / MPR #1**	

David Huval, Sr., has designed, inspected, rated, and constructed bridges across Louisiana and the Southeastern United States for the past 57 years. His experience includes highway and railroad bridges, roadways, cofferdams, and caissons. He is also well-versed in Federal and State Government procedures and has extensive knowledge of the geographic area. Mr. Huval leads construction bid estimates for his sister company, C.E.C., Inc. He has designed and managed numerous large projects as a consultant, General Manager for a steel erection contractor, Bridge Design Engineer for the Louisiana Department of Transportation and Development (LADOTD), and Highway Engineer for the Federal Highway Administration (FHWA). Since 1989, Mr. Huval has served as President of Huval & Associates, Inc., where he has worked as a Project Engineer, Project Manager, Quality Assurance Officer, and continues to participate directly as a Design Engineer. He is also a licensed Professional Land Surveyor. Mr. Huval was the Lead Engineer for seven (7) separate Bridge Rehabilitation Retainer Contracts that HUVAL has held with the LADOTD over the past eighteen (18) years. Inspection, repair, rehabilitation, or replacement services were performed for several hundred fixed and movable bridge structures under these Retainer Contracts, including the I-10 Calcasieu River Bridge, the LA 70 Sunshine Bridge, the I-310 Mississippi River Bridge, the US 80 Louisville Street Bascule Bridge in Monroe, the Jackson Street Bridge over the Red River in Alexandria, the LA 511 Red River Bridge (Jimmie Davis Bridge), and dozens of bridge structures on the future I-49 North corridor.

(1991-Present)	**St. Martin Parish Bridge Inspection (1991 – Present) -** From 1991 to present, Mr. Huval has been involved in the Inspection and Rating of Bridges for St. Martin Parish. This work also included the design of Bridge Repair Projects, in particular the retrofit of Timber Piling on Precast Bridges. Bridges included one Pontoon Bridge, one Swing Span Bridge and numerous Timber and Precast Concrete Bridges.
(2018-2020)	**GNOEC Safety Bay Improvement CMAR (Independent Cost Estimator)** Assisted the Independent Cost Estimator (ICE) for the for the $55 million Safety Bay Improvement CMAR Project, the first highway CMAR project in Louisiana. Under this contract, Mr. Huval assisted in the efforts of producing a detailed independent cost estimate for the contract items and review the CMAR Contractor's schedule and cost model throughout each phase of design under the CMAR pre-construction phase. Additionally, constructability reviews and design comments were performed collaboratively with the CMAR design engineer, contractor, and Program Manager.
(2011 – 2015)	**Retainer Contract for Bridge Preventive Maintenance Program (BRPM) – Statewide, Contract No. 440001543 -** Principal and Lead Bridge Design Engineer for Retainer Contract. Responsible for Task Order conceptual design, oversight, construction support services and QA/QC. Retainer Contract currently consists of 7 Task Orders.

(2009 – 2015)	**Retainer Contract for Bridge Preservation Services – Statewide, S.P. 700-99-0488-** Principal and Lead Bridge Design Engineer for Retainer Contract. Responsible for Task Order conceptual design, oversight, construction support services and QA/QC. Retainer Contract currently consists of 19 Task Order with supplements.
(2008 – 2012)	**Retainer Contract for Urgent Bridge Repair and Rehabilitation Services – Statewide, S.P. 700-99-0449 -** Principal and Lead Bridge Design Engineer for Retainer Contract. Responsible for Task Order conceptual design, oversight, construction support and QA/QC.
(2007 – 2011)	**Retainer Contract for Bridge Preservation Services – Statewide, S.P. 700-99-0431 -** Principal and Lead Bridge Design Engineer for Retainer Contract. Responsible for Task Order conceptual design, oversight, construction support.
(2000-2009)	**District 02, 03 and 07 Inspection and Rehabilitation, S.P. 700-99-0232 -** Principal, Project Manager and Lead Design Engineer for Retainer Contract. Responsible for coordination, project setup, conceptual design, design details and calculations, traffic control, oversight, construction support and QA/QC.
(1994-1998)	**District 02 Major Bridge Inspection (Jefferson and Orleans Parish), S.P. 700-30-0205 (1994 – 1997) -** Inspected the bridges along other team members of Huval & Associates. Prepared final Inspection Report and wrote QA/QC Plan for the Project. Bridges include the US-11 Bridge on Lake Ponchartrain, I-10 Bridge on Lake Ponchartrain and LA-1 Bridge on Caminada Bay.
(2003 & 2015)	**Mississippi River Bridge (Natchez)** Provided the construction engineering for the repairs of the steel trusses on both the east and west bound trusses.
(1997 – 2005)	**I-310 Mississippi River Bridge (Luling) -** Design of Finger Joints replacing Modular Joints, Asphalt and Concrete Overlays and Design of Joint Replacements. Project also included Inspection of various items of the bridge.
(1979 – 1989)	**Lafayette Steel Erector, Inc.** During this period David S. Huval, Sr. provided construction engineering and project management on the erection of structural steel girder, truss spans, prestressed concrete girder spans, segmental post tension, concrete girder spans and moveable bridges, including swing spans, vertical lift bridges, and bascule spans.
(1965-1978)	**LADOTD – Bridge Design Engineer, 1965 - 1978** • **Bridge Design, (1965 – 1978) -** Participated in the development of numerous bridge standards on Prestressed Concrete Girders, Piles, Stay-in-Place Forms, Bridge Decks, Joints, Structural Steel Bridges, Movable Bridges, and Timber Bridges. Participated in the planning, design and construction of bridge structures throughout the State of Louisiana. • **Bridge Maintenance, (1965 – 1970) -** Coordinated with the Bridge Maintenance Engineer, C.J. Russell, on the development of Design and Details for bridge maintenance projects throughout the State of Louisiana.

Firm employed by **Huval and Associates, Inc.**			
Name	**Thomas M Gattle III, P.E.**	Years of experience with this firm/employer	23
Title	Director of Engineering	Years of experience with other firm(s)/employer(s)	4
Degree(s) / Years / Specialization		08/91-12/97 Bachelor of Science Civil Engineering, Structural	
Active registration number / state / expiration date		30779 / LA / 09-30-2025	
Year registered	2003	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**HUVAL Project Manager / MPR #2**	

Mr. Gattle has over 20 years of experience in the design and management of roadway and bridge projects. He has been instrumental in the design, production, and overall management of numerous projects for the Louisiana Department of Transportation and Development (LADOTD). These projects include serving as Lead Designer and Project Manager for several Bridge Rehabilitation Retainer Contracts, LADOTD Bridge Inspection projects, and LADOTD Roadway Design projects. Additionally, Mr. Gattle was the Lead Designer for various road and bridge design projects for the Lafayette Consolidated Government.

Prior to joining HUVAL, Mr. Gattle was in responsible charge of the I-49 Connector Environmental Impact Statement (EIS) and the I-10 Calcasieu River Bridge Environmental Assessment. He has experience in roadway design, drainage design, feasibility studies, bridge design, and bridge inspection

(05/23-Present)	**Jimmie Davis Bridge (LA 511) (HBI) Design Build Project - S.P. H.001779 –** Mr. Gattle is serving as the Project Design Manager on this project to design and construct a new 4 lane bridge across the Red River in Caddo/Bossier Parish. The project includes reconstruction of nearly 2 miles of LA 511 into a 4-lane median divided highway, construction of full access interchange connections with LA 511 at both Arthur Ray Teague Parkway and Clyde Fant Memorial Parkway, and improvements to other local roadways. Project includes conversion of Existing Jimmie Davis Bridge into a Linear Park, constructing new multi-use paths, and elevated ramps to connect the paths to the Linear Park.
(1/18-Present)	**I-10 Widening LA 415 to Essen Lane on I-10 and I-12, WBR and EBR Parishes, S.P. No. H.004100.** Currently the Design Lead for the anticipated $1.2 billion project to widen I-10 from the LA 415 interchange to the I-10/I-12 Interchange. This project consists of all aspects of infrastructure including complex bridge design and roadway design. Prior to the award for engineering services for the project, Mr. Gattle led the Constructability Analysis during the NEPA phase of the project. This included development of construction sequencing while maintaining traffic thru the corridor along with providing construction cost estimates and project timeframes. Mr. Gattle presently leads the bridge and roadway engineering efforts for the current phase of the project that includes the replacement of road and bridges from the I-10/I-110 interchange past the I-10/Acadian Thruway. This includes coordination with the DOTD, CMAR Contractor and ICE to develop the best construction value for the complex project thru Baton Rouge.
(06/16-Present)	**I-49 South-Verot School Road Interchange, S.P. H.011235 -** HUVAL Project Manager and Prime Consultant Team Leader of roadway geometric design including traffic analysis while assisting with bridge design and construction services.

(03/19-09/21)	**I-220/I-20 Interchange IMP & Barksdale Access Design-Build Project, Bossier Parish, S.P. No. H.003370.** Served as the Project Design Manager and Lead Design for the Design-Build project. The Design-Build project consisted of modifying the existing I-220/I-20 Interchange to accommodate direct access to the Barksdale Airforce Base. Project included new roadway design for new directional ramps and I-220 extension, bridges over I-20 and KCS Railroad, temporary traffic control, sequence of construction and drainage design. Mr. Gattle produced the geometric layout of the project and lead the design and coordination for the $72M Design-Build project. The design phase of the project is 98% complete with the overall project scheduled to be completed on time.
(3/18-12/18)	**GNOEC Safety Bay Improvement CMAR (Independent Cost Estimator)** Assisted the Independent Cost Estimator (ICE) for the for the $55 million Safety Bay Improvement CMAR Project. Under this contract, Mr. Gattle assisted in the efforts of producing a detailed independent cost estimate for the contract items and review the CMAR Contractor's schedule and cost model throughout each phase of design under the CMAR pre-construction phase. Additionally, constructability reviews and design comments were performed collaboratively with the CMAR design engineer, contractor, and Program Manager.
(09/12 – 12/17)	**Retainer Contract for Bridge Repair and Rehabilitation Services - Statewide, Contract No. 4400002537-** Project Manager of Retainer Contract. Responsible for coordination, project setup, QA/QC, meetings and contracts for the $6M retainer contract.
(06/14– 04/19)	**I-49 South-US 90 Albertson Pkwy to Ambassador Design Build - S.P. H.010620 -** HUVAL Project Manager. Lead Designer on roadway geometric layout and assisted with bridge design and construction services for this Design Build.
(04/11 – 05/16)	**West Bank Expressway MacArthur Drive Interchange, S.P. H.002550.5 & H.009933.5 -** As Project Manager and Lead Engineer, Mr. Gattle was responsible for Geometric/Span Layout Modifications and Structure Design. Mr. Gattle coordinated the survey efforts and the responsibilities of multiple Sub-consultants for the $34M reconstruction project to provide additional ramps from the US 90B elevated roadway to the adjacent parallel frontage roads under tight timeframes.
(08/09 – 06/15)	**Retainer Contract for Bridge Repair and Rehabilitation Services - Statewide, S.P. 700-99-0488 -** Project Manager of Retainer Contract. Responsible for coordination, supervising inspection team, project setup 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.
(06/07 – 11/11)	**Retainer Contract for Bridge Preservation (On-System) – Statewide, S.P. 700-99-0431 -** Project Manager of Retainer Contract. Responsible for coordination, project setup, design and QA/QC of Task Orders.

Firm employed by **Huval and Associates, Inc.**				
Name	**Nicholas Helminger, P.E.**		Years of experience with this firm/employer	6
Title	Civil Engineer		Years of experience with other firm(s)/employer(s)	5
Degree(s) / Years / Specialization			08/2009-05/2013: Bachelor of Science Civil Engineering 08/2013-12/2014: Master of Science in Civil Engineering	
Active registration number / state / expiration date			41937 / LA / 03-31-2026	
Year registered	2017	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			**Lead Roadway Design, Construction Support / MPR #3**	

Mr. Helminger joined Huval & Associates in 2018 with 5 years of experience at Professional Engineering & Surveying Co., Inc. (PENSCO). His work at PENSCO encompassed various aspects of engineering, including roadway design, drainage design, bridge design, plan and specification preparation, construction layout, and construction administration. Since joining HUVAL, Mr. Helminger has been involved in roadway design, bridge design, project management, and plan preparation for several Louisiana Department of Transportation and Development (LADOTD) projects. His training includes certifications as an American Traffic Safety Services Association (ATSSA) Traffic Control Technician and Traffic Control Supervisor.

(03/23-Present)	**Jimmie Davis Bridge (LA 511) (HBI) Design Build Project - S.P. H.001779 –** Mr. Helminger is serving as the lead road design engineer on this project to design and construct a new 4 lane bridge across the Red River in Caddo/Bossier Parish. The project includes reconstruction of nearly 2 miles of LA 511 into a 4-lane median divided highway, construction of full access interchange connections with LA 511 at both Arthur Ray Teague Parkway and Clyde Fant Memorial Parkway, and improvements to other local roadways. Project includes conversion of Existing Jimmie Davis Bridge into a Linear Park, constructing new multi-use paths, and elevated ramps to connect the paths to the Linear Park.
(04/21-Present)	**I-10: LA 415 to Essen Lane on I-10 and I-12 - S.P. H.004100 –** Mr. Helminger is serving as a lead road design engineer on this CMAR project which includes the reconstruction and widening of I-10 from the Mississippi River Bridge to the I-10/I-12 split. Design duties include horizontal and vertical geometrics for I-10 mainline and entrance/exit ramps and sequence of construction and temporary traffic control along I-10 mainline. As part of the CMAR process, Mr. Helminger is involved in design workshops, bi-weekly task force meetings, and quantity and cost reconciliation meetings.
(10/18-Present)	**I-49 South @ Verot School Road Interchange - S.P. H.011235 –** Serving as assistant project manager and road design engineer. Prepared and reviewed roadway plans for LADOTD submittal. Designed vertical profiles and performed QC checks on horizontal geometry. Assisted subconsultants in the design of subsurface drainage systems and developed a plan for alternative outfalls. Performed bridge design calculations including prestress girder design checks to determine span lengths, preliminary pile loads for column bents and pile bents, and vertical clearance calculations. Computed quantities and developed construction costs estimates. Coordination of design and plan consistency between several firms.
(07/21-05/23)	**LA 94: Vermilion River Bridge Replacement - S.P. H.014560 –** Mr. Helminger served as the lead road design engineer for the replacement of the LA 94 Bridge over the Vermilion River in Lafayette/St. Martin Parish. Mr. Helminger designed the horizontal and vertical geometry of LA 94 and the diversion roadway and prepared all roadway plan sheets.

(06/20-05/21)	**Comite River Diversion Bridges at LA 67, LA 19, and LA 19 Railroad Bridge - S.P. H.001352 and H.002273 –** Mr. Helminger served as the lead road design engineer and assistant project manager on this CMAR project which includes the construction of new bridges over the Comite River Diversion Channel (CRDC). This project had two sites: LA 67 and LA 19. LA 67 is a two-way two-lane roadway while LA 19 is a 4-lane divided roadway. On site diversion roadways were used on both sites. Mr. Helminger designed the horizontal and vertical geometry for both roadways and diversion roadways, typical sections, sequence of construction, drainage, guardrail, pavement markings, signing, and cross sections. He also created typical sections, plan profiles, and cross sections of the CRDC that will be excavated under this project. The LA 19 site included a railroad crossing over the CRDC. Mr. Helminger designed the vertical and horizontal alignment for the permanent rail over the channel and the shoofly railroad used to maintain rail traffic during construction. Mr. Helminger also computed quantities, developed cost estimates, and participated in all design workshops, plan reviews, and quantity and cost reconciliation meetings as part of the CMAR process.
(01/20-08/21)	**Belle Chasse Bridge & Tunnel Replacement Project - S.P. H.004791 –** Mr. Helminger performed the roadway plan review on the Belle Chasse P3 project. The project review consists of overall geometric layout (horizontal and vertical), overall design compatibility between various disciplines of engineering, and plan set review per the project QA/QC process. Additionally, Mr. Helminger reviewed the temporary traffic control plans and signing/pavement marking plans.
(11/19-06/20)	**I-10 and I-12 College Dr. Flyover Ramp Design-Build Project RFP Phase 30% Design - S.P. H.013897 –** Prepared plans and proposal documents for the RFP phase of the project. Analyzed numerous geometric layouts and cross sections along the I-10/I-12 corridor to develop a flyover concept which fit within the existing right-of-way while complying with project requirements. Designed typical sections, sequence of construction, guardrail, concrete barriers, MSE walls, sound barrier layout, drainage, and computed road quantities. Performed the role of Assistant Design Manager by conducting weekly meetings and coordinating the design team and contractor to develop plans, quantities, and proposal documents.
(01/19-05/19)	**I-10 Loyola Design-Build Project RFP Phase 30% Design - S.P. H.011670 –** Assisted in the preparation of plans and proposal documents for the RFP phase of the project. Assisted in development of alternative technical concepts, created roadway typical sections, assisted in roadway geometric design, suggested sequence of construction, and roadway quantities. Assisted in the coordination and organization of all project data with the design team.
(10/18-12/22)	**I-220/I-20 Interchange Imp. & BAFB Access Design-Build Project – S.P. H.003370 –** Mr. Helminger served as a road design engineer for this design build project. Some of the task performed include creating typical sections, design/layout of guardrail, pier protection and roadway barrier, calculated roadway quantities, performed preliminary bridge design calculations and assisted with coordination of the design team.
(05/13-07/18)	**I-49 South: Ambassador Caffery & U.S. 90 Interchange - S.P. H.002868 –** Prepared roadway plan profiles, typical sections, barrier details, pavement marking details, embankment widening and guardrail details, suggested sequence of construction, MSE wall layout and details, quantity tables, and all bridge plans for the 2 mile stretch of urban freeway in Lafayette Parish. Assisted in drainage design and vertical alignment of roadways. Performed all bridge design calculations including deck design, girder design, column bent and pile bent design, footings, columns, pile loads. Calculated all riser and bent elevations. Assisted in the coordination and organization of subconsultants.

Firm employed by **Huval and Associates, Inc.**			
Name	**Glenn McCall, P.E.**	Years of experience with this firm/employer	5
Title	Civil Engineer	Years of experience with other firm(s)/employer(s)	22
Degree(s) / Years / Specialization		Bachelor of Science Civil Engineering / Structural, 05/97 Bachelor of Science Agricultural Engineering, 05/96	
Active registration number / state / expiration date		29639 / LA / 09-30-2025	
Year registered	2001	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Roadway Design**	

Mr. McCall has over 27 years of experience working on a wide variety of projects. His expertise is primarily in the geometric and drainage aspects of transportation projects. Additionally, he has significant experience in specialty structural engineering projects across various industries. Mr. McCall began his interstate design experience working on projects for the Texas Department of Transportation (TXDOT) with a national firm in their bridge design section. Upon returning to Louisiana, he worked on alternative delivery projects such as Public-Private Partnerships (P3), Construction Manager-at-Risk (CMAR), and Design-Build.

In addition to alternative delivery projects, Mr. McCall has managed multiple Design-Bid-Build contracts, Retainer Contracts, Stage 0 studies, Off-System Bridge projects, and Urban System projects for the Louisiana Department of Transportation and Development (LA DOTD). He has also designed, managed, or served as Quality Control Manager for several major road projects for private clients requiring permits through LA DOTD, the Lafayette Consolidated Government, and the Calcasieu Parish Police Jury.

In response to public demand for accelerated infrastructure project completion, LA DOTD has implemented alternative delivery methods. Mr. McCall has embraced this vision and actively supports LA DOTD's project delivery goals. Over the past ten-plus years, his focus has been on alternative delivery projects for LA DOTD. His extensive design experience throughout his career complements the duties required of a Roadway Design Engineer for the Roadway Design Retainer Contract. Mr. McCall's training includes certifications as an American Traffic Safety Services Association (ATSSA) Traffic Control Technician and Traffic Control Supervisor.

(02/22–Present)	**I-10 Calcasieu River Bridge; Public Private Partnership, S.P. H.003931 –** Mr. McCall is serving as the Drainage and Maintenance of Traffic Design lead this $2.3B P3 project which will construct a new toll bridge over the Calcasieu River as well as provide a 6 lane Interstate Roadway for approximately 5.5 miles through the City of Lake Charles as well as construct an additional 14 bridges within the project corridor. As part of his duties Mr. McCall is coordinating the drainage design efforts of the entire corridor with the three other design joint venture member firms as well as coordinating the Sequencing of Construction and Maintenance of Traffic for all phases of construction for the entire corridor.

