Stanley Consultants

LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT (LADOTD)

Off-System Highway Bridge Program
Angus Ave Over Drainage Canal

Contract No. 4400030642 | State Project No. H.015975.5 | 08/07/2025

Angus Ave over Drainage Canal Site Visit by Stanley Consultants, Inc.

Stanley Consultants INC.

700 Main Street
STE 405
Baton Rouge, LA 70802

P: 225.387.2422
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stanleyconsultants.com

Cover Letter

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

RE: Contract No-4400030642 – Off-System Highway Bridge Program Angus Ave over Drainage Canal

Dear Members of the Selection Committee:

The Louisiana Department of Transportation and Development (DOTD) is looking for a consultant to provide bridge design services Contract No. 4400030642. Stanley Consultants has teamed with LandSource, Inc. and ELOS Environmental, LLC to provide a comprehensive, experienced Team that is immediately available to provide design services for this Contract. As Project Manager (PM), **Blake Roussel, PE (LA #33279)** can attest to how important this Contract is to our Team. We are confident in providing the DOTD with:

A Passionate Focus on Project Delivery. Our focus on project delivery and our passion for our clients and our projects set Stanley Consultants apart! Stanley embraces the role of a consultant. We believe in helping organizations achieve their goals by providing expert advice, analysis, and solutions.

An Experienced Team Who Delivers Successful DOTD Projects. Stanley Consultants, Inc., Landsource, Inc., and ELOS Environmental, LLC have all successfully teamed on projects in Louisiana in the past. We have clear lines of communication established coupled with strong relationships. This team is prepared to work together to fulfill any needs that may arise from this task order (TO). Stanley Consultants is a firm experienced in bridge design, having designed over 90 bridges over the last ten years. Combining this bridge design experience with Stanley's knowledge of the DOTD Project Delivery Process can bring significant value to the Off-System Bridge Replacement (OSBR) Program.

Resource Capacity. Capacity, "the maximum amount or number that can be contained or accommodated". We have strategically assembled a team with resource capacity specific to structural bridge design, topographic surveying, and environmental services in mind. Stanley Consultants' bridge engineers have the capacity to take on multiple bridge design assignments. We are excited for the opportunities that the OSBR program provides.

OUR RELIABLE & EFFICIENT TEAM

STANLEY CONSULTANTS, INC. (Prime)
Road / Bridge

LANDSOURCE, INC.
Survey

ELOS ENVIRONMENTAL, LLC
Environmental

Approach & Methodology. The Stanley Consultants Team has put together an Approach and Methodology (Section 18) that proves we have done our homework. We illustrate an understanding of the scope of work and the typical project delivery schedule utilized on these types of projects. Our current work as a subconsultant designing two Off-System Bridge Replacement projects that are a part of a larger portfolio of OSBR projects supporting the IIJA OSBR program provides ample exposure to the DOTD OSBR program requirements.

Thank you for the opportunity to partner with DOTD to deliver this critical Off-System Highway Bridge Program project. If you have any questions, please contact me, Blake Roussel, as I will be the main point of contact for the duration of the contract. My contact information is (225) 388-4211 (office), and email: RousselBlake@stanleygroup.com.

Sincerely,
Stanley Consultants, Inc.

Blake Roussel, PE, PMP
Project Manager

SECTIONS 1-13

I-12 Widening Over Tchefuncte River - Designed by Stanley Consultants, Inc.

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 ANGUS AVE OVER DRAINAGE CANAL
2. Contract Number(s) as shown in the advertisement	4400030642
3. State Project Number(s), if shown in the advertisement	H.015975.5
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)	Stanley Consultants, Inc.
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	EF 000762
6. Prime consultant mailing address	700 Main Street, Suite 405; Baton Rouge, LA 70802
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	700 Main Street, Suite 405; Baton Rouge, LA 70802
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Blake Roussel, PE, PMP – Project Manager (T): 255-388-4211 RousselBlake@stanleygroup.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Blake Roussel, PE, PMP – Project Manager (T): 255-388-4211 RousselBlake@stanleygroup.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.**	Blake S. Rowell Signature above shall be the same person listed in Section 9: August 7, 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): N/A	Firm(s)' %: N/A

12. Discipline Table

Discipline(s)	% of Overall Contract	Stanley Consultants, Inc. (Prime)	LandSource, Inc.	ELOS Environmental, LLC	Each Discipline must total to 100%
Bridge	62%	100%	--	--	**100%**
Road	10%	100%	--	--	**100%**
Survey	20%	--	100%	--	**100%**
Environmental	8%	--	--	100%	**100%**
Identify the percentage of work for the overall contract to be performed by the prime consultant and each subconsultant.					
Percent of Contract	**100%**	72%	20%	8%	100%

13. Firm Size

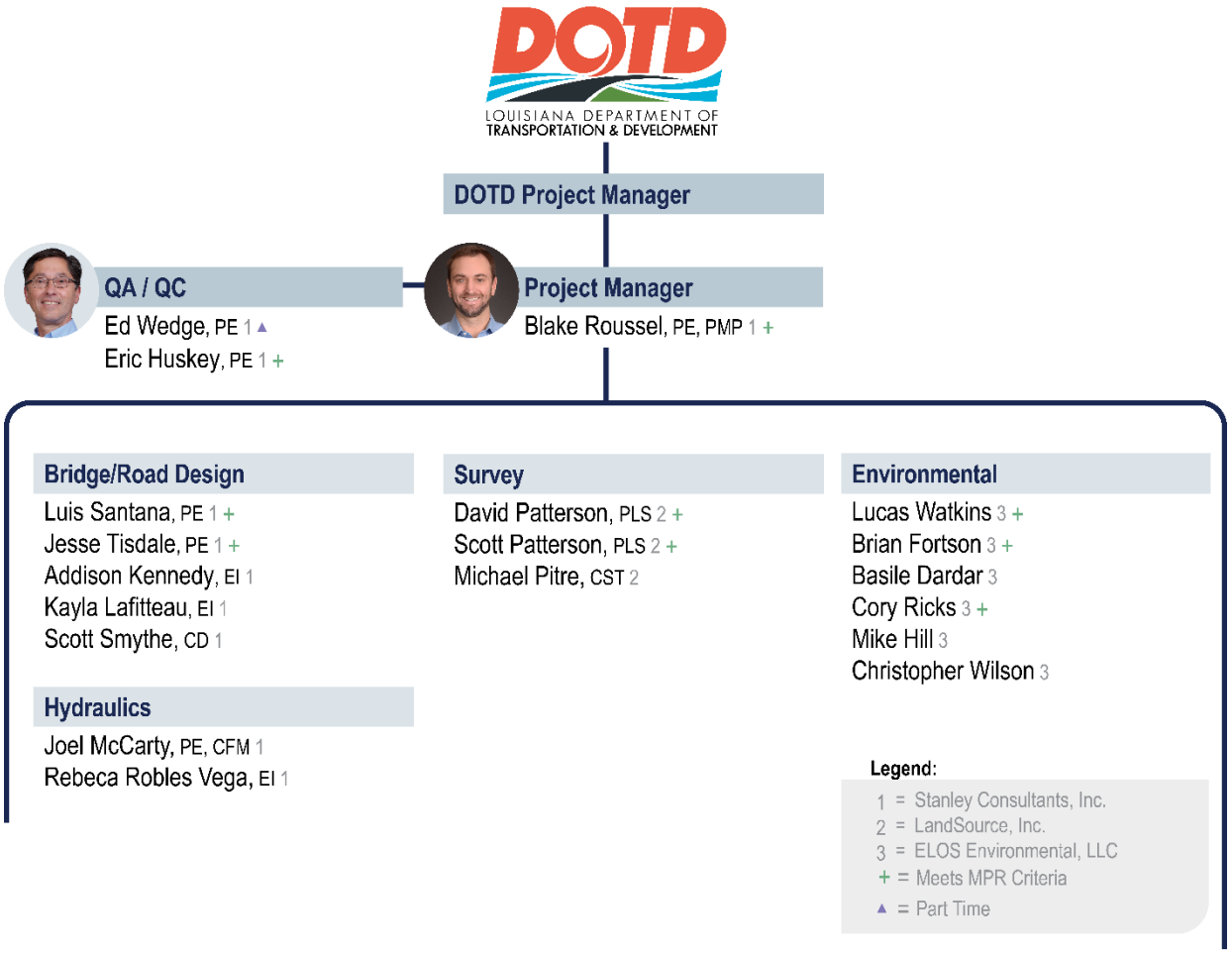
Firm Name	DOTD Job Classification	Number of Personnel Committed to this Contract	Total Number of Personnel Available in this DOTD Job Classification (if needed)
Stanley Consultants, Inc.	Supervisor – Eng	1	2
Stanley Consultants, Inc.	Engineer	2	3
Stanley Consultants, Inc.	Engineer Intern	2	3
Stanley Consultants, Inc.	Senior Technician	1	2
LandSource, Inc.	Surveyor	1	2
LandSource, Inc.	CADD Technician	1	3
LandSource, Inc.	Clerical	1	1
LandSource, Inc.	Administrative	1	2
LandSource, Inc.	Party Chief	1	2
LandSource, Inc.	Technician	1	1
ELOS Environmental, LLC	GIS Analyst	1	3
ELOS Environmental, LLC	Environmental Pro	1	2
ELOS Environmental, LLC	Environmental Manager	1	2
ELOS Environmental, LLC	Biologist/Wetlands	1	5
ELOS Environmental, LLC	Archaeologist	0	2
ELOS Environmental, LLC	Technician	1	5

SECTIONS 14-16

Bootlegger Road Bridge Design - Designed by Stanley Consultants, Inc.

14. Organizational Chart

The Stanley Consultants team was carefully assembled to assure compliance with DOTD required MPRs. Our Project Manager, Blake Roussel, PE, PMP and Jesse Tisdale, PE meet MPRs 1 and 2. Luis Santana, PE meets MPR 3. David Patterson, PLS and Scott Patterson, PLS meet MPR 4. Lucas Watkins, Brian Fortson, and Cory Ricks meet MPR 5.

