DOTD OSBR
Proposal for Engineering Services
Off-System Highway Bridge Program
Babineaux Rd Over Creek

Project No. 4400030646

Contract No. H.015979.5

Prepared for:

DOTD

August 2025

Prepared by:

Bluewing Civil Consulting, LLC

PO Box 3384
Lafayette, LA 70502
337.419.0911

2808 Enterprise Blvd.
Lake Charles, LA 70601

DOTD FORM: 24-102

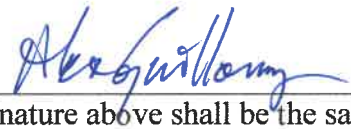
(Revised December 12, 2024)

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	Off-System Highway Bridge Program Babineaux Rd Over Creek
2. Contract Number(s) as shown in the advertisement	4400030646
3. State Project Number(s), if shown in the advertisement	H015976.5
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)**	Bluewing Civil Consulting, LLC
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	Engineering: EF- LA – 0005887
6. Prime consultant mailing address	PO Box 3384 Lafayette, LA 70502
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	604 Saint John St Lafayette, LA 70501
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Alex Guillory, PE| Principal 337-419-0911|alex@bluewingcivil.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Alex Guillory, PE| Principal 337-419-0911|alex@bluewingcivil.com

10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response. **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: 8/12/2025 Date:
11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.	Firm(s): Firm(s)' %:

12. <u>Discipline Table:</u>

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

Discipline(s)	% of Overall Contract	BWC	Huval and Associates	Pelican Survey	Southland Environmental		Each Discipline must total to 100%
Bridge	80%	80%	20%				**100%**
Survey	15%			100%			**100%**
Environmental	5%				100%		**100%**
Identify the percentage of work for the **<u>overall contract</u>** to be performed by the prime consultant and each sub-consultant.							
Percent of Contract	**100%**	64%	16%	15%	5%		

13. Firm Size:

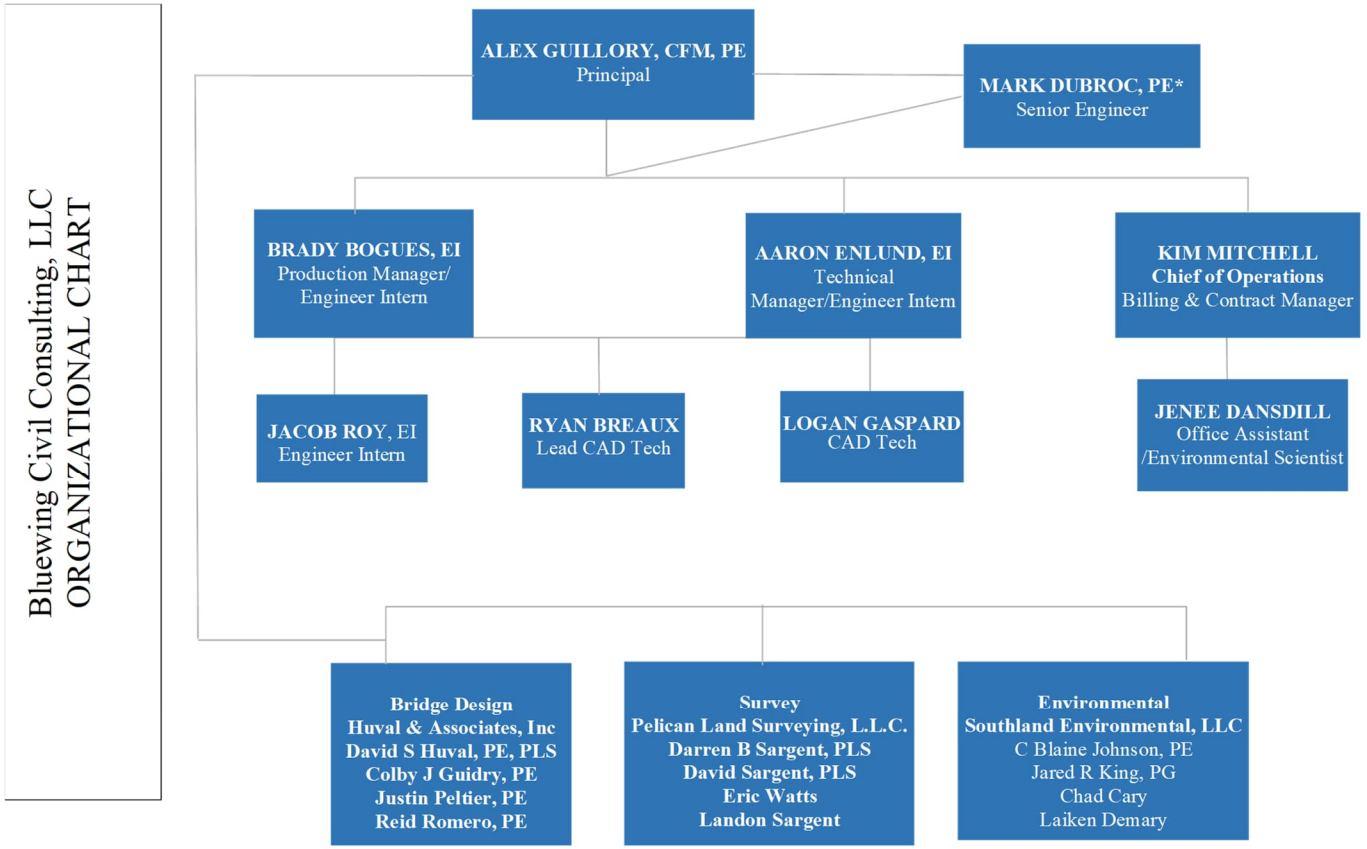
For all firms that are part of this team, indicate the approximate number of personnel to be committed to this contract, by DOTD Job Classification and the total number of personnel within the firm that could provide support, if needed. If a specialized job classification is required and not included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

The DOTD Job Classification(s) to be used can be found at the following link:
http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/CCS/Job_Qualification/Job%20Classifications%20with%20Descriptions.pdf

Firm name	DOTD Job Classification	**Number of personnel committed to this contract**	Total number of personnel available in this DOTD Job Classification (if needed)
Bluewing Civil Consulting, LLC	Engineer	2	2
Bluewing Civil Consulting, LLC	Engineer Intern	3	3
Bluewing Civil Consulting, LLC	CADD Technician	2	2
Bluewing Civil Consulting, LLC	Clerical	2	2
Bluewing Civil Consulting, LLC	Engineering-Aide	1	1
Huval & Associates Inc	Principal	1	1
Huval & Associates Inc	Supervisor - Eng	1	5
Huval & Associates Inc	Engineer	2	20
Huval & Associates Inc	Engineer Intern	1	5
Huval & Associates Inc	Senior Technician	1	1
Huval & Associates Inc	Technician	1	1
Huval & Associates Inc	CADD Technician	1	4
Huval & Associates Inc	CADD Drafter	1	4
Huval & Associates Inc	Principal	1	1
Huval & Associates Inc	Supervisor - Eng	1	5

Pelican Land Surveying LLC	Surveyor	1	2
Pelican Land Surveying LLC	Party Chief	1	1
Pelican Land Surveying LLC	CADD Drafter	1	2
Pelican Land Surveying LLC	Instrument Man	1	1
Southland Environmental LLC	Environmental Manager	1	1
Southland Environmental LLC	Biologist/Wetlands	3	3
Southland Environmental LLC	Administrative	1	1
Southland Environmental LLC	Supervisor - Other	1	1

14. <u>Organizational Chart</u>:



*Denotes Part-time employment status

Summary of Key BWC Staff Experience with Off System Bridges Tasks:
Alex Guillory – 16 years
Marc Dubroc – 44 years
Brady Bogues– 2 years
Aaron Enlund– 2 years

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	State of license	License / certification expiration date
1	Alex Guillory, PE, CFM	Bluewing Civil Consulting, LLC	PE LA # 37874 PE TX # 112894	LA, TX	LA Exp. 09/30/2025 TX Exp. 09/30/2026
2	Alex Guillory, PE, CFM	Bluewing Civil Consulting, LLC	PE LA # 37874 PE TX # 112894	LA, TX	LA Exp. 09/30/2025 TX Exp. 09/30/2026
	Mark Dubroc, PE	Bluewing Civil Consulting, LLC	PE # 22618	LA	Exp. 03/31/2027
3	Alex Guillory, PE, CFM	Bluewing Civil Consulting, LLC	PE LA # 37874 PE TX # 112894	LA, TX	LA Exp. 09/30/2025 TX Exp. 09/30/2026
4	David Sargent	Pelican Land Surveying L.L.C.	PLS # 4909	LA	03/31/2026
	Darren Sargent	Pelican Land Surveying L.L.C.	PLS # 4936	LA	03/31/2027
5	Jared King	Southland Environmental, LLC	P.G. License No. 836 Professional Geoscientist	LA	Exp. 06/01/2026
	Chad W. Cary	Southland Environmental, LLC	Environmental Scientist		

16. Staff Experience:

Firm employed by	Bluewing Civil Consulting, LLC			
Name	Simon "Alex" Guillory, CFM, PE		Years of relevant experience with this employer	11
Title	Principal		Years of relevant experience with other employer(s)	16
Degree(s) / Years / Specialization			ME, 2010 – Civil Engineering, Water Resources Engineering | BS, 2008 – Civil Engineering	
Active registration number / state / expiration date			LA PE 37874 – Expires 09/30/2025	
Year registered	1998	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			Engineer of Record	

Mr. Guillory has 16 years of experience in civil, roadway and municipal design and consulting. Mr. Guillory is experienced in all aspects of drainage, hydrology, and hydraulics; transportation design including environmental investigation and mitigation; structural pavement design; site prep; construction engineering and inspection; utility coordination and relocation; and pavement preservation and maintenance.

August 2019-2025 | Sara Street Bridge | Lake Charles, LA.	Project Engineer. BWC Design Manager for off-system bridge replacement project in Sulphur, LA for the Calcasieu Parish Police Jury. Project scope includes bridge design, road geometrics & drainage, channel revetment & erosion protection; utility coordination and relocations; management of design sub-consultants including survey, geotechnical engineering, and environmental; responsible charge of construction plan production including temporary traffic control. Final Construction Cost = $1,347,660
May 2021-Oct 2021 | St. Mary Street Bridge Scour Analysis | Elton, LA	Project Engineer. Assisted in the development of watershed delineation. Performed the streambed profile
August 2021–May 2022 | Manual Road Bridge Replacement | Jeff Davis Parish, LA	Project Engineer. BWC developed plans for a custom and unconventional repair to Manual Rd bridge in Jeff Davis Parish. A previous bridge replacement project left pre-cast concrete slabs improperly supported by the bridge end bents. This improper cantilevered support condition caused cracking to the deck. The repair included saw cutting the existing pre-cast concrete deck at both end abutments, replacing the approach slab foundation, and rebuilding the approach slab. Final Construction Cost = $80,155.00
December 2022 – Current | Belfield Ditch Multi-road Crossing Replacement | Moss Bluff, LA	Project Engineer. The Belfield Ditch in Moss Bluff, LA crosses many roadways as it drains to Little Indian Bayou. Sharon Lane, Debra Lane, and Gateway Drive are three crossings that the Calcasieu Parish Police Jury identified to be critical drainage structures that needed replacement. Belfield Ditch Multi-road Crossing Replacement project consists of the replacement of these cross drainpipes and adjusting the flowlines in preparation for future channel improvements. The engineered crossings consist of aluminum box culverts along with roadway repairs and subsurface drainage networks. Engineer's Cost Estimate = $3,653,320.00

April 2025- Current | APPJ Poplar St. Bridge Replacement	Project Engineer of record for off-system bridge replacement project in Elizabeth, LA for the Allen Parish Police Jury. Project scope includes bridge design, road geometrics & drainage, channel revetment & erosion protection; utility coordination and relocations; management of design sub-consultants including survey, geotechnical engineering, and environmental; responsible charge of construction plan production including temporary traffic control. Engineer's Cost Estimate = $1,600,000

Firm employed by	Bluewing Civil Consulting, LLC				
Name	Mark B. Dubroc			Years of relevant experience with this employer	1
Title	Senior Engineer			Years of relevant experience with other employer(s)	44
Degree(s) / Years / Specialization			BS, 1980 – Civil Engineering, Louisiana State University		
Active registration number / state / expiration date			LA PE – 22618 Exp. 03/31/2027		
Year registered	1987	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Design Reviewer		

Mark B. Dubroc is a Senior Engineer with over 42 years of professional civil engineering experience. As a young engineer for Sellers, Dubroc & Associates from 1981 to 1994, and as a Principal of Dubroc Engineering, Inc. for 23 years (1994 - 2017), Mr. Dubroc gained extensive experience in civil engineering design and consulting, with a wide variety of clients and projects including urban and rural roadway and drainage designs, highway bridge design, solid waste transfer facilities, site planning, residential land developments, municipal water and sewer collection systems, and various other civil and structural design projects. Mr. Dubroc served as Director of Public Works for Lafayette Consolidated Government from 2017 to 2020, where he managed 335 Public Works employees, with an operating budget of $58M, an annual Capital Improvement Program of $50M, and a 5-Year Capital Plan budget of $250M, which included 375 projects. He managed the Capital Improvements Division, which included the Design & Development Section, ROW Section, Project Control Section and the Estimates and Administration Section. He also managed the Operations Divisions, which included street and drainage maintenance, and the Traffic and Transportation Division which was responsible for traffic engineering, traffic maintenance (signs and markings), traffic signals maintenance transit operations, and parking. Mr. Dubroc was employed by C.H. Fenstermaker from 2020-2023, primarily developing and managing the engineering department QA/QC program. He has recently joined the staff of Bluewing Civil Consulting (2023) as a senior engineer.

August 2000-July 2017 | LA DOTD S.P. No. H.005508 Verot School Rd. Urban Section (LA 339) Widening and H.005698 Drainage Outfalls | Lafayette Parish, LA.	Principal and Project Manager Mr. Dubroc served as the Principal and Project Manager for this $44.2 million project for the widening of 3.3 miles of rural 2-lane open ditch highway to urban 4-lane median-divided and 5-lane arterial roadway with extensive subsurface drainage systems, including major drainage improvements to 3 subsurface drainage systems. Mr. Dubroc provided project management and design engineering (including drainage, horizontal and vertical geometric designs, and structural design of vertical wall channels and culverts) for all aspects of DOTD roadway design and plan development (Topographic and ROW surveys and maps, and preliminary and final plans).
January 1982- August 1986 S.P.#455-05-25: Route I-49 – Alexandria Urban Segment (Section 16) (Rapides Parish, LA	Early in his career, Mr. Dubroc served as design engineer for this elevated interchange structure, providing precast concrete girder analyses and design of decks and approach slabs, and engineering services during construction (shop drawing review) for this LADOTD project.

June 1983- April 1987 S.P. #455-08-12: Route I-49 – Shreveport Urban Segment (Section 8) (Caddo Parish, LA):	Early in his career, Mr. Dubroc served as design engineer for this elevated interchange structure, providing precast concrete girder analyses, column bent designs, and design of decks and approach slabs, and engineering services during construction (shop drawing review) for this LADOTD project.
April 2025- Current | APPJ Poplar St. Bridge Replacement	Senior Engineer. Reviewer for off-system bridge replacement project in Elizabeth, LA for the Allen Parish Police Jury. Project scope includes bridge design, road geometrics & drainage, channel revetment & erosion protection; utility coordination and relocations; management of design sub-consultants including survey, geotechnical engineering, and environmental; responsible charge of construction plan production including temporary traffic control. Engineer's Cost = $1,600,000

Firm employed by	Bluewing Civil Consulting, LLC				
Name	Aaron Enlund			Years of relevant experience with this employer	5
Title	Senior Engineer			Years of relevant experience with other employer(s)	N/A
Degree(s) / Years / Specialization			BS, May 2022 – Civil Engineering		
Active registration number / state / expiration date			EI, LA – 35149 Exp. 09/30/2026		
Year registered	2022	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			H&H Engineer Intern		

Mr. Aaron Enlund is a civil engineering specialist with experience in roadway and drainage design and watershed modeling. Mr. Enlund utilizes and is deeply knowledgeable in the following software: HEC (RAS [1D/2D], HMS, SSP, Geo-HMS/RAS), XP-Storm, GIS (ArcMAP & QGIS), AutoCAD

August 2019-2025 | Sara Street Bridge | Lake Charles, LA.	Student Engineer Intern. Performed as designer on all aspects of this bridge replacement project. Duties included roadway geometric design, subsurface drainage analysis and design, channel revetment modeling, plan production, 3rd party utility coordination, and temporary traffic control. Final Construction Cost = $1,347,660
Sept 2022- July 2024 JDPPJ Bridge Repairs – Babineaux Rd Bridge	Engineer Intern. BWC Design bridge repairs to rehabilitate deteriorating structural elements of the Babineaux Rd bridge. Rehabilitative repairs included spall repairs to the concrete caps, pile splicing using an epoxy-coated Kevlar wrap and carbon rods, removal/disposal of drift debris, and wingwall replacement/backfill. Final Construction Cost = $69,855.02
December 2022 – Current | Belfield Ditch Multi-road Crossing Replacement | Moss Bluff, LA	Engineer Intern. The Belfield Ditch in Moss Bluff, LA crosses many roadways as it drains to Little Indian Bayou. Sharon Lane, Debra Lane, and Gateway Drive are three crossings that the Calcasieu Parish Police Jury identified to be critical drainage structures that needed replacement. Belfield Ditch Multi-road Crossing Replacement project consists of the replacement of these cross drainpipes and adjusting the flowlines in preparation for future channel improvements. The engineered crossings consist of aluminum box culverts along with roadway repairs and subsurface drainage networks. Engineer's Cost Estimate = $3,653,320.00
April 2025- Current | APPJ Poplar St. Bridge Replacement	Engineer Intern. BWC Design checker for off-system bridge replacement project in Elizabeth, LA for the Allen Parish Police Jury. Project scope includes bridge design, road geometrics & drainage, channel revetment & erosion protection; utility coordination and relocations; management of design sub-consultants including survey, geotechnical engineering, and environmental; responsible charge of construction plan production including temporary traffic control. Engineer's Cost Estimate = $1,600,000
January 2019 -Current | Various Site Civil | Various Parishes, LA.	Student Engineer Intern. Aaron has assisted with many site civil design projects which require coordination with DOTD for state highway access connections. Aaron is experienced and proficient in all aspects of site civil design including drainage, grading, geometrics, traffic and stormwater pollution prevention

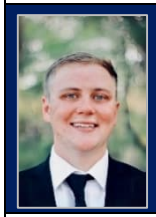
Firm employed by	Bluewing Civil Consulting, LLC				
Name	Brady Bogues			Years of relevant experience with this employer	2
Title	Engineer Intern			Years of relevant experience with other employer(s)	N/A
Degree(s) / Years / Specialization			BS, December 2022 – Civil Engineering		
Active registration number / state / expiration date			EI, LA – 35348 Exp. 09/30/2025		
Year registered	2023	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Roadway Engineer		

Mr. Brady Bogues is a civil engineering specialist with experience in roadway and drainage design and watershed modeling. Mr. Bogues utilizes and is deeply knowledgeable in the following software: Geo-HMS/RAS), XP-Storm, GIS (ArcMAP & QGIS), AutoCAD.