(06/19-Present)	**Belle Chasse Bridge & Tunnel Replacement Project, S.P. H.004791 –** Mr. McCall is serving as a senior design engineer on this P3 project which will construct a new toll bridge over the Gulf Intercoastal Waterway (GIWW). Mr. McCall has assisted with the completion of alternate technical concept No. 1 which will improves the efficiency of all intersections within the construction limits. In addition, Mr. McCall has worked as a senior engineer reviewing geometric design and layout, coordination of right of way and utility work and quality checks on hydraulic analysis and subsurface drainage. In addition to the design duties, Mr. McCall has also assisted with the project management activities including the management of sub-consultants, invoicing, and progress reports, as well as design quality checks and adherence to the requirements of the Form DR Process.
(06/21-Present)	**I-10: LA 415 to Essen Lane on I-10 and I-12 CMAR, S.P. H004100 -** As a Senior Roadway Engineer on the project, Mr. McCall provided project oversight, quality control checks and technical direction to the design staff for the roadway and drainage design for the section of the project from City Park Lakes to Acadian Throughway. Mr. McCall was also responsible for the design of a new utility duct bank within the congested urban corridor which provided dedicated conduit banks for the relocation of LA DOTD and ATT fiber optic infrastructure. This relocation required close coordination with the road and bridge design solutions along the corridor to ensure future conflicts were mitigated.
(06/16-Present)	**I-49 South @ Verot School Road, S.P. H.011235.5 –** Mr. McCall serves as a senior engineer for the road and drainage design portion of this project encompassing the Verot School Rd. improvements as well as the parallel service road. As part of his work, Mr. McCall has assisted with the development of the temporary traffic control plans. In addition to the roadway aspects, Mr. McCall also provided the customized drainage design for the scuppers on the bridge structures. Mr. McCall also created a SWMM model of the existing and proposed conditions which will be used to meet the requirements of the railroad owner adjacent to the project. This model is a hydrodynamic model with evaluates water surface elevations at time step intervals for the 100-year storm event while also dynamically modeling the water surface elevation of the outfall channel.
(04/23-Present)	**I-20 over UPRR, S.P. H.012027 –** Mr. McCall serves as a senior engineer for the road design portion of this project which is providing a design solution to replace the existing bridge crossing the UPRR Mainline. As part of his work, Mr. McCall has assisted with the development of alternative analysis and decision matrix for the optimal solution. Mr. McCall also assisted in the development of the suggested sequence of construction for each alternative and quantity estimates.
(06/19-12/22)	**I-220/I-20 Interchange IMP & BAFB Access Design-Build Project, S.P. H.003370 –** Mr. McCall is serving as a senior design engineer on this design build project which will provide direct access to Barksdale Air Force Base. Most recently, Mr. McCall has assisted with the sequence of construction plans and geometric layout for the proposed improvements to the I-220 to I-20 SB/WB ramp. This modification to the original intent seeks to provide phased construction of this ramp while maintaining full access to I-20. Mr. McCall is also assisting with project management duties and financial controls for Huval and its sub-consultants. In addition, Mr. McCall has completed the design of the box culvert location, coordinated with the electrical sub-consultant on the lighting inventory report and layout as well as assist the Project Manager with various aspects of the project management duties required for this project.

Firm employed by **Huval and Associates, Inc.**			
Name	**Michelle Helminger, P.E.**	Years of experience with this firm/employer	9
Title	Civil Engineer	Years of experience with other firm(s)/employer(s)	0
Degree(s) / Years / Specialization		08/2010-05/2014, Bachelor of Science Civil Engineering	
Active registration number / state / expiration date		43123 / LA / 03-31-2025	
Year registered	2018	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Roadway Design**	

Mrs. Helminger joined Huval & Associates following her graduation from the University of Louisiana at Lafayette in 2014. During her time with HUVAL, she has been involved in roadway geometric design, traffic control and maintenance of traffic (MOT) design, structural design, plan preparation, and construction support services.

Mrs. Helminger has also performed a variety of services for Louisiana Department of Transportation and Development (LADOTD) bridge rehabilitation projects, including the S.P. 700-99-0559 Retainer Contract for the Bridge Preventive Maintenance Program (BRPM), the S.P. 4400002537 Retainer Contract for Engineering Services for Bridge Preservation, and several other Retainer Contracts. In addition to typical LADOTD Design-Bid-Build projects, she has participated in many of LADOTD's alternative delivery projects.

(06/19-Present)	**Belle Chasse Bridge & Tunnel Replacement Project, S.P. H.004791 –** Mrs. Helminger is serving as a design engineer on this P3 project which will construct a new toll bridge over the Gulf Intercoastal Waterway (GIWW). Mrs. Helminger provided design on this project from the initial bid phase to present. Mrs. Helminger served as the primary roadway engineer and the primary point of contact for subconsultants including coordination of lighting, drainage, traffic signals, and MSE walls. Mrs. Helminger developed the overall geometric layout which dictated the available MOT options required to maintain two-lanes of traffic in each direction for the duration of construction. Detailed traffic control plans were developed by Mrs. Helminger to support the construction phasing. Coordination efforts also include utility relocations & ROW acquisition services.
(06/16-Present)	**I-49 South-Verot School Road Interchange - S.P. H.011235 -** Assisted in roadway geometric design including traffic control analysis and plan preparation while also assisting with bridge design and construction phasing. Project management tasks included coordination with subconsultants, LADOTD meetings to present design options, and coordination with LADOTD on response to comments received on plan submittals. Mrs. Helminger has assisted with the study phase of the project, Preliminary Plans and will continue to provide design support through the Final Plans phase of this project.
(01/15-07/18)	**I-49 South-US 90 Albertson Pkwy to Ambassador Design Build - S.P. H.010620 –** Prepared MSE wall layout, site grading, shop drawing reviews and construction services pertaining to demolition.
(10/16-12/17)	**LA 443: Tangipahoa River Bridge Replacement, S.P. H.012728 –** Mrs. Helminger supported the roadway & drainage design efforts for this bridge replacement project. Design tasks included roadway plans, channel grading plans, and detour layout. This was an emergency replacement, due to the flood of 2016, and 100% final plans were completed in 8 weeks.

(11/15-05/16)	**Replacement of Lemon Road Bridge over Redwood Creek, Baton Rouge Parish** – Performed geometric design to accommodate new bridge structure based upon minimum low chord requirements. Created typical roadway sections, performed guardrail design, and created cross sections. Created channel grading layout and created cross sections for the channel. Assisted in roadway plan preparation.
(02/15-12/16)	**US 90 Pearl River Bridges Environmental Assessment - S.P. H.000284.2 –** Performed tasks pertaining to bridge design in order to perform Stage 1 Environmental related services for the two moveable bridges included in the project. Analyzed multiple vertical alignments for various bridge types as well as performed preliminary cost estimates. Created various meeting exhibits for public meetings. Special consideration was required due to the historical nature of the structures.
(04/16-11/17)	**District 05 Bridge Repairs – Bearing Rehab., Deck Joint and Concrete Spall Repairs, & Cleaning & Painting Steel, S.P. H.011766.5** Mrs. Helminger assisted with rehabilitation plans produced. These consisted of bridge deck joint repairs, concrete spall repairs, bridge deck overlays, bearing rehabilitation, cleaning & painting steel girders, and all associated traffic control plans yielding a construction cost of $11M. The bearing rehabilitation consisted of replacing over 700 existing steel fixed/expansion bearing assemblies with a retrofitted bevel sole plate and reinforced elastomeric bearing pad.

Firm employed by **Huval and Associates, Inc.**			
Name	**Robert Schmidt, P.E., PTOE**	Years of experience with this firm/employer	7
Title	Engineering Manager	Years of experience with other firm(s)/employer(s)	35
Degree(s) / Years / Specialization		B.S., Civil Engineering – LSU, 1982	
Active registration number / state / expiration date		22837 / LA / 09/30/2025	
Year registered	1987	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Roadway Design**	

Mr. Schmidt is a Senior Manager at Huval & Associates. Prior to this role, he served as Practice Leader for international engineering firms in Louisiana and the Gulf Coast area. With 42 years of broad transportation experience in New Orleans, Baton Rouge, and across the nation, he has focused on some of the most challenging projects in the industry.

Mr. Schmidt has led all aspects of transportation, including program management and administration, planning, traffic engineering, design, construction, and operations. He has managed numerous alternative delivery projects, such as Design-Build and Construction Manager at Risk (CMAR). Throughout his career, he has dedicated himself to providing credible, high-quality, innovative solutions to Louisiana's transportation system and other systems across the country.

(01/20 – Present)	**Louisiana DOTD, I-10 CMAR Project (Reconstruction and Widening) LA 415 to Essen Lane on I-10 and I-12, WBR and EBR Parishes, Louisiana –** Mr. Schmidt is HUVAL's project manager and principal in responsible charge of design on its $2.0 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 3 lanes of traffic flow on I-10 through the construction zone. Schmidt is responsible for all aspects of the design team including preparation of plans for 7 construction contracts to cover Segment 1 of the corridor. Services include extensive traffic studies to provide for Maintenance of Traffic through the construction zone during construction as well as numerous context sensitive design and aesthetic treatments through the corridor. 2020 – ongoing.
(1/18-Present)	**Louisiana DOTD, New Belle Chasse Bridge P3 Project - S.P. H.004791** – Mr. Schmidt is the Design Manager for the new $150 million Belle Chasse bridge and urban roadway approaches, including a new access management interchange between LA 23 and Engineers Road. In this role he is responsible for all design work performed on the project including road, bridge, geotechnical, traffic engineering, and other disciplines. The project is currently 50% through the design phase.
(1/20-Present)	**Louisiana DOTD, Comite Diversion Canal Highway and Railroad Bridges CMAR, Caddo Parish, Louisiana - S.P. H. 001352.5 and H. 002273.5** – Mr. Schmidt is serving as the CMAR liaison for the CMAR Preconstruction Phase of this $50 million project to build new highway bridges on LA 19 and LA 67 over the new Comite River Diversion Canal. The project also includes design of a new railroad bridge over the new canal parallel to LA 19. Detour roadways, railroad shooflys, utility coordination are also a part of the project.

(01/22 – Present)	**City-Parish of Baton Rouge/E. Baton Rouge, US 61 Airline Highway North, Baton Rouge, Louisiana** – Mr. Schmidt is HUVAL's Project Manager leading the Traffic Engineering, NEPA studies, and Roadway Design for the 5.8 miles section of Airline Highway in East Baton Rouge Parish. The project includes upgrading the road from 4 to 6 lanes including access management and superstreet design features. 2022 – ongoing.
(02/22 – Present)	**Louisiana DOTD, I-10 Calcasieu P3 Project, Lake Charles, Louisiana –** Mr. Schmidt is HUVAL's Project Director and Roadway Design Key Personnel for the preliminary design phase of the $2.3 billion I-10 P3 reconstruction project in urban Lake Charles. The project is being delivered by alternative delivery including toll financing. Services include traffic engineering, bridge design, road design, and related activities. Alternative technical concepts have been developed by HUVAL saving approximately $100 million in project cost, helping to make the project financially solvent.
(10/18 – 12/20)	**Louisiana DOTD, I-220 Barksdale Airforce Base Interchange Design-Build, Caddo Parish, Louisiana –** Mr. Schmidt assisted in project design and development during the proposal phase and is currently serving as the Traffic Control Supervisor key personnel role during the construction phase of this $72 million design-build project..
(1/18-6/20)	**GNOEC Safety Bay Improvement CMAR (Program and Project Management Services).** Since January 2018 Mr. Schmidt has served as Program Manager on behalf of the GNOEC, working with the General Manager plus Financial and Operations staff, for the $55 million Safety Bay project on the 25-mile Causeway Bridge over Lake Pontchartrain. In January 2019 the $40 million Safety Rail project was added under Mr. Schmidt's management. The Safety Bay project, providing 12 bays 16' wide by 1008' long, is the first Construction Manager At Risk (CMAR) highway project in Louisiana. In his role, Mr. Schmidt led the Project Team, including Owner, Designer, Contractor, and ICE through all steps of scoping, procurement, pre-construction design, scheduling, specifications, and construction. This included development of a Guaranteed Maximum Price, an accelerated project schedule (design 6 months and construction15 months), and a unique maintenance of traffic plan to maintain safety such that the existing bridges could be widened under traffic without reducing the number of lanes or narrowing and shifting the lanes. A Segmented CMAR approach was utilized so that advance construction packages including an Advance Pile Program and Advance Pile Order were implemented as well as the final CMAR package and GMP. Construction began December 2018. Mr. Schmidt is currently serving in a Principal role for Huval as Owner's Representative for the construction phase of both projects.
(11/18-5/19)	**I-10 Loyola Design-Build Project RFP Phase 30% Design - S.P. H.011670 –** Design Manager for 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.

Firm employed by **Huval and Associates, Inc.**			
Name	**Justin Peltier, P.E.**	Years of experience with this firm/employer	11
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	2009	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Lead Bridge Design**	

Mr. Peltier joined Huval & Associates in 2013 with eight years of experience in civil engineering. Previously employed with the Louisiana Department of Transportation and Development (LADOTD), he was involved in the design, live load rating, plan development, and construction support of more than 20 bridge replacement projects. These projects included various superstructure and substructure types such as AASHTO prestressed precast concrete (p.p.c.) girders, quad beams, 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 also assisted in developing and maintaining LADOTD's highway safety hardware details and specifications, including but not limited to guardrails, barrier rails, 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 National Highway Institute (NHI) Load and Resistance Factor Rating (LRFR) for Highway Bridge Superstructures Course, the NHI AASHTO Load and Resistance Factor Design (LRFD) for Highway Bridge Superstructures Course, the NHI AASHTO LRFD for Highway Bridge Substructures Course, the Roadside Design Course, and the American Traffic Safety Services Association (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** – Lead bridge engineer and overall Structures Team lead/manager 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**. Bridge design manager and 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 Overpss bridge to increase the vertical clearance above I-20 once the inside widening is complete.

(04/18 -Present)	**I-49 South at Verot School Road, Lafayette, LA, S.P. H.011235, 2016-Present**. Bridge design manager and 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).
(09/19-Present)	**Airport Connector Road and Bridge, Lafourche Parish, S.P. No. H.011915.** Served as the lead bridge design and load rating engineer for a new lift span movable bridge over Bayou Lafourche in Galliano, LA. The bridge required a minimum horizontal and vertical clearance of 70ft and 73ft and a clear roadway width of 42ft with 5ft sidewalks on each side. The project presented unique challenges in that the horizontal clearance is skewed with respect to the bridge alignment and the mean high-water level is approximately 1ft below the existing ground at LA 1 and LA 308. The design included steel lifting girders, steel floor beams and stringers, concrete towers, footings, piers and machinery decks. The design was performed in accordance with the AASHTO LRFD Movable Bridge Design Specifications the LADOTD BDEM. Also responsible for the design of the concrete approach slab spans.
(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.
(03/19-04/23)	**I-220/I-20 Interchange IMP & Barksdale Access Design-Build Project, Bossier Parish, LA DOTD S.P. No. H.003370.** 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.

Firm employed by **Huval and Associates, Inc.**			
Name	**Reid Romero, P.E.**	Years of experience with this firm/employer	15
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, Construction Support**	

Mr. Romero joined Huval & Associates, Inc. after graduating from the University of Louisiana at Lafayette in 2008. Since then, he has been involved in bridge and structural design, plan preparation, bridge inspections, and construction support services. Mr. Romero has completed several National Highway Institute (NHI) training courses, including the *Fundamentals of Load and Resistance Factor Rating (LRFR) and Applications of LRFR for Bridge Superstructures* course and a *Drilled Shaft Load and Resistance Factor Design (LRFD) Methods and Construction Procedures* course. He is well-versed in the Louisiana Department of Transportation and Development (LADOTD) Bridge Design Manual, LADOTD LRFD Bridge Design Manual, 2002 AASHTO Bridge Specifications, and the current AASHTO LRFD Bridge Specifications.

(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.
(9/22 – Present)	**Retainer for Engineering Services for Bridge Preservation - Statewide, Contract No. 4400023923** - Lead Engineer of Retainer Contract. Responsible for coordination, project setup, QA/QC, and bridge design for the $7M retainer.
(03/23-Present)	**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.
(01/22-Present)	**I-10 Calcasieu River Bridge Public-Private Partnership, Calcasieu Parish S.P. H.003931–** Bridge Design Engineer for the PPG Drive overpass. As part of an approved ATC, the existing I-10 eastbound and westbound bridges over PPG Drive will be widened and rehabilitated instead of replaced, as the line and grade concept originally identified. The existing bridges consist of AASHTO prestressed concrete girder superstructures supported by column-bent foundations. The two spans over the railroad contain steel beams that are non-composite. The westbound structure will be widened to the outside and the eastbound structure will be widened to the inside. An off-ramp will also be constructed on the outside of the eastbound structure. The newly widened/constructed sections of the bridge will match the superstructure and substructure of the existing bridges.
(10/19 - 02/24)	**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. Designed, detailed, and sealed final plans, specifications, calculations, load rating and cost estimates for all structural elements.

(04/18 – 05/23)	**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.
(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 LG-78 p.p.c. girders supported by concrete column bents and drilled shafts.
(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.
(07/17 - 08/20)	**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.
(08/19 - 06/21)	**N. 16th St. Bridge Replacement, Rapides, LA, S.P. No. H.014167** – Lead structural engineer for the bridge design and plan development of a new slab span bridge over Bayou Rapides. 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.

Firm employed by **Huval and Associates, Inc.**			
Name	**Colby J Guidry, P.E.**	Years of experience with this firm/employer	17.5
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 / 09-30-2026	
Year registered	2004	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Bridge Design, Ratings, Construction Support**	

Mr. Guidry joined Huval & Associates with seven years of experience at the Federal Highway Administration (FHWA). His experience at FHWA encompassed all aspects of transportation-related projects, where he was actively involved in the environmental review, design, construction, and maintenance of bridges and roadways throughout Louisiana. Since joining HUVAL, he has participated in bridge and structural design, plan preparation, bridge inspections, and construction management/support services.

Mr. Guidry has completed a two-week FHWA-approved comprehensive bridge training course for bridge inspectors and is certified as a Bridge Inspection Team Leader. He has also completed the National Highway Institute (NHI) Load and Resistance Factor Rating (LRFR) for Superstructures Course, the Work Zone Traffic Control Technician and Supervisor Courses, American Traffic Safety Services Association (ATSSA) Flagger Training, the NHI Design and Operation of Work Zone Traffic Control Course, the Roadside Design Course, the NHI Highway Hydraulics Course, the NHI Urban Drainage Design Course, and many other construction and environmental-related courses. He is very familiar with the Louisiana Department of Transportation and Development (LADOTD) Bridge Design Manuals, the 2002 AASHTO Bridge Specifications, and the current AASHTO LRFD Bridge Specifications.

Mr. Guidry manages the Bridge Construction Program for St. Martin Parish and performs this role for numerous other municipalities and private clients.

(01/08-Present)	**Public and Private Bridge Load Ratings – Statewide –** Lead Rating Engineer for bridges all 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.
(1/23 – Present)	**Stuller Bridge – Private Bridge – St. Martin Parish** – Design and Construction Manager for the design, load rating, plan development, and Construction Management of a multi-span Quad beam bridge for a private owner. The bridge design and construction involves concrete piles, concrete caps, prestressed concrete beams, concrete barrier rails, steel sheet piles, and other miscellaneous work.
(1/19-2/24)	**Herman Dupuis Swing Span Bridge (Movable) – St. Martin Parish** – Project Manager for the design, load rating, plan development, and Construction Oversight 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. Construction support and oversight were provided throughout construction.

(10/10-01/22)	**Butte LaRose Pontoon Repairs (Movable) – St. Martin Parish** – Lead Engineer for the design, Load Rating, and Construction Management 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.
(4/18 – 4/23)	**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.
(12/20-06/21)	**Ascension Parish 26 Bridge Ratings –** Inspected, gathered documentation, rated, and 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.
(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.
(01/13-11/15)	**Tappan Zee Bridge, NY Thruway Authority (Construction Support)–** Project Manager/design engineer for design of precast tower and anchor pier slabs, pile templates, work platforms, and other systems. Also assisted in the design of temporary fender systems designed to protect the construction area from ice, wave, and ship impacts.
(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. Also performed Construction Oversight for LADOTD during the entire construction process.