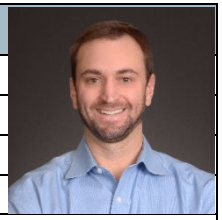


15. Minimum Personnel Requirements

MPR No. Do not insert wording from ad	Personnel Being Used to Meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm Employed By	Type of License and Discipline Meeting MPR/ certification & number (Ex: PE # – Civil)	State of License	License / Certification Expiration Date
1	Blake Roussel, PE, PMP Jesse Tisdale, PE	Stanley Consultants, Inc. Stanley Consultants, Inc.	PE #33279 – Civil Eng PE #40972 – Civil Eng	LA LA	Sep 30, 2025 Mar 31, 2027
2	Blake Roussel, PE, PMP Jesse Tisdale, PE	Stanley Consultants, Inc. Stanley Consultants, Inc.	PE #33279 – Civil Eng PE #40972 – Civil Eng	LA LA	Sep 30, 2025 Mar 31, 2027
3	Luis Santana, II, PE	Stanley Consultants, Inc.	PE #42265 – Civil Eng	LA	Mar 31, 2026
4	David L. Patterson, PLS Scott L. Patterson, PLS	LandSource, Inc. LandSource, Inc.	PLS #4784 PLS #5246	LA LA	Mar 31, 2027 Sep 30, 2025
5	Lucas Watkins Brian Fortson Cory Ricks	ELOS Environmental, LLC ELOS Environmental, LLC ELOS Environmental, LLC	N/A	N/A	N/A

(Add rows as needed)

16. Staff Experience



Firm Employed By: Stanley Consultants, Inc.			
Name:	Blake Roussel, PE, PMP	**Years of relevant experience with this employer:**	17
Title:	Senior Transportation Engineer	**Years of relevant experience with other employer(s):**	5
Degree(s) / Years / Specialization:	BS / 2003 / Civil Engineering		
Active Registration Number / State / Expiration Date:	PE 33279 / LA / 9/30/2025; PMP 2018301 / USA / 3/23/2026		
Year Registered:	2007	**Discipline:**	Civil Engineering / Project Management Professional

Contract Role(s) / Brief Description of Responsibilities:

CONTRACT ROLE: Project Manager

RESPONSIBILITIES: Blake will serve as point of contact to the DOTD PM for the contract during the project execution phase and serve as a Project Manager leading the project delivery requirements.

PROFESSIONAL PROFILE: Blake specializes in managing design teams for the development of transportation infrastructure projects. Over his two-decade career in Louisiana, he has designed or managed 20+ projects for DOTD. His professional experience encompasses project management and construction plan preparation for off-system bridges, complete streets, and road design projects, in accordance with DOTD plan preparation. Prior to joining Stanley Consultants, Blake gained valuable transportation experience employed by DOTD. Blake is a certified Project Management Professional (PMP), which is recognized across the world as the gold standard in project management.

As Project Manager, Blake is ultimately responsible for ensuring adherence to scope, schedule, and quality workflows for this contract.

Blake will combine his recent pertinent experience serving as the Stanley Consultants PM for two OSBR Program projects as a subconsultant with his knowledge of DOTD's project delivery requirements to the benefit of this project.

Meets MPRs No. 1 & 2

Experience Dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
11/24 – Present	**H.015545 Stoney Point Burch Bridge Over Drainage Bayou, DOTD, East Baton Rouge Parish, LA:** Project Manager responsible for the overall supervision of engineers performing the bridge design, road design, coordination with the prime consultant, checking compliance with design criteria and completing all forms, documents, and plans for this bridge replacement project. The project consists of replacing the existing bridge using the LADOTD standard bridge details. The project also included minor improvements to the shoulders and approach roadway to tie the new bridge to the existing roadway. The new bridge carries two 11ft lanes (one lane in each direction) of Stoney Point Burch, two 3ft shoulders, and two standard 32" barrier railings. The new bridge consists of a 6-span cast-in-place flat slab superstructure founded on concrete pile caps and 16" prestressed concrete piles. The project included the load rating of the bridge and did not involve any utility coordination.
11/24 – Present	**H.015550 Pride-Baywood Rd Over Mill Creek, DOTD, East Baton Rouge Parish, LA:** Project Manager responsible for the overall supervision of engineers performing the bridge design, road design, coordination with the prime consultant, checking compliance with design criteria and completing all forms, documents, and plans for this bridge replacement project. The project consists of replacing the existing bridge using the LADOTD standard bridge details. The project also included minor improvements to the shoulders and approach roadway to tie the new bridge to the existing roadway. The new bridge carries two 11ft lanes (one lane in each direction) of Pride-Baywood Rd, two 3ft shoulders, and two standard 32" barrier railings. The new bridge is

Firm Employed By: Stanley Consultants, Inc.	
	skewed to accommodate the direction of Mill Creek and consists of a 5-span cast-in-place flat slab superstructure founded on concrete pile caps and 16" prestressed concrete piles. The project included the load rating of the bridge and did not involve any utility coordination.
1/17 – 09/20	**Bootlegger Rd – Bridge Replacement and Road Mill and Overlay, St. Tammany Parish Government, St. Tammany Parish, LA:** Project Principal responsible for the right-of-way mapping, soil analysis, traffic data inventory, feasibility study, conceptual engineering design, opinion of construction cost, preliminary wetland assessment, and Corps of Engineers (USACE) jurisdictional determination for the mill & overlay and bridge design along a 3-mile segment of Bootlegger Road located in Covington.
11/18 – 04/22	**H.011137 I-12 LA 21 to US 190, DOTD, St. Tammany Parish, LA:** Project Principal responsible for assisting and overseeing portions of the horizontal and vertical alignment design, drainage design, and sequence of construction with minimum temporary traffic control layout and striping according to DOTD specifications, standards and design criteria. Additional responsibilities include standard PM duties including coordination, QC of plans and design, project coordination, and scheduling.
11/11 – 01/21	**H.012964 US 61: Bluebonnet Blvd to S. End US 190, DOTD, East Baton Rouge Parish, LA:** PM responsible for the overall supervision of engineers performing the survey, road design and plan preparation; coordination with the owner; reviewing the plans; checking compliance with the design criteria; and completing all required forms and documents in support of the plan package. Design tools used for this project included MicroStation.
03/17 – 08/19	**H.009633 LA 67: EBR P/L to 8 Miles North of EB, DOTD, East Feliciana Parish, LA:** PM responsible for the overall supervision of engineers performing the survey, road design and plan preparation; coordination with the owner; reviewing the plans; checking compliance with the design criteria; and completing all required forms and documents in support of the plan package. Design tools used for this project included MicroStation.
06/15 – 09/23	**H.011781 LA 675 & LA 87 Improvements, DOTD, Iberia Parish, LA:** PM responsible for the overall supervision of engineers performing the survey, road design and plan preparation; coordination with the owner; reviewing the plans; checking compliance with the design criteria; and completing all required forms and documents in support of the plan package. Design tools used for this project included MicroStation, Excel, and HYDRWIN.
10/18 – 03/20	**H.012304.5 LCG Road Overlay Program, DOTD, Lafayette Parish, LA:** PM responsible for field surveying and capturing topographic features and measuring CL stationing. Duties also include plan development, determining quantities and pay items according to DOTD specifications, standards and design criteria. Design tools used for this project included MicroStation with CadConform, Bentley InRoads and Microsoft Excel.
10/18 – 12/19	**H.012861 Prejean Road, DOTD, Lafayette Parish, LA:** PM responsible for field surveying and capturing topographic features and measuring CL stationing. Duties also include plan development, determining quantities and pay items according to DOTD specifications, standards and design criteria. Design tools used for this project included MicroStation with CadConform, Bentley InRoads and Microsoft Excel.
01/23 – Present	**H.015052 I-20: Widening/Ovrly (Vancil Rd-LA 34), DOTD, Ouachita Parish, LA:** Project Principal responsible for ensuring the project is receiving adequate resources to maintain project schedules and ensuring proper QA/QC procedures are being followed.
10/16 – 09/18	**H.009508 LA 2: Caney Creek Bridge to Webster P/L - Pavement Preservation Program, DOTD, Bossier Parish, LA:** PM responsible for the overall supervision of engineers performing the survey, road design and plan preparation; coordination with the owner; reviewing the plans; checking compliance with the design criteria; and completing all required forms and documents in support of the plan package. Design tools used for this project included MicroStation.
06/13 – 04/19	**Village De L'est Neighborhood, City of New Orleans, New Orleans, LA:** PM responsible for the roadway scoping, pavement rehabilitation design, plan preparation, construction administration, and construction resident inspection for urban local roadways. The scoping phase includes a Project Scope Report based on the results of pavement damage inspection review and assessment and its applicable rehabilitation recommendations. The scoping report includes scoping plans, pavement rehabilitation quantities, pavement damage inspection photos, as well as a written scoping report. Preliminary plan scope of work includes Milling and Asphaltic Concrete (AC) Overlay, AC patching, Portland Cement Concrete Patching, Composite Pavement Patching, driveway repairs, sidewalk repairs, waterline repairs, utility adjustments, and sanitary sewer repairs.

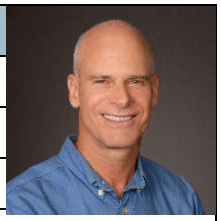
Firm Employed By: Stanley Consultants, Inc.			
Name:	Ed Wedge, PE	**Years of relevant experience with this employer:**	4
Title:	Principal Civil Engineer	**Years of relevant experience with other employer(s):**	35
Degree(s) / Years / Specialization:	BS / 1985 / Civil Engineering		
Active Registration Number / State / Expiration Date:	PE 24613 / LA / 9/30/2026		
Year Registered:	1992	**Discipline:**	Civil Engineering
Contract Role(s) / Brief Description of Responsibilities:	**CONTRACT ROLE:** QA/QC **RESPONSIBILITIES / PROFESSIONAL PROFILE:** As former Deputy Chief Engineer for the DOTD, Ed has a thorough understanding of policy, standards and processes required to perform as an engineering consultant working for the DOTD. He is knowledgeable about DOTD program management and development with respect to the environment, project design and management, construction traffic engineering, system preservation and improvements of highway bridges. While working at DOTD, Ed managed the Traffic Section, Construction and Consultant Contracts, Environmental, and Project Development for roads, bridges, programs, geotechnical, right-of-way and survey.		

Ed had over 30 years of DOTD experience that he will leverage to assure that each deliverable meets DOTD standards and quality expectations.

Experience Dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
01/13 – 06/21	**DOTD Deputy Chief Engineer; DOTD, Baton Rouge, LA:** Administers all matters, including engineering, related to the programs of the state of Louisiana with respect to the environment, project design and management, construction, traffic engineering, system preservation and regulation of highways and bridges, and other special programs as may be directed by DOTD Chief Engineer or DOTD Secretary. Assists in the approval process of all plans, specifications, and estimates for the construction of all facilities and projects for which the office is responsible. Oversees four direct reports, which have responsibilities in the areas of highways and bridges. Specifically, the Traffic Section, the Contracts Section (construction and consultant), the Environmental Section and the Project Development Division (Road, Bridge, Project Management, Geotechnical, R/W, Survey). This includes planning, organizing and evaluating the respective missions and activities of each which includes approximately 360 staff members. Routinely confers with Assistant Secretaries, DOTD Division Chiefs, District/Section Administrators and managers in an effort to coordinate work efforts, communicate operational and managerial needs, utilize resources, eliminate duplication of efforts, and facilitate achievement of the Department's overall goals. Participates in conferences with other state and federal agency officials to correlate administrative and operational programs.
04/11 – 01/15	**DOTD Project Management Director (Engineer 8 DOTD), Baton Rouge:** Directs implementation and execution of DOTD's Project Management Section. Coordinates with Chief Engineer, Project Development Chief, Project Delivery Steering committee, and Program Managers to ensure timely project delivery. Directs a staff of PMs responsible for high risk, technical, complex, environmental sensitive, regionally important and schedule constrained projects.