August 2021–May 2022 | Manual Road Bridge Replacement | Jeff Davis Parish, LA	Engineer Intern. BWC developed plans for a custom and unconventional repair to Manual Rd bridge in Jeff Davis Parish. A previous bridge replacement project left pre-cast concrete slabs improperly supported by the bridge end bents. This improper. cantilevered support condition caused cracking to the deck. The repair included saw cutting the existing pre-cast concrete deck at both end abutments, replacing the approach slab foundation, and rebuilding the approach slab. Final Construction Cost = $80,155.00
Sept 2022- July 2024 JDPPJ Bridge Repairs – Babineaux Rd Bridge	Engineer Intern. BWC Design bridge repairs to rehabilitate deteriorating structural elements of the Babineaux Rd bridge. Rehabilitative repairs included spall repairs to the concrete caps, pile splicing using an epoxy-coated Kevlar wrap and carbon rods, removal/disposal of drift debris, and wingwall replacement/backfill. Final Construction Cost = $69,855.02
August 2022-Current | Broad Street Crossing Upgrades | Lake Charles, LA.	Project Manager. Broad St in east Lake Charles is a critical surface transportation corridor for the region. Near the Broad St intersection with US 90, the roadway crosses Antoine Gully, which is a tributary of English Bayou. The existing box culvert is appx 100 years old, and the r/w section geometry through the channel crossing does not meet current minimum safety standards, and there is a severe scour hole formed on the downstream side of the crossing. BWC designed a new channel crossing with improved hydraulic capacity, and an improved r/w section geometry (roadway foreslopes, etc). this project included HEC-RAS modeling to address the scour hole mitigation, and close coordination with the owner and survey and geotechnical consultants. Engineer's Cost Estimate = $1,050,000.00

December 2022 – Current | Belfield Ditch Multi-road Crossing Replacement | Moss Bluff, LA	Engineer Intern. The Belfield Ditch in Moss Bluff, LA crosses many roadways as it drains to Little Indian Bayou. Sharon Lane, Debra Lane, and Gateway Drive are three crossings that the Calcasieu Parish Police Jury identified to be critical drainage structures that needed replacement. Belfield Ditch Multi-road Crossing Replacement project consists of the replacement of these cross drainpipes and adjusting the flowlines in preparation for future channel improvements. The engineered crossings consist of aluminum box culverts along with roadway repairs and subsurface drainage networks. Engineer's Cost Estimate = $3,653,320.00
April 2025- Current | APPJ Poplar St. Bridge Replacement	Engineer Intern. BWC Design Manager for off-system bridge replacement project in Elizabeth, LA for the Allen Parish Police Jury. Project scope includes bridge design, road geometrics & drainage, channel revetment & erosion protection; utility coordination and relocations; management of design sub-consultants including survey, geotechnical engineering, and environmental; responsible charge of construction plan production including temporary traffic control. Engineer's Cost Estimate = $1,600,000

Firm employed by	Bluewing Civil Consulting, LLC				
Name	Jacob Roy		Years of relevant experience with this employer	1	
Title	Engineer Intern		Years of relevant experience with other employer(s)	3	
Degree(s) / Years / Specialization			BS, 2022 – Civil Engineering		
Active registration number / state / expiration date			EI, LA # 35154 Exp 09/30/2026		
Year registered	2022	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Design Aide		



Jacob Roy is a civil engineering specialist with growing experience in roadway and drainage design and watershed modeling. Mr. Roy utilizes and is deeply knowledgeable in the following software: HEC (RAS [1D/2D], GIS (ArcMAP & QGIS), AutoCAD

August 2022-Current | Broad Street Crossing Upgrades | Lake Charles, LA	Engineer Intern. Broad St in east Lake Charles is a critical surface transportation corridor for the region. Near the Broad St intersection with US 90, the roadway crosses Antoine Gully, which is a tributary of English Bayou. The existing box culvert is appx 100 years old, and the r/w section geometry through the channel crossing does not meet current minimum safety standards, and there is a severe scour hole formed on the downstream side of the crossing. BWC designed a new channel crossing with improved hydraulic capacity, and an improved r/w section geometry (roadway foreslopes, etc). this project included HEC-RAS modeling to address the scour hole mitigation, and close coordination with the owner and survey and geotechnical consultants. Engineer's Cost Estimate = $1,050,000.00
August 2022 – Current | LIB Orlean Run | Moss Bluff, LA	Engineer Intern. BWC performed a study of the Pentangeli and Orleans Run Subdivisions to identify a solution to reoccurring flooding. BWC developed design alternative to mitigate this flooding that would more effectively convey stormwater runoff into Little Indian Bayou. BWC is engineering a new drainage route to reduce the flooding risk to the Pentangeli and Orleans Run Subdivisions. The drainage route consists of various sizes of box culverts as well as an improved channel. This drainage route traverses a proposed subdivision and was engineered to accept the storm water runoff from this proposed development. Contractors Bid Amount = $3,866,811.00

Firm	Bluewing Civil Consulting, LLC		
Name	Ryan Breaux	Years of experience with this firm/employer	4
Title	CAD II Specialist	Years of experience with other firm(s)/employer(s)	15

Degree(s) / Years / Specialization			NA
Active registration number / state / expiration date			NA
Year registered	NA	Discipline	NA
Contract role(s) / brief description of responsibilities			CAD II Specialist

Mr. Ryan Breaux is a CAD II Specialist with many years experience. Mr. Breaux utilizes and is very knowledgeable in the following software: AutoCAD Civil3D

August 2019-2025 | Sara Street Bridge | Lake Charles, LA.	Lead CAD Technician. BWC CAD Design Manager for off-system bridge replacement project in Sulphur, LA for the Calcasieu Parish Police Jury. Developed plan sheets.
March 2022-Current | Manuel Road Bridge Repair | Fenton, LA	Lead CAD Technician. BWC CAD Design Manager for off-system bridge replacement plans– developed plan sheets and all title blocks in AutoCAD for the Jeff Davis Parish Police Jury.
December 2022 – Current | Belfield Ditch Multi-road Crossing Replacement | Moss Bluff, LA	Lead CAD Technician or Belfield Ditch in Moss Bluff, LA crosses many roadways as it drains to Little Indian Bayou. Sharon Lane, Debra Lane, and Gateway Drive are three crossings that the Calcasieu Parish Police Jury identified to be critical drainage structures that needed replacement. Belfield Ditch Multi-road Crossing Replacement consists of the replacement of these cross drainpipes and adjusting the flowlines in preparation for future channel improvements. The engineered crossings consist of aluminum box culverts along with roadway repairs and subsurface drainage networks. Engineer's Cost Estimate = $3,653,320.00
April 2025- Current | APPJ Poplar St. Bridge Replacement	Lead CAD Technician for off-system bridge replacement project in Elizabeth, LA for the Allen Parish Police Jury. Project scope includes bridge design, road geometrics & drainage, channel revetment & erosion protection; utility coordination and relocations; management of design sub-consultants including survey, geotechnical engineering, and environmental; responsible charge of construction plan production including temporary traffic control. Engineer's Cost Estimate = $1,600,000

Firm	Bluewing Civil Consulting, LLC			
Name	Logan Gaspard		Years of experience with this firm/employer	1
Title	CAD I Specialist		Years of experience with other firm(s)/employer(s)	0
Degree(s) / Years / Specialization			Associate of Applied Science in Drafting & Design Technology May 2024	
Active registration number / state / expiration date				
Year registered	NA	Discipline	NA	
Contract role(s) / brief description of responsibilities			CAD I Specialist	

Mr. Logan Gaspard is a CAD I Specialist. Mr. Gaspard utilizes and is very knowledgeable in the following software: AutoCAD Civil3D

December 2022 – Current | Belfield Ditch Multi-road Crossing Replacement | Moss Bluff, LA	Support CAD Technician on Belfield Ditch in Moss Bluff, LA crosses many roadways as it drains to Little Indian Bayou. Sharon Lane, Debra Lane, and Gateway Drive are three crossings that the Calcasieu Parish Police Jury identified to be critical drainage structures that needed replacement. Belfield Ditch Multi-road Crossing Replacement consists of the replacement of these cross drainpipes and adjusting the flowlines in preparation for future channel improvements. The engineered crossings consist of aluminum box culverts along with roadway repairs and subsurface drainage networks. Engineer's Cost Estimate = $3,653,320.00
April 2025- Current | APPJ Poplar St. Bridge Replacement	Support CAD Technician for off-system bridge replacement project in Elizabeth, LA for the Allen Parish Police Jury. Project scope includes bridge design, road geometrics & drainage, channel revetment & erosion protection; utility coordination and relocations; management of design sub-consultants including survey, geotechnical engineering, and environmental; responsible charge of construction plan production including temporary traffic control. Engineer's Cost Estimate = $1,600,000

Firm	Bluewing Civil Consulting, LLC		
Name	Kim Mitchell	Years of experience with this firm/employer	10
Title	Project Coordinator/Office Manager	Years of experience with other firm(s)/employer(s)	26

Degree(s) / Years / Specialization			BS, 1992 General Science
Active registration number / state / expiration date			NA
Year registered	NA	Discipline	NA
Contract role(s) / brief description of responsibilities			Administrative

Ms. Kim Mitchell is Chief of Operations with many years experience. Ms. Mitchell utilizes and is deeply knowledgeable in the Deltek Ajera software which enables careful watch on progress and budget of projects. She is knowledgeable in EJCDC documents and the requirements of contracts and Amendments.

August 2019-2025 | Sara Street Bridge | Lake Charles, LA	*Billing and Contract Manager.* BWC Billing and Contract Manager. Correspond with client to create and execute contract, create budget reports and inform Project engineer
April 2025- Current | APPJ Poplar St. Bridge Replacement	*Billing and Contract Manager.* BWC Billing and Contract Manager. Correspond with client to create and execute contract, create budget reports and inform Project engineer

Firm	Bluewing Civil Consulting, LLC		
Name	Jenee Dansdill	Years of experience with this firm/employer	5
Title	Environmental Scientist	Years of experience with other firm(s)/employer(s)	NA

Degree(s) / Years / Specialization			BS, 2018 – Science, Environmental Quality
Active registration number / state / expiration date			NA
Year registered	N/A	Discipline	Wetland Delineation
Contract role(s) / brief description of responsibilities			Administrative

Ms. Jenee Dansdill is an Environmental Scientist with experience in permitting. Ms. Dansdill utilizes Deltek Ajera software which enables careful watch on progress and budget of projects. She is knowledgeable in EJCDC documents and the requirements of contracts and Amendments.

April 2025- Current | APPJ Poplar St. Bridge Replacement	*Billing and Contract Manager.* BWC Billing and Contract Manager. Correspond with client to create and execute contract, create budget reports and inform Project engineer

Firm employed by	Huval and Associates, Inc.			
Name	David S. Huval Sr., P.E., P.L.S.		Years of relevant experience with this employer	33
Title	President		Years of relevant experience with other 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 / 03/31/2027 2015 /LA / 03/31/2027	
Year registered	1965	Discipline	Civil Engineering and Land Surveying	
Contract role(s) / brief description of responsibilities			Civil Engineer, Professional Land Surveyor – Principal	

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	Colby J Guidry, P.E.			Years of relevant experience with this employer	18
Title	Vice President and Lead Engineer			Years of relevant experience with other 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, Inspection, Ratings / Certified Bridge Inspector		

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.

January 2008 - Present	**Public and Private Bridge Load Ratings – Statewide** – Lead Rating Engineer for bridges all across the state on a continual basis. Numerous load ratings are 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.
March 2023 - Present	**Jimmie Davis Bridge (LA 511 – Design Build Project)** – Shreveport, LA – Design Quality Control Manager for all design aspects of the project. The bridge design and construction involve a new steel girder and concrete girder bridge across the Red River as well as the complete rehabilitation of the existing LA 511 truss bridge and conversion to a Linear Park.
November 2018 - Present	**Old Mississippi River Railroad Bridge and Tunnel (Old US80) – Vicksburg, MS** – Lead inspector and Bridge designer for the continued annual inspection program and as needed repair design and construction management. The bridge is a 1930s era truss bridge. Over the last 7 years, have been the lead inspector for the annual inspection of the bridge and tunnel, performed emergency inspections on 24-hour call for any barge impacts or other bridge emergencies, assisted in the design of multiple repair projects for the truss structure as well as for the substructure elements, and assisted in the construction project management for the various construction projects performed on the bridge.

October 2010–January 2022	**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, and abutment repairs.
April 2018-April 2023	**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.
December 2020-June 2021	**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.
January 2016-December 2017	**Inner Harbor Canal Seabrook Bridge Structural Repairs – New Orleans, LA**- Lead Engineer for the design of temporary and permanent repairs for the steel truss bascule bridge built in the early 1900's. The repairs were complex structural repairs to the floor system, bottom chords, laterals, stringers, and floor beams in addition to various mechanical system repairs. Adding to the complexity of this design was the requirement to perform many repairs under train live loads. An elaborate temporary jacking strut system was also designed to remove the dead and live loads in the various members during replacement.
September 2012-December 2017	**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.
May 2011-August 2015	**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.
August 2009-June 2015	**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.
January 2013-November 2015	**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.
January 2011-August 2014	**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	Huval and Associates, Inc.			
Name	Justin Peltier, P.E.		Years of relevant experience with this employer	12
Title	Civil Engineer		Years of relevant experience with other 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			Bridge Design, Bridge Ratings, Project Management	

Mr. Peltier joined Huval & Associates in 2013 with 8 years of experience in civil engineering. Previously employed with LADOTD, he was involved with the design, live load rating, plan development, and construction support of more than 20 bridge replacement projects. These consisted of various superstructure and substructure types including but not limited to: AASHTO p.p.c. girders, quadbeams, cast-in-place slab spans, precast slab spans, steel girders, steel swing spans, concrete box culverts, p.p.c. pile bents, steel H-pile and pipe pile bents, timber pile bents and column bents supported by drilled shafts and/or p.p.c. pile footings.

Mr. Peltier assisted in developing and maintaining LADOTD's highway safety hardware details and specifications, including but not limited to guard rail, barrier rail, and crash cushion attenuators. He served as the Engineer of Record for the LADOTD concrete barrier rail and the detour bridge special details. Mr. Peltier's training includes the NHI LRFR for Highway Bridge Superstructure Course, the NHI AASHTO LRFD for Highway Bridge Superstructure Course, the NHI AASHTO LRFD for Highway Bridge Substructure Course, the Roadside Design Course, ATSSA Traffic Control Technician and Supervisor Course.

September 2020- 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.
April 2018- Present	**I-49 South at Verot School Road, Lafayette, LA, S.P. H.011235.** 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).

September 2017- 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 Overpass bridge to increase the vertical clearance above I-20 once the inside widening is complete.
September 2019- 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.
March 2019 – April 2023	**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.
July 2017 – August 2020	**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.
June 2014 – April 2019	**US 90 (I-49South), Albertson's Parkway to Ambassador Caffery, Design-Build Project, Lafayette Parish, S.P. No. H.010620.** Bridge design manager and lead bridge design for the new US 90 bridge over Albertson Parkway and provided Q.C. for the US 90 BNSF RR overpass bridge within the same footprint as the existing bridge while maintaining 4-lanes of US 90 traffic during construction. This presented unique design challenges and required a complex, three-phase, traffic control and construction sequencing plan to move traffic safely through the tight work zone. The bridges consisted of multi-continuous p.p.c. girders spans supported by concrete column bents and pile footings. The developed design concept saved millions of dollars and allowed the James Team to be 15% below the construction estimate of the nearest competitor.

Firm employed by	Huval and Associates, Inc.				
Name	Reid Romero, P.E.			Years of relevant experience with this employer	17
Title	Civil Engineer			Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			08/04-05/08 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, Ratings & Project Management		

Mr. Romero came to HUVAL after graduating from the University of Louisiana at Lafayette in 2008. Since joining Huval & Associates, Inc., Mr. Romero has been involved in bridge and structural design, plan preparation, bridge inspections and construction support services. Mr. Romero completed several NHI training courses including Fundamentals of LRFR and Applications of LRFR for bridge superstructures course, and a Drilled Shaft LRFD design methods and construction procedures course. Mr. Romero is familiar with the LADOTD Bridge Design and Evaluation Manual, LADOTD LRFD Bridge Design Manual, 2002 AASHTO Bridge Specifications, as well as the current AASHTO LRFD Bridge Specifications.

Sept 2023- 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 lead bridge design for the $5M retainer.
March 2023- 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 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. Lead Structural Engineer for the Bridge Rehabilitation plans required to convert the existing traffic bridge to a pedestrian bridge/Linear Park. Rehabilitation plans include concrete deck replacement, concrete substructure repairs, steel superstructure repairs, bearing rehabilitation, cleaning and painting of all structural metalwork, and ADA compliant steel bridge railing and joint rehabilitation.
January 2022- 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.