Firm employed by	**NTB Associates, Inc.**			
Name	**Bryan T. Bunch**		Years of relevant experience with this employer	**15.5**
Title	Executive Vice President		Years of relevant experience with other employer(s)	15
Degree(s) / Years / Specialization			B.S. / 1988 / Survey and Land Information Systems, University of Arkansas	
Active registration number / state / expiration date			5014 / Louisiana / 03/31/2026	
Year registered	2009	Discipline	Professional Surveyor	
Contract role(s) / brief description of responsibilities			**Mr. Bryan Bunch, PLS** will serve as **NTBA Project Manager** for **topographic surveying services** during this contract. Bryan will manage survey crews, processing, drafting, and submittals. **Bryan satisfies MPR No. 4 per the advertisement.**	

12/17 – 09/24	**LaDOTD I-10: LA 415 to Essen Lane on I-10 and I-12, West & East Baton Rouge Parishes, LA (44-12323, 44-17713, 44-14660 - Multiple TOs) Survey Project Manager** directed field crews, file processing, drafting, and submittals for **topographic surveys,** QL B, C, and D subsurface utility designating, and surveys in support of QL B, C, and D subsurface utility designating for approximately 13 miles of roadway. **NTBA** is currently performing **topographic surveys** near the I-10 and I-110 interchange for three additional areas.
01/23 – 09/24	**LaDOTD Jimmie Davis Bridge (LA 511) Design-Build, Bossier & Caddo Parishes, LA (H.001779) Survey Project Manager** directing field crews, file processing, drafting, and submittals for Static GPS Control surveys, **topographic surveys, property surveys, title take-offs, description preparations, preliminary and final right-of-way mapping,** QL A, B, C, & D utility designating/locating, and utility coordination services for the design-build project to replace the Jimmy Davis Bridge across the Red River.
09/20 – 09/24	**LaDOTD Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (4400019337) Survey Project Manager** directing field crews, file processing, drafting, and submittals for Static GPS Control surveys, **topographic surveys, property surveys, title take-offs, description preparations, preliminary and final right-of-way mapping**, and QL C & D subsurface utility services for 34 bridge and culvert replacements as a sub-consultant to BKI.
09/20 – 09/24	**LaDOTD Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (4400019338) Survey Project Manager** directing field crews, file processing, drafting, and submittals for Static GPS Control surveys, **topographic surveys, property surveys, title take-offs, description preparations, preliminary and final right-of-way mapping**, and QL C & D subsurface utility services for 21 bridge and culvert replacements as a sub-consultant to Waggoner.
07/23 – 09/24	**LaDOTD IIJA Off-System Bridge Program, District 62 (4400025041) Quality Control Surveyor** assisting in staffing, coordination, and QA/QC for Static GPS control surveys, **topographic surveys, property surveys, title take-offs, legal description preparation, and preliminary and final right-of-way mapping** in support of bridge replacements.
08/22 – 09/24	**CenterPoint Surveying Services, Various Parishes, LA (Various Agency Proj. Nos.) Quality Control Surveyor** assisting in staffing, coordination, and QA/QC for **topographic surveys, property surveys, title takeoffs, boundary and right-of-way calculations, CADD drawings, and plats** for maintenance and construction projects.
04/22 – 04/23	**LaDOTD Monkhouse to I-49, Caddo Parish, LA (4400017713) Survey Project Manager** directing field crews, file processing, drafting, and submittals for Static GPS Control, **topographic surveys** utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, QL C & D subsurface utility services, drainage map preparation, and Mobile Laser Scanning for interstate rehabilitation.
03/21 – 03/22	**City-Parish Ward Creek at Siegen Lane, East Baton Rouge Parish, LA (22-DR-US-0013) Survey Project Manager** managed field crews and technicians for control, **topographic, and property surveys** along with QL B, C, and D subsurface utility designating services for approximately 1,500 feet of Ward Creek.

01/20 – 03/21	**UPRR Big Sandy Siding Survey, Upshur and Wood Counties, TX (29543/90502) Assistant Project Manager** assisted in the management of field crews and technicians for **property surveying services** for 15 parcels along railroad consisting of approximately 3.24 miles of track to establish the existing railroad right-of-way. 8 ALTA Surveys were prepared along with the privately owned **parcels for acquisition**, 0.25 acre **acquisition parcel in the right-of-way, and an overall right-of-way strip map.**
05/15 – 12/20	**City of Bossier, Walter O. Bigby Carriageway (N. Pkwy Ext.) Bossier Parish, LA (City Proj. No. 8-15) Quality Control Surveyor** supervised south LA field crews and technicians for Static GPS Control surveys, **topographic, property,** and hydrographic surveying services, and QL A, B, C, and D subsurface utility designation/locating.
11/15 – 05/17	**Bossier Parish Police Jury, Winfield Road Extension, East/West (LA 3 to Airline Highway) Bossier Parish, LA (DEC 15-11-03) Quality Control Surveyor** assisted in staffing, coordination, and QA/QC for control surveys, **topographic surveys, property surveys, right-of-way mapping,** QL D subsurface utility services, and drainage map preparation as a sub to Denmon (Volkert).
05/13 – 10/15	**Bossier Parish Police Jury, Kingston Road Improvements and Development, Bossier Parish, LA (Agency Proj. No. Unknown) Quality Control Surveyor** assisted in staffing, coordination, and QA/QC for **topographic surveys, property surveys, final right-of-way mapping,** and drainage map preparation for the use in engineering plan and specifications.
04/15 – 09/15	**LaDOTD LA 3094: Hearne Ave. Bridge Rehab, Route LA 3094, Caddo Parish, LA (4400001798 & H.011094.5) Quality Control Surveyor** assisted in staffing, coordination, and QA/QC for **topographic surveying services**, HDS 3D Terrestrial Laser Scanning, drainage map preparation, and QL B subsurface utility designating for bridge rehabilitation.
02/14 – 03/15	**LaDOTD Earhart Expressway Extension to US 61, Route LA 3139, Jefferson Parish, LA (H.004367.5) Project Manager** directed survey crews, file processing, drafting, and submittals for **topographic surveying services** utilizing HDS 3D Terrestrial Laser Scanning methods of data collection for an overpass connection, relocation of existing lanes, and construction of additional lanes as a sub-consultant to AECOM.
07/12 – 01/14	**LaDOTD I-10 Loyola Ave. to Williams Blvd., Jefferson Parish, LA (H.003074.5 & H.009087.5) Project Manager** directed survey crews, file processing, drafting, and submittals for **topographic surveying services** utilizing HDS 3D Terrestrial Laser Scanning methods of data collection for interstate rehabilitation as a sub-consultant to GEC, Inc.
07/12 – 06/13	**LaDOTD I-10 Williams Blvd. to Veterans Blvd., Jefferson Parish, LA (H.003074.5 & H.009087.5) Project Manager** directed survey crews, file processing, drafting, and submittals for **topographic surveying services** utilizing HDS 3D Terrestrial Laser Scanning methods of data collection for interstate rehabilitation as a sub-consultant to GEC, Inc.
07/10 – 10/12	**LaDOTD LA 42 Widening and Improvements District 61, Ascension Parish, LA (700-03-0125 & 701-65-1538) Project Surveyor** directed **topographic and property surveys and title work** to locate all existing structures within 50 feet of proposed **right-of-way**. Bryan also managed the **preparation of right-of-way acquisition maps for 165 parcels.**
01/12 – 04/12	**LaDOTD I-12 Walker to Satsuma, Livingston Parish, LA (4400001798 & H.009836.5) Project Surveyor** assisted in the supervision of survey crews, file processing, drafting, and submittals for **topographic surveying services** for interstate rehabilitation.
05/11 – 11/11	**LaDOTD Goose Bayou Bridge Replacement, Route LA 45, Jefferson Parish, LA (4400000681 & H.002230) Project Surveyor** directed **property surveys, title research, and the preparation of base and final right-of-way mapping.**
03/10 – 10/11	**US 61 Hemlock Drive Intersection – St. John the Baptist Parish, LA (Agency Proj. No. 76716-00) Project Surveyor** directed **topographic and property surveys and the preparation of right-of-way maps** for use as basis for engineering design for a new 4-lane divided state highway as a sub-consultant to Buchart Horn.
02/11 – 08/11	**LaDOTD I-20 Rehabilitation Westerfield Avenue to Industrial Drive, District 04, Bossier Parish, LA (H.003860.5 & 700-99-0525) Project Surveyor** assisted in the supervision of south LA survey crews, file processing, drafting, and submittals for **topographic surveying services** for interstate rehabilitation.
11/09 – 07/11	**O'Neal Lane, Jct. 1-12 to US 190, East Baton Rouge Parish, LA (817-41-0008 & 744-17-0038) Surveyor-in-Charge** of setting 67 **right-of-way monuments and producing monumentation maps** for filing as a sub consultant to James Construction Group.

Firm employed by	**NTB Associates, Inc.**			
Name	**Patrick C. Staiano**		Years of relevant experience with this employer	**4**
Title	**Staff Surveyor**		Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization			B.S. / 2008 / Construction Management, Louisiana State University / ATSSA TCS	
Active registration number / state / expiration date			5130 / Louisiana / 09/30/2025	
Year registered	2015	Discipline	Professional Surveyor	
Contract role(s) / brief description of responsibilities			**Mr. Patrick Staiano, PLS** will serve as **NTBA Project Manager for property surveying services, right-of-way mapping, and title take-offs** during this contract. He will manage field crews, data processing, drafting, review and certification of maps and surveys, and submittals.	

01/23 – 09/24	**LaDOTD Jimmie Davis Bridge (LA 511) Design-Build, Bossier & Caddo Parishes, LA (H.001779) Assistant Project Manager** assisting in the management of field crews and technicians for Static GPS control surveys, **topographic surveys, property surveys, title take-offs, legal description preparation, and preliminary and final right-of-way mapping** for the design-build project to replace the Jimmy Davis Bridge across the Red River as a sub-consultant to James Construction.
07/23 – 09/24	**LaDOTD IIJA Off-System Bridge Program, District 62 (4400025041) Project Manager** managing field crews and technicians for Static GPS control surveys, **topographic surveys, property surveys, title take-offs, legal description preparation, and preliminary and final right-of-way mapping** in support of bridge replacements.
09/22 – 09/24	**LaDOTD Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (4400019337) Assistant Project Manager** assisting in the management of field crews and technicians for Static GPS control surveys, **topographic surveys, property surveys, title take-offs, legal description preparations, and preliminary and final right-of-way mapping** for 34 bridge and culvert replacements including surveying all sub-surface drainage structures as a sub-consultant to BKI.
09/22 – 09/24	**LaDOTD Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (4400019338) Assistant Project Manager** assisting in the management of field crews and technicians for Static GPS control surveys, **topographic surveys, property surveys, title take-offs, legal description preparations, and preliminary and final right-of-way mapping** for 21 bridge and culvert replacements including surveying all sub-surface drainage structures as a sub-consultant to Waggoner.
09/22 – 09/24	**CenterPoint Surveying Services, Various Parishes, LA (Various Agency Proj. Nos.) Assistant Project Manager** assisting in the management of field crews and technicians for **topographic surveys, property surveying services, title research, title take-offs, boundary and right-of-way calculations**, and reviews of CADD drawings and plats for maintenance and construction projects.
09/22 – 09/24 **03/18 – 02/21**	**Apache Corporation, Infrastructure Improvements, Permian Basin, Reeves Counties, TX (Agency Proj. Nos. Unknown) Project Manager** managing **property surveying services and right-of-way acquisition mapping** for approximately 84 miles of infrastructure improvements. Patrick has prepared approximately 131 **property acquisition plats** for this project.
09/22 – 09/24 **03/18 – 02/21**	**Targa Pipeline, Natural Gas Gathering System, Howard and Martin Counties, TX (Agency Proj. Nos. Unknown) Quality Control Surveyor** reviewing drafting and **property acquisition plats** as well as assisting with management of **property surveying services.** Patrick has prepared approximately 250 **property acquisition plats** for this project.
03/21 – 08/22	**MOVEBR Jefferson Hwy. at Bluebonnet Intersection Improvements, LA (City Parish No. 20-CP-HC-0046) Project Manager** managed field crews and technicians for **topographic surveys, property surveys, and right-of-way mapping.**
03/20 – 02/21	**UPRR Big Sandy Siding Survey, Upshur and Wood Counties, TX (29543/90502) Assistant Project Manager** performed **property surveying services** for 15 parcels along railroad consisting of approximately 3.24 miles of track to establish the existing railroad **right-of-way.** Prepared 8 ALTA Surveys along with the privately owned **parcels for acquisition**, 0.25 acre **acquisition parcel in the right-of-way, and an overall right-of-way strip map.**

09/19 – 02/20	**DCP Midstream, MaBee Ranch Line Locates, Martin and Andrews Counties, TX (19-056-001) Project Manager** managed **property surveying services** in support of **property acquisition services** for 32 individual pipelines totaling approximately 22 miles.
03/18 – 10/18	**Rogillio Resubdivision, East Baton Rouge & East Feliciana Parishes, LA (Agency Proj. No. Unknown) Assistant Project Manager** performed **title take-offs, boundary, and right-of-way calculations**, and reviewing CADD drawings and plats for resubdivision services for 93 acres.
04/17 – 03/18	**LaDOTD LA 653 Bayou Dumar Bridge Replacement, Lafourche Parish, LA (H.008118)** Under the supervision of Robert H. Brooks, III, PLS and Max O. Usrey, III, PLS, Patrick performed **property surveys, prepared title work info, and right-of-way maps** for a +/-0.5 mile project.
01/17 – 03/18	**LaDOTD LA 450 Stoney Point Bridge Replacement, Washington Parish, LA (Proj. No. Unknown)** Under the supervision of Robert H. Brooks, III, PLS and Max O. Usrey, III, PLS, Patrick performed **property surveys and prepared title work info and right-of-way maps** for a +/-0.25 mile project.
09/17 – 01/18	**LaDOTD LA 1026: Roundabout at Buddy Ellis Rd., Livingston Parish, LA (H.011824)** Under the supervision of Robert H. Brooks, III, PLS and Max O. Usrey, III, PLS, Patrick performed **property surveys, prepared title work info, and right-of-way maps** for a +/-0.3 mile project.
10/17 – 12/17	**LaDOTD US 190B Jefferson Ave. Roundabout Covington, St. Tammany Parish, LA (H.011260)** Under the supervision of Robert H. Brooks, III, PLS and Max O. Usrey, III, PLS, Patrick performed **property surveys, prepared title work info, and right-of-way maps** for a +/-0.1 mile project.
06/17 – 10/17	**LaDOTD LA 22: Near I-10 Geometric Improvements, Ascension Parish, LA (H.011314)** Under the supervision of Robert H. Brooks, III, PLS and Max O. Usrey, III, PLS, Patrick performed **property surveys, prepared title work info, and right-of-way maps** for a +/-0.75 mile project.
05/17 – 09/17	**LaDOTD LA 59: Roundabout @ Lonesome Rd., Tangipahoa Parish, LA (H.011030)** Under the supervision of Robert H. Brooks, III, PLS and Max O. Usrey, III, PLS, Patrick performed **property surveys, prepared title work info, and right-of-way maps** for a +/-0.5 mile project.
03/16 – 08/17	**LaDOTD LA 59: Curve Realign and Tunnel at Trace, St. Tammany Parish, LA (H.010184)** Under the supervision of Robert H. Brooks, III, PLS and Max O. Usrey, III, PLS, Patrick performed **property surveys, prepared title work info, and right-of-way maps** for a +/-0.75 mile project.
03/17 – 07/17	**LaDOTD LA 1042: Bridges Near Greensburg, St. Helena Parish, LA (H.008312)** Under the supervision of Robert H. Brooks, III, PLS and Max O. Usrey, III, PLS, Patrick performed **property surveys, prepared title work info, and right-of-way maps** for a +/- 2 mile project.
03/16 – 02/17	**LaDOTD LA 22 Roundabout @ Dunson Rd., Tangipahoa Parish, LA (Proj. No. Unknown)** Under the supervision of Robert H. Brooks, III, PLS and Max O. Usrey, III, PLS, Patrick performed **property surveys, prepared title work info, and right-of-way maps** for a +/-0.25 mile project.
03/16 – 01/17	**LaDOTD LA 1024 Near Friendship, Livingston Parish, LA (Proj. No. Unknown)** Under the supervision of Robert H. Brooks, III, PLS and Max O. Usrey, III, PLS, Patrick performed **property surveys, prepared title work info, and right-of-way maps** for a +/-0.5 mile project.
03/16 – 06/16	**LaDOTD LA 44 Intersections, Ascension Parish, LA (Proj. No. Unknown)** Under the supervision of Robert H. Brooks, III, PLS and Max O. Usrey, III, PLS, Patrick performed **property surveys, prepared title work info, and right-of-way maps** for a +/-0.5 mile project.

Firm employed by	**NTB Associates, Inc.**				
Name	**Chris A. Harlan, Jr.**		Years of relevant experience with this employer	**>1**	
Title	**Staff Surveyor/ Engineer Intern**		Years of relevant experience with other employer(s)	18	
Degree(s) / Years / Specialization			BS / 2021 / Civil Engineering, Louisiana State University		
Active registration number / state / expiration date			5281 / Louisiana / 03/31/2025 – 21953 / Louisiana / 09/30/25		
Year registered	**2022 / 2005**	Discipline	Professional Surveyor / Engineer Intern		
Contract role(s) / brief description of responsibilities			**Mr. Chris Harland** will serve as **NTBA Quality Control Surveyor** for **surveying services** during this contract. He will assist in the review of survey data and deliverable preparation.		

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).
04/24 – 09/24	**LaDOTD Jimmie Davis Bridge (LA 511) Design-Build, Bossier & Caddo Parishes, LA (H.001779) Quality Control Surveyor/ Engineering Intern** providing support as needed alongside Project Managers for Static GPS control surveys, **topographic surveys, property surveys, title take-offs, description preparations, preliminary and final right-of-way mapping**, QL A, B, C, & D utility designating/locating, and utility coordination services for the design-build project to replace the Jimmy Davis Bridge across the Red River.
04/24 – 09/24	**Southline Power Transmission Line, Surveying & Engineering Services, AZ & NM (Agency Proj. No. Unknown) Quality Control Surveyor/ Engineering Intern** providing support as needed alongside Project Managers for **topographic, boundary, and right-of-way surveying services,** subsurface utility engineering, GIS services, and platting/mapping/permitting for transmission line and access roads.
04/24 – 09/24	**LaDOTD Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (4400019337) Quality Control Surveyor/ Engineering Intern** providing support as needed alongside Project Managers for Static GPS Control surveys, **topographic surveys, property surveys, title take-offs, description preparations, preliminary and final right-of-way mapping,** and QL C & D subsurface utility services for 34 bridge and culvert replacements as a sub-consultant to BKI.
01/23 – 03/23	**Calcasieu Parish Police Jury, CPPJ Consolidation**, **Calcasieu Parish, LA (Agency Proj. No. Unknown) Project Surveyor** responsible for survey coordination, determining property boundaries, preparing the required servitude plats, and QA/QC for **topographic and boundary surveying services** along the roadway of a proposed route for the consolidation of multiple water districts into one waterworks district.
01/23 – 03/23	**Opelousas Street Survey, Calcasieu Parish, LA (Agency Proj. No. Unknown) Project Surveyor** responsible for survey coordination, assisting with LA One Call coordination, data processing, and QA/QC of deliverables for all **topographic and boundary surveying services** in support of the design and installation of a new waterline connecting two water districts.
12/22 – 02/23	**Comcast ALTA Surveying Services, Caddo Parish, LA (Agency Proj. No. Unknown) Project Surveyor** responsible for survey coordination for **topographic and boundary surveying services** including coordinating with LA One Call, processing data, drafting plat and legal descriptions, and preparing FEMA Flood certificate for a property transfer in Shreveport, LA.
11/22 – 12/22	**Grogan Street Water Tower Survey, Calcasieu Parish, LA (Agency Proj. No. Unknown) Project Surveyor** responsible for survey coordination for **topographic and boundary surveying services** of a water tower including courthouse research to locate the current conveyance records, determining the apparent boundary lines based on the records, and recovering data in the field, and drafting plats.
11/22 – 12/22	**Calcasieu Parish Police Jury, New Providence Well No. 4, Calcasieu Parish, LA (Agency Proj. No. Unknown) Project Coordinator** responsible for survey coordination, processing data, and drafting plats for **topographic and boundary surveying services** for the Calcasieu Parish Police Jury.
10/22 – 12/22	**Calcasieu Parish Police Jury, Amoco Road Bridge, Calcasieu Parish, LA (Agency Proj. No. Unknown) Project Surveyor/ Engineering Intern** providing support as needed for pre and post construction **surveying services** including right-of-way, utility relocations, driveway relocations, control surveys, elevation checks for new drainage structures, bridge element checks, verification of as-built pile cutoff elevations, and staking of right-of-way/easements.

Firm employed by	**NTB Associates, Inc.**			
Name	**Will Wales**		Years of relevant experience with this employer	**11**
Title	**Party Chief**		Years of relevant experience with other employer(s)	20
Degree(s) / Years / Specialization			High School Diploma, 1987 / ATSSA TCS	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	Party Chief	
Contract role(s) / brief description of responsibilities			**Mr. Will Wales** will serve as **NTBA Field Operations Manager/ Survey Party Chief** during this contract. He will supervise field operations, lead a field crew, and download data for **topographic surveys and property surveys in support of right-of way mapping.**	

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).
01/23 – 09/24	**LaDOTD Jimmie Davis Bridge (LA 511) Design-Build, Bossier & Caddo Parishes, LA (H.001779) Field Operations Manager/ Survey Party Chief** supervising field operations, running a field crew, and downloading data for Static GPS Control surveys**, topographic surveys, and property surveys in support title take-offs, legal description preparation, preliminary and final right-of-way mapping**, and QL A, B, C, & D utility designating/locating for the design-build project to replace the Jimmy Davis Bridge across the Red River.
08/21 – 09/24	**LaDOTD Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (4400019337) Field Operations Manager/ Survey Party Chief** supervising field operations, running a field crew, and downloading data for Static GPS Control surveys, **topographic surveys, property surveys in support of title take-offs, legal description preparation, preliminary and final right-of-way mapping**, and QL C & D subsurface utility services for 34 bridge and culvert replacements as a sub to BKI.
04/21 – 09/24	**LaDOTD Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (4400019338) Field Operations Manager/ Survey Party Chief** supervising field operations, running a field crew, and downloading data for Static GPS Control surveys**, topographic surveys, property surveys in support of title take-offs, legal description preparation, preliminary and final right-of-way mapping**, and QL C & D subsurface utility services for 21 bridge and culvert replacements as a sub to Waggoner.
04/22 – 09/24	**CenterPoint Surveying Services, Various Parishes, LA (Various Agency Proj. Nos.) Field Operations Manager/ Survey Party Chief** supervising field operations, running a field crew, and downloading data for **topographic surveys and property surveying services in support of title take-offs and right-of-way mapping** for maintenance and construction projects.
04/22 – 04/23	**LaDOTD Monkhouse to I-49, Caddo Parish, LA (4400017713) Survey Party Chief** ran a field crew and downloaded data for **topographic surveys** and surveys in support of QL C & D subsurface utility services and drainage map preparation for interstate rehabilitation.
03/21 – 03/22	**City-Parish Ward Creek at Siegen Lane, East Baton Rouge Parish, LA (22-DR-US-0013) Survey Party Chief** ran a field crew and downloaded data for control, **topographic, and property surveys** along with QL B, C, and D subsurface utility designating services for approximately 1,500 feet of Ward Creek.
01/20 – 03/21	**UPRR Big Sandy Siding Survey, Upshur and Wood Counties, TX (29543/90502) Survey Party Chief** ran a field crew and downloaded data for **property surveying services** for 15 parcels along railroad consisting of approximately 3.24 miles of track to establish the existing railroad **right-of-way**. Prepared 8 ALTA Surveys along with the privately owned **parcels for acquisition**, 0.25 acre **acquisition parcel in the right-of-way, and an overall right-of-way strip map.**
12/18 – 01/20	**LaDOTD LA 951: Roadway Washout Repairs, East Feliciana Parish, LA (H.013643) Survey Party Chief** ran a field crew and downloaded data for **topographic surveys**, surveys in support of QL A, B, C, and D subsurface utility designating/locating, and QL A, B, C, and D subsurface utility designating/locating for road rehabilitation and bridge replacement.
04/15 – 09/15	**LaDOTD LA 3094: Hearne Ave. Bridge Rehab, Route LA 3094, Caddo Parish, LA (4400001798 & H.011094.5) Survey Party Chief** ran a field crew and downloaded data for **topographic surveying services**, HDS 3D Terrestrial Laser Scanning, and surveys in support of QL B subsurface utility designating for bridge rehabilitation.