Firm Employed By: Stanley Consultants, Inc.	
07/08 – 04/11	**DOTD Contracts Administrator (Engineer 8 DOTD), Baton Rouge, LA:** Section Head over Consultant Contracts, Contracts and Specifications and Project Control. Monitors the processes and procedures of the Consultant Contract Services Unit, which is responsible for all contract and procurement actions for planning, environmental, engineering, and construction engineering consultant services. Monitors the processes and procedures of the Contracts & Specifications unit which is responsible for developing the construction specification package and the construction proposal; responsible for advertising projects for construction bids, issuing addenda, and assembling final contract documents after award. Monitors the processes and procedures of the Project Control unit which is responsible for managing and operating DOTD Construction Bid letting process in accordance with federal requirements and the state public bid law. Meets and confers with the Chief Engineer, participates in meetings with federal officials, consultants, contractors, and other stakeholders relative to the operations of Contract Services.
06/06 – 07/08	**DOTD Consultant Contract Services Administrator (Engineer 7 DOTD) at Louisiana Department of Transportation & Development, Baton Rouge, LA:** Provides or recommends policy relative to the procurement of consultant engineer and related contract services, determines compensation for those services, and processes all contract actions for those services. Counsels PMs and other department personnel to provide assistance and guidance concerning the procurement process and in the proper management of engineering and related services contracts. Monitors the consultant evaluation system. Evaluates the qualifications of firms competing for engineering and related services projects. Chair of the Consultant Selection Committee. Presents the short-listed firms to the Secretary for final selection. Meets with representatives of consultant engineering firms to provide feedback, information on the selection process and to provide answers to specific questions concerning selection and contract issues.
07/01 – 06/06	**Engineer 6 – Road Design at Louisiana Department of Transportation & Development, Baton Rouge, LA:** Supervised all aspects of preconstruction engineering performed by consulting engineers and in house design staff. This supervision included providing guidance in all areas of plan preparation including hydraulic design, geometric design and ensuring conformance with the AASHTO “Green Book”. The range of projects included design of freeways, urban arterials, rural collectors, and major and minor bridge replacement projects.
05/00 – 07/01	**Engineer 6 – Office of Planning and Programming at Louisiana Department of Transportation & Development, Baton Rouge, LA:** This position was created to provide the feasibility, scope and budget of new construction and reconstruction projects. Prepare alignment studies. Monitors the scope and estimated costs of projects during plan development. Reviews and makes recommendations regarding requested changes in the scope and/or budget for projects in plan development.
02/92 – 05/94	**Design Engineer – Road Design at Louisiana Department of Transportation & Development, Baton Rouge, LA:** Supervised a design squad, check design calculations and detail drawings Reviews plans for completeness. Reviews and approves plans and specifications submitted by consultant engineers.

Firm Employed By: Stanley Consultants, Inc.			
Name:	Eric Huskey, PE	**Years of relevant experience with this employer:**	26
Title:	Senior Structural Engineer	**Years of relevant experience with other employer(s):**	9
Degree(s) / Years / Specialization:		BS / 1985 / Civil Engineering; MS / 1999 / Civil Engineering	
Active Registration Number / State / Expiration Date:		PE 47330 / LA / 03/31/2027	
Year Registered:	2001	**Discipline:**	Civil Engineering



Contract Role(s) / Brief Description of Responsibilities:

CONTRACT ROLE: Structural / Bridge Design

RESPONSIBILITIES: Structural Design QAQC

Eric's 33 years of structural design will assist the team with bridge design services.

PROFESSIONAL PROFILE: Eric has engineering experience that includes analysis and design of a variety of civil engineering projects, including bridges, culverts, retaining walls, water control structures and drainage and flood control projects. His structural background includes structural analysis and design, post-design services, inspection, cost estimation, and report and construction document preparation. Eric is proficient in the use of FDOT Bridge software, Mathcad, Excel, LEAP Products, OpenBridge Modeler, ProStructures, FB-MultiPier, LPile, STAAD Pro and MDX for design. Eric's transportation experience includes design of prestressed concrete bridges, steel girders, retaining walls, culverts, and providing post-design services during construction and post tensioning. His experience also includes load rating and scour analysis of a variety of bridges. He has designed both cantilever and anchored retaining walls, and he has other design experience with drainage and flood control projects, including multi-bay spillway structures with roller gates, replacement of hoist mechanisms and operating platforms on spillway structures, small water control structures and small pump stations. Eric's experience also includes hydraulic studies for flood control projects.

Experience Dates (mm/yy–mm/yy)	**Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).**
03/15 – 02/21	**SR 80 (Southern Boulevard) at Sansbury's Way/Lyons Road, Lyons Road Bridge Widening over the C-51 Canal; Florida Department of Transportation, Palm Beach County, FL:** Eric performed as the Structural Engineer responsible for the design and detailing of the beam design of a five span 152'-6" long concrete beam bridge widened to both sides over a canal in order to add a through lane and a turn lane. The existing concrete beams were prestressed slab units with an asphalt overlay that together formed the bridge deck. The beams for each side of the bridge widening are post-tensioned together to prevent independent movement of the beams. The widening utilized the same beam type with the closure pour between the remaining existing bridge beams and the bridge widening beams utilizing Ultra High-Performance Concrete (UHPC). The use of UHPC closure pours enabled the closure pour width to be reduced to 9 inches instead of the standard 2-foot closure pour using conventional concrete.
02/18 – 09/23	**SR 9/I-95 at SR 804/Boynton Beach Blvd Interchange, Florida Department of Transportation, District 4, Boynton Beach, FL:** Structural Engineer responsible for the designs for roadway widening improvements of Boynton Beach Boulevard (about 1 mile) and each of the interchange ramps to increase capacity and promote safety. Stanley Consultants prepared designs for roadway widening improvements of Boynton Beach Boulevard (about 1 mile) and each of the interchange ramps to increase capacity and promote safety, including signing and pavement marking, signal, lighting and ITS improvements, bicycle lanes, pedestrian facilities, as well as ADA improvements along Boynton Beach Boulevard. Our team also managed subconsultants tasks including drainage design of 151storm drain structures and 'Wrong-way" driving systems (WWDS) and advanced counter measures.

Firm Employed By: Stanley Consultants, Inc.	
06/11 – 11/17	**SR 7 Extension from 60th St. North to Northlake Boulevard; Florida Department of Transportation, District 4; Palm Beach County, FL:** Acting as Structural Engineer, Eric was responsible for the design and detailing of a 151'-7 ½" span concrete girder bridge over a canal supporting a roadway on a 536-foot horizontal curve. The bridge supports four traffic lanes, two 6' bike lanes and two 6' sidewalks. Our team provided the right bridge designs that were engineered perfectly for the traffic's centrifugal forces due to the curvature of the roadway.
11/07 – 12/08	**Center Street Bridge over the Union Pacific Railroad; Gilson Engineering, Vineyard, UT:** As Structural Engineer, Eric was responsible for the design and detailing of a 157-foot single span, four lane bridge over the Union Pacific railroad. The bridge design included seismic analysis and design details including integral abutments since the bridge is located in a seismic region.
02/04 – 12/08	**C-43 West Basin Storage Reservoir; Local Access Bridge; South Florida Water Management District Hendry County, FL:** Functioning as Structural Engineer, Eric was responsible for the design and detailing of a three span 193'-0" long concrete girder bridge over a canal. In addition to design for normal highway loading, the bridge was also checked for client specific crane loading.
01/90 – 04/08	**Golden Gate Parkway Grade Separated Overpass; Collier County, FL:** Eric served as the Structural Engineer responsible for the design and detailing of continuous steel box girders of a three span 517'-0' foot long bridge over an existing multi-lane roadway. The bridge carries six lanes of traffic over a Single Point Urban Interchange. Also provided post-design services during the fabrication and erection phases of the girders.

Firm Employed By: Stanley Consultants, Inc.			
Name:	Jesse Tisdale, PE	**Years of relevant experience with this employer:**	6
Title:	Senior Transportation Engineer	**Years of relevant experience with other employer(s):**	6
Degree(s) / Years / Specialization:		BS / 2012 / Civil Engineering	
Active Registration Number / State / Expiration Date:		PE 40972 / LA / 3/31/2027	
Year Registered:	2016	**Discipline**:	Civil Engineering

Contract Role(s) / Brief Description of Responsibilities:

CONTRACT ROLE: Road Design

RESPONSIBILITIES: Jesse will be responsible for leading the roadway design requirements for this project.

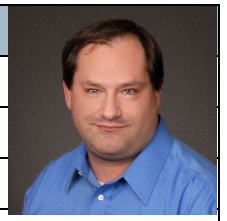
PROFESSIONAL PROFILE: Jesse has been responsible for the design and/or project management of roadway projects such as: off-system bridge projects, roadway reconstruction, intersection safety projects, turn lane additions, corridor safety projects, and roundabout projects throughout Louisiana. He has completed 14 projects for DOTD. Jesse is proficient in both design and management and is capable of fulfilling both roles simultaneously as projects warrant. His design expertise is with roadway/highway design, drainage, environmental permitting, construction sequencing, earthworks and estimating. Jesse has his TCT and TCS certifications.

Jesse will rely on his knowledge of DOTD Roadway Design requirements to meet the project needs of this off system bridge project.

Meets MPRs No. 1 & 2

Experience Dates (mm/yy–mm/yy)	**Experience and qualifications relevant to the proposed contract, *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).**
11/24 – Present	**H.015545 Stoney Point Burch Bridge Over Drainage Bayou, DOTD, East Baton Rouge Parish, LA:** Road Design Lead on this project which consists of replacing the existing bridge using the LADOTD standard bridge details. The project also included minor improvements to the shoulders and approach roadway to tie the new bridge to the existing roadway. The new bridge carries two 11ft lanes (one lane in each direction) of Stoney Point Burch, two 3ft shoulders, and two standard 32" barrier railings. The new bridge consists of a 6-span cast-in-place flat slab superstructure founded on concrete pile caps and 16" prestressed concrete piles. The project included the load rating of the bridge and did not involve any utility coordination.
11/24 – Present	**H.015550 Pride-Baywood Rd Over Mill Creek, DOTD, East Baton Rouge Parish, LA:** Road Design Lead on this project which consists of replacing the existing bridge using the LADOTD standard bridge details. The project also included minor improvements to the shoulders and approach roadway to tie the new bridge to the existing roadway. The new bridge carries two 11ft lanes (one lane in each direction) of Pride-Baywood Rd, two 3ft shoulders, and two standard 32" barrier railings. The new bridge is skewed to accommodate the direction of Mill Creek and consists of a 5-span cast-in-place flat slab superstructure founded on concrete pile caps and 16" prestressed concrete piles. The project included the load rating of the bridge and did not involve any utility coordination.
12/17 – 03/23	**H.011137 I-12 LA 21 to US 190, DOTD, St. Tammany Parish, LA:** Serving as PM, Jesse was responsible for assisting and overseeing the horizontal and vertical alignment design, drainage design, and sequence of construction with minimum temporary traffic control layout and striping according to DOTD specifications, standards and design criteria. His additional responsibilities include standard PM duties including coordination, QC of plans and design, project coordination and scheduling. Design tools used for this project included MicroStation, InRoads, CADConform, Bentley InRoads, DOTD HydrWIN and Microsoft Project.