November 2018 – Present	**Old Mississippi River Railroad Bridge and Tunnel (Old U.S. 80)** - Performed Complex Bridge Design for the Old U.S. 80 Bridge Over the Mississippi River including bridge safety and repair inspections, structure maintenance and repair plans for the existing combination highway and railway through truss and the approach deck girder bridge. Performed calculations for Heavy Haul/Overweight Load special crossings.
May 2020 – May 2025	**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 $5M retainer.
March 2019 – June 2023, December 2019 – January 2023	**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 replaced the Butte LaRose Pontoon bridge. Designed, detailed, and sealed final plans, specifications, calculations, load rating and cost estimates for all structural elements.
July 2017 – August 2020, November 2017 – July 2018	**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.
December 2009 – January 2013	**St. Ann Swing Span Bridge, S.P. 700-55-0107 & S.P. H.005029.5**– Assisted in plan preparation and performed designed calculations on this swing span bridge. Performed moment balance calculations, design of pedestrian walkway, counterweight design calculations, traffic barrier design calculations, light pole foundation design calculations, quantity calculations, design checks of stringer and main girders, and plan review and markups. Provided construction services on an as-needed basis.
December 2011 – January 2013	**Seabrook, Port of New Oreleans Req. No. 077704** – Performed span balancing calculations of the bascule bridge throughout the different construction phases. Designed temporary support brackets to elevate existing ballast beams to allow for painting of the bottom chord. Provided additional construction services on an as-needed basis.
January 2012 – November 2013	**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
March 2009- November 2010	**I-49 North (LA 1 – LA 173), S.P. 701-65-1230 & S.P. 701-65-1349**– Assisted in plan preparation and performed LRFD design calculations on a Type BT Prestressed Girder Bridge and a Type IV Prestressed Girder Bridge. Performed fixed and expansion bearing pad design, deck and overhang reinforcing design, quantity calculations and QA/QC, strip seal joint opening calculations, girder design check using LEAP Conspan, cap and column design check using LEAP RC Pier, and elevation checks.

Firm employed by	Pelican Land Surveying, LLC				
Name	Darren B. Sargent			Years of relevant experience with this employer	20
Title	Field Manager			Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization			BS Computer Science / Spring 2003/ 30 hours in surveying curriculum		
Active registration number / state / expiration date			PLS License No. 4936 / Louisiana / Expires 03/31/2027		
Year registered	2004	Discipline	Professional Land Surveyor		
Contract role(s) / brief description of responsibilities			Professional Land Surveyor / Party Chief		

Mr. Darren Sargent is a Professional Land Surveyor with 20+ years experience. He is Field Manager of Pelican Land Surveying, LLC.	
December 2023-July 2025	CPPJ, LA 108 / Swisco Rd intersection improvements - boundary and topographic survey, easement plats, legal descriptions
December 2022-February 2025	CPPJ, Belfield Ditch Multi-Road Crossing Replacement Project, Moss Bluff - boundary and topographic survey, easement plats and legal descriptions
October 2022-November 2022	Beauregard Parish Police Jury, Camp Edgewood Road Improvements, Ragley - topographic and right-of-way survey
August 2022-July 2025	CPPJ, W. Parish Bridge Replacement, Sulphur - topographic, boundary/property, right-of-way survey, easement plats, legal descriptions
July 2015-November 2021	CPPJ, Ham Reid Road Extension, Lake Charles - topographic, boundary/property surveys, right-of-way/easement plats and legal descriptions for road extension from Elliott Road to Big Lake Road
April 2022-Present	CPPJ, Ravia Road Bridge Replacement, Sulphur - topographic, boundary/property, right-of-way plats with legal descriptions
November 2023-March 2024	Lateral W-3 Drainage Improvements - topographic survey, boundary/property survey
September 2021-December 2024	CPPJ / LADOTD, LA 384 Roundabout at Ham Reid Road Extension, Project Agreement No. PA070002, Lake Charles - right-of-way property map, additional road right-of-way and temporary construction easements, legal descriptions
May 2022-September 2022	CPPJ, LA 27 at Patton Street Intersection Improvements, Sulphur - topographic and right-of-way survey
June 2024-January 2025	CPPJ / LADOTD, Patton Street / South Beglis ROW (LA 27) additional road right-of-way and temporary construction easements, legal descriptions
April 2007-August 2011	City of Lake Charles, Enterprise Boulevard Extension - topographic, boundary/property survey, right-of-way plats with legal descriptions
February 2016-December 2020	Calcasieu Parish - Patton Street Bridge Replacement - topographic and property survey, right-of-way/easement plats and legal descriptions
August 2015-January 2022	Calcasieu Parish - Johnny Breaux Road Extension – topographic, boundary/property surveys, right-of-way/easement plats and legal descriptions
February 2017-December 2021	Calcasieu Parish - Big Woods Vinton Road Bridge Replacement - topographic and property survey, right-of-way/easement plats and legal descriptions

Firm employed by	Pelican Land Surveying. LLC				
Name	David W. Sargent			Years of relevant experience with this employer	19
Title	Office Manager			Years of relevant experience with other employer(s)	19
Degree(s) / Years / Specialization			BA / Spring 1989 / Finance		
Active registration number / state / expiration date			LA PLS 4909 Expires 03/31/2026		
Year registered	2004	Discipline	Land Surveying		
Contract role(s) / brief description of responsibilities			Professional Land Surveyor, Party Chief		

Mr. David Sargent is a professional land surveyor with 20+ years experience. Mr. Sargent specializes in topogrpahic survey, right-of-way and easement plats and legal descriptions.

December 2023-July 2025	CPPJ, LA 108 / Swisco Rd intersection improvements - boundary and topographic survey, easement plats, legal descriptions
December 2022-February 2025	CPPJ, Belfield Ditch Multi-Road Crossing Replacement Project, Moss Bluff - boundary and topographic survey, easement plats and legal descriptions
October 2022-November 2022	Beauregard Parish Police Jury, Camp Edgewood Road Improvements, Ragley - topographic and right-of-way survey
August 2022-July 2025	CPPJ, W. Parish Bridge Replacement, Sulphur - topographic, boundary/property, right-of-way survey, easement plats, legal descriptions
July 2015-November 2021	CPPJ, Ham Reid Road Extension, Lake Charles - topographic, boundary/property surveys, right-of-way/easement plats and legal descriptions for road extension from Elliott Road to Big Lake Road
April 2022-Present	CPPJ, Ravia Road Bridge Replacement, Sulphur - topographic, boundary/property, right-of-way plats with legal descriptions
November 2023-March 2024	Lateral W-3 Drainage Improvements - topographic survey, boundary/property survey
September 2021-December 2024	CPPJ / LADOTD, LA 384 Roundabout at Ham Reid Road Extension, Project Agreement No. PA070002, Lake Charles - right-of-way property map, additional road right-of-way and temporary construction easements, legal descriptions
May 2022-September 2022	CPPJ, LA 27 at Patton Street Intersection Improvements, Sulphur - topographic and right-of-way survey
June 2024-January 2025	CPPJ / LADOTD, Patton Street / South Beglis ROW (LA 27) additional road right-of-way and temporary construction easements, legal descriptions
April 2007-August 2011	City of Lake Charles, Enterprise Boulevard Extension - topographic, boundary/property survey, right-of-way plats with legal descriptions
February 2016-December 2020	Calcasieu Parish - Patton Street Bridge Replacement - topographic and property survey, right-of-way/easement plats and legal descriptions

August 2015-January 2022	Calcasieu Parish - Johnny Breaux Road Extension – topographic, boundary/property surveys, right-of-way/easement plats and legal descriptions
February 2017-December 2021	Calcasieu Parish - Big Woods Vinton Road Bridge Replacement - topographic and property survey, right-of-way/easement plats and legal descriptions

Firm employed by	Pelican Land Surveying. LLC				
Name	Eric Watts			Years of relevant experience with this employer	18
Title	Senior CAD Drafter			Years of relevant experience with other employer(s)	11
Degree(s) / Years / Specialization			Associates Degree / 1995 / Civil Drafting		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Drafting/Computations		

Mr. Eric Watts is the Senior CAD Drafter for Pelican Land Sruverying. He has 18 years experience and has been with Pelican Land Surveying, LLC for 11 years..

December 2023-July 2025	CPPJ, LA 108 / Swisco Rd intersection improvements - boundary and topographic survey, easement plats, legal descriptions
December 2022-February 2025	CPPJ, Belfield Ditch Multi-Road Crossing Replacement Project, Moss Bluff - boundary and topographic survey, easement plats and legal descriptions
October 2022-November 2022	Beauregard Parish Police Jury, Camp Edgewood Road Improvements, Ragley - topographic and right-of-way survey
August 2022-July 2025	CPPJ, W. Parish Bridge Replacement, Sulphur - topographic, boundary/property, right-of-way survey, easement plats, legal descriptions
July 2015-November 2021	CPPJ, Ham Reid Road Extension, Lake Charles - topographic, boundary/property surveys, right-of-way/easement plats and legal descriptions for road extension from Elliott Road to Big Lake Road
April 2022-Present	CPPJ, Ravia Road Bridge Replacement, Sulphur - topographic, boundary/property, right-of-way plats with legal descriptions
November 2023-March 2024	Lateral W-3 Drainage Improvements - topographic survey, boundary/property survey
September 2021-December 2024	CPPJ / LADOTD, LA 384 Roundabout at Ham Reid Road Extension, Project Agreement No. PA070002, Lake Charles - right-of-way property map, additional road right-of-way and temporary construction easements, legal descriptions
May 2022-September 2022	CPPJ, LA 27 at Patton Street Intersection Improvements, Sulphur - topographic and right-of-way survey
June 2024-January 2025	CPPJ / LADOTD, Patton Street / South Beglis ROW (LA 27) additional road right-of-way and temporary construction easements, legal descriptions
April 2007-August 2011	City of Lake Charles, Enterprise Boulevard Extension - topographic, boundary/property survey, right-of-way plats with legal descriptions
February 2016-December 2020	Calcasieu Parish - Patton Street Bridge Replacement - topographic and property survey, right-of-way/easement plats and legal descriptions

August 2015-January 2022	Calcasieu Parish - Johnny Breaux Road Extension – topographic, boundary/property surveys, right-of-way/easement plats and legal descriptions
February 2017-December 2021	Calcasieu Parish - Big Woods Vinton Road Bridge Replacement - topographic and property survey, right-of-way/easement plats and legal descriptions

Firm employed by	Pelican Land Surveying. LLC				
Name	Landon Sargent			Years of relevant experience with this employer	2
Title	Instrument Man			Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			BS / 2024 / Biology		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Instrument Man		
Mr. Landon Sargent is Instrutment Man for Pelican Land Sruverying.					
March 2024-July 2025	CPPJ, LA 108 / Swisco Rd intersection improvements - boundary and topographic survey, easement plats, legal descriptions				
April 2024-February 2025	CPPJ, Belfield Ditch Multi-Road Crossing Replacement Project, Moss Bluff - boundary and topographic survey, easement plats and legal descriptions				
December 2023-July 2025	CPPJ, W. Parish Bridge Replacement, Sulphur - topographic, boundary/property, right-of-way survey, easement plats, legal descriptions				
April 2024-Present	CPPJ, Ravia Road Bridge Replacement, Sulphur - topographic, boundary/property, right-of-way plats with legal descriptions				
May 2024-April 2025	CPPJ, Water Line Upgrade, Sulphur - boundary and topographic survey, easement plats and legal descriptions				

Firm employed by	Southland Environmental, LLC				
Name	C. Blaine Johnson, P.E.			Years of relevant experience with this employer	7.25
Title	Senior Engineer			Years of relevant experience with other employer(s)	31
Degree(s) / Years / Specialization			B.S. Civil Engineer 1984/Civil Engineering and Environmental Consulting		
Active registration number / state / expiration date			24671 / Louisiana / 09/30/2026		
Year registered	1991	Discipline	Professional Engineer		
Contract role(s) / brief description of responsibilities			Project Manager/Peer Review for Wetland Delineations, COE Permitting, and SOV / Categorical Exclusions		

Mr. Johnson is the Senior Engineer for Southland Environmental. He has over 38 years of experience as a Project Manager/Engineer, having performed project work on various environmental projects. Mr. Johnson has recently been the Project Manager and Engineer for engineering and construction projects in Louisiana that entailed the performance of services required to provide the documentation necessary for Environmental Assessment (EA) and/or Categorical Exclusion (CE) in accordance with the National Environmental Policy Act (NEPA) and Federal Highway Administration's (FHWA) regulations and guidelines. Mr. Johnson has also served as the Project Manager and Engineer for projects entailing data gathering, compilation, and documentation preparation of NEPA required EA's for multiple sites in Louisiana, Texas, Alabama, Arkansas, and Florida. These projects included the delineation of wetlands and other biological assessments.

August 1887- August 2025	Mr. Johnson has performed on and managed many environmental projects including environmental permitting, U.S. Army Corps of Engineers (COE) wetlands permitting and Department of Natural Resources (DNR) wetlands permitting, and Coast Guard bridge permitting. As a registered Civil Engineer in the State of Louisiana, he has generated and reviewed many drawings and exhibits required for COE and DNR permit applications. Mr. Johnson will be able to utilize his extensive experience as Project Manager/Engineer and Peer Review on this project to ensure successful completion of LDOTD's projects.

Firm employed by	Southland Environmental, LLC				
Name	Jared R. King, P.G.			Years of relevant experience with this employer	7.25
Title	Senior Environmental Scientist			Years of relevant experience with other employer(s)	14
Degree(s) / Years / Specialization			B.S. Environmental Science, 2004/ Environmental Science		
Active registration number / state / expiration date			836 / Louisiana / 06/01/2026		
Year registered	1991	Discipline	Professional Geoscientist		
Contract role(s) / brief description of responsibilities			Project Coordinator/COE Permitting and Wetland Delineations, and SOV / Categorical Exclusions		

Mr. King is an owner of Southland Environmental and has over 22 years of experience in a broad range of environmental projects, which include environmental sampling, wetlands delineations and permit applications, and site assessments.

January 2003- August 2025	Mr. King has performed site assessments associated with engineering and construction projects in Louisiana that entailed the performance of services required to provide the documentation necessary for Environmental Assessment (EA) and/or Categorical Exclusion (CE) in accordance with the National Environmental Policy Act (NEPA) and Federal Highway Administration's (FHWA) regulations and guidelines. He has performed numerous wetland delineations in accordance with the procedures and methods described in the US Army Corps of Engineers (COE) 1987 Manual for Wetland Delineations and the Atlantic and Gulf Coastal Plain Regional Supplement 2010. Mr. King has prepared numerous COE wetland permit applications and Department of Natural Resources Permit (DNR) wetland permit applications. Mr. King has firsthand experience with ArcGIS and data collection using Trimble equipment and software, which he has utilized in the generation of drawings and exhibits required for COE and DNR permit applications and NEPA documentation.

Firm employed by	Southland Environmental, LLC				
Name	Chad W. Cary.		Years of relevant experience with this employer	7.25	
Title	Environmental Scientist		Years of relevant experience with other employer(s)	18	
Degree(s) / Years / Specialization			B.S. Environmental Science / 2000 / Environmental Science		
Active registration number / state / expiration date			NA		
Year registered	NA	Discipline	NA		
Contract role(s) / brief description of responsibilities			Project Support/ COE Permitting		
Mr. Cary has over 25 years of experience in a broad range of environmental projects, which include environmental sampling, permit applications, site assessments, and waste management.					
February 2000- April 2025	Mr. Cary has performed several site assessments associated with the National Environmental Policy Act (NEPA). He has assisted in several wetland delineations in accordance with the procedures and methods described in the US Army Corps of Engineers (COE) 1987 Manual for Wetland Delineations and the Atlantic and Gulf Coastal Plain Regional Supplement 2010. Mr. Cary also has experience with the preparation COE wetlands permit applications and Department of Natural Resources Permit (DNR) wetland permit applications.				

Firm employed by	Southland Environmental, LLC				
Name	Laiken Demary		Years of relevant experience with this employer	2	
Title	Environmental Scientist		Years of relevant experience with other employer(s)	0	
Degree(s) / Years / Specialization			B.S. Agricultural Science / 2023 / Environmental Science		
Active registration number / state / expiration date			NA		
Year registered	NA	Discipline	NA		
Contract role(s) / brief description of responsibilities			Project Support/ COE Permitting		
Ms. Demary has 2 years of experience in a broad range of wetland projects. These have included managing threatened and endangered species surveys, conducting wetland delineations, and coordinating permitting with the U.S. Army Corps of Engineers (USACE) and the Department of Natural Resources (DNR).					
August 2023- August 2025	Ms. Demary has also performed site assessments associated with the National Environmental Policy Act (NEPA). Ms. Demary has firsthand experience with ArcGIS and data collection using Trimble equipment and software, which she has utilized in the generation of drawings and exhibits required for COE permit applications and DNR permit applications as well as NEPA documentation. Ms. Demary has performed numerous wetland delineations in accordance with the procedures and methods described in the COE 1987 Manual for Wetland Delineations and the Atlantic and Gulf Coastal Plain Regional Supplement 2010. Ms. Demary has procured Jurisdictional Determinations, Section 10/404 U.S. Army Corps of Engineers Permits, and Louisiana Coastal Use Permits for private, commercial, and industrial clients.				