Firm employed by	**NTB Associates, Inc.**			
Name	**Chip LeCoq**		Years of relevant experience with this employer	**8**
Title	**Party Chief**		Years of relevant experience with other employer(s)	20
Degree(s) / Years / Specialization			High School Diploma, 1996	
Active registration number / state / expiration date			N/A	
Year registered	**N/A**	Discipline	Party Chief	
Contract role(s) / brief description of responsibilities			**Mr. Chip LeCoq** will serve as **NTBA Survey Party Chief** during this contract. He will lead a field crew and download data for **topographic surveys and property surveys in support of right-of way mapping.**	

12/17 – 09/24	**LaDOTD I-10: LA 415 to Essen Lane on I-10 and I-12, West & East Baton Rouge Parishes, LA (44-12323, 44-17713, 44-14660 - Multiple TOs) Survey Party Chief** running a field crew and downloading data for **topographic surveys,** QL B, C, and D subsurface utility designating, and surveys in support of QL B, C, and D subsurface utility designating for approximately 13 miles of roadway. **NTBA** is currently performing **topographic surveys** near the I-10 and I-110 interchange for three additional areas.
01/23 – 09/24	**LaDOTD Jimmie Davis Bridge (LA 511) Design-Build, Bossier & Caddo Parishes, LA (H.001779) Survey Party Chief** running a field crew and downloading data for Static GPS Control surveys, **topographic surveys, and property surveys** in support of **title take-offs, legal description preparation, and preliminary and final right-of-way mapping** and QL A, B, C, & D utility designating/locating for the design-build project to replace the Jimmy Davis Bridge across the Red River.
08/21 – 09/24	**LaDOTD Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (4400019337) Survey Party Chief** running a field crew and downloading data for Static GPS Control surveys, **topographic surveys, and property surveys in support of title take-offs, legal description preparation, preliminary and final right-of-way mapping,** and QL C & D subsurface utility services for 34 bridge and culvert replacements as a sub to BKI.
04/21 – 09/24	**LaDOTD Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (4400019338) Survey Party Chief** running a field crew and downloading data for Static GPS Control surveys, **topographic surveys, and property surveys in support of title take-offs, legal description preparation, preliminary and final right-of-way mapping**, and QL C & D subsurface utility services for 21 bridge and culvert replacements as a sub to Waggoner.
08/23 – 09/24	**LaDOTD IIJA Off-System Bridge Program, District 62 (4400025041) Survey Party Chief** running a field crew and downloading data for Static GPS control surveys, **topographic surveys, and property surveys in support of title take-offs, legal description preparation, and preliminary and final right-of-way mapping** in support of bridge replacements.
04/22 – 09/24	**CenterPoint Surveying Services, Various Parishes, LA (Various Agency Proj. Nos.) Survey Party Chief** running a field crew and downloading data for **topographic surveys and property surveying services in support of title take-offs and right-of-way mapping** for maintenance and construction projects.
04/22 – 04/23	**LaDOTD Monkhouse to I-49, Caddo Parish, LA (4400017713) Survey Party Chief** ran a field crew and downloaded data for **topographic surveys** and surveys in support of QL C & D subsurface utility services and drainage map preparation for interstate rehabilitation.
01/21 – 04/21	**LaDOTD LA 3125 @ LA 3274 Roundabout, St. James Parish, LA (H.014416.5) Survey Party Chief** ran a field crew and downloaded data for **topographic surveys** for the design of a roundabout intersection.
07/16 – 03/17	**LaDOTD Bayou Fountain, Route LA 327 Spur (Gardere Lane) East Baton Rouge Parish, LA (4400006527 & H.002337.5) Survey Party Chief** ran a field crew and downloaded data for **topographic surveys** for road rehabilitation and sidewalks.

Firm employed by	**Vectura Consulting Services, LLC**			
Name	**Sheelagh Brin Ferlito, PE, PTOE**		Years of relevant experience with this employer	9
Title	Supervisor-Engineer		Years of relevant experience with other employer(s)	27
Degree(s) / Years / Specialization		B.S. / 1988 / Civil Engineer		
Active registration number / state / expiration date		PE. 0025383 / LA 09/30/2025		
Year registered	1993	Discipline	Civil	
Contract role(s) / brief description of responsibilities		Quality Control		

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).
07/21 - current	**H.007160 - EBR Computerized Traffic Signal, Phase VB (Baton Rouge, LA)** Brin is the task leader for Vectura for the **Construction Engineering and Inspection of 24 traffic signals**. Brin oversaw the review of signal mast arm shop drawings to assist the City-Parish of Baton Rouge in accepting the manufactured poles. Brin and Reece, with the DOTD, City-Parish and the Contractor conducted field visits to confirm pole foundation locations.
07/19 – current	**MOVEBR New Capacity Projects Program Management (Baton Rouge, LA)** Brin is the lead traffic engineer for entire the New Capacity Projects program management team. **All traffic engineering scope of services, traffic / speed data collection, traffic design studies, safety studies, and traffic signal design plans are reviewed by Brin.** She is in constant communication with the Traffic Engineering staff of DOTD and EBR Traffic Engineering Department. She understands the current requirements for all aspects of traffic engineering projects.
07/19 – current	**H.004791 DOTD Belle Chasse Bridge & Tunnel Replacement PPP (Belle Chasse, LA)** Brin is the project manager for the **temporary and permanent traffic signal plans** for the intersections of LA 23 at Burmaster St and at Engineers Rd. She based her traffic signal plans on **design year volumes** that were developed using growth rates from the New Orleans Regional Planning Commission Travel Demand Model. This project is the first ever Public-Private-Partnership performed by DOTD.
09/20 – 12/21	**H.010960.5 LA 30 Roundabouts at Tanger I-10 (Ascension Parish, LA)** Brin is the project manager for the design of temporary traffic signal plans that will be implemented during the roundabout construction along LA 30 in Gonzales, LA. The project involves replacing three existing signalized intersections with multilane roundabouts along LA 30 at I-10 Interchange ramps and at Tanger Boulevard. Vectura also developed **signal timing plans** for each phase of the construction to maintain progression along LA 30.
07/18 – 04/19	**LA 1 Pedestrian Crosswalk Study and Traffic / Pedestrian Signal Design West Baton Rouge Parish, Addis, LA** Brin developed a Pedestrian Crosswalk Study and **Traffic Signal Construction Plans** for the intersection of LA 1 at LA 990 in Addis, LA. The study was based on DOTD Traffic Engineering Manual Crosswalk Guidelines followed by traffic signal design plans based on DOTD requirements. The study included **traffic and pedestrian traffic data collection, a speed study, crash analyses, intersection analyses and progression analyses**. The signal plans included pedestrian signal equipment, signal timing parameter calculations, crosswalk striping, signs, DOTD pay items, estimated quantities, and construction cost. Brin also assisted with the Parish with the DOTD Permit Request for Intersection Control Devices on a State Right of Way.
09/17-04/18	**US 11 at US 190 Bus. (Fremaux Ave.) Pedestrian Crosswalk Study and Traffic / Pedestrian Signal Equipment Design Slidell, LA** Brin developed a formal traffic study for a proposed crosswalk with pedestrian **traffic signal equipment and pedestrian clearance timings** based on DOTD requirements. Brin assisted with **vehicle and pedestrian data collection, spot speed study, analyzed 3-year intersection crash data and developed signal timing for pedestrians to cross the street**. From the design study, a set of **Traffic Signal Modification Plans** were developed to implement the recommended alternative.
08/15-05/17	**Enhancing Guidance for Evacuation Time Estimate Studies (Nuclear Regulatory Commission Rockville, MD)** Brin conducted an applied research study of U.S. Nuclear Regulatory Commission guidance for developing evacuation time estimate studies and produced a technical basis for revision of NUREG/CR-7002 "Criteria for Development of Evacuation Time Estimate Studies" in support of the 2020 update of ETEs. Specifically, Brin was the lead VISSIM modeler for the "large" population models, which consisted of a 20-mile radius model. The VISSIM model input included traffic volumes distributed over 8 hours, highway and intersection lane geometry using links and connectors, conflict areas, traffic signal and stop control and speed. Brin also developed Dynamic Traffic Assignment code to simulate that fastest route out of the evacuated zone.
04/14 – 12/14	**H.002301 Signal Design for N. Sherwood Forest Dr. Widening Project (Baton Rouge, LA)** As the project engineer, Brin was in responsible charge for **data collection and design for three signalized intersections** as part of a road widening project as per EBR DPW and DOTD requirements. Ms. Ferlito developed the traffic signal equipment, signal timing and communication construction plans, special provision specifications, quantities, and cost

	estimate. She also performed tasks to develop the striping plans and sequence of construction plans which included temporary signal equipment placement due to lane shifts during construction.
07/12-03/14	**EBR 03-TS-CI-0026 CE&I for EBR Traffic Signal Systems Jefferson Highway Construction (Baton Rouge, LA)** Brin was the Project Resident Engineer on behalf of EBR for performing **CE&I services for the construction of 11 traffic signals**. She maintained records of the contractor's daily operations, coordinated significant events that affected construction progress including utility issues, reviewed shop drawings, conducted monthly progress meetings, recorded daily installed quantities, developed change orders and monthly contractor pay estimates. She also coordinated with DOTD ITS division for fiber splicing into interstate I-12 fiber backbone and ATM / EOC building. She processed all monthly tasks in EBR formats as well as well as all items on the EBR project closeout checklist.
07/08-09/09	**SPN 013-05-0043 CE&I for EBR Traffic Signal Systems Phase IV Construction (Baton Rouge, LA)** Brin was the Project Resident Engineer for DOTD and EBR to perform **CE&I services for the construction of 21 traffic signals**. She developed the project Sample Plan, maintained records of the contractor's daily operations, coordinated significant events that affected construction progress including utility issues, reviewed shop drawings, conducted monthly progress meetings, recorded daily installed quantities, coordinated concrete sampling for DOTD Materials Lab, developed change orders and monthly contractor pay estimates. She also coordinated with DOTD ITS division for fiber splicing into Airline Highway fiber backbone and ATM / EOC building. She processed all monthly tasks electronically in DOTD Site Manager and in EBR required formats as well as all items on the DOTD Project Closeout Checklist including the 2059 Report.
09/13 – 04/14	**S.P. 700-99-0477 Jefferson Hwy. Signal Design (Baton Rouge, LA)** Ms. Ferlito designed traffic signal plans for 11 intersections along Jefferson Highway between College Drive and the I-12 On Ramp in Baton Rouge. Design included **traffic data collection, traffic signal layout, fiber interconnect layout, fiber splicing diagrams, pedestrian crosswalk layout, and sign layout**. Design also included **traffic signal synchronization signal timing** and pedestrian signal timing. She prepared estimated quantities, preliminary and final signal construction plans, and specifications.
03/05 – 11/05	**Airline Hwy Widening SPN 700-99-0332 (Baton Rouge, LA)** Brin designed 8 traffic signals as part of the Airline Hwy. widening project in Baton Rouge. Her design included **traffic data collection, traffic signal equipment, signal synchronization timing, fiber communication, storage length calculations based on queues analyses, special provision specifications, quantities, and cost estimate**. This project included fiber design to be the first Baton Rouge project to connect video surveillance images and traffic controller information to the ATM / EOC.
02/03 – 01/04	**EBR Traffic Signal Systems Phases IV and V SPN 700-17-0172 (Baton Rouge, LA)** Brin was the project engineer for the **design of 66 signalized intersections** on eight arterials in Baton Rouge which included traffic data collection, traffic signal equipment, pedestrian crosswalk equipment, emergency vehicle and railroad preemption equipment, fiber interconnect equipment as well as traffic signal synchronization. Brin prepared traffic signal construction plans, estimated quantities, and specifications.

Firm employed by	**Vectura Consulting Services, LLC**			
Name	**Laurence Lucius Lambert, II, PE, PTOE, PTP**		Years of relevant experience with this employer	9
Title	Supervisor-Engineer		Years of relevant experience with other employer(s)	18
Degree(s) / Years / Specialization		B.S./1997/Civil Engr. M.S./2006/Civil Engr. (Transportation focus) M.B.A./2010		
Active registration number / state / expiration date		PE.0029901 / LA / 3/31/2026		
Year registered	Civil	Discipline	Civil	
Contract role(s) / brief description of responsibilities		Data Collection and Traffic Management Plan Supervisor		

07/19 – current	**MOVEBR New Capacity Projects Program Management (Baton Rouge, LA)** At the beginning of the program, Laurence worked with the Capital Region Planning Commission to produce measures of effectiveness from the **travel demand model** to prioritize the MOVEBR project list. Laurence and Pong Wu developed a list of vehicle miles traveled, V/C ratios and vehicles hours of delay. Laurence also provided **peer review** for the traffic studies for Ben Hur Road and Lee Drive.
07/23 – 11/23	**H.015504.5 CCC Decorative Lighting Level 4 TMP (New Orleans, LA)** Laurence was the project manager for a **Level 4 Traffic Management Plan (TMP)** for the Crescent City Connection (CCC). Laurence oversaw the lane closure analysis based on queuing. A safety analysis of the construction zone was also performed to identify any "hot spots". The results were summarized in a report that was reviewed by DOTD.
04/23 – 10/23	**H.014591.5 I-12: US 61 Bridges Girder Repairs (Baton Rouge, LA)** Laurence was the project manager for a **Level 2 TMP** for the interchange of I-12 at US 61. Laurence performed QA/QC for a lane closure analysis based on queuing. A safety analysis of the construction zone was also performed to identify any "hot spots" where Laurence also performed QA/PC. The results were summarized in a report that was reviewed by DOTD.
04/18 – 12/21	**H.010960.5 LA 30 Roundabouts at Tanger & I-10 Gonzales (Ascension, LA)** Laurence provided a Quality Control review of the **temporary construction and sequence of construction plans**. Vectura also provided Quality Control review of **signing and striping plans** at 30% and 60% plan sets to ensure the **roundabouts** conformed to the Pavement Markings Details Sheet PM-09 and the MUTCD details on roundabouts.
04/18 – 12/21	**H.011909.5-4 Roundabout: US 171 at Boone St. (Vernon Parish, LA)** Laurence provided a Quality Control review of the **temporary construction and sequence of construction plans**. Vectura also provided Quality Control review of **signing and striping plans** at 30% and 60% plan sets to ensure the **roundabouts** conformed to the Pavement Markings Details Sheet PM-09 and the Manual on Uniform Traffic Control Devices (MUTCD) details on roundabouts.
02/20 – 09/21	**College Drive Corridor Enhancement from Perkins Road to I-10 (Baton Rouge, LA)** Laurence was the **project manager to develop Chapter 1 (Data Collection), Appendix A (Initial Data Collection), and Appendix B (Final Data Collection)** for proposed improvements College Drive. Since the I-10 interchange was included in the study, **approval from DOTD was required**. Vectura collected, turning movement counts, 85% speed data, travel time runs, queue measurements, field observations, verification of Traffic Signal Inventories, and bicycle / pedestrian / transit observations.
01/23 – 02/24	**H.011504 Alexandria ITS Phase 2** Laurence was the project manager for a System Engineering Analysis Report, Engineering Opinion of Probably Construction Cost and **Level 2 Transportation Management Plan** for the Alexandria area.
10/21—03/22	**H.013256.5 I-10 ITS Scott to Lake Charles (Lead Traffic Engineer)** Laurence was the lead traffic engineer for a **Level 2 Traffic Management Plan (TMP)** for the construction of ITS equipment along I-10. The plan included a safety strategy that included a CAT Scan, LOS determination utilizing Citrix data, lane closure recommendations based on a queue analysis and public information strategies.
09/18 – 02/19	**H.013261.1 I-110 ITS Deployment Systems Engineering Analysis (Project Manager)** As a sub-consultant, Laurence was the task leader for the Constraints & Alternatives Analysis as well as the Projects & Procurement Strategy portion of the project. The goal of the project was to deploy Close Circuit Television (CCTV) cameras and one Dynamic Message Sign (DMS) along the I-110 corridor from US 190 to US 61. To communicate with the field devices from the Traffic Management Centers (TMCs), installing fiber optics along the I-110 corridor was recommended. The fiber optics also allow communication to the traffic signals at the interchange ramps along I-110 to the TMC.
06/12-12/12	**Ramp Metering Study of I-10 Segment, East Baton Rouge and Ascension Parishes, Louisiana (Project Manager)** Laurence conducted a feasibility study to deploy ramp meters along the Interstate 10 (I-10) Corridor in Baton Rouge between Dalrymple Drive and LA 73. The study consisted of analyzing 17 on-ramps under differing design conditions, which include the following: 2010 Existing, 2012 Without Ramp Meter, 2012 Ramp Meter, and 2012 Ramp Meter with Recommendations. Laurence's role in this project as project manager was to oversee all QA / QC measures and interpret the results from the model. Laurence coordinated with the local agencies to obtain all current proposed projects in the area, which included DOTD I-10 Widening Project Phases 1 and 2, the Green Light Plan (GLP) Essen Lane Widening Project, and the GLP Highland Road Widening Project.

09/16 - 04/17	**H.004957.5 I-12 To Bush - LA 3241 (I-12 – LA 36) Corridor Study (St. Tammany Parish, LA)** Laurence was the lead traffic engineer for a **DOTD traffic study** for the new LA 3241 alignment with the purpose of obtaining both existing and projected future traffic variables in accordance with standard operating procedures typically performed in these types of analyses. Laurence worked closely with the NORPC and District 62 to develop design year volumes using data the TransCAD model. The traffic study examined concepts that improved the safety and efficiency of the roadway consistent with the latest DOTD policies related to access management. Laurence, along with Brin, **collected 7-day, 24-hour counts** w/ classification on mainlines, turning movement counts for morning and evening peak periods and speed data for mainlines. Laurence also developed a VISSIM **traffic simulation model** of the preferred alternative.
07/16 - 01/17	**FHWA Intersection & Interchange Geometrics: Innovative Design Considerations for All Users (Norfolk, VA)** At the request of the FHWA division office for Virginia, Laurence was asked to peer review a set of design plans for a Displaced Left Turn (DLT) in Norfolk, VA. The plans were part of a design-build project that included widening a corridor, modifications to an interchange and the implementation of a DLT. Vectura specifically reviewed and commented on the intersection geometry, pavement markings and signage. The findings were summarized in a technical memorandum as well as "red line" comments were scanned and submitted to the FHWA Virginia Division office for their use.
04/04 - 09/06	**Stage 0 I-10 at Pecue Lane Interchange Justification Study (Baton Rouge, LA)** Laurence was the lead traffic engineer for a **Stage 0** traffic study analyzing the proposed interchange at I-10 and Pecue Lane. Laurence developed current and future traffic volumes based on the CRPC **TransCAD model** growth rates. Using HCS, Laurence **analyzed signalized and unsignalized intersections**, basic freeway segments, freeway merge / diverge segments and freeway weaving segments. Laurence also developed a micro-simulation model in both VISSIM and TSIS.
03/10 - 11/11	**S.P. No. 700-09-0171 Stage 0 and 1 Study I-49 Inner City Connector (Shreveport, LA)** This 3.5-mile route will connect existing I-49 / I-20 interchange to the proposed I-49 / I-220 interchange. After completing the **Stage 0**, Laurence was the project manager for the traffic analyses for the EA phase. The total traffic analyses effort included over 30 TransCAD Models, 20 interchanges and 70 intersections. Analyses included signalized and unsignalized intersections, basic freeway segments, freeway merge / diverge segments and freeway weaving segments at the studied intersections and interchanges. This project included performing both Interchange Modifications Reports (IMRs) and Interchange Justification Reports (IJRs).
01/07 – 08/07	**I-12 Ramp Metering Study, Baton Rouge, Louisiana (Project Manager)** Under the ITS retainer contract, Laurence provided analysis and evaluations of potential ramp metering at six interchanges along this corridor. The scope also included analysis of existing traffic conditions, evaluation of proposed solutions, and creation of micro-simulation models of existing and proposed conditions. An existing micro-simulation model was obtained from DOTD to analyze and visually represent the existing traffic conditions. The existing conditions model was calibrated and used as a base to develop models of ramp metering. Laurence presented the findings to DOTD, including an overview map of the interchange area, a schematic of existing volumes, a Micro-simulation of the existing conditions, a summary table of LOS for existing conditions, micro-simulations of proposed solutions, and a summary table of LOS for each solution. Laurence also submitted a formal report of the findings.
04/04 - 09/06	**Stage 0 I-10 at Pecue Lane Interchange Justification Study (Baton Rouge, LA)** Laurence was the lead traffic engineer for a **Stage 0** traffic study analyzing the proposed interchange at I-10 and Pecue Lane. Laurence developed current and future traffic volumes based on the CRPC **TransCAD model** growth rates. Using HCS, Laurence **analyzed signalized and unsignalized intersections**, basic freeway segments, freeway merge / diverge segments and freeway weaving segments. Laurence also developed a micro-simulation model in both VISSIM and TSIS.
07/19 – current	**MOVEBR New Capacity Projects Program Management (Baton Rouge, LA)** At the beginning of the program, Laurence worked with the Capital Region Planning Commission to produce measures of effectiveness from the **travel demand model** to prioritize the MOVEBR project list. Laurence and Pong Wu developed a list of vehicle miles traveled, V/C ratios and vehicles hours of delay. Laurence also provided **peer review** for the traffic studies for Ben Hur Road and Lee Drive.