Firm Employed By: Stanley Consultants, Inc.	
11/18 – 04/22	**H.010960 LA 30 Roundabouts at Tanger & I-10, Ascension Parish, LA; DOTD:** PM/Lead Design Engineer responsible for providing oversight for all necessary engineering and related services required for the design of four multi-lane roundabouts along LA 30 at the heavily traversed commercial interchange at I-10 in Gonzales, LA. Mr. Tisdale also provided QA of typical sections, pedestrian and bicycle design, roadway geometrics, roundabout geometrics, drainage design, and driveway details for this project.
11/23 – Present	**H.012633 LA 1088 Forest Brook Blvd Roundabout, DOTD, St. Tammany Parish, LA:** As the QA/QC controller on this IDIQ Jesse is responsible for the quality and completeness of the design and construction plans. Additionally, he is assisting in managing the project as the overall IDIQ PM, while others manage the individual projects.
08/24 – Present	**H.015569.5 LA 44: I-10 Roundabouts, DOTD, Ascension Parish, LA:** Project Manager responsible for providing oversight for all necessary engineering and related services required for the design of three multi-lane roundabouts along the LA 44 corridor at the heavily traversed I-10 interchanges in Gonzales, LA.
01/23 – Present	**H.005734.5 LA 447 Roundabouts, DOTD, Livingston Parish, LA:** Working as a subconsultant, Jesse served as the Stanley Consultants project manager responsible for overall project oversight, adherence to scope of work, budget, and schedule requirements, as well as QC/QA activities.
05/24 – Present	**H.014041 Inter. Imp. on LA 92 @ LA 733 & Gallet Rd., DOTD, Lafayette Parish, LA:** QAQC lead engineer responsible for reviewing work products for technical adequacy and completeness, verifying preparation and checking procedures have been followed, reviewing Quality Control Checklists as a discipline approver at each designated quality "checkpoint", and reviewing design criteria documents for compliance with LA DOTD and AASHTO standards. Also responsible for providing design guidance to the project team as a subject matter expert.
04/23 – Present	**H.013941 LA 724: Roundabout at Landry Rd, DOTD, Lafayette Parish, LA:** As the QA/QC controller on this IDIQ Jesse is responsible for the quality and completeness of the design and construction plans. Additionally, he is the PM for this project providing overall project oversight, budget controls, and coordination with LADOTD.
04/17 – 11/22	**H.011909 US 171 at Boone St. Roundabout, Vernon Parish, LA; DOTD:** Serving as PM, Jesse was responsible for assisting design of a three-legged multi-lane roundabout and multiple intersection improvements along US 171. Tasks also include, budgeting, project cost estimation, utility coordination, and QA for the design and construction plans. This project involves engineering and related services to develop construction plans for a multi-lane (Hybrid) roundabout at the intersection of US 171 and Boone Street to allow for improvements to safety and efficiency, while utilizing best access management practices along the corridor.
01/23 – Present	**H.015052 I-20: Widening/Ovrly (Vancil Rd-LA 34), DOTD, Ouachita Parish, LA:** Project Manager responsible for adherence to scope of work, budget, and schedule requirements. Additional responsibilities include QC/QA and subconsultant coordination.
10/13 – 04/15	**US 11 @ Cleo Road Roundabout, DOTD, St. Tammany Parish, LA:** Lead Designer responsible for the design and plan development of a single lane roundabout at US 11 and Cleo Rd. This roundabout design included special design details for the WB-67 design vehicle due to two distribution warehouses located on Cleo Rd. This project additionally involved the design of a 4th leg that is to be built at a later date when private development north of the roundabout is complete.
02/21 – 03/23	**Lee Drive Widening; East Baton Rouge Parish, LA; MOVEBR:** Serving as Stanley Consultants' PM and Lead Designer. Stanley Consultants is a subconsultant on this project responsible for all road design between Highland Road and the Bayou Duplantier Bridge. Jesse is responsible for the oversight of all roadway design for the portion of the project that has been assigned to Stanley Consultants. This project involves developing the limited Lee Drive corridor into a widened footprint with a divided roadway, bike lanes, and pedestrian facilities.
9/19 – 03/23	**Stone Road to Powell Drive Extension, St. Tammany Parish, LA:** PM for engineering design services for a new greenfield connector roadway between Ben Thomas Road and Powell Drive as well as widening and drainage improvements to an existing section of Powell Drive. The purpose of this project is to accommodate industrial traffic accessing and egressing Interstate 12 to the north by providing improved system linkage with a new north-south connector roadway and improving an existing roadway within the project limits.



Firm Employed By: Stanley Consultants, Inc.			
Name:	Luis Santana, PE	**Years of relevant experience with this employer:**	19
Title:	Senior Structural Engineer	**Years of relevant experience with other employer(s):**	0
Degree(s) / Years / Specialization:		BS / 2008 / Civil Engineering	
Active Registration Number / State / Expiration Date:		PE 42265 / LA / 03/31/2026	
Year Registered:	2017	**Discipline:**	Civil Engineering

Contract Role(s) / Brief Description of Responsibilities:

CONTRACT ROLE: Bridge Design

RESPONSIBILITIES: Structural Design Lead

PROFESSIONAL PROFILE: Luis's engineering experience includes designing and managing the necessary structural work for bridges, levees and walls along the Gulf Coast. His expertise includes off-system bridge design projects for LA DOTD, structural inspections (above and underwater), bridge load ratings, shoring plans, dewatering, site demolition planning, and LEED experience. He has designed bridges, foundations, retaining walls and many other ancillary structural elements. His structural background includes concrete, steel, wood, masonry, sheet piles, pile foundations design of bridges and hydraulic and non-hydraulic structures. His software experience includes Microsoft programs, MathCad, STAAD Pro, CPGA/ CPGC/ CPGG from USACE, Cwalshet, MicroStation, and AutoCAD.

Luis will use his two decades of structural experience to lead the structures tasks.

Luis meets MPR No. 3.

Experience Dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
11/24 – Present	**H.015545 Stoney Point Burch Bridge Over Drainage Bayou, DOTD, East Baton Rouge Parish, LA:** Structural Engineer responsible for the design and plan development for bridge replacement. The project consists of replacing the existing bridge using the LADOTD standard bridge details. The project also included minor improvements to the shoulders and approach roadway to tie the new bridge to the existing roadway. The new bridge carries two 11ft lanes (one lane in each direction) of Stoney Point Burch, two 3ft shoulders, and two standard 32" barrier railings. The new bridge consists of a 6-span cast-in-place flat slab superstructure founded on concrete pile caps and 16" prestressed concrete piles. The project included the load rating of the bridge and did not involve any utility coordination.
11/24 – Present	**H.015550 Pride-Baywood Rd Over Mill Creek, DOTD, East Baton Rouge Parish, LA:** Structural Engineer responsible for the design and plan development for bridge replacement. The project consists of replacing the existing bridge using the LADOTD standard bridge details. The project also included minor improvements to the shoulders and approach roadway to tie the new bridge to the existing roadway. The new bridge carries two 11ft lanes (one lane in each direction) of Pride-Baywood Road, two 3ft shoulders, and two standard 32" barrier railings. The new bridge is skewed to accommodate the direction of Mill Creek and consists of a 5-span cast-in-place flat slab superstructure founded on concrete pile caps and 16" prestressed concrete piles. The project included the load rating of the bridge and did not involve any utility coordination.
01/17 – 09/20	**Bootlegger Rd – Bridge Replacement and Road Mill and Overlay, St. Tammany Parish Government, St. Tammany Parish, LA:** Structural Engineer responsible for the design and plan productions for the bridge replacement of the existing timber bridge. The new bridge consisted of a three span 70ft long continuous concrete flat slab superstructure founded on concrete piles and pile caps. The new bridge footprint was widened to accommodate two 12-ft lanes with 4-ft shoulders and a 12-ft shared-use path. The new bridge was lengthened to match new H&H requirements and to allow for new piles to be driven to clear the existing piles.