17. Firm Experience:

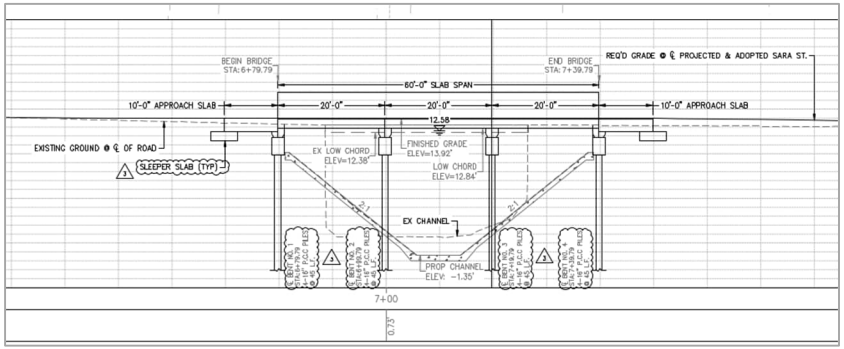
Identify the team's project experience **most relevant** to the scope in the advertisement. **The projects*** should be limited to a total of 20, with no more than 5 projects being represented by the prime consultant and with no more than 3 projects represented by each sub-consultant on the team. If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

Firm name	Bluewing Civil Consulting, LLC		Discipline(s)* BDO	Bridge, Road	
Project name	Sara Street Bridge Replacement			Firm responsibility (prime or sub?)	Prime
Project number	219001	Owner's name	Calcasieu Parish Police Jury		
Project location	Sulphur, LA		Owner's Project Manager	Clifton Vanicor	
Owner's address, phone, email	1015 Pithon St. Lake Charles, LA 70601 / 337-721-3500 / Clifton Vanicor cvanicor@calcasieuparish.gov				
Services commenced by this firm (mm/yy)	08/2019		Total consultant contract cost ($1,000's)		$108
Services completed by this firm (mm/yy)	05/2025		Cost of consultant services provided by this firm ($1,000's)		$108

Project Description: Off-system bridge replacement project in Sulphur, LA for the Calcasieu Parish Police Jury. Project scope includes bridge design, road geometrics & drainage, channel revetment & erosion protection; utility coordination and relocations; management of design sub-consultants including survey, geotechnical engineering, and environmental; responsible charge of construction plan production including temporary traffic control. Perform H&H analysis, dataset manipulation, model creation and construction plan production.

Key Project Members:

Alex Guillory, CFM, PE, Principal
Mark Dubroc, PE, Senior Engineer
Aaron Enlund, EI
Brady Bogues, EI
Ryan Breaux, CAD II Specialist
Jenee Dansdill, Permitting Specialist
Kim Mitchell, Chief of Operations



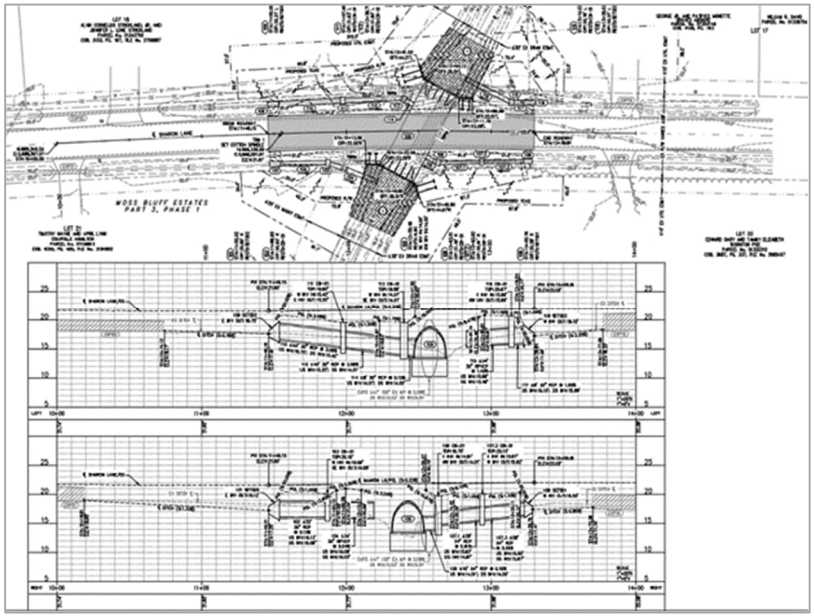
Sara St. Bridge Road Plan & Profile Image

Sara St. Bridge Current Images

Firm name	Bluewing Civil Consulting, LLC		Discipline(s)* BDO	Bridge, Road	
Project name	Belfield Ditch Multi-road Crossing Replacement			Firm responsibility (prime or sub?)	Prime
Project number	222032	Owner's name	Calcasieu Parish Police Jury		
Project location	Moss Bluff, LA		Owner's Project Manager	Clifton Vanicor	
Owner's address, phone, email	1015 Pithon St. Lake Charles, LA 70601 / 337-721-3500 / Clifton Vanicor cvanicor@calcasieuparish.gov				
Services commenced by this firm (mm/yy)	12/2022		Total consultant contract cost ($1,000's)		$211
Services completed by this firm (mm/yy)	Current		Cost of consultant services provided by this firm ($1,000's)		$211

Project Description: The Belfield Ditch in Moss Bluff, LA crosses many roadways as it drains to Little Indian Bayou. Sharon Lane, Debra Lane, and Gateway Drive are three crossings that the Calcasieu Parish Police Jury identified to be critical drainage structures that needed replacement. Belfield Ditch Multi-road Crossing Replacement project consists of the replacement of these cross drain pipes and adjusting the flowlines in preparation for future channel improvements. The engineered crossings consist of aluminum box culverts along with roadway repairs and subsurface drainage networks.

Key Project Members:
Alex Guillory, CFM, PE, Principal
Mark Dubroc, PE, Senior Engineer
Aaron Enlund, EI
Brady Bogues, EI
Ryan Breaux, CAD II Specialist
Jenee Dansdill, Permitting Specialist
Kim Mitchell, Chief of Operations

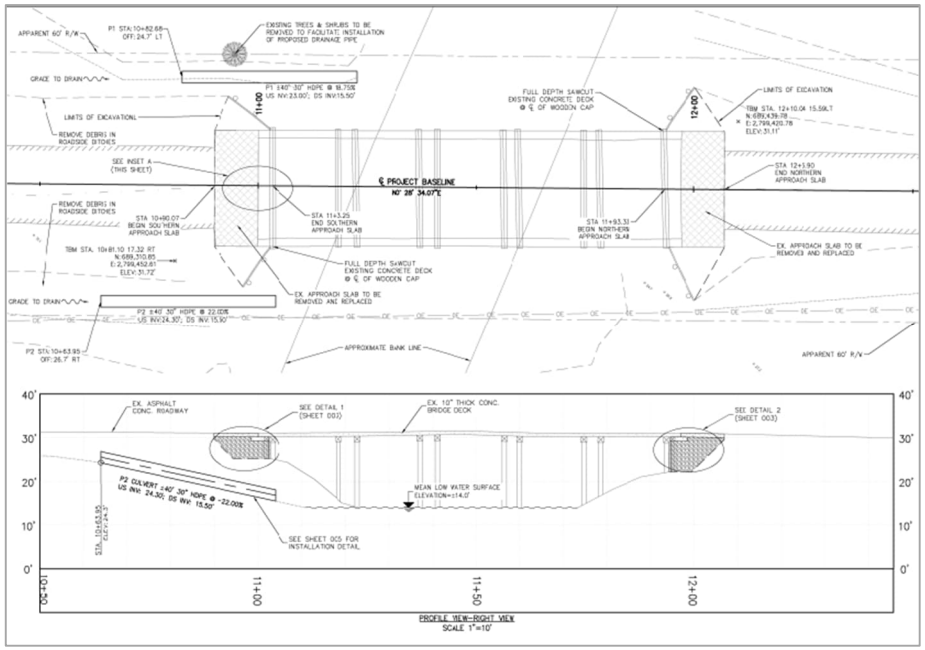


Belfield Ditch Drainage Profile Image

Firm name	Bluewing Civil Consulting, LLC		Discipline(s)* BDO	Bridge	
Project name	Manual Road Bridge Replacement			Firm responsibility (prime or sub?)	Prime
Project number	220008	Owner's name	Jeff Davis Parish Police Jury		
Project location	Jefferson Davis Parish, LA		Owner's Project Manager	Randy Ringuet	
Owner's address, phone, email	321 E. Plaquemine St. Jennings, LA / 337-824-4792 / Randy Ringuet randy@jdppj.net				
Services commenced by this firm (mm/yy)	08/2021		Total consultant contract cost ($1,000's)		T&M
Services completed by this firm (mm/yy)	05/2022		Cost of consultant services provided by this firm ($1,000's)		T&M

Project Description: BWC developed plans for a custom and unconventional repair to Manual Rd bridge in Jeff Davis Parish. A previous bridge replacement project left pre-cast concrete slabs improperly supported by the bridge end bents. This improper cantilevered support condition caused cracking to the deck. The repair included saw cutting the existing pre-cast concrete deck at both end abutments, replacing the approach slab foundation, and rebuilding the approach slab.

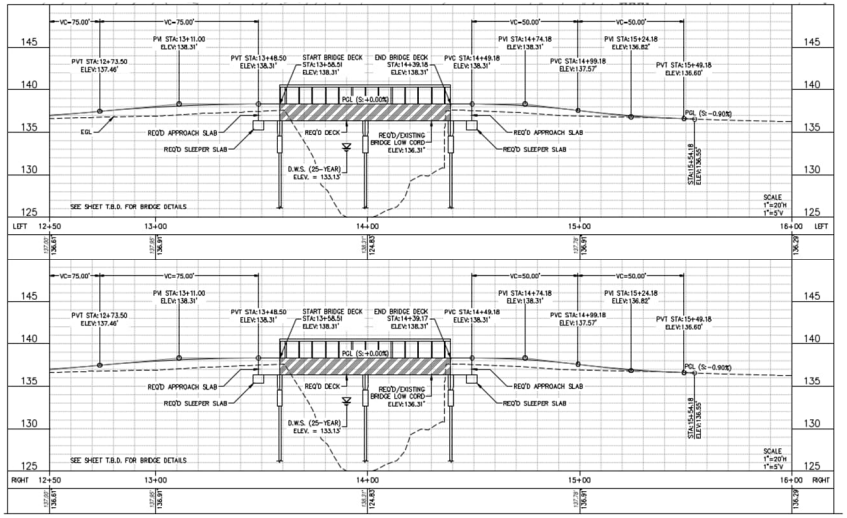
Key Project Members:
Alex Guillory, CFM, PE, Principal
Aaron Enlund, EI
Ryan Breaux, CAD II Specialist
Jenee Dansdill, Permitting Specialist
Kim Mitchell, Chief of Operations



Firm name	Bluewing Civil Consulting, LLC		Discipline(s)* BDO	Bridge, Road	
Project name	Allen Parish Poplar St. Bridge Replacement			Firm responsibility (prime or sub?)	Prime
Project number	225003	Owner's name	Allen Parish Police Jury		
Project location	Elizabeth, LA		Owner's Project Manager	Jacob Dillehay	
Owner's address, phone, email	602 Court St, Oberlin, LA 70655/ 337-639-4328 Jacob Dillehay/ djillehay@appj.us				
Services commenced by this firm (mm/yy)	05/2025		Total consultant contract cost ($1,000's)		$125
Services completed by this firm (mm/yy)	Current		Cost of consultant services provided by this firm ($1,000's)		$125

Project Description: BWC Design for off-system bridge replacement project in Elizabeth, LA for the Allen Parish Police Jury. Project scope includes bridge design, road geometrics & drainage, channel revetment & erosion protection; utility coordination and relocations; management of design sub-consultants including survey, geotechnical engineering, and environmental; responsible charge of construction plan production including temporary traffic control. Engineer's cost estimate = $1,600,000

Key Project Members:
Alex Guillory, CFM, PE, Principal
Mark Dubroc, PE, Senior Engineer
Aaron Enlund, EI
Brady Bogues, EI
Ryan Breaux, CAD II Specialist
Jenee Dansdill, Permitting Specialist
Kim Mitchell, Chief of Operations



Poplar St. Bridge Plan & Profile

Poplar Bridge Site Assessment 2023

Firm name	Bluewing Civil Consulting, LLC	Discipline(s)* BDO	Bridge
Project name	JDPPJ Bridge Repairs – Babineaux Rd Bridge	Firm responsibility (prime or sub?)	Prime
Project number	225003	Owner's name	Jefferson Davis Parish Police Jury
Project location	Jennings, LA	Owner's Project Manager	Randy Ringuet
Owner's address, phone, email	321 E. Plaquemine St. Jennings, LA / 337-824-4792 / Randy Ringuet randy@jdppj.net		
Services commenced by this firm (mm/yy)	09/2022	Total consultant contract cost ($1,000's)	T&M
Services completed by this firm (mm/yy)	07/2024	Cost of consultant services provided by this firm ($1,000's)	T&M

Project Description: BWC Design bridge repairs to rehabilitate deteriorating structural elements of the Babineaux Rd bridge. Rehabilitative repairs included spall repairs to the concrete caps, pile splicing using an epoxy-coated Kevlar wrap and carbon rods, removal/disposal of drift debris, and wingwall replacement/backfill. Final Construction Cost = $69,855.02

Key Project Members:
Alex Guillory, CFM, PE, Principal
Mark Dubroc, PE, Senior Engineer
Aaron Enlund, EI
Brady Bogues, EI
Ryan Breaux, CAD II Specialist
Kim Mitchell, Chief of Operations

Babineaux Rd Bridge Cap Repair (before/after)

Firm name	Huval & Associates, Inc.		Discipline(s)* BDO	Bridge	
Project name	Boon Lassienge Road Bridge Replacement			Firm responsibility (prime or sub?)	Prime
Project number	NA	Owner's name	St. Martin Parish Government		
Project location	Vinton, Calcasieu Parish, near Sabine River		Owner's Project Manager	Wes Dupuis	
Owner's address, phone, email	P.O. Box 9, St. Martinville, LA 70582, (337) 394-2200, wdupuis@stmartinparish.net				
Services commenced by this firm (mm/yy)	10/2024	Total consultant contract cost ($1,000's)	120		
Services completed by this firm (mm/yy)	11/2024	Cost of consultant services provided by this firm ($1,000's)	15		

Project Description: Huval served as the engineer and inspector for the Boon Lasseigne Road Bridge repair project, providing expertise to address significant structural deficiencies identified during the LADOTD's bi-annual inspection in October 2024. The bridge was closed due to severely deteriorated piles and substantial spalling on the concrete deck panels caused by age and repeated heavy loads. The inspection revealed that ten interior bent piles were in severe disrepair and needed replacement, while most of the concrete deck panels exhibited significant spalling with exposed reinforcing, raising concerns about their load-carrying capacity if re-handled.
Additionally, approximately 40 feet of asphalt on the gravel road side had failed and required replacement. Huval recommended immediate repairs to reopen the bridge safely, including the replacement of the ten interior bent piles, the installation of new concrete panels and asphalt replacement on the gravel road side.
Huval conducted routine site visits during the construction process to ensure all aspects of the project adhered to the defined scope. Their oversight guaranteed compliance with safety standards and optimized repair strategies for long-term durability and functionality. Following construction, Huval performed a comprehensive post-repair bridge inspection to verify the quality and effectiveness of the completed work.

Key Project Members:
Colby Guidry, PE – Bridge Design, Bridge Inspector
Ethan Delcambre – Bridge Inspector

Firm name	Huval & Associates, Inc.		Discipline(s)* BDO	Bridge	
Project name	Jefferson Davis Parish Bridge Inspection, Repair and Ratings		Firm responsibility (prime or sub?)	Prime	
Project number	NA	Owner's name	Jefferson Davis Parish Police Jury		
Project location	Vinton, Calcasieu Parish, near Sabine River		Owner's Project Manager	Randy Ringuet	
Owner's address, phone, email	304 N State St, Jennings, LA 70546 / Randy Ringuet randy@jdppj.net				
Services commenced by this firm (mm/yy)	2019	Total consultant contract cost ($1,000's)	150		
Services completed by this firm (mm/yy)	As-needed	Cost of consultant services provided by this firm ($1,000's)	150		

Project Description: HUVAL was contracted to perform load ratings, inspections, and bridge documentation for 48 bridges in the parish to ensure full compliance with NBIS and LADOTD requirements. The bridges inspected included timber bridges, concrete bridges, steel rail car bridges, steel pipe culverts, cast-in-place concrete culverts, and precast culverts.

As part of the project, HUVAL provided stamped and sealed rating reports for submission to LADOTD. These reports included posting limits, rating values, and repair recommendations based on field assessments of the structural conditions of the bridges.

The project was completed ahead of schedule and within budget. HUVAL continues to collaborate with the Jefferson Davis Parish Police Jury to re-rate bridges as they are repaired or as structural conditions change due to impacts, decay, or other damage.

Load ratings are regularly performed on various structure types, including concrete, timber, and steel rail car bridges, as well as steel pipe culverts, cast-in-place culverts, and precast culverts. Repair and preventative maintenance plans are developed as needed to optimize the use of parish budgets.

As of 2025, Huval performs inspections, ratings, and repairs upon request by the parish.

Key Project Members:

Colby Guidry, PE, Project Manager, Bridge Inspector
Justin Peltier, PE, Design and Ratings
Ethan Delcambre – Bridge Inspector

Firm name	Huval & Associates, Inc.		Discipline(s)* BDO	Bridge	
Project name	IDIQ Retainer Contract for Bridge Preservation Statewide		Firm responsibility (prime or sub?)	Prime	
Project number	4400023923	Owner's name	Jenny Fu, P.E.		
Project location	Vinton, Calcasieu Parish, near Sabine River		Owner's Project Manager	Jenny Fu, PE	
Owner's address, phone, email	1201 Capitol Access Rd., Baton Rouge, LA 70804-9245, (225)379-1074, Jenny.Fu@la.gov				
Services commenced by this firm (mm/yy)	09/2022	Total consultant contract cost ($1,000's)	$7,000		
Services completed by this firm (mm/yy)	No-going	Cost of consultant services provided by this firm ($1,000's)	$174		

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

LA 6 Youngs Bayou Bridges T.O. H.013821: Huval as the prime, is responsible for preparing final plans and cost estimates to address abutment and embankment failures at the Youngs Bayou Bridges in Natchitoches Parish. The project scope includes designing a soil nail stabilization system to reinforce slopes, implementing drainage modifications to address conflicts, and remediating degraded approach slabs. Huval is developing detailed plans, conducting design analyses, and coordinating geotechnical and structural engineering efforts to ensure safe and effective mitigation measures.