Firm employed by	**Vectura Consulting Services, LLC**		
Name	**Reece Rodrigue, PE, PTOE, RSP1**	Years of relevant experience with this employer	4
Title	Engineer	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization		B.S./2013/Civil Engr.	
Active registration number / state / expiration date		PE.0042074 / LA / 3/31/2026	
Year registered	Civil	Discipline	Civil
Contract role(s) / brief description of responsibilities		Project Engineer	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
04/21 - current	**MOVEBR Direct Select for Traffic Signal Design, Baton Rouge, LA** Reece is a project engineer for the design of traffic signal upgrades at 10 intersections. This projected included a traffic design report, preliminary and final plans for traffic signals that included traffic signal layout, fiber interconnect layout, fiber splicing diagrams, pedestrian crosswalk layout, and sign layout. The design also included traffic signal synchronization signal timing and pedestrian signal timing.
06/23 - Current	**H.012845.1 Connected & Autonomous Vehicles (C/AV) Team and Working Group Support** Reece is a member of the team to develop new policies and legislation related to C/AV.
06/23 - Current	**H.011507.1 Monroe Phase 3 SEA** Reece visited the project site to document the controller type and detection needs at each signalized intersection within the right-of-way.
07/21 - Current	**H.007160 - EBR Computerized Traffic Signal, Phase VB (Baton Rouge, Louisiana)** Reece is part of the team responsible for **Construction Engineering and Inspection**. Reece has reviewed the signal mast arm shop drawings to assist the City-Parish of Baton Rouge in accepting the manufactured poles. Reece, with the DOTD, City-Parish and the Contractor conducted field visits to confirm pole foundation locations.
01/23 – 02/24	**H.011504 Alexandria ITS Phase 2** Reece was the project engineer for a site visit, System Engineering Analysis Report, Engineering Opinion of Probably Construction Cost and Level 2 Transportation Management Plan.
06/22 – 02/23	**H.012381.5 ITS Fiber Management System Data Collection** Reece performed the field observations for 40 sites to verify the ITS FMS and inventory services.
04/20 - Current	**H.004791 DOTD Belle Chasse Bridge & Tunnel Replacement Public-Private Partnership Project (Belle Chasse, LA)** Reece is responsible for designing the temporary traffic signal for the intersection of LA 23 at Engineers Rd. for eight phases of construction per the anticipated sequence of construction. Temporary pole location and heights were recommended for placement for use for all construction phases. Vehicle clearance interval calculations were conducted for each phase in accordance with DOTD and ITE guidance. Reece is responsible for producing the traffic impact analysis portion of the **Traffic Management Plan** that was also used in planning for the permanent and temporary signal timing plans. Reece was also responsible for producing the permanent signal plans for the LA 23 intersections at Engineers Road and at Burmaster Street. He evaluated stop bar locations, calculated vehicle, and pedestrian clearance intervals, designed the railroad preemption sequence for both at-grade crossings, designed the wiring layout, and developed the interconnect plan. In addition, Reece was responsible for reviewing and approving shop drawings that were submitted by the contractor for use in construction.
01/21 – 05/21	**H.013256 - I-10 ITS Scott to Lake Charles (Lafayette, Acadia, and Jefferson Davis Parishes)** Reece was a member of the subconsultant team who was tasked with reviewing the ITS plans for 15 sites along I-10 where CCTV cameras were being installed. Reece was responsible for **measuring anticipated construction quantities and producing a cost estimate** for said quantities by using DOTD's Bid Tabulation and Cost Estimating Tool.
09/20 – 12/21	**H.011909.5-4 Roundabout: US 171 at Boone St. (Vernon Parish)** Reece is an essential design engineer, who is assisting in the production of the temporary signal design associated with the **sequence of construction** for the roundabout at US 171 at Boone St. He conducted a thorough analysis of the US 171 corridor's existing allowable movements and identified the movements that would be restricted during the proposed construction process and how it would impact the typical traffic patterns.
09/20 – 12/21	**H.010960.5 LA 30 Roundabouts at Tanger I-10 (Ascension Parish)** Reece is a design engineer, who is assisting in the production of the temporary signal design associated with the **sequence of construction** for the roundabouts on LA 30 in Gonzales, LA. This project consists of eight proposed construction phases. He assisted in calculating the temporary pole heights, determining the placement location for the temporary poles for each phase,

	measuring and calculating clearance intervals. Reece conducted a thorough analysis of the LA 30 corridor's existing allowable movements and identified the movements that would be restricted during the proposed construction process and how it would impact the typical traffic patterns.
11/21 – 12/21	**Emergency Street Light and Traffic Sign Assessment (New Orleans, LA)** In response to the damage caused by Hurricane Ida, Reece **inspected streetlights** and street signs to report damage using the City's ArcGIS Online Organization and ArcGIS Field Maps app. The assessment area was approximately 2.5 miles by 2 miles area in the City of New Orleans.
02/20 – 09/21	**College Drive Corridor Enhancement from Perkins Road to I-10 (Baton Rouge, LA)** Reece was the task leader for organizing and formatting the **data collection** of the College Drive project limits. Tasks included in data collection were 7-day tube counts, intersection turning movement counts, approach tube counts, unmet demand observations, driveway counts, travel time runs, pedestrian / bicycle counts, and weaving counts.
07/19 – 12/19	**Burgess Avenue at Duff Road Traffic Signal Design, Walker, LA** Reece was responsible for the design of a fully actuated signalized intersection in the city of Walker, LA. The traffic signal was determined to meet signal warrants upon completion of the Foxglove subdivision in Livingston Parish, LA. Plans included road widening, signal face indication schedule, signal sequence chart, sign schedule, detector schedule, controller timing, wiring diagram, and free operation phasing diagram. Reece met with city officials to discuss the feasibility of constructing a traffic signal as opposed to other alternative measures for improving the intersection.
02/16 - 12/16	**H.005733.5 US 190 Superstreet Task Order (St. Tammany Parish)** Reece was a team member responsible for the layouts for the US 190 Superstreet signal designs. He created the **preliminary plans using CAD** software program MicroStation V8i. He aided in the technical design of each intersection. He conducted field inspections to verify locations of existing equipment as well as observing the area for feasible proposed utility locations. He attended project team meetings to discuss the project details as well as the plan-in-hand walk-through.
01/16 – 11/17	**Ochsner Main Campus Traffic Signals (Jefferson Parish)** Reece served as a design engineer for the **traffic signal plans** for the two Ochsner Main Campus access traffic signals with US 90 (Jefferson Hwy). The goal of the design was to implement updated pedestrian timings as well as optimize progression through the US 90 corridor. He reviewed traffic data and assigned time of day coordination timing parameters for the two intersections so that they may be included in the coordinated system west of the intersections. He used TruTraffic determine the appropriate offset parameters so that vehicles may progress efficiently through the coordinated system. Plans for the two intersections were drafted in the form of DOTD's latest version of the TSI format. He was responsible for estimating construction quantities using DOTD's 2016 Spec Item list.
10/16 – 05/17	**Loyola Interchange Modification Request, Kenner, LA** Reece was a team member in the production of an Interchange Modification Report (IMR) for the I-10 at Loyola Dr. Interchange. He was an active member in collecting vehicle travel time data and processing the data. He also aided in collecting vehicle queues at the study intersections. He also assisted in the Vissim model calibration.
02/15 – 12/15	**H.011646 Retainer Contract for DOTD District 02 Traffic Signal Inventories - Nola 3** Reece served as the lead engineer in the production of the traffic study for the District 02 Traffic Signal Inventories. The objective was to effectively correct the progression of traffic through the US 90 (Broad St) corridor. He reviewed vehicle crash data at all intersections in the study scope. He conducted travel time runs. He created a model with existing traffic signal timing information using Synchro 8 Software. He recommended traffic signal pedestrian clearance times and yellow and red clearance times for each intersection. He used MicroStation V8i when designing traffic signal plans in DOTD's TSI format.

Firm employed by	**Vectura Consulting Services, LLC**		
Name	**Kristen Farrington, PE, PTOE, RSP1**	Years of relevant experience with this employer	2
Title	Engineer	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization		B.S. / 2014 / Civil Engr.	
Active registration number / state / expiration date		PE.0042785 / LA / 3/31/2025	
Year registered	Civil	Discipline	Civil
Contract role(s) / brief description of responsibilities		Project Engineer	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
04/21 – 04/24	**CP No. 16 CI-US-0032 Bus Rapid Transit (BRT) Improvement Project (Baton Rouge, LA)** Kristen a project engineer for a **traffic design study and traffic signal design of 19 signals** along three corridors: Plank Road, 22nd Street and US 190 (Florida Street). Kristen assisted the prime consultant with the safety analysis as well.
07/23 – 01/24	**H.015504.5 CCC Decorative Lighting Level 4 TMP (New Orleans, LA)** Kristen was the lead traffic engineer for a **Level 4 Traffic Management Plan (TMP)** for the Crescent City Connection (CCC). Kristen performed a lane closure analysis based on queuing. A safety analysis of the construction zone was also performed to identify any "hot spots". The results were summarized in a report that was reviewed by DOTD.
04/23 – 10/23	**H.014591.5 I-12: US 61 Bridges Girder Repairs (Baton Rouge, LA)** Kristen was the lead traffic engineer for a **Level 2 TMP** for the interchange of I-12 at US 61. Kristen performed a lane closure analysis based on queuing. A safety analysis of the construction zone was also performed to identify any "hot spots". The results were summarized in a report that was reviewed by DOTD.
08/21 – 04/22	**H.013267 Downtown to Scotlandville Parkway Trail Safety Enhancement Study (Baton Rouge, LA)** Kristen was a project engineer for a design study to evaluate the recommended street crossing treatments of the trail at eight locations. The project consisted of collecting **vehicular speed and volume data** at the proposed trail crossings. Geometric field checks were also performed to determine if any hazards to pedestrians or cyclists existed. Once the field data was collected and analyzed, appropriate crossing treatments utilizing the *FHWA STEP Guide for Improving Pedestrian Safety at Unsignalized Locations* were developed that included Rectangular Rapid-Flashing Beacons (RRFB) and Pedestrian Hybrid Beacons (PHB's). Currently, Vectura is developing plans for the PHB's at four locations which will be the first implementation of PHB's in the Baton Rouge area.
02/20 – 09/21	**MOVEBR College Drive Enhancement Project (Baton Rouge, LA)** Kristen assisted with the **data collection** task of the College Drive project limits. Tasks included in data collection were 7-day tube counts, intersection turning movement counts, approach tube counts, unmet demand observations, driveway counts, travel time runs, pedestrian / bicycle counts, and weaving counts.
6/19 - 2/21	**H.013459 US 167 Improvements Stage 0 Elsie Street to Gilbert Street (St. Landry Parish, LA)** Kristen served as project manager for a **Stage 0** study to evaluate the addition of a third lane to US 167 from Elsie Street south to a point past Gilbert Drive. Environmental impacts and cost estimates were prepared, as well as a benefit-cost analysis of all improvements considered. Civil Engineer responsible for safety analysis including crash rate number method, over-representation, CATScan quality assurance, HSM existing safety analysis, and No-Build Analysis. Designed high-level concept exhibits and comparison matrix to determine best preliminary alternatives moving forward to meet the purpose and need of the project. Compiled meeting agenda materials and minutes.
6/19 - 2/21	**H.013460 US 167 Improvements Stage 0 Enola Street to Ross Road (Evangeline Parish, LA)** Kristen served as project manager for a **Stage 0** study of a two-lane road to remove a curvilinear section of US 167 from Enola Street near LA 748, southeast for approximately 1.2 miles. The study compared connecting existing property owners to a new roadway with driveways or intersection of old roadway. Environmental impacts and cost estimates were prepared. Civil Engineer responsible for safety analysis including crash rate number method, over-representation, CATScan quality assurance, HSM existing safety analysis, and No-Build Analysis, as well as a benefit-cost analysis. Designed high-level concept exhibits and a comparison matrix to determine best preliminary alternatives moving forward to meet the purpose and need of the project. Compiled meeting agenda materials and minutes.
04/19 – 6/21	**H.013817.1 LA 117 Improvements Stage 0 (Vernon and Natchitoches Parishes, LA)** Kristen served as project engineer responsible for a **Stage 0** study for 18 miles of two-lane LA 117 from LA 8 to LA 118. The study evaluated the impacts of correcting deficient vertical and horizontal geometry along the corridor, widening for the addition of shoulders, and adding passing lanes and turn lanes at strategic locations along the corridor. Kristen was responsible for performing the safety analysis including crash rate number method, over-representation, CAT Scan quality assurance, HSM existing safety analysis, and No-Build Analysis. Kristen designed high-level concept exhibits, evaluated environmental impacts, and prepared high level cost estimates

	and comparison matrices to determine which preliminary alternatives best meet the purpose and need of the project. Kristen compiled all findings in the **Stage 0** report and coordinated with stakeholders and local agencies to ensure the purpose and need of project is met.
03/19 – 11/19	**H.012311 LA 429 Connector Stage 0 (Ascension Parish, LA)** Kristen was the task leader for the preparation of a **Stage 0** study to evaluate alignments for a limited-access corridor (LA 429) near I-10, between LA 30, LA 73, and US 61. Two alternatives for the widening and reconstruction of LA 429 were evaluated. The scope consisted of stakeholder and public meetings, site visits and data collection, phasing of alternative development for the corridor, scope and budget checklists, and an opinion of probable cost to prepare the **Stage 0** Report. Kristen served as the civil engineer responsible for designing high level concept exhibits and comparison matrix to determine the best preliminary alternatives moving forward to meet the purpose and need of the project. Compiled meeting agenda materials and minutes, coordinated with interchange study consultants for a cohesive project, and wrote report.
11/18 - 3/21	**H.013322 LA 3040 Feasibility / Safety Study Stage 0 (Houma, LA)** Kristen served as project engineer for a study to identify safety and operational issues along 2.5 miles of Martin Luther King Boulevard (LA 3040) in Houma, LA to evaluate reasonable alternatives to address any deficiencies discovered. Kristen was responsible for compiling a data collection plan for submittal to DOTD, including count locations, determined peak periods, and peak hours. Kristen performed peak period observations in the field and geometric field checks, as well as **unmet demand observations and calculations**. Kristen prepared TMC figures, as well as performed existing analysis in Vistro. Compiled all data collected into Appendices A and B per the DOTD Traffic Process and Report and wrote Chapter 1 of report. Kristen represented the project at stakeholder meetings to discuss project status.
04/18 – 04/19	**H.011243.1 I-49 at US 190 and LA 31 Interchange Improvements Stage 0 (St. Landry Parish, LA)** Kristen was the project engineer responsible for crash and safety analysis, report writing, planning, and designing for this **Stage 0** Study to evaluate alternatives to improve traffic operations and safety at the I-49 interchanges with US 190 and LA 31. Crash and safety analysis was performed using the LADOTD CAT Scan tool and IHSDM, and line and grade was prepared to DOTD Design Standards for various corridors, including arterial collectors and freeway ramps. Close coordination with traffic engineer ensured maximum improvement of safety and operations given limited right-of-way and utility conflicts along the corridors.
09/17 – 09/18	**H.011160 LA 73 Corridor Study Stage 0 LA 74 to LA 621 (Ascension Parish, LA)** Kristen was the designer responsible for concept development, report writing, and impact analysis for a **Stage 0** study. The purpose of the study was to evaluate conceptual alternatives to improve capacity and operations along the LA 73 corridor and its connecting transportation network. The scope included the evaluation of three interchange configurations for the interchange of I-10 at LA 73 in conjunction with two corridor alternatives for LA 73, resulting in six different alternatives for which line and grade, impacts, and high-level cost estimates were prepared.
11/16 – 07/17	**H.001271 Cane River Bridge Church Street Route LA 1-X Environmental Assessment** Kristen was the project engineer responsible for assisting with the site visits, data organization, **analysis of permanent alternatives and traffic control alternatives**, and traffic report to aid in the delivery of an environmental assessment for the Cane River Bridge Replacement

Staff Experience:

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

Firm employed by	Royal Engineers and Consultants, L.L.C.				
Name	Katherine Foreman, 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. / 2017 / Civil Engineering		
Active registration number / state / expiration date			46031 / LA / 03-31-2026		
Year registered	2021	Discipline	Professional Engineer, Civil		
Contract role(s) / brief description of responsibilities			Engineer, Bridge Hydraulics and Roadway Drainage		

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).
9+ years of experience	Ms. Foreman has 9 years of experience in civil engineering design on project types including bridge hydraulic analysis and design, roadway drainage analysis and design, storm drainage systems, and asphalt and concrete road design. Her expertise includes familiarity with LADOTD design manuals and specifications, ADA requirements, and AASHTO standards and the use of various software packages for H&H design and analysis such as HEC-HMS, HEC-RAS, LADOTD HYDR programs, HY8, and Autodesk Storm and Sanitary Analysis.
05/2023 - Ongoing	**H.015009 W. Metairie Avenue Over S. Suburban Canal Off System Bridge – Jefferson Parish, LA** **Lead Design Engineer.** Responsibilities include managing all aspects of design and client relations, overseeing plan production in accordance with the Off-System Highway Bridge Program Guidelines, leading the hydraulic analysis and design for all viable alternatives for the bridge replacement in accordance with the LaDOTD Hydraulics Manual, and coordinating survey efforts. Services provided by Royal included Preliminary Plans and Specifications.
02/15 – Ongoing	**Con-Span Canal Crossings HMP - St. Bernard, LA** **Project Manager, Hydraulics Lead.** Led the hydraulics assessment and analysis for three (3) drainage canal crossings in St. Bernard Parish to evaluate the cost impact of replacing the existing culvert configuration with a pre-cast Con-Span bridge system. Assisted in performing the hydraulics analysis of the effects of replacing two 72" reinforced concrete pipe culverts with a 26'-0" wide clear span, two 96" corrugated metal pipe culverts with a 26'-0" wide clear span, and two 60" corrugated metal pipe culverts with a 26'-0" wide 72'-0" long clear span.
08/20 - ongoing	**Indian Creek Low Water Crossing - Fort Polk, LA** **Lead Design Engineer, Project Manager.** Designed the horizontal geometry of proposed new road and supported the design team with Hydraulic Modeling, culvert sizing, and development of plans and specifications for the design and construction of an approximately 1.2 mile aggregate roadway and reinforced concrete low water crossing. Serves as Project Manager.
08/15 – 11/21	**Polly Lane Extension – Lafayette, LA** **Engineer Intern.** Responsible for performing engineering design support for the extension and connection of both ends of Polly Lane, inclusive of roadway reconstruction and widening, curb and gutter and subsurface drainage, a concrete box culvert, sidewalks, and lighting. Performed engineering analyses for design of the storm drainage system, provided engineering support during construction, and oversaw resident inspection services throughout construction.