Firm Employed By: Stanley Consultants, Inc.	
05/19 – 07/20	**H.013817 LA 117 Between LA 8 and LA 118 Bridge Study, Vernon Parish, LA:** Structural Engineer responsible for the structural inspection, assessment, and development of conceptual plans of five bridges along the LA 118 corridor. As part of the project, the existing bridges were evaluated for either widening or replacement to accommodate the proposed roadway improvements. The existing bridges consisted of two timber bridges and three concrete flat slab bridges. The bridges ranged in span numbers from two spans to ten spans with a typical span length of 20-ft. Each bridge has two alternatives to match the roadway improvements. The timbers bridges were recommended for replacement with concrete flat slab bridge founded on new concrete piles. The existing concrete bridges were recommended for widening for most alternatives. One of the concrete bridges were recommended for replacement by box culvert due to an extreme vertical profile change.
09/19 – 04/22	**H.013866 I-12, LA 21 to US 190 Widening Design, LADOTD, St. Tammany Parish, LA:** Structural Engineer responsible for the design of roadway median concrete barrier walls along the I-12 corridor. The project included the design of 36", 48", and 54" barriers walls. The design analyzed the stability of the barrier walls for vehicle impacts and traffic live loads and then developed the reinforced concrete design for each of the barrier types. The project also included an analysis of the Tchefuncte River Bridge piling for boat impact.
01/23 – Present	**H.015052 I-20: Widening/Ovrly (Vancil Rd-LA 34), DOTD, Ouachita Parish, LA:** Structural Engineer/Task Lead responsible for the design and plan development of roadside median barriers and overhead sign structures to accommodate design widening throughout the I-20 corridor. The median barrier walls consist of both single and double-faced concrete barrier walls used for grade separated roadways. The barrier walls will also include several sections used to transition between the single to double-faced sections. The overhead sign structures will utilize standard truss arms with modified uprights for either mounted onto the median barriers/foundation or to have independent foundations. The design will utilize requirements as indicated in the LADOTD Bridge Manual and AASHTO guidelines.
01/20 – 9/20	**Runway 13/31 Threshold Recovery, Baton Rouge Metropolitan Airport, Baton Rouge, LA:** Structural Engineer. Stanley Consultants provided engineering design and construction administrative services for the Runway 13/31 Safety Area Improvements and Threshold Recovery. Stanley Consultants provided engineering design and construction administrative services for the Runway 13/31 Safety Area Improvements and Threshold Recovery.
05/13 – 01/16	**US 41 Design-Build Pursuit, Florida Department of Transportation, District 1, FL:** Structural Engineer responsible for the design of a bridge over Henderson Creek (aquatic reserve/ outstanding Florida water), three bridge culverts and approximately ¾ of a mile of special design sound barrier walls. The bridge was designed as a flat slab continuous three span structure. The culvert bridges were designed as cast-in-place type structures. The sound barrier walls were designed to have a special bottom panel acting as a retaining wall. Stanley Consultants engineers prepared the drainage design and utilities improvements and relocation design for this 3.5-mile-long project.
11/09 – 04/16	**Bridge Load Rating, Puerto Rico Department of Transportation and Public Works, PR:** Structural Engineer responsible for the structural investigation and load rating of over 700 bridges throughout Puerto Rico. The investigation included the verification of structural components which include bridge length and width, barrier and beam sizes and scour conditions at and near the bridge. Additional responsibly included analysis and creating bridge load rating reports for all bridges. The load ratings were performed on both superstructures and substructures. The project performed load ratings of prestressed beam, reinforced concrete beam, flat slab, concrete and brick arches, steel girder, and reinforced concrete culvert structures. The project included field data collection, an environmental study, and inspection of bridges for scour signs. Field measurements were logged for load rating purposes and creating reports for all bridges. The project team utilized several different types of load rating program including FDOT Beam Program, AASHTOBridgeware, MDX, and Leap Bridge.

Firm Employed By: Stanley Consultants, Inc.			
Name:	Joel McCarty, PE, CFM	**Years of relevant experience with this employer:**	19
Title:	Senior Water Resources Engineer	**Years of relevant experience with other employer(s):**	10
Degree(s) / Years / Specialization:		BS / 1996 / Civil Engineering; Certified Floodplain Manager / 10-05103	
Active Registration Number / State / Expiration Date:		PE 36657 / AZ / 09/30/2025	
Year Registered:	2001 / 2010	**Discipline:**	Civil Engineering / Certified Floodplain Manager
Contract Role(s) / Brief Description of Responsibilities:			**CONTRACT ROLE:** Lead Water Resources Engineer **RESPONSIBILITIES:** Joel will lead the hydraulics design for the replacement structure for this bridge. **PROFESSIONAL PROFILE:** Joel's experience since 1996 includes more than 16 years of professional engineering experience in hydrology and civil engineering design for both public works and private land development projects. His responsibilities have included hydrologic and hydraulic analysis; design of channels, storm drains, and detention basins; and utility relocation, quantity calculations, preparation of final plans, specifications and cost estimates. He is accomplished in the application of FLO-2D, ArcGIS, StormCAD, HEC-1, HEC-RAS, Inroads, and MicroStation in the development of drainage master plans and design of flood control facilities. His experience also includes preparation of U.S. Army Corps of Engineers 404 delineation reports for private sector developments and storm water master plans for master planned residential communities.

Experience Dates (mm/yy–mm/yy)	**Experience and qualifications relevant to the proposed contract, *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).**
08/20 – 04/21	**Bridge Bundle Preliminary and Preconstruction, CDOT (Colorado Department of Transportation), Colorado Springs, CO:** Lead Water Resources Engineer on this project which consisted of a $2M project and to assist CDOT in preparing preliminary environmental permitting, design and procurement for 19 bridges in rural areas. The client obtained a federal grant for these structures by bundling the project into a single Design-Build project. Stanley provided environmental services, hydraulic design, traffic and roadway design, survey, geotechnical investigation and structural design for the project. After completing all technical design services, our team assisted CDOT in development of the Design-build procurement documents, cost estimates and schedules.
05/20 – Present	**I-17 General Engineering Contract (GEC), HDR, Inc. - Headquarters, AZ:** Civil Engineer responsible for reviewing submittals from design engineer for several design packages. The design packages included on-site improvements, culverts, hydrology and hydraulic calculations, and bridge hydraulic reports.
02/15 – 12/17	**South Mountain Freeway, Connect 202L, Confidential Client, Phoenix, AZ:** Water Resources Engineer responsible for the design of both on-site and off-site urban freeway drainage systems for a proposed 7-mile section. The off-site design required the review and update of regional hydrology, design of channel conveyance systems, and regional detention basins. The on-site design included urban freeway inlet design, storm drain systems, and stormwater design options for a 3,700-foot bridge.
02/12 – 06/17	**Jane Addams Memorial Tollway (I-90) Bridge over the Fox River, Illinois State Toll Highway Authority, Elgin, IL:** Water Resources Engineer who assisted in analysis of on-site storm water systems for proposed bridge along I-90. The systems included catch basins and storm drains and on-site retention ponds.

Firm Employed By: Stanley Consultants, Inc.			
Name:	Rebeca Robles Vega, EI	**Years of relevant experience with this employer:**	6
Title:	Engineer-in-Training	**Years of relevant experience with other employer(s):**	0
Degree(s) / Years / Specialization:		BS / 2018 / Engineering	
Active Registration Number / State / Expiration Date:		EI 13824 / AZ / N/A	
Year Registered:	2024	**Discipline:**	Civil Engineering
Contract Role(s) / Brief Description of Responsibilities:		**CONTRACT ROLE:** Water Resources EI **RESPONSIBILITIES:** Rebeca will assist with the hydraulics design for the replacement structure for this bridge. **PROFESSIONAL PROFILE:** Rebeca has experience as a Water Resources Specialist since 2019, including urban freeway, rural highway, and municipal drainage design projects. Rebeca's work experience includes hydrologic and hydraulic analysis for designing storm drains, detention basins, culverts, and preparation of quantity and cost estimates along with final plans.	

Experience Dates (mm/yy–mm/yy)	**Experience and qualifications relevant to the proposed contract, *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).**
07/20 – Present	**SR 101 Loop, General Purpose Lanes, 75th Avenue to I-17, Arizona Department of Transportation, Phoenix, AZ:** Drainage EI responsible for assisting with proposed on-site drainage design. Performed inlet spread calculations on FlowMaster for the approach and anchor slabs upstream of the bridge.
08/20 – 04/21	**Bridge Bundle Preliminary and Preconstruction, CDOT (Colorado Department of Transportation), Colorado Springs, CO:** Drainage Designer responsible for the design of drainage improvements and preparation of documents for the structure J-15-G of the Colorado Bridge Bundle. This entailed the analysis of off-site hydrology and culvert hydraulics along with a drainage write-up. The drainage design included two proposed 2-D models generated on SRH-2D and two proposed culvert designs created on HY-8. The proposed drainage improvements were submitted as part of a preliminary hydraulics report.
09/21 – 12/22	**SR 101L, 75 Avenue to I-17 GP Lanes; Final Design, Arizona Department of Transportation, Phoenix, AZ:** Drainage EI responsible for on-site drainage improvements according to the proposed roadway lane addition on SR101L. Rebeca analyzed on-site hydraulics for the 59th Ave TI portion of the project and prepared the drainage design that included modeling proposed drainage systems to fit the existing conditions in OpenRoads Designer along with a StormCAD model to determine storm drain sizing and catch basin spread. The proposed designs improvements were submitted on plan and profile sheets, along with a draft of a drainage report and an estimate of all drainage item costs.
07/20 – 06/21	**Corridor Study, Camelback Road, SR 303 to Litchfield, City of Goodyear, Goodyear, AZ:** Drainage EI responsible for the design of drainage improvements according to the proposed roadway lane addition on Camelback Road. This entailed the analysis of on-site and off-site hydraulics for the project and a preliminary drainage write-up. The drainage design included the delineation of watersheds for catch basins, the determination of a discharge with the Rational Method using FlowMaster, and volume calculations for runoff storage basins. The proposed design improvements were submitted as part of a roll plot and a preliminary drainage report.

Firm Employed By: Stanley Consultants, Inc.			
Name:	Addison Kennedy, EI	**Years of relevant experience with this employer:**	2
Title:	Engineer Intern	**Years of relevant experience with other employer(s):**	3
Degree(s) / Years / Specialization:		BS / 2019 / Civil Engineering	
Active Registration Number / State / Expiration Date:		EI 1100024201 / FL / n/a	
Year Registered:	n/a	**Discipline:**	n/a
Contract Role(s) / Brief Description of Responsibilities:		**CONTRACT ROLE:** Bridge Design **RESPONSIBILITIES:** Assist design team with structural design support. **PROFESSIONAL PROFILE:** Addison's professional experience includes structural analysis and design, stormwater and project management, and a host of design software skills. Her areas of expertise include project management, structural analysis and design, and interagency coordination. She is proficient in the use of AutoCAD, MicroStation, Mathworks MATLAB, Microsoft Office Suite and Adobe.	

Experience Dates (mm/yy–mm/yy)	**Experience and qualifications relevant to the proposed contract, *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).**
01/23 – Present	**H.015052 I-20: Widening/Ovrly (Vancil Rd-LA 34), LADOTD, Ouachita Parish, LA:** Engineer Intern assisting with preparation of design alternatives for both eastbound and westbound lane median barrier walls.
06/23 – Present	**Structural Design, Iowa Department of Transportation, Central, Ames, IA:** Engineer Intern assisting with drafting design packages for several bridge deck overlay rehabilitation projects throughout Iowa.
02/23 – Present	**County Road 880; Sam Senter Road over SFWMD Ocean Canal, Palm Beach County Engineering and Public Works, Palm Beach County, FL:** Engineer Intern assisting with design of two bridge spans, consisting of Florida slab beams. Stanley Consultants was selected for this ongoing project to improve the existing geometry of the CR 880 (east-west) / Sam Senter Rd (north-south) t-intersection located in PBC and replace/widen the bridge structure at the north leg which spans the SFWMD Ocean Canal. Stanley Consultants provided engineering and design services for the improvement of the existing geometry of the CR 880 (east-west) / Sam Senter Rd (north-south) t-intersection located in PBC and replace/widen the bridge structure at the north leg which spans the SFWMD Ocean Canal. Realignment of CR 880 at the t-intersection will be required to improve the turning radii for semi-tractor trailer truck traffic. Soil stabilization method of rigid inclusions will be incorporated into the re-aligned CR 880 design to counter area muck conditions.
02/23 – Present	**S-5A Construction Management, South Florida Water Management District, West Palm Beach, FL:** Engineer Intern assisting with structural calculations, plans, specifications, and basis of design report sections for incorporation into the bid package.