Nutland Road Embankment Failure T.O. H.007300- Huval is tasked with addressing the ongoing embankment failures on the north and south sides of the Nutland Road Bridge crossing I-20 in Monroe, Louisiana. To mitigate these failures, Huval will conduct geotechnical investigations, including soil borings, laboratory testing, and slope stability analyses, to develop appropriate repair recommendations. Additionally, Huval will prepare cleaning and painting plans for the Pecan Lane I-20 Flyover Exit Bridge, including estimated quantities for the engineer's cost estimate. Deliverables include detailed reports, phased plan sets, and finalized repair designs, all aligned with DOTD's schedule and requirements.

Wiggins Bayou Construction Services T.O. H.012545.6: Huval will provide construction services for the replacement of the Wiggins Bayou Bridge on LA 454 in Avoyelles Parish. Responsibilities include reviewing and transmitting shop drawings and material submittals, evaluating girder erection plans and formwork, responding to contractor RFIs, and attending the Pre-construction Conference. Huval will also perform field visits as required by DOTD and provide design services for necessary change orders.
LA 94 Construction Services T.O. H.014560.6: Huval will oversee construction services for the Vermilion River Bridge replacement on LA 94, spanning Lafayette and St. Martin Parishes. Key tasks include reviewing plans for the diversion bridge, formwork, and bearing pads, as well as addressing contractor RFIs. Additionally, Huval will perform field visits as required by DOTD and provide design support for any necessary change orders. All deliverables will comply with DOTD's timelines and standards to ensure successful project execution.

Key Project Members:
David S. Huval, Sr., Supervisor Engineer, Principal
Colby Guidry – Project Manager / Lead Bridge Design, Inspections
Lee Hupperich, Lead Movable Bridge Design
Thomas Gattle – Lead Roadway Design
Justin Peltier, Bridge Design and Ratings
Reid Romero, Bridge Design and Ratings

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

Firm name	Pelican Land Surveying, LLC		Past Performance Evaluation Discipline(s)*	Survey	
Project name	Belfield Ditch Multi-Road Crossing Replacement Project		Firm responsibility (prime or sub?)	sub	
Project number		Owner's name	CPPJ c/o Bluewing Civil Consulting, LLC		
Project location	Calcasieu Parish, LA		Owner's Project Manager	Cliff Vanicor	
Owner's address, phone, email	1015 Pithon St. Lake Charles, LA / 337-721-3500 / cvanicor@calcasieuparish.gov				
Services commenced by this firm (mm/yy)	12/22	Total consultant contract cost ($1,000's)			
Services completed by this firm (mm/yy)	02/25	Cost of consultant services provided by this firm ($1,000's)	$35.7		

Project Description: Pelican Land Surveying (PLS) was a surveying subconsultant to BWC for the Belfield Ditch Multi-Road Crossing Replacement Project. BWC's scope of design included replacement of 3 existing tankcar culverts in the Belfield Ditch in Moss Bluff, LA, so PLS was tasked with collecting topographic survey data, soliciting LA OneCalls for project area to collect existing utility locations, boundary/property line survey, preparation of r/w maps and legal descriptions. Darren Sargent was project manager for all surveying.

Key Project Members:
Darren Sargent, PLS
David Sargent, PLS

Firm name	Pelican Land Surveying, LLC		Past Performance Evaluation Discipline(s)*	Survey	
Project name	LA 108 / Swisco Rd Intersection Improvements			Firm responsibility (prime or sub?)	sub
Project number		Owner's name	CPPJ c/o Bluewing Civil Consulting, LLC		
Project location	Calcasieu Parish, LA		Owner's Project Manager	Alex Guillory	
Owner's address, phone, email	1015 Pithon St. Lake Charles, LA / 337- 419-0911 / alex@bluewingcivil.com				
Services commenced by this firm (mm/yy)	12/23		Total consultant contract cost ($1,000's)		
Services completed by this firm (mm/yy)	07/25		Cost of consultant services provided by this firm ($1,000's)	$29.9	

Project Description: Pelican Land Surveying (PLS) was a surveying subconsultant to BWC for the LA 108 / Swisco Rd Intersection Improvements Project. BWC's scope of design included widening Swisco Rd to add an eastbound turnlane to LA 108 and reconstruction of the LA 108 median to enable dual left-turns, so PLS was tasked with collecting topographic survey data, soliciting LA OneCalls for project area to collect existing utility locations, boundary/property line survey, preparation of r/w maps and legal descriptions. Darren Sargent was project manager for all surveying.

Key Project Members:
Darren Sargent, PLS
David Sargent, PLS

Firm name	Southland Environmental, LLC		Discipline(s)* BDO	Environmental	
Project name	Niblett's Bluff Road and Bridge Replacement			Firm responsibility (prime or sub?)	Sub
Project number	NA	Owner's name	Lancon Engineers / Calcasieu Parish Police Jury		
Project location	Vinton, Calcasieu Parish, near Sabine River		Owner's Project Manager	Lee Lancon, P.E.	
Owner's address, phone, email	905 McKinley Street, Westlake, LA, 70669, (337) 439-6333, llancon@lanconengineers.com				
Services commenced by this firm (mm/yy)	06/2016	Total consultant contract cost ($1,000's)	15		
Services completed by this firm (mm/yy)	12/2019	Cost of consultant services provided by this firm ($1,000's)	15		

Project Description: Conduct wetland permitting related activities on a 45.5-acre tract selected by the Calcasieu Parish Police Jury Engineering Department for the roadway redirection and bridge replacement located on Niblett's Bluff Road in western Calcasieu Parish. This included performing a Wetland Delineation, preparation of Wetland Delineation Report, and submittal of the Delineation Report to the Corps as part of a request for a Jurisdictional Determination for the project site. Also included the preparation and submittal of a Section 404 permit application and supporting documentation including obtaining a Water Quality Certification from the LDEQ, all for the purpose of obtaining a Corps Wetland Permit. Also included coordination with mitigation banks to obtain the mitigation for the impacted wetlands as required by the Corps.

Southland Environmental personnel involved on this project included C. Blaine Johnson as the Project Manager of the project. His role was coordination with the client and Corps pertaining to scheduling, project costs, and review of all documents generated and submitted for this project. Jared King's involvement included the wetland permit application and supporting documentation generation and coordination with the Corps and client, and preparation of the delineation report for submittal to the client and Corps. Chad Cary supported all the mentioned personnel as needed for the completion of each task listed above.

Key Project Members:
Blaine Johnson
Jared King
Chad Cary

Firm name	Southland Environmental, LLC		Discipline(s)* BDO	Environmental	
Project name	Gum Cove Road Bridge Replacement			Firm responsibility (prime or sub?)	Sub
Project number	NA	Owner's name	Lancon Engineers / Calcasieu Parish Police Jury		
Project location	Vinton, Calcasieu Parish, near Sabine River		Owner's Project Manager	Lee Lancon, P.E.	
Owner's address, phone, email	905 McKinley Street, Westlake, LA, 70669, (337) 439-6333, llancon@lanconengineers.com				
Services commenced by this firm (mm/yy)	06/2020	Total consultant contract cost ($1,000's)	8.1		
Services completed by this firm (mm/yy)	07/2022	Cost of consultant services provided by this firm ($1,000's)	8.1		

Project Description: Conduct wetland permitting related activities on a project selected by the Calcasieu Parish Police Jury Engineering Department for the roadway redirection and bridge replacement located on Gum Cove Road in southern Calcasieu Parish. This included performing a Wetland Delineation, preparation of Wetland Delineation Report, and submittal of the Delineation Report to the Corps as part of a request for a Jurisdictional Determination for the project site. Also included the preparation and submittal of a Section 404 permit application to the COE, coordination with the Department of Natural Resources (DNR) for a Coastal Use Permit and supporting documentation including obtaining a Water Quality Certification from the LDEQ, all for the purpose of obtaining a wetland permits. Also included coordination with mitigation banks to obtain the mitigation for the impacted wetlands as required by the Corps and DNR.

Southland Environmental personnel involved on this project included C. Blaine Johnson as the Project Manager of the project. His role was coordination with the client and Corps pertaining to scheduling, project costs, and review of all documents generated and submitted for this project. Jared King's involvement included the wetland permit application and supporting documentation generation and coordination with the Corps and client. Chad Cary supported all the mentioned personnel as needed for the completion of each task listed above.

Key Project Members:
Blaine Johnson
Jared King
Chad Cary

Firm name	Southland Environmental, LLC		Discipline(s)* BDO	Environmental	
Project name	Poplar Street Bridge Replacement			Firm responsibility (prime or sub?)	Sub
Project number	222026	Owner's name	Bluewing Civil Consulting, LLC / Allen Parish Police Jury		
Project location	Elizabeth, Allen Parish		Owner's Project Manager	Alex Guillory PE. Jacob Dillehay (APPJ)	
Owner's address, phone, email	604 St. John Street, Lafayette, LA 70501, (337) 419-0911, alex@bluewingcivil.com 602 Court St, Oberlin, LA 70655/ 337-639-4328 Jacob Dillehay/ djillehay@appj.us				
Services commenced by this firm (mm/yy)	03/2025	Total consultant contract cost ($1,000's)	5.8		
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	1.5		

Project Description: Conduct wetland permitting related activities on a project selected by the Allen Parish Police Jury Engineering Department for the bridge replacement located on Poplar Street in Elizabeth, northern Allen Parish. This included performing a Wetland Delineation, preparation of Wetland Delineation Report, and submittal of the Delineation Report to the client as part of a future request for an Approved Jurisdictional Determination for the project site. Will also include the preparation and submittal of a Section 404/10 permit application and supporting documentation including obtaining a Water Quality Certification from the LDEQ, all for the purpose of obtaining a Corps Wetland Permit. Also included coordination with mitigation banks to obtain the mitigation for the impacted wetlands as required by the Corps.

Southland Environmental personnel involved on this project included C. Blaine Johnson as the Project Manager of the project. His role was coordination with the client pertaining to scheduling, project costs, and review of all documents generated and submitted for this project. Jared King's involvement included the performance of the wetland delineation and generation of the delineation report for submittal to the client. Laiken Demary also performed the wetland delineation and preparation of the delineation report for submittal to the client and subsequently to the Corps. Chad Cary supported all the mentioned personnel as needed for the completion of each task listed above.

Key Project Members:
Blaine Johnson
Jared King
Laiken Demary
Chad Cary

18. Approach and Methodology:

Introduction

Bluewing Civil Consulting, LLC (BWC), established in December 2015, is a multidisciplinary team of engineers, designers, and scientists driven by a shared commitment to delivering innovative, high-quality infrastructure solutions. Our energy, drive, and collaborative expertise allow us to see every project from investigation to implementation. For the past four years, we have performed Off-System Bridge (OSB) Inspections for Jefferson Davis and Allen Parishes, giving us valuable insight into the structural challenges, environmental factors, and stakeholder priorities unique to Louisiana's bridge network.

Our project team for this assignment will be led by Alex Guillory, PE, as Principal-in-Charge and Lead Design Engineer; Brady Bogues, EI, as Project Manager; and Mark Dubroc, PE, as Senior Engineer and Design Reviewer. This core group will be supported by CAD designers, environmental specialists, and administrative staff, all with relevant OSB program experience.

Project Understanding

The Louisiana Department of Transportation and Development (DOTD) Off-System Bridge Program seeks to rehabilitate or replace structurally deficient and functionally obsolete bridges owned by local governments. These projects require a deep understanding of both state and federal funding requirements, local constraints, and best practices in bridge design and rehabilitation.

Our team recognizes that successful delivery of these projects demands:

- A thorough evaluation of existing bridge conditions.
- Cost-effective and context-sensitive design solutions.
- Coordination with DOTD and local stakeholders.
- Efficient delivery within schedule and budget.
- We have delivered 1 off-system bridge design for Calcasieu Police Jury.

Existing Site Location & Conditions

The Babineaux Rd Bridge is located in the northeast region of Jefferson Davis Parish. Babineaux Rd is a 1-mile-long dead end road with ~20 residences along it. The bridge lies within FEMA Flood Zone A and crosses an unnamed tributary that outfalls into Bayou Nezpique approximately 1 mile downstream. The existing bridge is a 4-span (slab-span) bridge comprised of deteriorating substructure and superstructure elements that the Parish has previously enlisted BWC's services to rehabilitate to keep the bridge serviceable. The scope of repairs included patching the pre-cast concrete caps, splicing various piles, debris removal, and replacing the northwest wingwall which had previously failed and migrated into the channel. The bridge structure is aligned with the road, but the channel is skewed to the bridge, so the piles consistently accumulate debris which negatively impacts flow underneath the bridge and unnecessarily increases maintenance needs of the structure.

1. Project Initiation and Planning

At BWC, we believe that close coordination with our clients at the beginning of every project is vital to early success and progress. We begin each project with a collaborative kickoff involving DOTD and local parish or municipal stakeholders to:

- Confirm project scope, schedule, and funding constraints.
- Identify data gaps or access issues for bridge inspection or surveying.
- Establish communication protocols and key milestones.
- Discuss utility, environmental, and right-of-way (ROW) considerations.

BWC will also conduct a preliminary reconnaissance of the project vicinity and develop additional topics of concern to bring to the stakeholders' attention and workshop potential strategies/solutions to overcome these issues.

Deliverables:

- Project Management Plan
- Preliminary Schedule
- QA/QC Plan

2. Site Investigation and Data Collection

We conduct field investigations to obtain accurate data for design and analysis:

- Visual and hands-on inspection of structural elements.
- Topographic and bathymetric surveys.
- Subsurface geotechnical investigations.
- Proactively identify utility and ROW conflicts early in design phase to reduce change orders and delays.
- Traffic counts and load rating assessments (if required).

All data collection activities conform to DOTD and AASHTO standards.

3. Preliminary Design and Alternative Analysis

Our team prepares concept-level designs with life-cycle cost analysis to evaluate feasible rehabilitation or replacement options:

- Evaluation of superstructure and substructure conditions.
- Assessment of hydraulic and scour conditions.
- Consideration of constructability and maintenance of traffic.
- Coordination with environmental and permitting specialists.

We present alternatives with clear recommendations to the client and stakeholders for approval.

4. Final Design and PS&E Preparation

Upon approval of the selected alternative, our team proceeds with:

- Topographic Survey (Pelican Land Surveying)
    - PLS will research property ownership and courthouse records to confirm existing road rights-of-way and boundaries, which will help in planning and acquiring necessary property or servitudes
    - Survey work will follow DOTD's OSBR and Location and Survey Manuals. Horizontal data will use the Louisiana State Plane Coordinate System (NAD-83), and vertical data will follow NAVD-88. GPS and Total Station tools will be used based on the terrain. After the fieldwork, BWC's CAD team will process the topographic data and prepare existing plan profile sheets and drainage maps under the direction of the design engineer. These will help define drainage areas and highlight potential issues for discussion with local stakeholders.
    - BWC and PLS will ensure all survey work follows the OSBR Manual's quality control and supervision standards. PLS will oversee data collection, traffic control, and field procedures. PLS will also submit a One Call request to locate underground utilities.
    - All topographic surveys, plan-profiles, cross-sections, and drainage maps will be reviewed according to OSBR Guidelines and submitted to the project manager for approval. The survey work is expected to be completed within 60 days of receiving the NTP from DOTD.
- Hydraulic Analysis (BWC)

    - BWC will analyze the bridge's watershed characteristics and develop runoff calculations utilizing the Rational Method, SCS Method, or USGS Method depending on the total drainage area
    - BWC will refer to DOTD's Hydraulics Manual for applicable hydraulic design standards including but not limited to design storm frequency, freeboard requirements, hydraulic clearance requirements, etc.
    - Utilizing USACE HEC-RAS program, BWC will model water surface profiles at the bridge structure and include this data in the bridge plan and profile sheets.
    - Upon completion of hydraulic modeling and analysis, BWC will develop a report and recommendations for the replacement structure and submit it to DOTD for approval
- Plan Development and Environmental Clearance (BWC/Huval/Southland)
    - Upon DOTD approval of the recommended replacement structure
        - BWC and Huval will proceed with plan development in preparation for a Plan-in-Hand meeting with all stakeholders.
        - BWC to mobilize Southland Environmental to conduct wetlands delineation and reporting. BWC to submit necessary plans/exhibits to Southland for USACE permitting
    - The PIH set will include
        - Title Sheet
        - Final Preliminary Typical Sections
        - Preliminary item list with quantities
        - Plan and profile sheets containing bridge layout, roadway tie-ins, guardrails, drainage design, and erosion control.
        - Preliminary cross sections
        - Required utility relocations.
        - Required right-of-way
        - Preliminary detour bridge installation
    - BWC will prepare an agenda for the PIH meeting. The agenda will contain topics including but not limited to utility relocations, design/constructability issues, items requiring stakeholder approval, and updated estimate of construction cost
    - Following the PIH meeting, BWC will proceed with Final Plan development which will include
        - Address comments received from stakeholders during the PIH meeting
        - Finalize design report and document any design exceptions that must be approved by DOTD
        - Coordinate with DOTD Geotechnical section regarding boring requests, pile design, pavement design, and retaining wall design (if applicable)
        - Conduct scour analysis and append to hydraulics report
        - Develop r/w maps if acquisition required for construction
        - Assemble book of all calculations of hydraulics, quantities, structures, other, and field books pertaining to project

Deliverables:

- Final Plans (PDF and CAD)
- Construction Specifications (LA DOTD Standard Specs + Project Specific)
- Engineer's Estimate (per DOTD format)
- Load Rating Documentation

5. Environmental and Permitting Coordination

We will provide coordination support for:

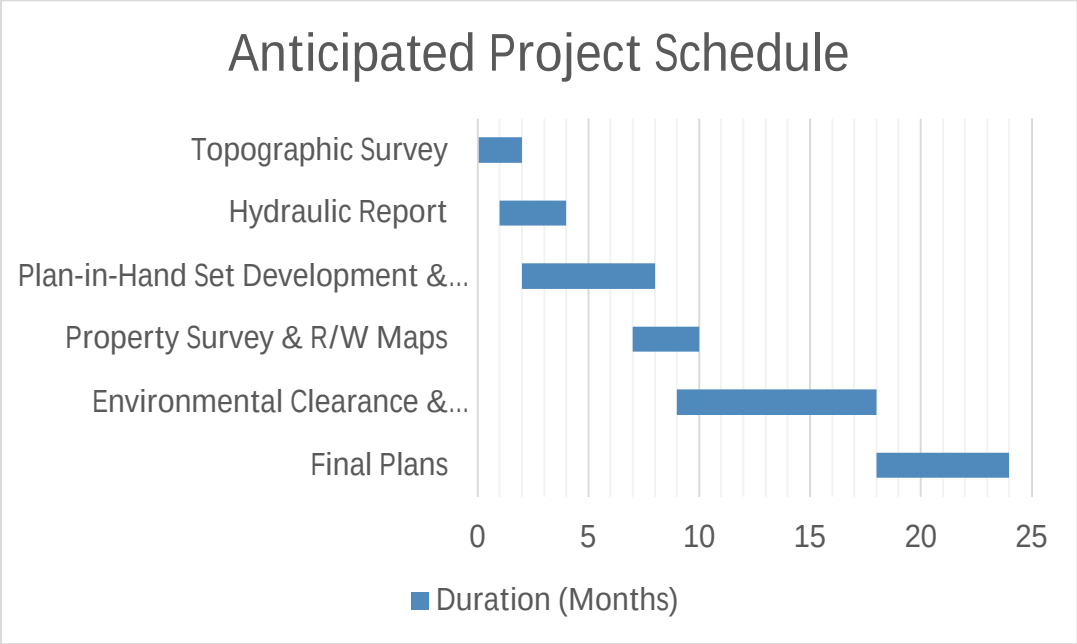
- Categorical Exclusion (CE) documentation.
- Cultural resource and wetland screening.
- Section 404/401, SHPO, and USACE permitting assistance.
- Public meeting support (if needed).