Firm employed by	**Royal Engineers and Consultants, L.L.C**			
Name	**Michael Pugh, P.E.**		Years of relevant experience with this employer	19
Title	President and Chief Executive Officer		Years of relevant experience with other employer(s)	11
Degree(s) / Years / Specialization			B.S. / 1997 / Civil Engineering	
Active registration number / state / expiration date			30911 / LA / 3-31-2026	
Year registered	2003	Discipline	Professional Engineer, Civil	
Contract role(s) / brief description of responsibilities			Principal Engineer, Bridge Hydraulics and Roadway Drainage	

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).
25+ years of experience	Mr. Pugh has over 25 years of experience in design and construction management of roadways, bridge/water crossing structures, and roadway drainage systems. He is a Registered Professional Engineer in 8 states, including Louisiana.
02/15 - Ongoing	**Con-Span Canal Crossings HMP - St. Bernard, LA** **Principal Engineer.** Royal performed an assessment of three (3) drainage canal crossings in St. Bernard Parish to evaluate the cost impact of replacing the existing culvert configuration with a pre-cast Con-Span bridge system. Royal performed engineering analysis of all three water crossings to assess the best design approach for St. Bernard, to build resilient crossing structures and use the design to increase the existing hydraulic capacity of the canals. As the lead Principal, Mr. Pugh served as the lead design engineer, responsible for coordinating project governance, structural, hydraulic assessment and modeling, and final plans and specifications for the replacement of six culverts with pre-cast Con-Span bridges while increasing the existing hydraulic capacity of the canal.
04/19 - Ongoing	**East Hardy Bridge Design and Replacement- New Orleans, LA** **Principal Engineer.** Served as Principal Engineer for a bridge design and layout, creation of plans and specifications and calculation of probable cost estimates to design a replacement of the East Hardy Street Bridge. This bridge is a two-lane bridge located on the Leaf River in Petal, Mississippi that was identified for replacement through the Emergency Road and Bridge Repair Fund. Mr. Pugh participated in Design Reviews and served as Civil Engineering Subject Matter Expert.
11/19 - Ongoing	**City of New Orleans Roadway Restoration Program CM and Inspection – New Orleans, LA** **Principal Engineer.** Provides civil engineering services for a construction management initiative by the Department of Public Works (DPW) in New Orleans. Royal provides construction management and resident inspection services for the Roadway Restoration Program CM and Inspection. This project includes restoration of parish concrete and asphalt roadways and associated infrastructure (i.e., sidewalks, driveways, drainage, sewer, and water). Construction services are being performed by multiple contractors overseen by Royal.
01/98 - 08/00	**LA DOTD - Off System Bridge Program, Iberia Parish, LA** **Engineer Intern.** Mr. Pugh was responsible for maintaining and supervising all Iberia Parish's Off-System Bridge Program. This project included intermediate inspection of bridges, recommendations for repairs, supervised repair work, coordination with DOTD and Parish officials, and maintenance of detailed bridge files.

Firm employed by	**Royal Engineers and Consultants, L.L.C**		
William Fontenot, Jr., P.E.		Years of relevant experience with this employer	3
Professional Engineer		Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization		B.S. / 2012 / Civil Engineering	
Active registration number / state / expiration date		41036 / LA / 3-31-2025	
Year registered	2016	Discipline	Professional Engineer, Civil
Contract role(s) / brief description of responsibilities		Engineer, Bridge Hydraulics and Roadway Drainage	

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).
12+ years of experience	Mr. Fontenot has more than 12 years of experience in civil and structural engineering, construction consulting, and structural inspection and repair. He has performed on-site inspection of structural deficiencies of statewide projects and engineered safe, economic approaches to specific construction problems related to various heavy construction projects. He has significant experience and familiarity with MUTCD, AASHTO, AISC, ACI, and LADOTD design manuals and codes.
05/2023 - Ongoing	**H.015009 W. Metairie Avenue Over S. Suburban Canal Off System Bridge – Jefferson Parish, LA** **Civil/Structural Engineer, QA/QC.** Performs civil/structural analysis and design for a proposed bridge replacement of an existing slab span bridge at West Metairie Avenue over the South Suburban Canal in Jefferson Parish. Performs QA/QC of all design deliverables.
11/22 - Ongoing	**East Bank Sediment Transport Corridor–Hwy 15 Road Reconstruction and Canal Crossings–Plaquemines/St. Bernard Parishes, LA** **Civil/Structural Engineer.** Responsible for designing canal crossing structures and sheet pile bulkhead systems, overseeing the structural design of box culverts and retaining walls, and performing design reviews for the design of roadway regarding and reconstruction to facilitate installation of a permanent pipeline casing adjacent to the Mississippi River Levee.
12/14 - 10/17	**St. Martin Parish Off-System Bridge Maintenance, St. Martin Parish, LA.** **Engineer.** Performed in-depth inspections of the deck, superstructure and substructure of the approach spans of all of the off-system bridges maintained by St. Martin Parish. Assisted in bridge load ratings and provided an assessment report of bridges including potential repair plans.
12/16 – 11/17	**Seabrook Bridge Repairs, Orleans Parish, LA** **Engineer**. Provided engineering support and construction consulting for the replacement of steel bottom-chord members of a Stauss-Truss Rolling-Lift bascule railroad bridge. Designed temporary support chords, gusset plates, and access platforms for replacement of permanent truss members. Coordinated with railroad traffic personnel to optimize construction phasing. Assisted contractor and laborers with review and compliance with design plans and produced RFIs for changes to design.
10/16 – 08/17	**Yscloskey Vertical Lift Bridge Painting, St Bernard Parish, LA** **Engineer.** Assisted with design and details for a paint containment system, survey and geometric site layout of new operator house foundation, and phasing plans for different construction activities.

17. Firm Experience:

Firm name	**Huval & Associates, Inc.**		Past Performance Evaluation Discipline(s)*	**Road, Bridge**	
Project name	**I-49 @ Verot School Road**		Firm responsibility (prime or sub?)	**Prime**	
Project number	H.011235.5	Owner's name	LADOTD		
Project location	Lafayette, Louisiana		Owner's Project Manager	Corey Landry, P.E.	
Owner's address, phone, email	1201 Capitol Access Rd., Baton Rouge, LA 70804, (225) 379-1065, corey.landry@la.gov				
Services commenced by this firm (mm/yy)	06/16	Total consultant contract cost ($1,000's)		$6,371	
Services completed by this firm (mm/yy)	On Going	Cost of consultant services provided by this firm ($1,000's)		$1,824	

HUVAL leads a group of firms providing design engineering and related services to convert 2.4 miles of a divided arterial roadway with open ditch drainage to a 6-lane urban mainline freeway with an elevated interchange at the intersection of future 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 and the parallel railroad. 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). A roundabout will be utilized as the intersection between the reconstructed and realigned Verot School Road and South College Drive.

Key Project Members:

David Huval, Sr., Principal, Structural Design
Thomas Gattle, Project Manager, Lead Design
Nick Helminger, Design Engineer (Roadway)
Michelle Helminger, Design Engineer (Roadway)
Justin Peltier, Design Engineer

The design phase of the project is presently being completed with Signed Final Plans set for the 4th quarter of 2024. The complex project consisted of a topographic and property survey, SUE services, traffic engineering analysis, roadway design, bridge design, hydraulic design and geotechnical design. The project consisted of public meetings and outreach and required extensive coordination with the BNSF Railroad and businesses along the corridor.

The Final Plans are 98% complete with Final ROW Maps completed. Huval is responsible for overall project management, lead bridge design, lead roadway design and lead drainage design. The estimated construction cost for the project is $200M.

Firm name	**Huval & Associates, Inc.**		Past Performance Evaluation Discipline(s)*	**Road, Bridge**	
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 Oliver, 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)	On Going	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.

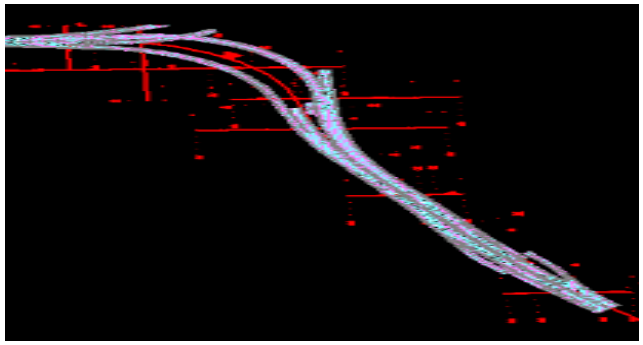
HUVAL was also responsible to assist the LADOTD with project segmentation (to determine useable construction segments and MOT) and development of formal documents for Project Management Plan, Project Implementation Plan, Project Financial Plan, and Project Risk Matrix. These documents will provide the 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.

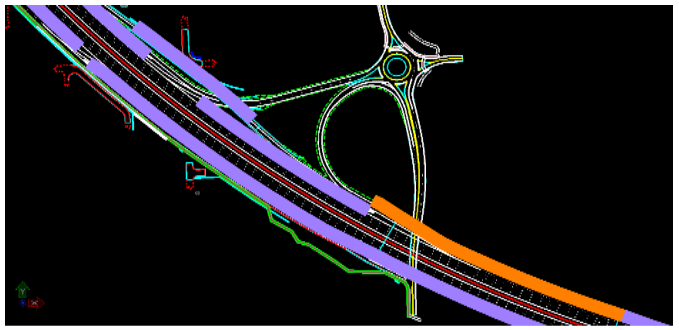
HUVAL, with the cooperation of Subconsultants, DOTD and CMAR Contractor, is designing both the roadway and bridge for the stages of construction and final layout of the first phase of the project extending from the I-10 EB Mainline Ramp past the City Park Lake Bridge.

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 Helminger, 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)*	**Road, 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)	05/23	Total consultant contract cost ($1,000's)	$12,950
Services completed by this firm (mm/yy)	On Going	Cost of consultant services provided by this firm ($1,000's)	$5,640

HUVAL, in association with James Construction as the Contractor, are the Lead Design Engineers for the project to construct the new four lane bridge across the Red River in Bossier/Caddo Parish. The $360M Design-Build project includes the reconstruction of nearly two miles of LA 511 into a modern, four lane median divided highway with 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. Presently, the design phase of the project is mostly complete except for the existing bridge rehabilitation and design of the Linear Park. HUVAL is also performing construction erection design services for the project.

***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	**Huval & Associates, Inc.**	Past Performance Evaluation Discipline(s)*	**Road, Bridge**
Project name	**Comite River Diversion Bridges at LA 19 and LA 67**	Firm responsibility (prime or sub?)	**Prime**
Project number	4400017421	Owner's name	LADOTD
Project location	East Baton Rouge, Louisiana	Owner's Project Manager	Christina Brignac, PE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70804, (225)379-1395, christina.brignac@la.gov		
Services commenced by this firm (mm/yy)	10/19	Total consultant contract cost ($1,000's)	$1,600
Services completed by this firm (mm/yy)	On Going	Cost of consultant services provided by this firm ($1,000's)	$1,300

HUVAL designed all aspects of this CMAR project. Presently the project is in the Construction Phase.

The road and bridge projects are in East Baton Rouge Parish, Louisiana at the point where the channel of the future Comite River Diversion Canal (CRDC) intersects with existing LA 19 and LA 67. The sites are located just north of Baton Rouge and south of Baker. The projects includes the rebuilding of the rural roadways along with both highway and railroad bridges across the Comite River Diversion Channel.

The new channel will pass under the existing at-grade Geaux Geaux Railroad running north-south adjacent to LA 19. The new single-track railroad bridge will be approximately 350' long over the completed channel. Coordination with the railroad is critical in order to maintain rail service during construction. A shoofly track has been designed for maintenance of rail traffic while the new channel and new railroad bridge are constructed.

The rural highway project's scope of work includes preparing roadway and bridge plans, specifications and design documentation for a portion of the CRDC. The twin parallel bridges are approximately 350 feet long, with a finished clear width of 40 feet for all bridges for LA 19 and LA 67. Existing traffic is being maintained via a parallel temporary diversion roadway for LA 67. LA 19 is a 4-lane divided arterial in which each direction will temporarily accommodate opposing traffic while the bridges and approach roadways are being constructed

Huval & Associates, Inc. performed 100% of the work for this project in Louisiana.

Key Project Members:

David S. Huval, Sr., Principal
Thomas Gattle, Project Manager / Lead Engineer
Rudy McLellan, Bridge Design Engineer
Justin Peltier , Bridge Design Engineer
Colby Guidry, Design Engineer, QA/QC
Nicholas Helminger, Road Design Engineer

Firm name	**Huval & Associates, Inc.**	Past Performance Evaluation Discipline(s)*	**Road, Bridge**
Project name	**I-220/I-20 Interchange Imp & BAFB Access Design-Build Project**	Firm responsibility (prime or sub?)	**Prime**
Project number	H.003370	Owner's name	LADOTD
Project location	Shreveport, Louisiana	Owner's Project Manager	Corey Landry, P.E.
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70804, (225)379-1065 , corey.landry @la.gov		
Services commenced by this firm (mm/yy)	08/18	Total consultant contract cost ($1,000's)	$4,411
Services completed by this firm (mm/yy)	On Going	Cost of consultant services provided by this firm ($1,000's)	$2,166

HUVAL, as Lead Designer, teamed with James Construction Group for the I-220/I-20 Interchange Imp & BAFB Access Design-Build Project and was selected by LADOTD February 2019 with the project being completed on-time in 2022.

The I-220/I-20 Interchange Imp & BAFB Access Design-Build Project consisted of extending I-220 as a 4-lane freeway (Barksdale Access Road) south over I-20 to proposed ramp gores for ramps W-S and S-E at Musselshell Bayou then continuing south as a 4-lane rural arterial, crossing over the KCS RR, ending on BAFB property. Included was the modification of the existing I-220/I-20 interchange to also provide direct access from I-20 to Barksdale Access Road. Cost of the project was $72 million. Saving $10 million for the LADOTD, a HUVAL-developed Alternative Technical Concept (ATC) was accepted by LADOTD and incorporated into the project. This ATC changed the IMR concept for the I-220/Barksdale Road northbound exit to I-20 westbound entrance (Ramp NB-WB) from an elevated semi-direct flyover ramp (Ramp S-W in the IMR) to an at-grade loop ramp. This ATC partial cloverleaf design extends the collector-distributor road for the I-20 westbound exit to the I-220 southbound entrance (Ramp WB-SB) included in the IMR concept in order to connect NB to WB traffic to the I-220 southbound to I-20 westbound entrance ramp (Ramp SB-WB).

HUVAL's design responsibilities for the I-220 interchange project included Lead Designer, project management, roadway geometrics and design, bridge design, sequence of construction, and traffic control plans.

HUVAL also provided construction engineering support for James Construction Group during the construction phase of the project.

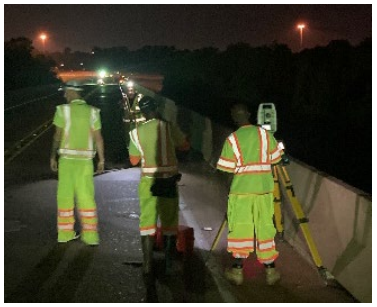
Key Project Members:

Thomas Gattle, Design Manager
Justin Peltier, Lead Bridge Design
Bob Schmidt, Traffic
Reid Romero, Bridge Design
Colby Guidry, Design and Construction Liaison
Nicholas Helminger, Road Design

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

Firm name	**NTB Associates, Inc.**		Past Performance Evaluation Discipline(s)*	****Survey, Other (SUE), Right-of-Way**	
Project name	**Jimmie Davis Bridge (LA 511) Design-Build**		Firm responsibility (prime or sub?)		**Sub**
Project number	H.001779	Owner's name	LaDOTD Baton Rouge/ James Construction/ Huval & Associates, Inc.		
Project location	Bossier & Caddo Parishes, LA		Owner's Project Manager	Mr. Aaron Dupont	
Owner's address, phone, email	18484 E. Petroleum Drive, Baton Rouge, LA 70809 (225) 442-6362 adupont@prim.com				
Services commenced by this firm (mm/yy)	01/22		Total consultant contract cost ($1,000's)		$1,140
Services completed by this firm (mm/yy)	On going		Cost of consultant services provided by this firm ($1,000's)		$1,140

NTBA is performing static GPS control, **topographic and property surveying services,** traffic control, utility coordination services, QL A, B, C, & D utility designating/locating, as well as preparing **title takeoffs, 60% Right-of-Way Maps, Final Right-of-Way Maps, and legal descriptions** for the design-build project to replace the Jimmy Davis Bridge across the Red River. The scope of this project consists of constructing a new four lane structure carrying LA 511 across the Red River, converting LA 511 (Jimmie Davis Hwy) into a four-lane, median-divided highway on the east side of bridge; as well as providing full access interchanges between LA 511 and Clyde Fant Memorial Parkway and Arthur Ray Teague Parkway. **NTBA** designed and implemented a Traffic Control Plan for a bridge closure to verify the horizontal and vertical control set by **LaDOTD** during the original survey and verified the vertical control for both sides by running digital levels across the bridge, which was not performed in the original survey. All of this was completed during night shifts to ensure the safety of employees and the public as well as to avoid traffic disruptions.



NTBA performed **property surveys and title take-offs** for approximately 50 properties adjacent to the route and a **property survey** submittal prepared with apparent **right-of-way** shown. **Final Mylar Right-of-Way Maps** have been submitted for 21 parcels requiring **right-of-way taking.** The set included 21 plans sheets and one title sheet.

NTBA performed SUE services to designate all utilities within the project limits. A conflict matrix was created showing the utilities in conflict with the construction. We are coordinating with the utility owners to relocate utilities that conflict with the construction and will monitor the relocation to ensure compliance with relocation plans. **NTBA** is utilizing the Louisiana Department of Transportation Survey and Design Manual Addendum A as well as CI/ASCE Standard 38-02.

Firm members involved who are in this 24-102:

B. Bunch	**M. King**	**A. King**	**C. LeCoq**
G. Gilleon	**I. Jack**	**C. Chapman**	**W. Offer**
P. Staiano	**C. Harlan**	**T. Sitton**	**W. Wales**

Firm name	**NTB Associates, Inc.**	Past Performance Evaluation Discipline(s)*	****Survey, Right-of-Way, Other (SUE)**
Project name	**CenterPoint Surveying Services MSA**	Firm responsibility (prime or sub?)	**Prime**
Project number	Over 100 Projects with different numbers / Owner's name	CenterPoint Energy	
Project location	North & South Louisiana Parishes	Owner's Project Manager	Mr. Ronald E. (Gene) Prather, PLS
Owner's address, phone, email	1111 Louisiana Street, Houston, TX 77002 (318) 429-4211 ronald.prather@centerpointenergy.com		
Services commenced by this firm (mm/yy)	08/22	Total consultant contract cost ($1,000's) *Task Orders to date*	$918.7
Services completed by this firm (mm/yy)	On going	Cost of consultant services provided by this firm ($1,000's)	$918.7

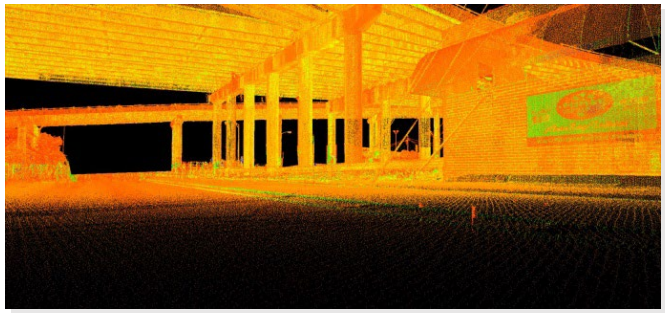
NTBA performs **topographic surveys, boundary surveys, right-of-way mapping,** and SUE services for CenterPoint Energy as part of an on-going contract statewide in support of CenterPoint Energy's maintenance and construction projects. **NTBA** began working directly as a surveying subconsultant for CenterPoint Energy in 2022, and to date **NTBA** has worked on over 100 separate projects stretching from Lake Charles to Lafayette to Shreveport, and along the Northshore of Lake Pontchartrain. Prior to 2022, **NTBA** performed the same work for CenterPoint under a separate contract with JW Porter. **NTBA's** projects range from single day surveying projects on residential properties to multi mile utility locating and **right-of-way surveying** projects. The scope of a typical project is a surveying project to locate sufficient **topographic survey data and boundary monumentation to reestablish existing property lines, existing road right-of-way lines, and existing utility servitudes before staking the proposed right-of-way** for CenterPoint's construction group.

A typical job includes reviewing all provided **title research and requests for additional plats, deeds, etc.** that may be needed from CenterPoint or performing our own **title takeoffs.** A project survey control is established, the search for **property monumentation and property surveying** begins. **NTBA's** staff of professional land surveyors then reviews the data for completeness and performs **boundary analysis and calculations** for development of stakeout files for the field crews to **stake the existing and/or proposed right-of-way**. After completion of the field work, **NTBA's** survey and CADD technicians prepare the required **COGO** and CADD files for submission to CenterPoint. If required, a plat or plan and profile sheet will be prepared.