Firm Employed By: Stanley Consultants, Inc.			
Name:	Scott Smythe, CD	**Years of relevant experience with this employer:**	17
Title:	Senior Designer	**Years of relevant experience with other employer(s):**	16
Degree(s) / Years / Specialization:		N/A	
Active Registration Number / State / Expiration Date:		Certified Drafter-Civil 190024021 / USA / 05/31/2027	
Year Registered:	2009 **Discipline:**	Civil	

Contract Role(s) / Brief Description of Responsibilities:

CONTRACT ROLE: Bridge Design

RESPONSIBILITIES: Lead Graphics Technician assisting the design team with the structural design plan development support.

Scott will rely on his previous experience putting together Off System Bridge Replacement plan sets for LA DOTD to help deliver this project.

PROFESSIONAL PROFILE: As a senior CADD designer, Scott helps prepare roadway and utility corridor drawings, structural plans and details, graphics for bridge evaluation reports, electrical diagrams and schedules, 3D structural and civil modeling. He assists structural engineers with calculations and to prepare exhibit plans. He has assisted engineers as well as supervised personnel with field studies. Scott's early experience included preparing plan documents for custom homes, design and drafting of single-family homes, drafting of structural plans and details and coordination with consulting engineers for structural reviews.

Experience Dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
11/24 – Present	**H.015545 Stoney Point Burch Bridge Over Drainage Bayou, DOTD, East Baton Rouge Parish, LA:** Lead Graphics Technician responsible for the plan development for this off-system bridge replacement project. The project consists of replacing the existing bridge using the LADOTD standard bridge details. The project also included minor improvements to the shoulders and approach roadway to tie the new bridge to the existing roadway. The new bridge carries two 11ft lanes (one lane in each direction) of Stoney Point Burch, two 3ft shoulders, and two standard 32" barrier railings. The new bridge consists of a 6-span cast-in-place flat slab superstructure founded on concrete pile caps and 16" prestressed concrete piles. The project included the load rating of the bridge and did not involve any utility coordination.
11/24 – Present	**H.015550 Pride-Baywood Rd Over Mill Creek, DOTD, East Baton Rouge Parish, LA:** Lead Graphics Technician responsible for the plan development for this off-system bridge replacement project. The project consists of replacing the existing bridge using the LADOTD standard bridge details. The project also included minor improvements to the shoulders and approach roadway to tie the new bridge to the existing roadway. The new bridge carries two 11ft lanes (one lane in each direction) of Pride-Baywood Rd, two 3ft shoulders, and two standard 32" barrier railings. The new bridge is skewed to accommodate the direction of Mill Creek and consists of a 5-span cast-in-place flat slab superstructure founded on concrete pile caps and 16" prestressed concrete piles. The project included the load rating of the bridge and did not involve any utility coordination.
01/17 – 09/20	**Bootlegger Rd – Bridge Replacement and Road Mill and Overlay, St. Tammany Parish Government, St. Tammany Parish, LA:** Lead Graphics Technician responsible for preparation of structural plan documents for the Bootlegger Road Bridge, using MicroStation V8i (LaDOTD with CADConform). The new bridge consisted of a three span 70ft long continuous concrete flat slab superstructure founded on concrete piles and pile caps. The new bridge footprint was widened to accommodate two 12-ft lanes with 4-ft shoulders and a 12-ft shared-use path. The new bridge was lengthened to match new H&H requirements and to allow for new piles to be driven to clear the existing piles.

Firm Employed By: Stanley Consultants, Inc.	
05/19 – 07/20	**H.013817 LA 117 Between LA 8 and LA 118 Bridge Study, Vernon Parish, LA:** Lead Graphics Technician responsible for the development of conceptual plans of five bridges along the LA 118 corridor. As part of the project, the existing bridges were evaluated for either widening or replacement to accommodate the proposed roadway improvements. The existing bridges consisted of two timber bridges and three concrete flat slab bridges. The bridges ranged in span numbers from two spans to ten spans with a typical span length of 20-ft. Each bridge has two alternatives to match the roadway improvements. The timbers bridges were recommended for replacement with concrete flat slab bridge founded on new concrete piles. The existing concrete bridges were recommended for widening for most alternatives. One of the concrete bridges was recommended for replacement by box culvert due to an extreme vertical profile change.
09/19 – 04/22	**H.013866 I-12, LA 21 to US 190 Widening Design, LADOTD, St. Tammany Parish, LA:** Graphics Technician responsible for assisting with the preparation of plan documents using MicroStation V8i (SS4). The project included the design of 36”, 48”, and 54” barriers walls. The design analyzed the stability of the barrier walls for vehicle impacts and traffic live loads and then developed the reinforced concrete design for each of the barrier types. The project also included an analysis of the Tchefuncte River Bridge piling for boat impact.

Firm Employed By: Stanley Consultants, Inc.			
Name:	Kayla Lafitteau, EI	**Years of relevant experience with this employer:**	6
Title:	Engineer Intern	**Years of relevant experience with other employer(s):**	1
Degree(s) / Years / Specialization:		BS / 2019 / Civil Engineering	
Active Registration Number / State / Expiration Date:		EI 34158 / LA / 03/31/2026	
Year Registered:	2019	**Discipline:**	Civil Engineering
Contract Role(s) / Brief Description of Responsibilities:		**CONTRACT ROLE:** Roadway Design **RESPONSIBILITIES:** Assist design team with roadway plan development. **PROFESSIONAL PROFILE:** Kayla has professional experience since 2019. She has worked on DOTD and City of New Orleans projects with the oversight of several professional engineers. Kayla has been responsible for detour signing, permanent pavement markings, geometric layout, and guard rail design. She prepares quantity calculations, cost estimates, and is proficient in MicroStation and AutoCAD. Kayla is often responsible for detailed corrections and adjustments to plan sets to ensure they are compliant with DOTD specifications and standards. Kayla has her TCT, TCS, and Flagger certifications.	

Kayla has 6 years of experience on DOTD projects.

Experience Dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
11/24 – Present	**H.015545 Stoney Point Burch Bridge Over Drainage Bayou, DOTD, East Baton Rouge Parish, LA:** Engineer Intern responsible for creating and annotating the TBM sheet. Also assisted in the creation of the guard rail detail and plan and profile sheets.
09/19 – 04/22	**H.013866 I-12, LA 21 to US 190 Widening Design, LADOTD, St. Tammany Parish, LA:** Engineer Intern responsible for assisting with drafting of typical section sheets, pavement marking sheets, and plan/profile sheets. Responsible for assisting with quantity calculations, guard rail design, and developing a cost estimate.
11/23 – Present	**H.012633 LA 1088 Forest Brook Blvd Roundabout; DOTD, St. Tammany Parish, LA:** Engineer Intern responsible for quantity calculations and creating geometric layout sheets.
11/18 – 02/20	**H.013191 LA 1: Iberville P/L - Port Allen Canal B, DOTD, West Baton Rouge Parish, LA:** Engineer Intern responsible for assisting with topographic field work. Assisted with quantity calculations, guard rail design, and additional detail sheets. Also assisted with developing the cost estimate and summary sheets.
09/18 – 01/21	**H.012964 US 61: Bluebonnet Blvd to S. End US 190, DOTD, East Baton Rouge Parish, LA:** Engineer Intern responsible for addressing comments and reviewing cost estimate and quantities.
05/19 – 03/22	**H.011781 LA 675 & LA 87 Improvements, DOTD, Iberia Parish, LA:** Engineer Intern responsible for assisting with drafting of plan/profile sheets, drainage plan/profile sheets, geometric layout sheets, sequence of construction sheets, and pavement marking sheets. Responsible for existing drainage maps, design drainage maps, and summary of drainage structures tables. Also assisted with quantity calculations and cost estimates.

Firm Employed By: LandSource, Inc.					
Name:	David L. Patterson, PLS		**Years of relevant experience with this employer:**	29	
Title:	President		**Years of relevant experience with other employer(s):**	10	
Degree(s) / Years / Specialization:			BS / 1985 / Construction Technology		
Active Registration Number / State / Expiration Date:			04784 / LA / 03/31/2027		
Year Registered:	1996	**Discipline:**	Professional Land Surveyor		
Contract Role(s) / Brief Description of Responsibilities:			**CONTRACT ROLE:** Principal-in-Charge/Project Manager/Land Surveyor – Mr. Patterson has and will serve as Principal-in-Charge, Project Manager and Land Surveyor on the projects listed below and the advertised project. He will oversee all project activities. David meets MPR No. 4.		

Experience Dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
2021	**S.P. No. H.014318 Site 1, Off-System Highway Bridge Program, East Baton Rouge Parish:** Responsibilities included topographic survey to replace one bridge.
2021	**S.P. No. H.014318 Site 2, Off-System Highway Bridge Program, Rapides Parish:** Responsibilities included topographic survey to replace two bridges.
2020	**S.P. No. H.014223, Off-System Highway Bridge Program, Vermillion Parish:** Responsibilities included topographic survey to replace one bridge.
2020	**S.P. No. H.014261, Off-System Highway Bridge Program, Rapides Parish:** Responsibilities included topographic survey to replace two bridges.
2014	**S.P. No. H.010626.5, Off-System Highway Bridge Program, Jefferson Parish:** Responsibilities included topographic survey to replace one bridge.
2013	**S.P. No. H.010597.5, Off-System Highway Bridge Program, West Feliciana Parish:** Responsibilities included topographic survey to replace two bridges.
2013	**S.P. No. H.010061.5 & H.010062.5, Off-System Highway Bridge Program, Tangipahoa Parish:** Responsibilities included topographic survey to replace four bridges.

Firm Employed By: LandSource, Inc.					
Name:	Scott L. Patterson, PLS		**Years of relevant experience with this employer:**	12	
Title:	Project Manager		**Years of relevant experience with other employer(s):**	3	
Degree(s) / Years / Specialization:			BS / 2017 / Construction Management		
Active Registration Number / State / Expiration Date:			05246 / LA / 09/30/2025		
Year Registered:	2021	**Discipline:**	Professional Land Surveyor		
Contract Role(s) / Brief Description of Responsibilities:			**CONTRACT ROLE:** Project Manager. Scott meets MPR No. 4.		