6. Bidding and Construction Support

During bidding and construction, we provide:

- Responses to contractor RFIs.
- Review of shop drawings and material submittals.
- Attendance at preconstruction meetings.
- Field visits and engineering clarification during construction.
- Final inspection support and as-built documentation preparation.

7. Anticipated Project Schedule



Conclusion

With deep expertise in bridge rehabilitation, local permitting, and DOTD standards, our firm is well-positioned to deliver safe, durable, and cost-effective off-system bridge repair solutions. We are committed to transparency, collaboration, and responsiveness throughout the project life cycle.

19. Workload:

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

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

For indefinite delivery/indefinite quantity (IDIQ) contracts, list open Task Orders individually.

List only the portion of the fees attributable to firms on the team.

Firm(s) **ALL FIRMS** MUST BE REPRESENTED IN THIS TABLE	Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
Huval & Associates	Bridge Road	Co. #:4400005673 S.P. H. 011235	I-49 South @ Verot School Road Lafayette Parish – Design Phase Supp. #3,4,5	$52,270
Huval & Associates	Bridge	Co. #:4400010428 S.P. H.004774.5	Kansas Lane-Garrett Road Connector – Supp #1	$11,644
Huval & Associates	Bridge	Co. #:4400017421 S.P. H.001352.5	Comite Diversion Bridge at LA 67 – Construction Services	$172,646
		Co. #:4400017421 S.P. H.002273.5	Comite Diversion Bridge at LA 19 & LA 19 Railroad – Const. Services	
Huval & Associates	Bridge Road	Co. #:4400029193 S.P. H.004100.5	I-10 CMAR –Design	$3,912,271
Huval & Associates	Bridge Road	Co. #:4400029193 S.P. H.004100.6	I-10 CMAR – Construction Services	$723,357
Huval & Associates	Bridge Road	Co. #. Not Assigned S.P.H. 001779	Jimmie Davis Bridge (LA 511 – Design-Build Project)	$1,640,356
Huval & Associates	Bridge	Co.#. 4400023923 S.P.H. 013821.5	LA 6: Youngs Bayou Bridges	$10

Huval & Associates	Bridge	Co.#. 4400023923 S.P.H. 007300.5	I-20 Widening and Kansas - Garrett Connector	$18,483
Huval & Associates	Bridge	Co.#. 4400023923 S.P.H. 012545.6	LA 454 - Wiggins Bayou Bridge: Construction Services	$39,352
Huval & Associates	Bridge	Co.#.4400023923 S.P.H. 014560.6	LA 94: Vermillion Bridge Replacement	$28,105
Huval & Associates	Bridge	Co.#.4400023923 S.P.H. 014283.5	US 90 IHNC Danzinger Bridge	$1,446,442
Pelican Land Surveying, LLC	Choose an item.			N/A
Southland Environmental, Inc	Choose an item.			N/A
Bluewing Civil Consulting, LLC	Choose an item.			N/A

(Add rows as needed) DO NOT SUM

*** The only disciplines to be used are: Appraiser, Bridge, CE&I/OV, CPM, Data Collection, Environmental, Geotech, ITS, Other (must specify), Planning, Right-of-Way, Road, Survey, and Traffic.** If a firm has more than one discipline for any single project, the firm can use multiple rows to express the remaining unpaid balance per discipline. ** Round to the nearest dollar. **Do not** round to the nearest thousands. If there are no active contracts with a remaining unpaid balance, place N/A in the Remaining Unpaid Balance column. NOTE: **ALL** FIRMS MUST BE REPRESENTED IN THIS TABLE. LEAVING THE "REMAINING UNPAID BALANCE" COLUMN BLANK IS NOT ACCEPTABLE.

20. <u>Certifications/Licenses:</u>

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

State of Louisiana Secretary of State

COMMERCIAL DIVISION
225.925.4704

Fax Numbers
225.932.5317 (Admin. Services)
225.932.5314 (Corporations)
225.932.5318 (UCC)

Name	Type	City	Status
BLUEWING CIVIL CONSULTING, LLC	Limited Liability Company	LAFAYETTE	Active

Previous Names

Business: BLUEWING CIVIL CONSULTING, LLC
Charter Number: 42093964K
Registration Date: 12/4/2015
Domicile Address
604 SAINT JOHN ST.
LAFAYETTE, LA 70501
Mailing Address
C/O ALEX GUILLORY
P.O. BOX 3384
LAFAYETTE, LA 70502

Status

Status: **Active**
Annual Report Status: **In Good Standing**
File Date: 12/4/2015
Last Report Filed: 11/4/2024
Type: Limited Liability Company

Registered Agent(s)

Agent: ALEX GUILLORY
Address 1: 607 MADISON ST. APT. A
City, State, Zip: LAFAYETTE, LA 70501
Appointment Date: 12/4/2015

Officer(s)

Additional Officers: No

Officer: ALEX GUILLORY
Title: Manager, Member
Address 1: 604 MADISON ST. APT. A
City, State, Zip: LAFAYETTE, LA 70501

20. <u>Certifications/Licenses:</u>

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

Colby Guidry- Huval & Associates

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 16:36:44 -04'00'
Instructor

Allison Landry
Local Coordinator

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

Stacey Caston
Stacey Caston, Director
National Highway Institute

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

NHI NATIONAL HIGHWAY INSTITUTE

Certificate of Training

Colby Guidry

has participated in

Fracture Critical Inspection Techniques for Steel Bridges

hosted by
LA DOTD/LTRC

Date: **April 27-30, 2009**
Location: **Baton Rouge, LA**
Hours of Instruction: **21**

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

NHI NATIONAL HIGHWAY INSTITUTE

Certificate of Training

Colby Guidry

has participated in

Fundamentals of LRFR and Applications of LRFR for Bridge Superstructures

hosted by
LA DOTD/LTRC

Date: **December 7-10, 2009**
Location: **Baton Rouge, LA**
Hours of Instruction: **24**

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

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**.

PLAN FOR QUALITY ASSURANCE
&
QUALITY CONTROL
OF
BRIDGE DESIGN

State Project No: HO15976

Off-System Highway Bridge Program

Babineaux Rd Over Creek

Bluewing Civil Consulting, LLC.

604 St John St

Lafayette, LA

August 2025

Table of Contents

APPENDICES

1 Description and Objective

This document has been prepared to outline the Quality Assurance and Quality Control (QA/QC) Procedures related to the design and design drawing of the bridge elements associated with and specifically for Off-System Highway Bridge Program Babineaux Rd Over Creek as required by the Louisiana Department of Transportation and Development's request for Qualification Statement for this project. The QA/QC procedures and headlined developed herein are to ensure that Bluewing Civil Consulting, LLC (BWC) has developed the design and design drawings in accordance with the Contract and that all design drawings have been properly checked to assure quality and completeness in BWC finished product.

2 Design Team

A.	Engineer of Record	Alex Guillory, PE
B.	Production Manager	Brady Bogues, EI
C.	Design Checker	Aaron Enlund, EI
D.	Reviewer	Mark Dubroc, PE

3 Establish Design Criteria

A. Project Design criteria shall be developed in accordance with the attached design criteria checklist. (Appendix A)

4 Type, Size & Location

A. Determine type, size and location of proposed structure from hydraulic analysis and report. Complete hydraulic design checklist. (Appendix C)

5 Structure Design

A. If standard plan bridge, engineer of record shall request applicable standard plans from Louisiana DOTD Project Manager
B. If special detail bridge:
C. Engineer of record shall conduct superstructure design calculations accordance with established and confirmed project design criteria for:
    i. Dead Load
    ii. Live load
    iii. Wind load
    iv. Wave load
    v. Seismic load

vi. Vessel Collision Load

D. Engineer of record shall conduct substructure design calculations in accordance with established and confirmed project design criteria for

vii. Dead Load
viii. Live load
ix. Wind load
x. Wave load
xi. Seismic load
xii. Vessel Collision Load

6 Pile Size & Length Determination

A. Engineer of record in conjunction with a geotechnical engineer shall conduct calculations for pile size and length determination utilizing data obtained from geotechnical analysis and maximizing pile load as established by standard plans or as determined from special details substructure design. the hydraulic report shall also be reviewed for effects of scour on piles. If geotechnical analysis is performed by DOTD, BWC shall submit scour calculations, soil boring logs, bridge plan and elevation sheets and bridge special details with required loading to DOTD for pile design.

7 Bridge General Plan and Elevation

A. Engineer of record shall direct development of CAD bridge plan and elevation in accordance with type, size, and location, provisions of standard plans, special details design.

8 Bridge Plan Details

A. If standard plan bridge, engineer of record shall provide instruction to insert relevant standards into plan drawing set.
B. If special detail bridge, engineer of record shall direct development of CAD Bridge details in accordance with results of special detail analysis of super and substructure.

9 Plan Checking

A. The engineer of record shall prepare the attached QA information package checklist for each submittal stage and provide checklist and plans to checker.

i. Plan-In-Hand

ii. Post Plan-in Hand
    1. R-W Sketches and Agreements
    2. Environmental, Permit Sketched & Wetland Determination
    3. Responses to all Plan-in-Hand Comments
iii. Pre-Advance Check Print (ACP)
iv. ACP
v. Final Tracings
    1. Responses to all ACP Comments

B. A technical review of bridge plan documents shall be conducted by the project plan checker consisting of the following:
    i. Check structural design calculations for super and substructure components, bearings, joints, and pile lengths for conformity with design criteria.
    ii. Check of bridge drawings developed for all primary structural components.
    iii. Check bridge drawings for conformance with CAD standards
    iv. Check all plan sheets to ensure they are in accordance with DOTD's Federal Aid Off-System Highway Bridge Program as required at each stage submittal (Appendix D)
C. The plan checker in association with the engineer of record and team leader shall conduct a constructability/biddability review.
D. Upon completion of the technical review and revisions, the engineer of record shall provide a set of sealed/stamped and signed calculations for all structural elements if special details are required.
E. Complete the attached final calculation book checklist (Appendix E)

10 Contract Document Review

A. Upon completion of the above, the project reviewer shall ensure that the design development QC process is complete and design calculations, drawings, special provision, and cost estimates are in accordance with LDOTD bridge design practices, policies and procedures inclusive of the following items:
B. Ensure the QA/QC certification is signed by all responsible parties. Ensure the geotechnical design information shown on the bridge plan is co-stamped by a Geotechnical engineer and hydraulic information shown on bridge plans is co-stamped by a Hydraulic Engineer. If useful, the hydraulic information and Geotech information should be presented on separate sheets to reduce the

engineering stamps on a sheet. If more than one engineering stamp is required on a sheet, the responsibilities for each engineer stamp shall be clearly defined.

C. Assemble design calculation from all designers including the final geotechnical analysis report and the hydraulic report from the geotechnical engineer and the hydraulic engineer, finalize the calculation book, and seal the cover sheet of the book.
D. Ensure the names of the designer, design checker, detailer, and reviewer are correctly shown on eh title block of each plan sheet. Stamp all plan sheets or designate a designer who shall be licensed by the State of Louisiana as a professional engineer to stamp sheet develop under their supervision.
E. Ensure all special provision are accurately shown on the construction proposal.
F. Complete attached QC certification.

11 Project Activity log

A. Throughout project development all meetings, milestone, submittal revisions, etc. shall be recorded on the attached project activity log.

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

1. **Cover Sheet**
   The following information must be include on the cover sheet:
   A. LADOTD Project Number
   B. Project Name
   C. Revision Date
   D. The Supervisor or Team Leader's signature and date

2. **Governing Design and Construction Specification and other Reference**
   A list of governing design and construction specifications and of the references used for the project shall be included in this section. The edition number, interim revisions, and/pr publication date must be specified for each reference.

3. **Design Assumption and Design Exceptions**
   All design assumptions/exceptions received shall be included in this section along with supporting documentation.

4. **General Information**
   The general information listed below should be included in this section:
   A. Bridge information (no. of bridges, bridge clear width, length, no. of lanes, lane width, shoulder width, etc.)
   B. Road information (roadway classifications, design speed, traffic data, etc.)
   C. Vertical datum
   D. Vertical and horizontal clearances
   E. Other relevant information

5. **Hydraulic Design Criteria**
   All hydraulic design criteria (design year, design water surface elevations, scour depth and scour elevation, etc.) shall be included in this section and the information shall be provided by the Hydraulic Engineer.

6. **Design Loads**
   The ductility factor ŋR, redundancy factor ŋR, and operational importance factor ŋI shall be listed in this section.

7. **Design Factors**
   All design loads (dead load, live load, wind load, thermal loads, vessel collision loads, seismic load, wave loads, etc.) used for the project shall be included in this section

8. **Limit States**
   All applicable limit states for this project shall be listed in this section.

9. **Bridge Barrier**
   The design criteria, types, and test levels for bridge barriers shall be listed in this section. Standard plans and special details should be listed if they are utilized.

10. **Guardrail**
    The design criteria, types, and test levels for guardrails shall be listed in this section. Standard plans and special details should be listed if they are utilized.

11. **Approach Slab**
    Design criteria for approach slab shall be included in this section. Standard plans and special details should be listed if they are utilized.

12. **Deck and Deck Drainage**
    All design criteria for deck and deck drainage design shall be included in this section. Standard plans and special details should be listed if they are utilized.

13. **Bearing**
    All bearing types and design criteria for each bearing type shall be included in this section. Standard plans and special details should be listed if they are utilized.

14. **Joint**
    All joint types and design criteria for each type shall be included in this section. Standard plans and special details should be listed if they are utilized.

15. **Superstructure**
    All superstructure types and design criteria for each type shall be included in this section. Standard plans and special details should be listed if they are utilized.

16. **Substructure**
    All substructure types and design criteria for each type shall be included in this section. Standard plans and special details should be listed if they are utilized.

17. Piles and Drilled Shafts

All pile types, sizes, and structural design criteria shall be included in this section. Standard plans and special details should be listed if they are utilized.

18. Geotechnical Design

All geotechnical design criteria shall be included in this section and the information shall be provided by the Geotechnical Engineer. Standard plans and special details should be listed if they are utilized.

19. Mechanical Design

All mechanical design criteria shall be included in this section if applicable. Standard plans and special details should be listed if they are utilized

20. Electrical/Lighting Design

All electrical design criteria shall be included in this section if applicable. Standard plans and special details should be listed if they are utilized.

21. As-Designed Bridge Rating Criteria

All as-designed bridge rating criteria shall be included in this section.

22. Software

All software used for design and checking shall be included in this section.