Firm members involved who are in this 24-102:

B. Bunch	**M. King**	**A. King**	**C. LeCoq**
G. Gilleon	**I. Jack**	**C. Chapman**	**W. Offer**
P. Staiano	**T. Sitton**	**W. Wales**	

Firm name	**NTB Associates, Inc.**		Past Performance Evaluation Discipline(s)*	**Survey, Other (SUE)**	
Project name	**I-10: LA 415 to Essen Lane on I-10 and I-12**		Firm responsibility (prime or sub?)	**Prime**	
Project number	44-12323, 44-17713, 44-14660 - Multiple TOs	Owner's name	LaDOTD Baton Rouge		
Project location	West & East Baton Rouge Parishes, LA		Owner's Project Manager	Mr. Nicholas J. Olivier, PE	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802 (225) 379-1133 nicholas.olivier@la.gov				
Services commenced by this firm (mm/yy)	12/17	Total consultant contract cost ($1,000's)		$8,743	
Services completed by this firm (mm/yy)	09/24	Cost of consultant services provided by this firm ($1,000's)		$5,375	



This project began in 2017 and has continued throughout the years under separate **LaDOTD** Task Orders for additional work. **NTBA** is currently performing **topographic surveys** near the I-10 and I-110 interchange for three additional areas. **NTBA** has performed Static GPS control surveys, **topographic surveying services,** HDS 3D Terrestrial Laser Scanning, and subsurface utility engineering services throughout the approximately 11 miles of the project corridor of I-10 and approximately 2 miles of the project corridor of I-12 in West Baton Rouge and East Baton Rouge Parishes, including all surface streets and drainage ways within and surrounding the project corridor. **NTBA** was the prime consultant and in direct supervision and control of 7 sub-consultants with multiple project milestones.

Topographic surveying utilized conventional surveying, Static/ RTK GPS, and HDS 3D Terrestrial Laser Scanning methods of data collection. The project also included several lane closures of the interstate which were all accomplished by **NTBA** staff, and most were completed at night.

NTBA also developed surface models from LiDAR data obtained from our survey crews as well as those of the 3 other sub-consultants. This involved much coordination with the sub-consultants to ensure that the surfaces were seamless at the transitions between the different surveys.

NTBA performed QL B, C, and D utility designating services as part of this project. **NTBA** provided designating crews and provided coordination between 2 other SUE sub-consultants. As the prime and because of the extensive scope of this project, the project was split into multiple sections with each of the 3 SUE firms receiving their own sections with differing submittal deadlines.

Drawings with aerials and MicroStation files were provided as the deliverable. This project is being completed in accordance with the most current edition of the Location and Survey Manual and all currently accepted Location and Survey Automation procedures.

Firm members involved who are in this 24-102:

B. Bunch	**M. King**	**A. King**	**C. LeCoq**
G. Gilleon	**I. Jack**	**C. Chapman**	**W. Offer**
P. Staiano	**T. Sitton**	**W. Wales**	

Firm name	**Vectura Consulting Services, LLC**	Past Performance Evaluation Category(ies)*	**Traffic**
Project name	**I-10 ITS Scott to Lake Charles**	Firm responsibility (prime or sub?)	**Sub**
Project number	H.013256.5	Owner's name	DOTD
Project location	I-10 (District 07)	Owner's Project Manager	Roy Esteven, PE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225-379-2527, Roy.Esteven@LA.gov		
Services commenced by this firm	01/21	Total consultant contract cost ($1,000's)	unknown
Services completed by this firm	03/21	Cost of consultant services provided by this firm ($1,000's)	$20,162

Vectura performed a Level 2 **Traffic Management Plan** (TMP) for the construction of ITS equipment along I-10. The plan included the following activities:

- safety strategy that included a CAT Scan,
- LOS determination utilizing Citrix data,
- lane closure recommendations based on a queue analysis,
- cost estimate,
- and public information strategies.

Applicable for this project {Required (✓)}	Level 2 TMP Components	Stage 0	Stage 1	Stage 3 Preliminary 60% Submittal	Stage 3 Final 90% Submittal	Workflow Notes
	Analysis	**Percent Complete**				
	• Detour Analysis	100%				①
	• Queue Analysis according to EDSMVI.1.1.4	100%				①
	Documentation	**Percent Complete**				
✓	• TTC Details			50%	100%	⑦
	• TTC Plan (based on type and location of construction)			50%	100%	⑦
	• Mitigation (if the current roadway is LOS F)	60%	100%			④
	• Mitigation (if the roadway is on the Abnormal Crash Location list)	60%	100%			④
	• Evacuation Strategy (if used as an evacuation route)	100%				④
	• Work Restrictions	20%	50%	70%	100%	④
✓	• Basic Public Information release at the District level			60%	100%	⑧

Personnel Utilized on this project: Laurence Lambert, Brin Ferlito, Reece Rodrigue, & Kristen Farrington (100% performed in Louisiana)

Firm name	**Vectura Consulting Services, LLC**		Past Performance Evaluation Discipline(s)*	**Traffic, CE&I/OV**	
Project name	**Belle Chasse Bridge & Tunnel Replacement PPP**		Firm responsibility (prime or sub?)	**Sub**	
Project number	H.004791	Owner's name	DOTD		
Project location	Belle Chasse, LA		Owner's Project Manager	Nickolas Olivier, PE	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225-379-1133, Nicholas.olivier@la.gov				
Services commenced by this firm (mm/yy)	04/19	Total consultant contract cost ($1,000's)	unknown		
Services completed by this firm (mm/yy)	On Going	Cost of consultant services provided by this firm ($1,000's)	$211,890		

Vectura is providing the traffic engineering services for the Belle Chasse Bridge & Tunnel Replacement Project for improvements along LA 23. Vectura is responsible for the following tasks:

- Preliminary and final traffic studies
- Temporary and final traffic signal plans
- Assist the Prime with Traffic Management Plan (TMP)
- Response to request for information (RFI's)
- As-built plans for the traffic signals

Personnel Utilized on this project: Brin Ferlito, Laurence Lambert, and Reece Rodrigue (100% performed in Louisiana)

Firm name	**Vectura Consulting Services, LLC**	Past Performance Evaluation Discipline(s)	**Traffic**
Project name	**I-20: LA 544 Overpass Replacement**	Firm responsibility (prime or sub?)	**Sub**
Project number	H.010616	Owner's name	DOTD
Project location	Baton Rouge, LA	Owner's Project Manager	Jacob Fusilier
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225-379-1185, Jacob.Fusilier@la.gov		
Services commenced by this firm	04/23	Total consultant contract cost ($1,000's)	Unknown
Services completed by this firm	10/23	Cost of consultant services provided by this firm ($1,000's)	$131,973

Vectura performed a Level 2 **Traffic Management Plan** (TMP) that included the following activities:

- Preliminary and final traffic studies
- Temporary and final traffic signal plans
- Traffic Management Plan (TMP)
  - safety strategy that included a CAT Scan,
  - LOS determination utilizing Citrix data,
  - lane closure recommendations based on a queue analysis,
  - cost estimate,
  - and public information strategies.

Personnel Utilized on this project: Laurence Lambert, Brin Ferlito, Reece Rodrigue, & Kristen Farrington (100% performed in Louisiana)

Firm name	**Royal Engineers and Consultants, L.L.C.**		Past Performance Evaluation Discipline(s)*	**Road, Bridge**	
Project name	**DOTD OSBR West Metairie Ave Bridge**		Firm responsibility (prime or sub?)	**Prime**	
Project number	100134	Owner's name	DOTD/Jefferson Parish		
Project location	Jefferson Parish, LA		Owner's Project Manager	Barbara Ostuno, P.E.	
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70804 (225) 379-1047, barbara.ostuno@la.gov				
Services commenced by this firm (mm/yy)	05/23		Total consultant contract cost ($1,000's)	$93	
Services completed by this firm (mm/yy)	On Going		Cost of consultant services provided by this firm ($1,000's)	$93	

Royal is providing engineering and related services required for developing plans for the replacement of an existing slab span bridge at West Metairie Avenue over the South Suburban Canal in Jefferson Parish, which is off the State Highway System. Royal is managing all aspects of design and client relations, overseeing plan production in accordance with the Off-System Highway Bridge Program Guidelines, leading the hydraulic analysis and design for all viable alternatives for the bridge replacement in accordance with the DOTD Hydraulics Manual, and coordinating survey efforts. Other services to be provided by Royal include preliminary plan production, environmental services including solicitation of views, categorical exclusion clearance, wetland studies, and other information needed for the Environmental Clearance process. Royal coordinated topographic surveying services for the project, with survey deliverables provided in accordance with the OSBR Program Guidelines and the LADOTD Location and Survey Manual.

Royal completed the survey phase of the project and has completed Preliminary Plans and Specifications. Preliminary design has identified an increase in construction costs associated with the intended design, and Royal is coordinating with DOTD regarding supplemental funds for construction to move forward with preparing Final Plans and Specifications.

Key Personnel: Katherine Foreman, P.E. (Lead Design Engineer, Hydraulic Lead, Project Manager)
William Fontenot, P.E. (Structural Engineer, QA/QC)

Firm name	**Royal Engineers and Consultants, L.L.C.**		Past Performance Evaluation Discipline(s)*	**Road, Bridge**	
Project name	**Con Span Canal Crossings HMP**			Firm responsibility (prime or sub?)	**Prime**
Project number	Not applicable	Owner's name	St. Bernard Parish, Louisiana		
Project location	St. Bernard Parish		Owner's Project Manager	Donald Bourgeois, Jr.	
Owner's address, phone, email	8201 W. Judge Perez Drive, Chalmette, LA 70043, (504) 278-4227, drbrougeois@sbpg.net				
Services commenced by this firm (mm/yy)	02/15	Total consultant contract cost ($1,000's)		$461	
Services completed by this firm (mm/yy)	On Going	Cost of consultant services provided by this firm ($1,000's)		$461	

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

Royal was selected to perform an assessment of three (3) drainage canal crossings in St. Bernard Parish to evaluate the cost impact of replacing the existing culvert configuration with a pre-cast Con-Span bridge system. Royal performed engineering analysis of three locations to assess bridge crossing repair and rehabilitation options under the St. Bernard Parish Hazard Mitigation Program Canal Crossings project.

Our team obtained field data and performed a visual assessment of the three existing culvert crossings, verified the sizes/number of culverts at each location, collected site photographs, and documented adjacent utilities and pipeline markers. We coordinated with Parish representatives to obtain topographic information and existing AutoCAD files of each canal crossing, and extracted the geometric data required for calculating conveyance capacities of each canal. We performed a three-step hydraulic analysis of each location to evaluate the drainage performance of the crossing structure under existing and proposed conditions, determined discharge capacities of the canals, culverts, and Con-span structures using Manning's Equation for open-channel flow.

Royal prepared preliminary drawings (plan-views and typical sections) of the recommended Con-Span system at each crossing location, along with an analysis which summarized the methods, findings, and recommendations of the hydraulic and cost analyses for the Con-Span replacement structures. We designed final plans and specifications for the installation of six (6) Con Span bridge systems over the three Canal Crossings to facilitate increased canal flow capacity and substantially reduce the risk of backwater flooding, including the planning for all the repair and rehabilitation of the existing infrastructure as a component of final plans, including roadways, bridge approaches, and water and sewer systems.

Key Personnel: Michael Pugh, P.E. (Principal Engineer)
Katherine Foreman, P.E. (Project Manager, Hydraulics Lead)
William Fontenot, P.E. (Structural Engineer, QA/QC)

Firm name	**Royal Engineers and Consultants, L.L.C.**		Past Performance Evaluation Discipline(s)*	**Road, Bridge**	
Project name	**Indian Creek Low Water Crossing**		Firm responsibility (prime or sub?)	**Sub (Design on D-B)**	
Project number	Not applicable	Owner's name	United States Army Corps of Engineers		
Project location	Fort Polk, Louisiana		Owner's Project Manager	Wayne Procell, DCMS	
Owner's address, phone, email	4101 Viking Dr., Suite O, Bossier City, LA 71111, (601) 831-3131, wayne.procell@dcmsgov.com				
Services commenced by this firm (mm/yy)	11/20	Total consultant contract cost ($1,000's)		$621	
Services completed by this firm (mm/yy)	06/24	Cost of consultant services provided by this firm ($1,000's)		$621	

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

Royal was selected to provide professional engineering design for a Design-Build project for the U.S. Army Corps of Engineers (USACE) project located near Fort Polk, LA. The purpose of the project was to restore and widen approximately 2.4 miles of the existing Sagebrush Road and to design and construct a 1.2 mile new roadway and low water crossing (LWC) structure to provide connectivity across Indian Creek. The design included an aggregate roadway and road base, open ditch drainage, a reinforced concrete culvert crossing, a reinforced concrete low water crossing structure, object markers and signage, and gates. Royal delivered drawings, specifications, design reports, and a Storm Water Pollution Prevention Plan (SWPPP), as well as engineering support during construction.

Royal developed a two-dimensional HEC-RAS model to analyze the existing Indian Creek floodplain and design the LWC structure in accordance with the design criteria. The LWC was required to be designed as either a raised roadway with vents, or a vented low water crossing. For a raised roadway with vents, the structure had to be sized to carry at minimum a 100-year rain event. For a vented low water crossing, the structure had to be sized to provide a dry crossing for a 25-year rain event and allow no more than 1 and 2 ft of water depth for the 50-year and 100-year rain events, respectively. The required length of vented low water crossing was estimated to be 400 ft.

Upon completion of preliminary HEC-RAS modeling, Royal found that the modeled floodplain width far exceeded the estimated 400 LF of crossing estimated by the contract and required a design of a LWC structure up to 1500 linear foot in length. Royal performed additional HEC-RAS modeling, prepared supplemental reports, and prepared conceptual drawings using AutoCAD Civil3D to help the USACE assess actual total construction costs associated with a larger LWC.

Key Personnel: Katherine Foreman, P.E. (Lead Design Engineer, Project Manager, Hydraulics Lead)
William Fontenot, P.E. (Structural Engineer, QA/QC)

18. Approach and Methodology:

Introduction

The IDIQ Contract For Design Services Statewide With The Majority of Work In Districts 61 and 62 uniquely plays to the strengths of HUVAL. As the prime consultant on this contract, HUVAL brings unmatched expertise in design, backed by extensive recent experience. We understand what it takes to successfully conduct studies, develop designs, and deliver high-quality, biddable roadway and bridge design plans on time. HUVAL has assembled a reputable team that knows the LADOTD way that will meet all tasks set forth in this project advertisement. Our approach is based on the experience, knowledge, and expertise we have gained over the course of 34 years as a company. HUVAL, as a trusted provider to the LADOTD, has continuously held IDIQ contracts with the state since 2001. With this experience, and working in conjunction with our selected subconsultants, HUVAL is in a position to provide all services required of this contract with the utmost reliability and excellence.

HUVAL specializes in both simple and complex roadway and bridge design, project management, and construction services for LADOTD's most challenging projects. To ensure success on this IDIQ, HUVAL will assign Thomas Gattle, PE, as the Project Manager on this project. Mr. Gattle has comprehensive successful experience on LADOTD"s large and small design projects and is in position to understand the needs of the individual task orders, assemble the appropriate personnel for each task order, and deliver each task order with quality, on time, and on budget.

OUR TEAM

In addition to HUVAL's unique project experiences and understanding, the core strengths of our subconsultant team members are just right for the needs of the project. The total team is summarized below:

HUVAL ***Team Prime Consultant and Design Lead***

HUVAL specializes in both large and small roadway and bridge design projects. Our experience and approach to project management, communicating constantly and working with LADOTD for delivery, adds strength to the technical capabilities of HUVAL's designers.

Over the last 8 years, HUVAL has become one of the preeminent civil design firms in the state working for LADOTD. We have had the benefit of successful experience on all type of projects – large and small, simple and complex, urban and rural, traditional and alternative delivery. A sample of these projects over the last few years is provided below:

- I-10 Roadway Widening Highland Road to LA 22
- Verot School Road and Interchange with I-49 (District 03)
- I-210 Interchange at Barksdale AFB
- Belle Chasse Bridge and Urban Roadway Approaches
- Jimmie Davis Bridge and Urban Roadway Approaches
- I-10 CMAR Interstate Reconstruction and Local Roads
- Airline North Roadway Widening
- I-10 Calcasieu Urban Freeway and Local Roads (District 07)
- Comite CMAR Roadway and Bridge Design

Through these projects, and working with our sister company CEC (highway construction), we know the LADOTD design standards, construction standards, and general way of doing business better than anyone.

WE WOULD LIKE TO BRING THESE UNIQUE ATTRIBUTES TO LADOTD ON THIS IDIQ PROJECT!

VECTURA CONSULTING SERVICES, LLC ***Traffic Engineering***

Vectura has become one of the LADOTD's trusted providers for traffic engineering services and will lead all traffic related activities under the contract. Vectura knows the LADOTD way regarding what is expected by the Traffic Engineering Section for each individual task order that is assigned. They are a DBE certified firm that will enable the team to meet and exceed the DBE goal of 2%.

NTBA SURVEY. DESIGN. BUILD. SUCCEED. ***Surveying***

NTBA, Inc. will lead all surveying under the contract. This includes topographic surveying, property surveys, R/W maps, and title take-offs. NTBA has significant experience on numerous projects working with LADOTD's Real Estate Group to provide what is needed for successful R/W acquisition.

Channel Hydraulics

Royal Engineers specializes in transportation, civil design and hydraulics for LADOTD and a wide range of other clients across the state. Royal will be responsible for channel hydraulic studies and scour mitigation design should any task orders may need this service.

1. Design IDIQ Understanding

PRIMARY WORK ELEMENTS

The task orders for this design retainer contract, as in our past retainer contracts, will likely include a wide range of services. HUVAL has proven capable to meet any needs, whether that be for large and/or complex projects or smaller and/or less complex project. Typical services requested from HUVAL under this IDIQ project, no matter the type of project, may include the following:

- Survey
  - Topographic Survey
  - Property Survey
  - R/W Maps
  - Title Take-Off
- Preliminary Plans Phase
  - Data Assembly and Review
  - Design Criteria
  - Traffic Engineering Studies
  - Roadway Design Typical Section (provided by LADOTD)
  - Soil Boring Plan (borings provided by LADOTD)
  - Preliminary Cost Analysis
  - Bridge Design Synopsis
  - Preliminary Roadway Plans and Drainage
  - Engineers Cost Estimate
  - Sequence of Construction
  - Permit Drawings
- Final Plans
  - Final Taking Lines
  - Final Roadway Plans and Drainage
  - Bridge Design and Hydraulics
  - Bridge Ratings
  - Supplemental Specifications
  - Engineers Cost Estimate
- Construction Proposal Services
  - Pre-Bid Activities
  - Construction Proposal Documents
- Construction Support
  - Review of Contractor's Progress Schedule
  - RFIs and Submittal Reviews
  - On-Call Support
  - Structural Shop Drawing Reviews

The major items to be provided by LADOTD include the following:

- Traffic Assignments
- Title Abstracts
- As-Built Plans
- Topographic Surveys (if available)
- Soil Borings and Lab Analysis
- Standard Plans

COMMUNICATIONS AND MANAGEMENT

For HUVAL, communication and coordination are paramount in task order completion. Communication starts at notification of the need for a task order and will continue constantly until task order completion. It is important to keep the LADOTD abreast of any potential impacts affecting cost and schedule. Submittals and deliverables will be developed as determined in coordination with the LA DOTD Project Manager.

We understand the importance to meet the upfront study/design schedules because of the limited time duration of the IDIQ contract which dictates that projects must start early enough to be completed prior to the IDIQ expiration date. Task order project schedules will be developed and discussed at each regularly scheduled project meeting, or special meetings if needed. For any schedule items that may be identified to be off track, recovery plans will be identified and discussed with LADOTD.

QUALITY

HUVAL has developed and maintains a Design Quality Manual that is used on all of its projects. This manual is updated routinely as needed to meet the changing needs of the industry and HUVAL's clients. The most recent update of the QC manual was September 2024. This manual and the procedures therein are one of the reasons HUVAL has a high reputation in Louisiana for quality, dependable service.


HUVAL
& ASSOCIATES, INC.
Consulting Engineers
DESIGN QUALITY MANUAL
Prepared by:
HUVAL & Associates, Inc.
922 West Pont Des Mouton Road
Lafayette, LA 70502
September 11, 2024

Quality control is a priority for HUVAL. All processes and procedures are internally reviewed to make sure that tasks and design work are meeting stringent standards. QC does not just occur at milestones when plans are reviewed before submittal, it occurs throughout the design and detailing process. This limits potential errors and keeps projects moving in the right direction while accomplishing the project schedule. It is of the utmost importance that we (HUVAL) get the job done right.

2. Typical Task Order Workflow

HUVAL has performed over a hundred Task Orders on LADOTD IDIQ contracts over many years. HUVAL is up to date with current LADOTD guidelines and design criteria and Task Order procurement processes. For LADOTD projects, there is no "learning curve" with HUVAL.

Depending on the type of Task Order and required schedule, the actual project delivery process can vary. For "normal" projects that do not have critical schedules, HUVAL's approach to the District 61 and 62(possibly statewide) design IDIQ contract will be the same as it has been over our previous IDIQ contracts for LADOTD. HUVAL will engage in the following Workflow and process to ensure that we meet the needs of the LADOTD.

1. Establish the Scope and Schedule for the Task Order

   When the LADOTD PM contacts HUVAL about the need for a certain task order, HUVAL will meet with the PM (and any other appropriate LADOTD staff) to assess the needed scope of services, schedule goals, and other critical parameters of the task order. With this knowledge, HUVAL will immediately assemble its team of in-house design personnel as well as needed subconsultants to ensure the proper staffing for the task order to attain scope and schedule.

2. Develop Scope of Services and Labor Estimate

   Based on the scope and schedule, HUVAL will prepare a detailed scope of services document, identifying all project deliverables, and review with LADOTD staff. Once finalized, the scope document will be used to estimate labor hours to be used in the derivation of compensation.