Experience Dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
2021	**S.P. No. H.014318 Site 1, Off-System Highway Bridge Program, East Baton Rouge Parish:** Responsibilities included topographic survey to replace one bridge.
2021	**S.P. No. H.014318 Site 2, Off-System Highway Bridge Program, Rapides Parish:** Responsibilities included topographic survey to replace two bridges.
2020	**S.P. No. H.014223, Off-System Highway Bridge Program, Vermillion Parish:** Responsibilities included topographic survey to replace one bridge.
2020	**S.P. No. H.014261, Off-System Highway Bridge Program, Rapides Parish:** Responsibilities included topographic survey to replace two bridges.
2014	**S.P. No. H.010626.5, Off-System Highway Bridge Program, Jefferson Parish:** Responsibilities included topographic survey to replace one bridge.
2013	**S.P. No. H.010597.5, Off-System Highway Bridge Program, West Feliciana Parish:** Responsibilities included topographic survey to replace two bridges.
2013	**S.P. No. H.010061.5 & H.010062.5, Off-System Highway Bridge Program, Tangipahoa Parish:** Responsibilities included topographic survey to replace four bridges.

Firm Employed By: LandSource, Inc.			
Name:	Michael C. Pitre, CST	**Years of relevant experience with this employer:**	24
Title:	Field Coordinator	**Years of relevant experience with other employer(s):**	5
Degree(s) / Years / Specialization:		AA / 1990 / Civil Engineering Technology	
Active Registration Number / State / Expiration Date:		CST Level III Certified, LA License #1003-1863 / LA / 06/30/2026	
Year Registered:	2009	**Discipline:**	Survey Coordinator
Contract Role(s) / Brief Description of Responsibilities:		**CONTRACT ROLE:** Survey Coordinator – Mr. Pitre has and will serve as the Survey Coordinator on the projects listed below and the advertised project. He will coordinate survey crews and CADD personnel.	

Experience Dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
2021	**S.P. No. H.014318 Site 1, Off-System Highway Bridge Program, East Baton Rouge Parish:** Responsibilities included topographic survey to replace one bridge.
2021	**S.P. No. H.014318 Site 2, Off-System Highway Bridge Program, Rapides Parish:** Responsibilities included topographic survey to replace two bridges.
2020	**S.P. No. H.014223, Off-System Highway Bridge Program, Vermillion Parish:** Responsibilities included topographic survey to replace one bridge.
2020	**S.P. No. H.014261, Off-System Highway Bridge Program, Rapides Parish:** Responsibilities included topographic survey to replace two bridges.
2014	**S.P. No. H.010626.5, Off-System Highway Bridge Program, Jefferson Parish:** Responsibilities included topographic survey to replace one bridge.
2013	**S.P. No. H.010597.5, Off-System Highway Bridge Program, West Feliciana Parish:** Responsibilities included topographic survey to replace two bridges.
2013	**S.P. No. H.010061.5 & H.010062.5, Off-System Highway Bridge Program, Tangipahoa Parish:** Responsibilities included topographic survey to replace four bridges.

Firm Employed By: ELOS Environmental, LLC			
Name:	Lucas Watkins	**Years of relevant experience with this employer:**	18
Title:	Principal/Environmental Scientist	**Years of relevant experience with other employer(s):**	4
Degree(s) / Years / Specialization:		MS / 2005 / Biological Sciences BS / 2000 / Forest Management	
Active Registration Number / State / Expiration Date:		N/A	
Year Registered:	N/A	**Discipline:**	N/A
Contract Role(s) / Brief Description of Responsibilities:		**CONTRACT ROLE:** Principal, Project Oversight, NEPA Clearance, Agency Coordination, Stakeholder Outreach, and Public Meetings. Lucas meets MPR No. 5.	

Experience Dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
09/20 – Present	**LADOTD Rural Bridges, Phases I & II; Statewide, LA:** ELOS has been contracted to provide environmental services for the LADOTD Rural Bridge Replacement Initiative projects in six districts across the state. Mr. Watkins ensures that all phases of the project adhere to federal and state environmental regulations. He facilitates effective communication among DOTD officials, environmental organizations, and other stakeholders to address concerns and maintain transparency throughout the project.
09/20 – Present	**DOTD IIJA Off-System Bridges District 62:** This off-system bridge project involves the replacement of six bridges; ELOS is performing wetland delineations, completing permit applications, completing solicitation of views to document categorical exclusions for the work proposed, completing cultural resources research, tribal packets, reports and write navigability determination reports. Mr. Watkins has reviewed the findings reports prior to client submission.
10/23 – Present	**EBR Off-System Bridge Program; East Baton Rouge Parish, LA:** ELOS is contracted to prepare and submit permit applications to the U.S. Army Corps of Engineers (USACE) to include completing permit application packet, documenting the rationale for the project, providing the summary of project and detailed verbal description of the project location. ELOS is also responsible for generating one site plan for each project and coordinating with USACE for a permit under Section 10/404 of the Clean Water Act. Mr. Watkins the permit application throughout the entire process to ensure success of the permit process.
08/22 – 08/24	**LADOTD Rousseau Bridge Replacement; St. Tammany Parish, LA:** ELOS was contracted to provide professional environmental for the Rousseau Bridge Replacement Project located on approximately 2.62 acres in St. Tammany Parish. Mr. Watkins directed the comprehensive assessment of potential environmental impacts related to transportation infrastructure projects. He ensured the accuracy, completeness, and integrity of environmental reports and documentation submitted to regulatory agencies for review and approval.
02/22 – Present	**STP Lock No. 3 Replacement; St. Tammany Parish, LA:** ELOS has been contracted to perform wetland delineation, submit joint permit applications, perform a State Historic Preservation Office (SHPO) Section 106 desktop review and Consultation, and perform a U.S. Fish and Wildlife (USFWS) Endangered Species Act (ESA) Biological assessment for the St. Tammany Parish Lock No. 3 Bridge Replacement project. Mr. Watkins ensures that all phases of each step of the project complies with all state and federal regulations.
03/24 – Present	**Brownswitch Road Bridge Replacement; St. Tammany Parish, LA:** ELOS was contracted to collect data and prepare a report to support a Wetland Delineation and manage the permit process with the USACE. ELOS will facilitate compliance with Section 106 of the National Historic Preservation Act (NHPA) of 1966 by completing a Section 106 Desktop Review. ELOS will conduct a biological survey to determine potential effects on species protected under the Endangered Species Act (ESA), Migratory Bird Treaty Act (MBTA), Bald and Golden Eagle Protection Act (BGEPA) and all other applicable law

Firm Employed By: ELOS Environmental, LLC	
	and regulations. Mr. Watkins has overseen every step of the process ensuring compliance with all regulations and transparency between all stakeholders in the project.
04/22 – Present	**Yellow Water Road Bridge Replacement; Tangipahoa Parish, LA:** ELOS has been contracted to prepare an Early Section 106 Tribal coordination packet and submit it to the DOTD Project Manager (ELOS will not directly communicate with the tribal governments). ELOS will conduct biological assessment and a review of previous Historic Reviews. Mr. Watkins will review the findings of all reviews and the permit packet prior to submission.
12/22 – Present	**Wildwood Dr. Bridge; Livingston Parish, LA:** ELOS was contracted to perform a Wetlands Delineation Assessment, a Biological Assessment, and a Cultural Resource Survey. Mr. Watkins directed the assessments and ensured the accuracy of the Cultural Resource Survey. He supervised the submission of all pertinent documentation to the appropriate agencies.
11/17 – Present	**Move Ascension, Phases I, II, & III; Ascension Parish, LA:** ELOS is contracted to plan projects, perform wetland delineations, conduct cultural resource surveys, and submit permit applications for 60 roadway projects, varying from roundabouts to constructing new lanes and connecting roadways, located throughout Ascension Parish. Mr. Watkins has reviewed delineation details, edited cultural resource reports, developed and analyzed alternatives, reviewed scheduled, assisted with wetland mitigation, and reviewed permit applications.
08/22 – Present	**H.014362 Lake Road; St. Tammany Parish, LA:** ELOS was contracted to complete the solicitation of views and categorical exclusion notices, conduct a wetland delineation, and submit a joint permit application, scenic rivers permit application, and USCG bridge permit application for the project. Mr. Watkins reviewed the categorical exclusion packet and assisted with agency coordination and requests for more information.
02/23 – Present	**DOTD Roundabout at Minnesota Park and Range Road; Tangipahoa Parish, LA:** ELOS is contracted to complete a wetland delineation report, submit a permit application, as well as assist with a CATEX, Phase I ESA, and the solicitation of views (SOVs) for the roundabout project at the intersection of Minnesota Park and Range Road. Mr. Watkins monitors the project timelines, milestones, and budgets to ensure timely delivery of environmental assessments that align with project schedules. He also reviewed the SOVs and supporting documentation prior to initiating the process with agencies.
08/22 – Present	**MoveBR Mickens Road; East Baton Rouge Parish, LA:** ELOS is contracted to provide environmental services for a 2.8-mile-long roadway improvements project on Mickens Road from Hooper Road to Joor Road in East Baton Rouge. Services included a wetland delineation, a Phase I ESA, and a permit application to USACE. Mr. Watkins has reviewed the wetland delineation report, coordinated staff for the Phase I ESA tasks, reviewed final reports, and consulted with the Parish leadership.

Firm Employed By: ELOS Environmental, LLC			
Name:	Brian Fortson	**Years of relevant experience with this employer:**	13
Title:	Senior Project Manager/Biologist	**Years of relevant experience with other employer(s):**	23
Degree(s) / Years / Specialization:		JD / 2006 / Civil Law BS / 1995 / Wetland Ecology	
Active Registration Number / State / Expiration Date:		N/A	
Year Registered:	N/A	**Discipline:**	N/A
Contract Role(s) / Brief Description of Responsibilities:		**CONTRACT ROLE:** Project Management, NEPA Clearance, Feasibility Analysis, and Agency Coordination. Brian meets MPR No. 5.	