1. Project name and owner.
2. Purpose and need of the project
3. Contract/Budget
    a. Type [fixed fee, include additional services, etc; T&M]
    b. Phases and Values
    c. Additional services phases and values
    d. Sub-consultants scopes of work and values listed below
4. Permits and 3rd party coordination required
    a. Federal, state and/or local agencies (DOTD, LDH, DEQ, parish/city, drainage board etc)
    b. Other client consultants (ie bond attorney)
    c. Owner entities (legal counsel, finance dir, etc)
    d. Potential unknowns?
5. Identify BWC team roles/responsibilities and Staffing Plan
    a. Project Manager [describe role]
    b. Project Engineer []
    c. Project Engineer Intern []
    d. CAD Lead []
    e. Utility coordinator []
    f. Permit Coordinator []
6. Potential solutions
7. Design guidelines [AASHTO, LA DOTD Hydraulics Manual, local ordinance, etc]
    a. Design constraints [design speed, storm intensity, projected land use, assumed structural loads, etc]
8. Sub-consultant names, roles and responsibilities
    a. Survey [name of firm, field data collection and processing, type of surveys, deliverables, etc]
    b. Geotech []
    c. Structural []
    d. Environmental []
    e. Title research []
    f. Right of entry acquisition []
9. 3rd party utility coordination
    a. State what is known
    b. Discuss potential unknowns
10. Establish project timeline. Review MS Project schedule created prior to meeting
11. Establish initial in-house deadlines [2-3 IHDs]

PROJECT NO.: _____

PROJECT NAME: _____

PARISH: _____

DATE: _____

CHECKED BY: _____

1. _____ Design storm event chosen with justification (2, 5, 10, 25, 50, 100, 500)

2. _____ Design water surface elevation and required freeboard

3. _____ Scour depth and elevation

4. _____ Plans accompanied by hydraulic report with values in plans matching calculations in report

5. Hydraulic report shall include the following:

   5A. _____ Tailwater determination

   5B. _____ Discharge calculations (Rational, SCS, or USGS Method utilized)

   5C. _____ Sizing calculations

   5D. _____ Freeboard

   5E. _____ Drainage map

   5F _____ Documentation of any design assumptions, decisions, exceptions

6. _____ Report cover will be stamped, signed, and dated by the Engineer of Record

Title Sheet

___ Does the project name on the title and plan sheets match the name in the Project System?

___ Is the Project Length Table accurate?

___ Are the arrows on the Layout Map pointing to the correct location?

___ Do the beginning, ending, equation and other event callouts match the same callouts on the plan sheets?

___ Is the north arrow shown on the Layout Map?

___ Is the scale for the Layout Map labeled correctly?

Plan/Profile Sheets

___ Are all of the project baseline(s) information correct?

1. Is the correct level of accuracy used?
    a. P.I. stations to 2 decimals
    b. Northing/Easting for begin and End of project to 4 decimals
    c. Delta angle, degree of curve, and bearings to 1 decimal
    d. Tangent length, length of curve, and radius to 2 decimals
2. Are all baselines labeled correctly?
3. Is the centerline labeled as Surveyed & Adopted, Projected & Adopted, etc.?
4. Are all route names shown where appropriate?

___ Is all of the alignment information shown?

1. Are the tick marks correct?
2. Is all stationing shown?
3. Is curve data needed?
4. Are the P.C.'s, P.I.'s, P.T.'s, P.O.T.'s shown and labeled correctly?
5. Are the non curvilinear P.I.'s and bearings shown and labeled correctly?
6. If multiple baselines appear on the sheet, does the curve data specify the baseline name? (CL La 1 Curve Data) (CL Main Street Curve Data)

___ Is there enough information shown for the right-of-way ties? (A station and offset is shown at every required right of way break. Typically, for a callout at the intersection of required and existing right of way, either an offset distance, "or", an alignment station is used for one of the callout comments when tying to the existing right of way, and the other callout comment is shown or labeled as "Tie to Existing".)

Specify STATION - when existing r/w line being tied into is generally parallel to project centerline

Specify OFFSET - when existing r/w line being tied into is generally perpendicular to project centerline

___ Are the required right of way lines generally parallel to centerline tangents and concentric to centerline arcs? (Exceptions are to be made when flaring to a different offset.)

___ If taking is shown on multiple sheets for the same station/offsets (roundabouts usually), confirm that the labels are from the same baseline in every occurrence.

___ When servitudes are needed, label the servitude (construction, drainage, or railroad)

___ Are all Control Section(s) related to the project shown on each plan profile sheet.

___ Is the North Arrow shown with the proper scale?

___ Are there sufficient R/W markers? (At breaks in the Required R/W, max 1,500’ on tangents and 1,000’ on curves, PC, PT, etc.)

___ Are the limits of construction located inside of the required right of way/servitudes.

___ Multiple sites on a project do not have same or similar stationing.

___ Taking lines begin and end inside of the project limits.

DOTD Project No. _____

Name: _____

Description	Designer	Reviewer	N/A
TITLE SHEET			
DOTD Project #, Name, Recall # and Parish	☐	☐	☐
The Project Length Table is accurate.	☐	☐	☐
The arrows on the Layout Map are pointing to the correct location.	☐	☐	☐
Nature of construction described	☐	☐	☐
The north arrow is shown on the Layout Map.	☐	☐	☐
Vicinity map of state in top right hand corner with parish hatched	☐	☐	☐
Sheet index on cover sheet (w/ “sheets not included” indicated as needed)	☐	☐	☐
The scale for the Layout Map is labeled correctly.	☐	☐	☐
Check title block for project info, logos, etc.	☐	☐	☐
Signature lines	☐	☐	☐
TYPICAL SECTION SHEETS			
The projects limits are covered by the typical sections.	☐	☐	☐
Superelevation diagrams and/or tables have been provided.	☐	☐	☐
All measurements, thicknesses, and slope rates have been labeled and checked (horizontal dimensions in feet, vertical dimensions in inches.	☐	☐	☐
Existing/Proposed drainage infrastructure	☐	☐	☐
Station range for each section (all stations in project should be accounted for)	☐	☐	☐
Clear Zone shown and dimensioned (case-by-case)	☐	☐	☐
Density Control (if varies from DOTD standard spec)	☐	☐	☐
Limits of erosion control	☐	☐	☐
Design data (ADT, ESALs, SN) provided	☐	☐	☐
PLAN-AND-PROFILE SHEETS			
Verify completion of items on Location and Survey Checklist	☐	☐	☐
Legend and notes shown on first sheet	☐	☐	☐

Survey data shown 250'-500' past project start/end	☐	☐	☐
Large features (trees, cattle guards, shrubs, etc.) impacted by construction indicated with STA/OFF	☐	☐	☐
End on even stations every sheet	☐	☐	☐
Existing ground and proposed ground elevation shown on left and right side of vertical line of station numbers in profile	☐	☐	☐
Superelevation transition and rates are shown in the profile.	☐	☐	☐
PI/PC/PT/PCC labels of alignment and EOPs (varying widths) with small circle and thin solid line on concave side of curves	☐	☐	☐
Removal of drainage structures annotated	☐	☐	☐
Cross drains in plan view labeled with STA, structure #, size, length, material, INVs, angler of crossing if not 90, and any outlet erosion protection	☐	☐	☐
Cross drains in profile view plotted with elliptical shape and bottom at average of flow line elevations	☐	☐	☐
Catch basins in plan should indicate structure #, STA, standard plan, and INVs	☐	☐	☐
Trunkline in profile should indicate structure #, INVs, size, length, and slope	☐	☐	☐
Existing and/or proposed sanitary sewer line in profile with vertical clearance labeled	☐	☐	☐
Roadway vertical curve data with PVI STA/ELEV on convex side of curve	☐	☐	☐
Table with amount of each pipe size to be removed	☐	☐	☐
Swale/ditch/gutter line shown in profile for both sides of road	☐	☐	☐
If intersecting road/channel alignments, STA ## = STA ##	☐	☐	☐
The North Arrow is shown with the proper scale (1"=20').	☐	☐	☐
All right-of-way ties are shown, at all right-of-way breaks, and along curves as appropriate.	☐	☐	☐
Dimension lane widths, shoulder widths, r/w widths, etc. at start and end of every P&P	☐	☐	☐
Limits of construction is shown and located within required right-of-way or construction servitude.	☐	☐	☐
Taking lines do not extend beyond the project limits.	☐	☐	☐
Driveways, sidewalks, turnouts, etc. within right-of-way (either existing or required) are shown and annotated.	☐	☐	☐
All concrete/asphalt removal is shown with appropriate patterns, including driveways, sidewalks, parking lots, etc.	☐	☐	☐

SUMMARY SHEETS			
Guard rail requirements and stations	☐	☐	☐
Seeding/Fertilizer/Vegetative Mulch	☐	☐	☐
Earthwork quantities	☐	☐	☐
Stations for transitions	☐	☐	☐
Stations for full roadway width	☐	☐	☐
Surface quantities	☐	☐	☐
Base course quantities	☐	☐	☐
Correct item numbers and descriptions	☐	☐	☐
REFERENCE PTS AND BENCHMARK SHEETS			
Project centerline shown	☐	☐	☐
Table of benchmarks with surveyed coordinates	☐	☐	☐
Note in first P&P sheet referencing this sheet	☐	☐	☐
EXISTING DRAINAGE AREA MAPS			
Existing drainage areas	☐	☐	☐
Table of cross drains (material, size, invert, drainage area, etc.)	☐	☐	☐
Flow direction arrows	☐	☐	☐
Surveyed linework and contours	☐	☐	☐
Aerial (case-by-case)	☐	☐	☐
DESIGN DRAINAGE AREA MAPS			
Proposed drainage areas	☐	☐	☐
Flow direction arrows	☐	☐	☐
Surveyed linework	☐	☐	☐
Proposed drainage infrastructure, design (i.e. roadway and ditch geometry, etc.), and contours	☐	☐	☐
Table of drainage inlets/culverts associated to each drainage area (ID, STA, C, A, TC, duration, intensity, Q, design headwater and tailwater, req'd structure, ex. Structure)	☐	☐	☐
Aerial (case-by-case)	☐	☐	☐
SUMMARY OF DRAINAGE STRUCTURES			
Structure number, STA, side of CL, Desc, Plan, type	☐	☐	☐
All culverts and structure types are accounted for	☐	☐	☐

Culvert/structure quantities match plan and profile	☐	☐	☐
Bedding material qty matches qty summary sheet	☐	☐	☐
SPECIAL DETAILS			
Is whole sheet warranted, or can it be placed on P&P?	☐	☐	☐
Pay item established if standard pay items N/A	☐	☐	☐
GEOMETRIC LAYOUT			
Detailed intersection geometry shown with PC/PCC/PT, radius, deflection angle, etc. and other pertinent dimensions	☐	☐	☐
Driveways detailed in unusual situations	☐	☐	☐
Typical section geometry dimensions with edge of travel lane, shoulder, r/w, centerline, etc. annotated	☐	☐	☐
GRAPHICAL GRADE LAYOUT			
Graphical grade layout warranted?	☐	☐	☐
Elevations displayed at 20-25’ intervals and at grade breaks	☐	☐	☐
JOINT LAYOUT			
Can joint layout and graphical grade layout be merged or even shown on P&P or somewhere else in plans?	☐	☐	☐
Label each joint and display legend with abbreviations	☐	☐	☐
PAVEMENT MARKING LAYOUT			
Pavement marking layout needed or do standard plans suffice?	☐	☐	☐
Stripe colors, types, and widths indicated with leaders	☐	☐	☐
Geometric layout of striping indicated	☐	☐	☐
SUGGESTED SEQUENCE OF CONSTRUCTION			
Arrows indicating traffic flow	☐	☐	☐
Phasing minimizes TTC layout changes	☐	☐	☐
Include construction signage if not too congested	☐	☐	☐
Detailed notes describing construction in each phase	☐	☐	☐
One phase per sheet	☐	☐	☐
RIGHT-OF-WAY MAPS			
Project centerline and alignment data shown	☐	☐	☐

Existing and required r/w	☐	☐	☐
Required temporary construction servitude, drainage servitude, and/or utility servitude	☐	☐	☐
Limits of construction (LOC)	☐	☐	☐
Property owners and parcels with parcel number	☐	☐	☐
Required area of property to be acquired	☐	☐	☐
BRIDGE PLANS			
Name of stream/channel bridge is crossing	☐	☐	☐
Recall number	☐	☐	☐
Description of existing structure (LxW, spans, material, etc.)	☐	☐	☐
Existing and design low chord elevation noted	☐	☐	☐
Design water surface elevation noted	☐	☐	☐
Pile data and diagram	☐	☐	☐
Erosion protection (concrete revetment, flexible revetment, riprap, other) noted	☐	☐	☐
CROSS SECTIONS			
Profile of ground	☐	☐	☐
Proposed cross section	☐	☐	☐
Station location with offsets from centerline	☐	☐	☐
Elevation of the existing surface at centerline	☐	☐	☐
Elevation and offsets of points across the cross section such as centerline, lane lines, edge of shoulder, toe of slope, ditch bottom, etc.	☐	☐	☐
Cross drain pipes and RCBs if applicable	☐	☐	☐
1”=5’ scale (preferred)	☐	☐	☐
Right-of-way and construction servitude lines are shown.	☐	☐	☐
Minimum 3 cross sections/sheet, maximum 5/sheet	☐	☐	☐
Earthwork quantities are shown.	☐	☐	☐
Proposed sections do not extend beyond Required Right-of-Way.	☐	☐	☐
CONSTRUCTABILITY REVIEW			
Complete plan constructability review form	☐	☐	☐

Designer:_____ Date:_____

Reviewer:_____ Date:_____

PLAN CONSTRUCTABILITY REVIEW

DOTD PROJECT #: _____

PROJECT NAME: _____

PLAN CONSTRUCTABILITY REVIEW PURPOSE AND INSTRUCTIONS

Purpose:

- To provide information to assist in producing quality plans.
- To provide a history of information that is easily accessible.
- To provide questions to stimulate discussion of potentially problematic areas.
- To provide questions to stimulate checking details and items required to complete the project.

Instructions for Completing the Form:

- The Design Review portion of the form shall be filled out by the designer prior to 95% Final Plans submittal.
- If the Project Manager decides to have a 95% Final Plan meeting, the use of the form is not required. In lieu of the form, meeting minutes shall be taken documenting that the plans were reviewed by the District.
- The form may be filled out by any district person (ADA, Area Engineer, Lab Engineer, etc.) but the Project Engineer must sign the signature sheet that he concurs with the comments. It is encouraged that the Area Engineer and the Project Engineer both review the plans.
- The Project Engineer and any District personnel designated by the Project Engineer are responsible for reviewing the plans and filling out the review form. The Project Engineer and all reviewers must sign the signature sheet at the back of the form.
- Most questions are designed so that a "NO" answer will require comments on what is missing or needed.
- Most questions are designed so that a "YES" answer means the plans meet the project needs or that a follow up question is required.
- Comments should be shown by reference number on notes page for easy reference. (Example III-2)
- Constructability questions shall be answered/addressed prior to the Chief Engineer signing the plans. The plans should provide enough detail to construct the work required.
- Project Managers are required to respond to all comments and copy all reviewers.
- Each review is considered complete when all comments are addressed
- If question is answered N/A, question is not applicable to project.
- Comments may be required for certain checklist items. Comments are to be written at the back of the form along with reference numbers for the plan section and checklist item number.
- Project managers shall collect all review forms, insert responses to any comments and copy all reviewers.

APPLICABLE SECTION FOR REVIEW

Yes	N/A	#	Description
☐	☐	I.	TYPICAL SECTION SHEETS INFORMATION
☐	☐	II.	SUMMARY SHEETS
☐	☐	III.	PLAN-AND-PROFILE SHEETS
☐	☐	IV.	DRAINAGE
☐	☐	V.	GEOMETRIC DETAILS AND/OR STRIPING DETAILS
☐	☐	VI.	SUGGESTED SEQUENCE OF CONSTRUCTION
☐	☐	VII.	GENERAL
☐	☐	VIII.	UTILITIES
☐	☐	IX.	CROSS SECTIONS

I. TYPICAL SECTION SHEETS							
DESCRIPTION	**DESIGN REVIEW**			**DISTRICT REVIEW**			**COMMENTS**
	N/A	**YES**	**NO**	**N/A**	**YES**	**NO**	
1. Is there an existing or grading section?	☐	☐	☐	☐	☐	☐	
a. Lane width?	☐	☐	☐	☐	☐	☐	
b. Cross slope?	☐	☐	☐	☐	☒	☐	
c. Typical existing drainage	☐	☐	☐	☐	☐	☐	
d. Station range	☐	☐	☐	☐	☐	☐	
e. Existing r/w and easements	☐	☐	☐	☐	☐	☐	
f. Earthwork and grading pay items (excavation, embankment, milling, removal of…, etc.)	☐	☐	☐	☐	☐	☐	
2. Is there a finished section?	☐	☐	☐	☐	☐	☐	
a. Lane width (indicate range of values if needed for project)	☐	☐	☐	☐	☐	☐	
b. Shoulder width	☐	☐	☐	☐	☐	☐	
c. Base course width	☐	☐	☐	☐	☐	☐	
d. Cross slope	☐	☐	☐	☐	☐	☐	
e. Foreslope/backslope	☐	☐	☐	☐	☐	☐	
f. Proposed drainage	☐	☐	☐	☐	☐	☐	
g. Hydroseeding limits	☐	☐	☐	☐	☐	☐	
h. Station range (all stations in project should be accounted for)	☐	☐	☐	☐	☐	☐	

I. TYPICAL SECTION SHEETS (CONT'D)							
Proposed r/w and easements	☐	☐	☐	☐	☐	☐	
i. Materials (asphalt, base course, aggregate, etc.) and their thickness in inches	☐	☐	☐	☐	☐	☐	
j. Miscellaneous details (shoulder wedge, pavement detail, etc.)	☐	☐	☐	☐	☐	☐	

II. SUMMARY SHEETS							
DESCRIPTION	**DESIGN REVIEW**			**DISTRICT REVIEW**			**COMMENTS**
	N/A	**YES**	**NO**	**N/A**	**YES**	**NO**	
1. Will existing ditch cleaning be required?	☐	☐	☐	☐	☐	☐	
1a. If yes, are there limits and pay items?	☐	☐	☐	☐	☐	☐	
2. Are there sufficient removal items for the types of pavement/structures being removed?	☐	☐	☐	☐	☐	☐	
3. Is method of payment for earthwork design addressed (e.g. “temporary” borrow, “additional excess”, detour material, embankment, etc.)?	☐	☐	☐	☐	☐	☐	
3a. If measurement is given as a lump sum item, is an estimated quantity provided?	☐	☐	☐	☐	☐	☐	
4. Have sufficient temporary erosion control items been included?	☐	☐	☐	☐	☐	☐	
5. Are construction entrances required?	☐	☐	☐	☐	☐	☐	
5a. If yes, are the number and section shown?	☐	☐	☐	☐	☐	☐	
6. Is traffic maintenance aggregate required?	☐	☐	☐	☐	☐	☐	
6a. If yes, how much?	☐	☐	☐	☐	☐	☐	
7. Are work elements identified clearly with all corresponding pay items included with adequate quantities to construct project? (i.e. summary tables)	☐	☐	☐	☐	☐	☐	
8. Are permanent erosion and pollution control items included?	☐	☐	☐	☐	☐	☐	
9. Are sufficient temporary striping quantities provided for construction sequencing?	☐	☐	☐	☐	☐	☐	