   HUVAL is well-experienced in all types of compensation types including hourly rates, lump sum, or other as may be appropriate for the task order. We stand ready to adopt the compensation type that is best suited for each individual task order.

3. Project Management Protocols

   HUVAL, in conjunction with LADOTD's PM, will develop the protocols to be used over the life of the task order to cover communications, deliverables, quality assurance, progress reports, invoicing, and other items important to success.

4. Schedule

   HUVAL will develop the detailed schedule, including the deliverables, that covers the scope of the task order and includes the schedule goals that are identified in item 1 above. This schedule will be the baseline for all work under the task order and will be used extensively throughout the task order to guide HUVAL's internal team members as well as LADOTD. Recovery plans will be identified to regain schedule if any schedule item gets off track or update the schedule if warranted.

5. Data Collection

   Data collection can consist of as-built plans and traffic data already on file, or can consist of new data, such as topographic surveys, generated as may be needed by the scope of the task order. At the very outset of the task order, HUVAL will initiate a program to identify a list of data needs and begin the process to obtain all available and/or required data to be used for the success of the project.

6. Preliminary Plans Initial Phase

   At the outset of the preliminary plans phase, HUVAL will perform any design studies that may be necessary to fully define the needs of the task order. This could include the following:

   - Design Criteria
   - Traffic Engineering and/or Stage 0 Studies
   - Identification of NEPA Requirements and Support to LADOTD to Obtain NEPA Approvals
   - Engineering Feasibility Studies
   - Design Optimization Studies
   - Cost Analysis for Design Options
   - Other

   Once the above preliminary items are completed, the task order will move into the plan development phases.

7. Preliminary Plans Design Phase

   Preliminary Plans will be prepared in accordance with the LADOTD standards and processes. This will include title sheet, typical sections, plan-profile sheets for roadway and drainage, traffic signal plans, signing and striping plans, traffic control plans, bridge plans (if needed), special details, and cross sections. Other elements of the design (for example lighting) may be designed by others and added to the plans as needed. After the Plan-In-Hand inspection, HUVAL will make any appropriate refinements to the plans to attain the finished Preliminary Plans.

   An Engineers Cost Estimate will be prepared for the preliminary plans design phase. Drawings for use in permit applications will be prepared, if needed.

8. Final Plans

   When authorized by the LADOTD PM, HUVAL will prepare the detailed design and additional plans needed to advance the task order from the Preliminary Plans in item 7 above to signed/sealed Final Plans. Supplemental specifications will be prepared if needed to get the project ready for bidding. An Engineers Cost Estimate will be provided for the completed Final Plans.

9. Bidding Support

   HUVAL has unequalled experience in bidding projects based on its experiences in alternative delivery projects (CMAR, DBs and P3s where bidding the project is a key to winning the project) as well as in providing engineering support to sister construction company CEC which routinely bids LADOTD DBB projects. This knowledge and understanding of what's important will be very helpful to LADOTD for each task order, as we will provide bidding support services on each task order to LADOTD to the extent requested and can be helpful.

10. Construction Support

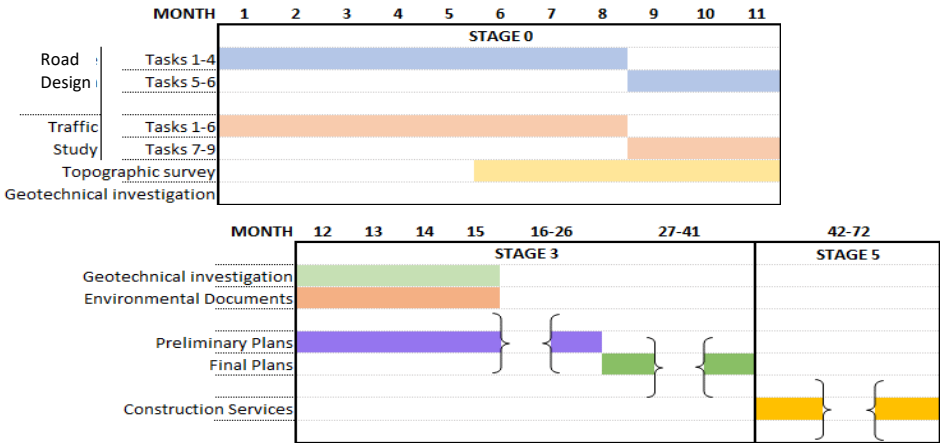
    Similar to Bidding Support, HUVAL has unequalled experience in assistance during construction based on its experiences in alternative delivery projects (CMAR, DBs and P3s where the design and construction of the project are integrated) as well as in providing construction means and methods design support to many contractors across Louisiana. We have unequalled capability to help LADOTD whether its RFIs, submittal reviews, or means and methods design.

11. Emergency Projects

    Sometimes projects under IDIQ task orders are priority repair projects requiring immediate attention under tight timeframes. HUVAL has a distinguished record of preparing plans for emergency projects under these conditions. Emergency project milestones may go straight to final plans with minimal submittals and reviews. For these projects, getting traffic back on the roadway is of the utmost importance.

3. Project Schedule

A schedule will be developed for each task order based on the needs, schedule urgency, and deliverables of that particular task order. A representative (sample) schedule showing major elements of the project over time is illustrated below



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**
Huval	Road, Bridge	Co. #:4400005673 S.P. H. 011235	I-49 South @ Verot School Road Lafayette Parish – Design Phase Supp. #3,4,5	$97,864
Huval	Bridge	Co. #:4400010428 S.P. H.004774.5	Kansas Lane-Garrett Road Connector – Supp #1	$9,145
Huval	Road, Bridge	Co. #:4400017421 S.P. H.001352.5	Comite Diversion Bridge at LA 67 – Construction Services	$115,761
		Co. #:4400017421 S.P. H.002273.5	Comite Diversion Bridge at LA 19 & LA 19 Railroad – Const. Services	
Huval	Road, Bridge	Co. #:4400029193 S.P. H.004100.5	I-10 CMAR –Design	$4,929,150
Huval	Road, Bridge	Co. #:4400029193 S.P. H.004100.6	I-10 CMAR – Construction Services	$750,292
Huval	Road, Bridge	Co. #:440017262 S.P.H.012545.5	LA 454: Wiggins Bayou Bridge	$87,456
Huval	Bridge	Co. #:4400017262 S.P.H.014646.5	I-20: US 165 East of Garret Road	$27,518
Huval	Bridge	Co. #:4400017262 S.P.H.014052.5	LA 151: Construction Services	$38,473
Huval	Bridge	Co. #:4400017262 S.P.H.002868.6	I-49 South: Ambassador Caffery Interchange	$24,106
Huval	Road, Bridge	Co. #:4400017262 S.P.H.012027.5	I-20: UPRR Overpass	$439,888
Huval	Bridge	Co.#. 4400017262 S.P.H. 014747.5	Southern University Ravine Mitigation	$281,093
Huval	Bridge	Co.#. 4400017262 S.P.H. 011808.6	LA 10: Palmetto Company Canal BR	$27,915
Huval	Road, Bridge	Co. #. Not Assigned S.P.H. 001779	Jimmie Davis Bridge (LA 511 – Design-Build Project)	$2,411,786
Huval	Bridge	Co.#. 4400023923 S.P.H. 013821.5	LA 6: Youngs Bayou	$13,190

Huval	Bridge	Co.#. 4400023923 S.P.H. 007300.5	I-20 Widening and Kansas - Garrett Connector	$18,483
Huval	Bridge	Co.#. 4400023923 S.P.H. 012545.6	LA 454 - Wiggins Bayou Bridge: Construction Services	$41,620
NTB	Survey	Co.#. 4400019338 Multiple SP Nos. per bridge	Contract for Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (Sub to Waggoner)	$2,078
NTB	Right-of-Way	Co.#. 4400019338 Multiple SP Nos. per bridge	Contract for Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (Sub to Waggoner)	$73,706
NTB	Right-of-Way	Co.#. 4400019337 Multiple SP Nos. per bridge	Contract for Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (Sub to BKI)	$90,105
NTB	Survey	Co.#. 4400017067 LWI Task Order 3	Louisiana Watershed Initiative (LWI) Modeling Contract – Region 1 (Sub to Atkins)	$3,481
NTB	Right-of-Way	Co.#. 4400025041 Multiple SP Nos. per bridge	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program (Sub to Waggoner)	$11,806
NTB	Survey	Co.#. 4400027686 S.P.H.008768.5	IDIQ Contract for Hydrographic Surveying Services – Task Order No. 1 – Fall Bridges	$92,403
NTB	Other (SUE)	Co.#. 4400026587 S.P.H.001779	Jimmie Davis Bridge (LA 511) (HBI) Design Build Project, Bossier Parish (Sub to James Construction/ Huval & Associates, Inc.)	$118,750
NTB	Survey	Co.#. 4400017713 S.P.H.004100.5	IDIQ Contract for Professional Surveying Services – Task Order 12 – I-10: LA 415 to Essen on I-10 & I-12	$218,421
Vectura	Traffic	Co.#. 4400017293 S.P.H.010616	I-20: LA 544 Overpass Replacement	$74,429
Vectura	Traffic	Co.#. 4400005484 S.P.H.005168.2	New Orleans Rail Gateway Avondale EA	$71,398
Vectura	CE&I/OV	Co.#. 4400020018 S.P.H.007160	EBR Computerized Traffic Signal, Ph VB	$66,032
Vectura	Traffic	S.P.H.004791	Belle Chasse Bridge & Tunnel Replacement PPP	$11,202
Vectura	Traffic	Co.#. 4400021519 S.P.H.012030.5	KCS RR Overpasses HBI	$572
Vectura	Traffic	Co.#. 4400023075 S.P.H.013522	S. Lewis Street Widening	$7,499

Vectura	ITS	Co.#. 4400016364 S.P.H.015136.1	Lake Charles Regional ITS Architecture Update	$12,643
Vectura	ITS	Co.#. 4400017922 S.P.H.012845.1	C/AV Team and Working Group Support	$6,820
Vectura	ITS	Co.#. 4400017922 S.P.H.014515.5	SEA ATMS and 511 System	$11,652
Vectura	ITS	Co.#. 44000020058 S.P.H.011507.1	Monroe Phase 3 SEA	$29,217
Vectura	Traffic	Co.#. 4400018271 S.P.H.014746.5	LA 383 Stage 0 Corridor Study	$20,146
Vectura	ITS	Co.#. 4400016364 S.P.H.015136.1	Shreveport-Bossier Regional ITS Architecture Update	$11,260
Vectura	ITS	Co.#. 4400016364 S.P.H.014511.1	Houma Regional ITS Architecture Update	$10,746
Vectura	Traffic	Co.#. 4400025299 S.P.H.013421.5	Dist. 02H Flashing Yellow Arrow Part 2	$360,988
Vectura	Traffic	Co.#. 4400025299 S.P.H.01564.5	LA 47 Hayne Blvd Safety Improvements	$57,042
Royal	CE&I/OV	Co.#. 4400024438 S.P.H.010673	Harvey Tunnel Rehabilitation	$360,832
Royal	CE&I/OV	Co.#. 4400027010 S.P.H.015018.5	Entity Contract for Lafayette Parish Non-State PVMT Markings	$26,203
Royal	CE&I/OV	Co.#. 4400028466 S.P.H.015504.6	CCC Decorative Lighting CE&I	$235,668

20. Certifications/Licenses:

.

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Thomas Gattle
has attended
Traffic Control Supervisor-LA State Specific
Training Course

9/27/2022 to 9/27/2026
Training Valid Through

Director of Training

Lafayette, LA
Location

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Nicholas Helminger
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

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

ATSSA American Traffic Safety Services Association ATSSA.com

ATSSA TRAINED

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

Director of Training

Lafayette, LA
Location

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

nhi national highway institute

Certificate of Training

Colby Guidry

has successfully completed

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

Louisiana Department of Transportation and Development

Date: *June 25-27, 2024*
Location: *Baton Rouge, LA*
Hours of Instruction: 22

Mark Nyerges Digitally signed by Mark Nyerges Date: 2024.07.10 15:35:44 -04'00'
Instructor

Earl Dubin Digitally signed by Earl Dubin Date: 2024.07.11 10:17:56 -04'00'
Instructor

Allison Landry
Local Coordinator

Stacey Caston
Stacey Caston, Director
National Highway Institute

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Glenn McCall

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

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

ATSSA American Traffic Safety Services Association ATSSA.com

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Michelle Helminger

has attended

Traffic Control Supervisor Refresher-LA State Specific

Training Course

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

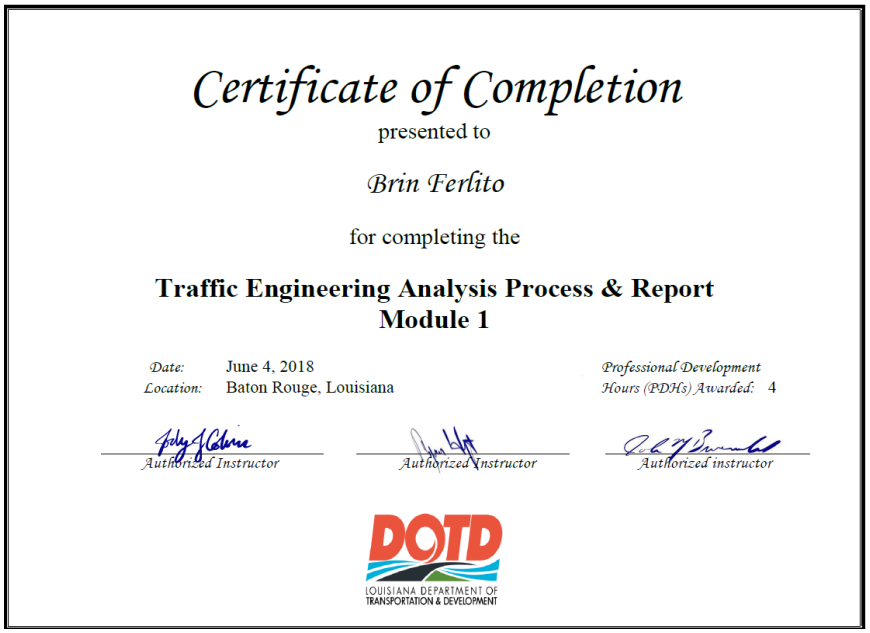
Director of Training

Lafayette, LA
Location

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com



Certificate of Completion

presented to

Brin Ferlito

for completing the

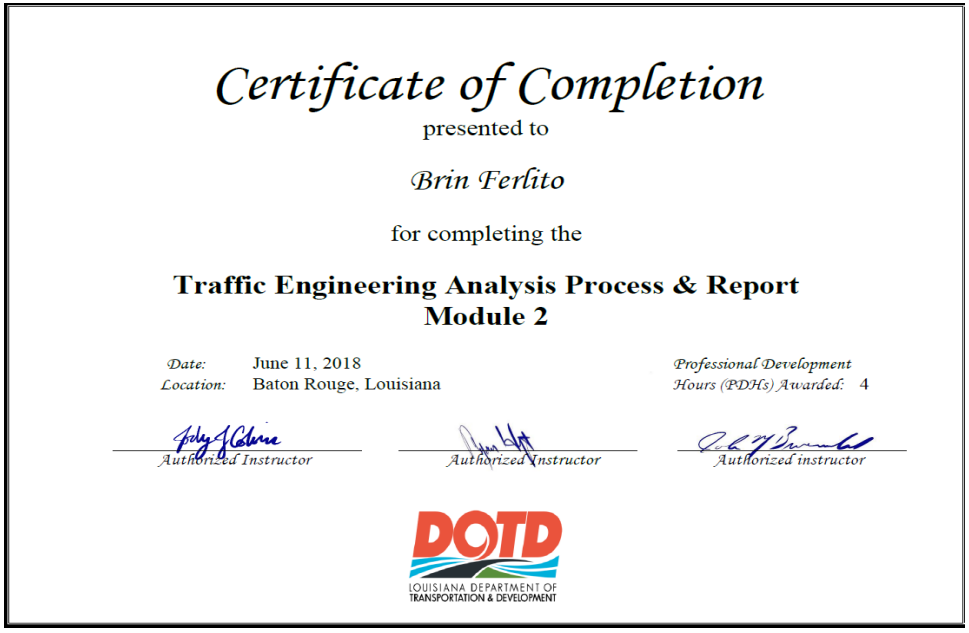
Traffic Engineering Analysis Process & Report
Module 1

Date: June 4, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 4

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Brin Ferlito

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: June 11, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 4

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Brin Ferlito

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: September 10, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Laurence Lambert

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: July 16, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Laurence Lambert

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: July 23, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Laurence Lambert

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: October 15, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Reece Rodrigue

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: November 5, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Reece Rodrigue

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: November 26, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3.5

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Reece Rodrigue

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: December 3, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Kristen Gahagan

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: July 30, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 2.5

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Kristen Gahagan

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: August 6, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Kristen Gahagan

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: October 29, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

William Wales
has attended
Traffic Control Supervisor-LA State Specific
Training Course

2/8/2023 to 2/8/2027
Training Valid Through

Vice President of Education and Technical Services

Baton Rouge, LA
Location

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Patrick Staiano
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

4/29/2022 to 4/29/2026
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

Louisiana SECRETARY OF STATE NANCY LANDRY

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Name	Type	City	Status
HUVAL & ASSOCIATES, INC.	Business Corporation	LAFAYETTE	Active

Previous Names

Business: HUVAL & ASSOCIATES, INC.
Charter Number: 34351949D
Registration Date: 3/21/1990

Domicile Address

922 W. PONT DES MOUTON RD.
LAFAYETTE, LA 70507

Mailing Address

C/O DAVID S. HUVAL, SR.
922 W. PONT DES MOUTON RD.
LAFAYETTE, LA 70507

Principal Office Address

922 W. PONT DES MOUTON RD.
LAFAYETTE, LA 70507

Status

Status: **Active**
Annual Report Status: **In Good Standing**
File Date: 3/21/1990
Last Report Filed: 2/22/2024
Type: Business Corporation

Louisiana SECRETARY OF STATE NANCY LANDRY

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Name	Type	City	Status
VECTURA CONSULTING SERVICES, LLC	Limited Liability Company	BATON ROUGE	Active

Previous Names

Business: VECTURA CONSULTING SERVICES, LLC
Charter Number: 41994609K
Registration Date: 8/24/2015

Domicile Address

4467 BLUEBONNET BLVD.
SUITE A
BATON ROUGE, LA 708099639

Mailing Address

PO BOX 14269
BATON ROUGE, LA 70898

Status

Status: **Active**
Annual Report Status: **In Good Standing**
File Date: 8/24/2015
Last Report Filed: 7/26/2024
Type: Limited Liability Company

Louisiana SECRETARY OF STATE NANCY LANDRY

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Name	Type	City	Status
ROYAL ENGINEERS AND CONSULTANTS, L.L.C.	Limited Liability Company	NEW ORLEANS	Active

Previous Names

Business: ROYAL ENGINEERS AND CONSULTANTS, L.L.C.
Charter Number: 36013193K
Registration Date: 9/12/2005

Domicile Address

1501 RELIGIOUS STREET
SUITE C
NEW ORLEANS, LA 70130

Mailing Address

1501 RELIGIOUS STREET
SUITE C
NEW ORLEANS, LA 70130

Status

Status: **Active**
Annual Report Status: **In Good Standing**
File Date: 9/12/2005
Last Report Filed: 8/14/2024
Type: Limited Liability Company

Louisiana SECRETARY OF STATE NANCY LANDRY

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Name	Type	City	Status
NTB ASSOCIATES, INC.	Business Corporation	SHREVEPORT	Active

Previous Names

NTB, INC. (Changed: 1/4/2000)

Business: NTB ASSOCIATES, INC.
Charter Number: 34216133D
Registration Date: 8/14/1986

Domicile Address

525 LOUISIANA AVE.
SHREVEPORT, LA 71101

Mailing Address

525 LOUISIANA AVE.
SHREVEPORT, LA 71101

Principal Office Address

525 LOUISIANA AVE.
SHREVEPORT, LA 71101

Status

Status: **Active**
Annual Report Status: **In Good Standing**
File Date: 8/14/1986
Last Report Filed: 7/25/2024
Type: Business Corporation

21. <u>QA/QC Plan:</u>

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**.

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 exactly as registered with Louisiana's Secretary of State (SOS): including punctuation, include screenshot(s) from SOS at the end of Section 20)	**Address**	**Point of Contact and email address**	**Phone Number**
NTB Associates, Inc.	Corporate Headquarters: 525 Louisiana Ave., Shreveport, LA 71101 Branch Office: 8643 Main St., Zachary, LA 70791	Bryan T. Bunch, PLS bbunch@ntbainc.com	(225) 751-4002
Royal Engineers and Consultants, L.L.C.	1501 Religious Street, Suite C New Orleans, LA 70130	Michael Pugh, P.E., President mpugh@royal.us	(504) 283-9400
Vectura Consulting Services, LLC	4467 Bluebonnet Blvd., Suite A, Baton Rouge, LA 70809	Sheelagh Brin Ferlito, P.E. bferlito@vecturacs.com	(225) 223-6685

(Add rows as needed)

23. Location:

If location is an evaluation criterion for this advertisement (see page 2) 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 Evaluation Criteria section of the advertisement**.