III. PLAN AND PROFILE SHEETS							
DESCRIPTION	**DESIGN REVIEW**			**DISTRICT REVIEW**			**COMMENTS**
	N/A	**YES**	**NO**	**N/A**	**YES**	**NO**	
1. Is there enough space for utilities within the right-of-way?	☐	☐	☐	☐	☐	☐	
2. Are right-of-way and property line dimensions shown on plans?	☐	☐	☐	☐	☐	☐	
3. Does existing horizontal or vertical clearance allow for construction?	☐	☐	☐	☐	☐	☐	
4. Will overlay affect the intersection, gutters, or curbs drainage?	☐	☐	☐	☐	☐	☐	
4a. If yes, are adjustments required?	☐	☐	☐	☐	☐	☐	
5. Are retaining walls required?	☐	☐	☐	☐	☐	☐	
5a. If yes, are details provided for the walls?	☐	☐	☐	☐	☐	☐	
6. Are encroachments on the right-of-way being addressed?	☐	☐	☐	☐	☐	☐	
7. Are existing improvements within 50' of required right-of-way shown on the plans?	☐	☐	☐	☐	☐	☐	
8. Have construction or drainage servitudes been shown?	☐	☐	☐	☐	☐	☐	
9. Are the limits of clearing, grubbing, and landscaping shown?	☐	☐	☐	☐	☐	☐	
10. Can any significant tree be allowed to remain?	☐	☐	☐	☐	☐	☐	
10a. If yes are those to remain been identified?	☐	☐	☐	☐	☐	☐	
11. Are there apparent conflicts between plans and specifications?	☐	☐	☐	☐	☐	☐	
12. Are the benchmark data, required elevations, and curve data on the plans?	☐	☐	☐	☐	☐	☐	

III. PLAN AND PROFILE SHEETS (CONT'D)							
DESCRIPTION	**DESIGN REVIEW**			**DISTRICT REVIEW**			**COMMENTS**
	N/A	**YES**	**NO**	**N/A**	**YES**	**NO**	
13. Does location of the grade shown on the typical section (sub grade or finished) match grade shown in profile? (Check for label)	☐	☐	☐	☐	☐	☐	
14. Are vertical and horizontal limits of removal clear?	☐	☐	☐	☐	☐	☐	
14a. If yes, are the depths of embedment required excavation shown.	☐	☐	☐	☐	☐	☐	
14b. If yes, are details of removable item required?	☐	☐	☐	☐	☐	☐	
15. Do general site conditions conform to those represented in plans?	☐	☐	☐	☐	☐	☐	
16. Is existing topography accurate and up-to-date?	☐	☐	☐	☐	☐	☐	
17. Does profile fit the terrain?	☐	☐	☐				
18. Are the plan and profiles stationed correctly?	☐	☐	☐				
19. Is striping labeled correctly?	☐	☐	☐	☐	☐	☐	

IV. DRAINAGE INFORMATION							
DESCRIPTION	**DESIGN REVIEW**			**DISTRICT REVIEW**			**COMMENTS**
	N/A	**YES**	**NO**	**N/A**	**YES**	**NO**	
1. If subsurface drainage is being used, is there any evidence of effluent sewerage entering existing roadside ditches?	☐	☐	☐	☐	☐	☐	
1a. If yes, what is the plan of action	☐	☐	☐	☐	☐	☐	
2. Is adequate outfall information shown?	☐	☐	☐	☐	☐	☐	
3. Has sufficient drainage excavation (and/or cleaning of outfall/lateral required for adequate drainage) been shown?	☐	☐	☐	☐	☐	☐	
3a. If yes, who is cleaning laterals (City, Parish)?	☐	☐	☐	☐	☐	☐	
4. Will cleaning be required for existing drainage structures?	☐	☐	☐	☐	☐	☐	
4a. If yes, are pay items included?	☐	☐	☐	☐	☐	☐	
5. Have existing drainage patterns, their continuity, and high water indications been identified?	☐	☐	☐	☐	☐	☐	
6. Are ditches compatible with existing and proposed drainage structures?	☐	☐	☐	☐	☐	☐	
7. Are design drainage elevations shown in the plan compatible with the existing conditions?	☐	☐	☐	☐	☐	☐	
8. Is there a provision for temporary drainage?	☐	☐	☐	☐	☐	☐	
9. Is water being trapped on the lanes on travel lanes which are to be maintained during construction?	☐	☐	☐	☐	☐	☐	
10. Is there a method to connect new and existing drainage facilities?	☐	☐	☐	☐	☐	☐	

IV. DRAINAGE INFORMATION (CONT'D)							
11. Is a second profile sheet required for right and left of centerline?	☐	☐	☐				

V. GEOMETRIC DETAILS AND/OR STRIPING DETAILS							
DESCRIPTION	**DESIGN REVIEW**			**DISTRICT REVIEW**			**COMMENTS**
	N/A	**YES**	**NO**	**N/A**	**YES**	**NO**	
1. Have all areas where improvements can be made to alignment been addressed?	☐	☐	☐	☐	☐	☐	
2. Is the required information shown on the geometric sheets (e.g. curve data, sight distance, vertical datum, centerline, etc.?)	☐	☐	☐	☐	☐	☐	
3. Are curb/edge radii given for driveways and adjacent roadways?	☐	☐	☐				
4. Are radii, transitions, and other information provided if striping does not follow geometrics?	☐	☐	☐				

VI. SEQUENCE OF CONSTRUCTION							
DESCRIPTION	**DESIGN REVIEW**			**DISTRICT REVIEW**			**COMMENTS**
	N/A	**YES**	**NO**	**N/A**	**YES**	**NO**	
1. Is through traffic to be maintained?	☐	☐	☐	☐	☐	☐	
1a. If yes, is a pilot car or temporary detour road needed?	☐	☐	☐	☐	☐	☐	
1b. If no, is a detour route provided?	☐	☐	☐	☐	☐	☐	
2. If local traffic only, are sufficient details and items provided for school buses, mail carriers, emergency vehicles, or other local traffic to be maintained.	☐	☐	☐	☐	☐	☐	
2a. Are lanes on which traffic is to be maintained compatible with conditions?	☐	☐	☐	☐	☐	☐	
3. Is temporary sheeting required to maintain existing/required travel lanes?	☐	☐	☐	☐	☐	☐	
3a. If yes, are specifications and details provided?	☐	☐	☐	☐	☐	☐	
3b. If yes, is method of payment satisfactory?	☐	☐	☐	☐	☐	☐	
4. Are traffic control plans for the bridge coordinated with roadwork phasing?	☐	☐	☐	☐	☐	☐	
5. Are vertical transitions between new and existing roadways adequate?	☐	☐	☐	☐	☐	☐	
6. Are horizontal dimensions adequate to maintain traffic?	☐	☐	☐	☐	☐	☐	
7. Can utility crossings be resolved via scheduling restrictions (i.e. weekends, after hours) or temporary structures?	☐	☐	☐	☐	☐	☐	
8. Do utilities conflict with required special construction sequencing?	☐	☐	☐	☐	☐	☐	

VI. SEQUENCE OF CONSTRUCTION (CONT'D)							
DESCRIPTION	**DESIGN REVIEW**			**DISTRICT REVIEW**			**COMMENTS**
	N/A	**YES**	**NO**	**N/A**	**YES**	**NO**	
9. Are traffic operations requirements properly addressed? (i.e., signing, pavement markings signal, etc.)	☐	☐	☐	☐	☐	☐	
10. Is there sufficient clearance within the work zone for the operations (such as crane swing room)?	☐	☐	☐	☐	☐	☐	
11. Are there adequate accommodations for intersecting and crossing traffic?	☐	☐	☐	☐	☐	☐	
12. Have pedestrian and bicycle accommodations been addressed?	☐	☐	☐	☐	☐	☐	
13. Has a method of containing bridge slopes during phased construction (at end bent) and approach grade separation been identified?	☐	☐	☐	☐	☐	☐	
14. Have restrictions (e.g. lane closure, general construction, night work or peak-hour restrictions in urban areas) been identified? Are there hours and restrictions shown, adequate?	☐	☐	☐	☐	☐	☐	
15. Are there notes covering traffic signal modifications for phased construction?	☐	☐	☐	☐	☐	☐	
16. Are there notes covering pay for traffic control items?	☐	☐	☐	☐	☐	☐	
17. Is the Traffic Control Plan clear, complete, and approved?	☐	☐	☐	☐	☐	☐	
18. Are items for temporary safety devices, requirements and provision (i.e. guardrail, attenuators, barrier rails, etc.)?	☐	☐	☐	☐	☐	☐	
19. Have the traffic control signs, warning devices and barricades been located?	☐	☐	☐	☐	☐	☐	

VI. SEQUENCE OF CONSTRUCTION (CONT'D)							
DESCRIPTION	**DESIGN REVIEW**			**DISTRICT REVIEW**			**COMMENTS**
	N/A	**YES**	**NO**	**N/A**	**YES**	**NO**	
20. Are the correct TTC standard plans specified?	☐	☐	☐	☐	☐	☐	
21. Are construction notes clear and understandable?	☐	☐	☐	☐	☐	☐	
22. Is surface preparation needed for construction?	☐	☐	☐	☐	☐	☐	
22a. If so, is a pay item included?	☐	☐	☐	☐	☐	☐	
23. Is the Special Provision for Public Convenience and Safety necessary for project completion?	☐	☐	☐	☐	☐	☐	
24. Has all temporary shoring for phased construction been covered adequately?	☐	☐	☐	☐	☐	☐	

VI.A. SCHEDULING & PHASING							
1. Is scheduling and phasing coordinated with activity needs? (Schools, festivals, harvesting, parallel routes, etc.)	☐	☐	☐	☐	☐	☐	
2. Will staging areas be provided to contractors that will accommodate the sequence of work and work areas?	☐	☐	☐	☐	☐	☐	
3. Is the type and limits of fence for temporary construction servitude identified?	☐	☐	☐	☐	☐	☐	
4. Have requirements for local/state/federal special permits been addressed?	☐	☐	☐	☐	☐	☐	
5. Is safe pedestrian access and access to business and residences provided?	☐	☐	☐	☐	☐	☐	

VI.B. DETOURS							
1. Is detour facility clearly depicted?	☐	☐	☐	☐	☐	☐	
2. Do the detour limits conflict with roadway improvements?	☐	☐	☐	☐	☐	☐	
3. Is method of payment for detour satisfactory?	☐	☐	☐	☐	☐	☐	
4. Is traffic addressed on side streets?	☐	☐	☐	☐	☐	☐	

VII. GENERAL							
DESCRIPTION	**DESIGN REVIEW**			**DISTRICT REVIEW**			**COMMENTS**
	N/A	**YES**	**NO**	**N/A**	**YES**	**NO**	
1. Is the existing structure shown?	☐	☐	☐				
2. Are all conflicts identified in the plans?	☐	☐	☐				
3. Are appropriate general notes and special provisions required for construction provided?	☐	☐	☐				
4. Is there adequate construction access for demolition?	☐	☐	☐	☐	☐	☐	
5. Are there adequate provisions if signs or road markers are to be removed?	☐	☐	☐	☐	☐	☐	
6. If there is a contamination site, have utility relocations been addressed?	☐	☐	☐	☐	☐	☐	
7. Does the Corp permit require work not shown on plans?	☐	☐	☐	☐	☐	☐	
8. Do conflicts exist between landscaping and planting requirements with utilities (e.g. irrigation lines) and billboards?	☐	☐	☐	☐	☐	☐	
9. Is there sufficient space (25’-30’) for power mowers between additional trees that are planted?	☐	☐	☐	☐	☐	☐	
10. Are there any special sampling requirements needed for any NS items?	☐	☐	☐	☐	☐	☐	
11. Is the depth at the site of sufficient depth to float barges?	☐	☐	☐	☐	☐	☐	
12. Is the district in agreement with the location of the materials to be salvaged?	☐	☐	☐	☐	☐	☐	
13. Is RAP to be retained by DOTD or another LPA?	☐	☐	☐	☐	☐	☐	
13a. If so, where to store the RAP?	☐	☐	☐	☐	☐	☐	

VII. GENERAL (CONT'D)							
DESCRIPTION	**DESIGN REVIEW**			**DISTRICT REVIEW**			**COMMENTS**
	N/A	**YES**	**NO**	**N/A**	**YES**	**NO**	
14. Are pre-cast barrier needed?	☐	☐	☐	☐	☐	☐	
14a. If so, are they DOTD or contractor provided?	☐	☐	☐	☐	☐	☐	
14b. If DOTD provided, where are they stored?	☐	☐	☐	☐	☐	☐	
15. Is a field lab necessary for project completion?	☐	☐	☐	☐	☐	☐	
15a. Is it an equipped or non-equipped lab?	☐	☐	☐	☐	☐	☐	
16. Are any mailboxes to be removed/replaced?	☐	☐	☐	☐	☐	☐	
16a. Are there any brick mailboxes within the project limits to be replaced?	☐	☐	☐	☐	☐	☐	
17. Are clearing and grubbing limits shown?	☐	☐	☐	☐	☐	☐	
17a. Is burning allowed?	☐	☐	☐	☐	☐	☐	

VIII. UTILITIES							
DESCRIPTION	**DESIGN REVIEW**			**DISTRICT REVIEW**			**COMMENTS**
	N/A	**YES**	**NO**	**N/A**	**YES**	**NO**	
1. Are all the utility owners with contact numbers listed?	☐	☐	☐	☐	☐	☐	
2. Are the existing utility locations marked in the plans?	☐	☐	☐	☐	☐	☐	
3. Are the utility conflict boxes and their location noted on the plans?				☐	☐	☐	
4. Are all oil or gas wells on the project shown on the plans?				☐	☐	☐	
5. Will there be disruptions of utilities and provisions for restoration?				☐	☐	☐	
6. If utilities are outside of limits of construction but within the r/w, have all parties (including utility owners) agreed to allow them to remain in-place?	☐	☐	☐	☐	☐	☐	
7. Are there overhead utilities, guy wires, etc. in potential conflict with operations and access of large equipment?				☐	☐	☐	
8. Are there conflicts between gravity and force sewer mains and construction?	☐	☐	☐	☐	☐	☐	
8a. If yes for force main, is there a utility agreement for relocation?	☐	☐	☐	☐	☐	☐	
8b. If yes for gravity sewer, are plans included for relocation of sewer?	☐	☐	☐	☐	☐	☐	
9. Are there utility conflicts with drainage?				☐	☐	☐	
10. If project is preceded by clearing and grubbing contract, have utilities been relocated?				☐	☐	☐	

VIII. UTILITIES (CONT'D)							
DESCRIPTION	**DESIGN REVIEW**			**DISTRICT REVIEW**			**COMMENTS**
	N/A	**YES**	**NO**	**N/A**	**YES**	**NO**	
11. If there are pipelines, are they shown in the profile?	☐	☐	☐	☐	☐	☐	
12. Is there is a need for a specified utility corridor?	☐	☐	☐	☐	☐	☐	
12a. If yes, is it shown?	☐	☐	☐	☐	☐	☐	
13. Should an integrated utility relocation plan (scheduling and final location of utilities) be included in the construction plans?	☐	☐	☐	☐	☐	☐	
13a. If yes, is the integrated utility relocation plan included in the construction plans?	☐	☐	☐	☐	☐	☐	

IX. CROSS SECTIONS							
DESCRIPTION	**DESIGN REVIEW**			**DISTRICT REVIEW**			**COMMENTS**
	N/A	**YES**	**NO**	**N/A**	**YES**	**NO**	
1. Required Right-of-way, easements, construction servitudes shown	☐	☐	☐	☐	☐	☐	
2. Earthwork quantities	☐	☐	☐	☐	☐	☐	
3. Proposed sections do no extend beyond required r/w	☐	☐	☐	☐	☐	☐	
4. Existing r/w	☐	☐	☐	☐	☐	☐	
5. Cross slopes	☐	☐	☐	☐	☐	☐	
6. Minimum 3 cross sections per sheet	☐	☐	☐	☐	☐	☐	
7. Finished section displayed in section	☐	☐	☐	☐	☐	☐	
8. STA/OFF labels	☐	☐	☐	☐	☐	☐	
9. Drainage infrastructure	☐	☐	☐	☐	☐	☐	

Project No: _____

Project Name: _____

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

[Submittal Description]

_____

Supervisor and Team Leader Name Signature Date

The final calculation book for each project shall include, but not limited to the following sections:

1. Cover Sheet
    a. DOTD Project Number
    b. Project Name
    c. EOR seal with signature and date
2. Final Calculation Book Check List
3. QA/QC Certifications
4. Design Criteria
5. Final Hydraulic Analysis Report from Hydraulic Engineer
6. Final Geotechnical Analysis Report from Geotechnical Engineer
7. Superstructure Design Calculations
8. Substructure Design Calculations
9. Quantity Calculations
10. Special Provisions/NS-Items
11. Engineer's Opinion of Probable Construction Cost
12. As-Designed Rating Report

Consultants shall submit the final calculation book to LADOTD bridge Task managers; the submittal shall be on a CD or Flash Drive or placed to a designated Project Wise folder and include the following information:

1. A PDF File of the Calculation Book
2. All Electronic Design Files
3. A PDF File of the As-Designed Rating Report Only

The final calculation book for in-house projects shall include the same files above for consultant projects, the final calculation book and other final design documents for all projects including in-house and consultant projects shall be uploaded to the archiving location designated in the record retention policy within 30 calendar days after the stamped final plans are delivered.

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**
Pelican Land Surveying L.L.C.	PO Box 1747 Sulphur, LA 70664	David Sargent – P.L.S david@pelicansurvey.com	337-529-6872
Southland Environmental, LLC	510 Clarence Street Lake Charles, LA 70601	Jared King – Owner/Sr. Environmental Scientist jking@southlandenv.com	337-436-3248
Huval & Associates, Inc.	922 W. Pont Des Mouton Rd. Lafayette, Louisiana 70507	Colby Guidry – PE cguidry@huvalassoc.com	337-234-3798

(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**.