Experience Dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
08/23 – Present	**EBR Off-System Bridge Program; East Baton Rouge Parish, LA:** Mr. Fortson has coordinated with the environmental scientists to review the wetland delineation reports and assist with USACE permit applications for 13 bridge replacements. .
09/20 – Present	**LADOTD Rural Bridges Phases I & II; Statewide, LA:** ELOS has been contracted to provide professional environmental consulting services for the Department of Transportation and Development (LADOTD) Rural Bridge Replacement Initiative for two project phases. Phase I involved bridge replacements under 16 state project numbers and supplemental task orders, impacting 33 structures in Districts 03, 07, 61, and 62. Phase 2 is ongoing and involves bridge replacements under 9 state project numbers and supplemental task orders, impacting multiple structures in Districts 05, 08, 58. Almost all the projects have included a wetland delineation, permit applications, cultural resource survey, and a T&E survey. Mr. Fortson has reviewed wetland delineation reports and categorial exclusion documentation, discussed findings and reviewed data for final reports, and met with staff internally to develop threatened and endangered species surveys.
09/22 - Present	**DOTD IIJA Off-System Bridges District 62:** This off-system bridge project involves the replacement of six bridges; ELOS is performing wetland delineations, completing permit applications, completing solicitation of views to document categorical exclusions for the work proposed, completing cultural resources research, tribal packets, reports, and writing navigability determination reports. Mr. Fortson has reviewed the findings reports prior to client submission.
10/22 – 09/23	**LADOTD Rousseau Bridge Replacement; St. Tammany Parish, LA:** ELOS was contracted to provide environmental services for the Rousseau Bridge Replacement Project located on approximately 2.62 acres in St. Tammany Parish. Services included a wetland delineation, Scenic Rivers permit application, emergency authorization application to USACE, SOVs, and a final report. Mr. Fortson assisted with the report drafts and permit applications.
05/21 – 05/22	**STP Chris Kennedy RD Bridge Replacement; St. Tammany Parish, LA:** ELOS was contracted to provide professional environmental engineering services to collect data to further prepare reports for wetland delineation, biological assessment and cultural impact in accordance with the removal and replacement plans. Mr. Fortson coordinated with internal teams to review reports, correlative maps, and environmental data to complete the approved contract.
03/22 – 12/23	**STP Lock No. 2 Bridge Replacement, St. Tammany Parish, LA:** Mr. Fortson assisted with internal teams to provide Cultural resource services for the Lock No. 2 Bridge replacement located on approximately 4.83-acres in St. Tammany Parish. ELOS was contracted to provide Section 106 of NHPA, Terrestrial Phase I Culture Resource Survey and Cultural Resource Assessment No Findings report.

Firm Employed By: ELOS Environmental, LLC	
11/17 – Present	**Move Ascension - Phases I, II, & III; Ascension Parish, LA:** ELOS has been contracted to plan projects, perform wetland delineations, conduct cultural resource surveys, and submit permit applications for 60 roadway projects, varying from roundabouts to constructing new lanes and connecting roadways, located throughout Ascension Parish. Mr. Fortson leads multi-disciplinary teams of environmental specialists, engineers, and consultants to achieve project objectives efficiently and effectively through the complexities of environmental compliance, ensuring that infrastructure development meets regulatory standards while minimizing environmental impacts and maximizing community benefits.
02/23 – Present	**LADOTD Roundabout at Minnesota Park and Range Road; Tangipahoa Parish, LA:** ELOS is contracted to complete a wetland delineation report, submit a permit application, as well as assist with a CATEX, Phase I ESA, and the solicitation of views (SOVs) for the roundabout project at the intersection of Minnesota Park and Range Road. Mr. Fortson monitors the project timelines, milestones, and budgets to ensure timely delivery of environmental assessments that align with overall project schedules.
01/21 – Present	**LA 22 Gapping; Ascension Parish, LA:** ELOS is contracted to perform a wetland delineation, complete a joint permit application, complete a biological survey, monitor for bald and golden eagle protection, complete a Phase I ESA, complete a Section 106 review and report, and assist with wetland mitigation planning. Mr. Fortson has served as the project manager to assist in determining the potential jurisdictional wetlands and other waters, preparing and submitting permit applications, and reviewing the desktop Section 106 review. He will also oversee the Phase I ESA and wetland mitigation planning.
01/22 – 09/22	**Judge Dufresne Parkway Extension; St. Charles Parish, LA:** ELOS was contracted to conduct a Wetland Delineation, submit Permit Applications, perform a Phase I ESA, and provide a Section 106 Desktop Review for a 161.5-acre site to extend Judge Dufresne Parkway to include several adjacent, privately owned parcels. Mr. Fortson oversaw the environmental consulting project for the parkway extension, ensuring that environmental considerations were integrated into all project phases, regulatory requirements were met, and the project was completed successfully while minimizing environmental impacts. He implemented quality assurance and control measures to ensure that deliverables meet established standards and client expectations. Mr. Fortson maintained accurate project documentation, including reports, permits, correspondence, and regulatory filings.
08/17 – 11/19	**I-10 Highland to LA 73 Design-Build; East Baton Rouge Parish to Ascension Parish, LA:** ELOS was contracted to act as the environmental compliance manager responsible for permitting and construction monitoring for the fast-track interstate widening project from Highland Road in Baton Rouge to LA 73 in Prairieville. Mr. Fortson provided senior-level environmental project management for the project, overseeing complex environmental aspects of transportation infrastructure initiatives. He assisted in the development of a comprehensive environmental management strategy, wrote and assisted with amending the SWPPP as the project progressed, and assisted in preparing and reviewing the permit applications.
01/15 – 01/16	**US 51 (LA 22 To Club Deluxe Road) – Environmental Services; Tangipahoa Parish, LA:** ELOS was contracted to complete a biological survey and report, a Phase I ESA, and a draft environmental assessment, in addition to analyzing natural resource impacts and assisting with public outreach for this roadway improvement project. Mr. Fortson supervised and participated in field investigations to support wetlands delineations and findings reports, biological surveys, and threatened and endangered species reports. He also provided coordination among regulatory agencies, landowners, and public stakeholders.
07/20 – 08/21	**Trace Connection to Heritage Park Stage 0 Checklist; St. Tammany Parish, LA:** ELOS was contracted to provide a Louisiana DOTD Stage 0 Environmental Checklist for the Trace Connection to Heritage Park project. The project determined the feasibility of two proposed alternatives for the extension of the Tammany Trace from U.S. Highway 190 West/Gause Blvd near Cherry Street eastward for approximately 2.7 miles with a 100-ft wide corridor. Mr. Fortson served as the project manager overseeing all fieldwork and coordinating between clients and government agencies.

Firm Employed By: ELOS Environmental, LLC				
Name:	Basile Dardar		**Years of relevant experience with this employer:**	8
Title:	Environmental Specialist / Project Manager		**Years of relevant experience with other employer(s):**	2
Degree(s) / Years / Specialization:			BS / 2014 / Biology	
Active Registration Number / State / Expiration Date:			N/A	
Year Registered:	N/A	**Discipline:**	N/A	
Contract Role(s) / Brief Description of Responsibilities:			**CONTRACT ROLE:** Wetland studies, Environmental Data Collection & Surveys, Endangered Species Survey including tricolored bat, Environmental Permits, Impacts Evaluation, NEPA Clearance, and Stage 0 Checklists.	

Experience Dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
08/23 – Present	**EBR Off-System Bridge Program; East Baton Rouge, LA:** Mr. Dardar has coordinated with the field team to conduct wetland delineations, completed wetland findings reports, worked with the USACE for jurisdictional determinations of wetlands and assisted with USACE permit applications and supporting documentation for 13 bridge replacements.
09/22 – Present	**DOTD IIJA Off-System Bridges District 62:** ELOS is contracted to provide comprehensive services to replace bridges throughout various parishes located in Southeast Louisiana in several phases until completion. Mr. Dardar has coordinated field teams to assess cultural and environmental impacts. Through ongoing efforts, Mr. Dardar has maintained the required data and documentation and reviewed deliverables and reports applicable to SOVs, wetland delineations, and categorical exclusion of the construction activities. He has assisted with preparing applicable permits, maps, forms, and supplemental documentation.
04/22 – Present	**Tangi Off-System Bridge Prioritization; Tangipahoa Parish, LA:** ELOS is contracted to provide environmental services including wetland delineations, Solicitation of Views (SOVs), Categorical Exclusion (CE) documents, and permit applications and drawings for six bridges to be replaced in District 62. Mr. Dardar has conducted wetland delineations, prepared and submitted permit applications, and led the team in completing the SOVs and CE documentation.
06/22 – 09/23	**LADOTD Rousseau Bridge Replacement; St. Tammany Parish, LA:** ELOS was contracted to provide environmental services for the Rousseau Bridge Replacement Project located on approximately 2.62 acres in St. Tammany Parish. Services included a wetland delineation, Scenic Rivers permit application, emergency authorization application to USACE, SOVs, and a final report. Mr. Dardar has conducted a wetland delineation, submitted reports to USACE, coordinated with the field team regarding SOVs and information needed, and reviewed permit drawings. Mr. Dardar has coordinated with the field team to conduct wetland delineations, complete wetland findings reports, work with the USACE for jurisdictional determinations of wetlands, and assist with USACE permit applications and supporting documentation for 13 bridge replacements.
11/21 – Present	**LADOTD Rural Bridges Phases I & II; Statewide, LA:** ELOS has been contracted to provide professional environmental consulting services for replacing bridges in rural areas for two project phases. Phase I involved bridge replacements under 16 state project numbers and supplemental task orders, impacting 33 structures in Districts 03, 07, 61, and 62. Phase 2 is ongoing and involves bridge replacements under 9 state project numbers and supplemental task orders, impacting multiple structures in Districts 05, 08, and 58. Almost all the projects have included a wetland delineation, permit applications, a cultural resource survey, and a threatened and endangered species survey. Mr. Dardar has coordinated field crews, performed wetland delineations, collected and inputted data, written and produced reports, developed timelines, coordinated with LADOTD, worked on permit applications with state and federal agencies, and assisted with the surveys.

Firm Employed By: ELOS Environmental, LLC	
11/21 – Present	**Move Ascension - Phases II & III; Ascension Parish, LA:** ELOS has been contracted to plan projects, perform wetland delineations, conduct cultural resource surveys, and submit permit applications for 60 roadway projects, varying from roundabouts to constructing new lanes and connecting roadways, located throughout Ascension Parish. Mr. Dardar has worked on the wetland findings report for the USACE jurisdictional determination of wetlands, reviewed delineation photographs and maps, and reviewed corresponding figures and data for the permit applications.
01/22 – 09/22	**Judge Dufresne Parkway Extension; St. Charles Parish, LA:** ELOS was contracted to conduct a Wetland Delineation, submit Permit Applications, perform a Phase I ESA, and provide a Section 106 Desktop Review for a 161.5-acre tract of land referred to as Judge Dufresne Parkway Extension located in St. Charles Parish, Louisiana. Mr. Dardar performed the wetland delineation, completed the Phase I ESA and its report, and assisted with the USACE permit application and follow-up.
06/24 – Present	**US 190 Roundabouts (H.014375); St. Tammany Parish, LA:** ELOS has been contracted to perform a wetland delineation, prepare and submit joint permit applications, complete Section 106 reviews, and conduct threatened and endangered species surveys for a 28-acre area for the installation of roundabouts on US 190. Mr. Dardar has assisted with writing and reviewing the threatened and endangered species report.
02/23 – Present	**LADOTD Minnesota Park / Range Road Roundabout; Tangipahoa Parish, LA:** ELOS is contracted to complete a wetland delineation report to obtain a jurisdictional determination from the U.S. Army Corps of Engineers (USACE), submit a permit application, if necessary, as well as assist with a Categorical Exclusion (CATEX), Phase I Environmental Site Assessment (ESA), and the Solicitation of Views (SOVs) for a roundabout project (H.014340) covering 2.5 acres in Tangipahoa Parish. Mr. Dardar has worked on the SOVs, reviewed the CATEX sections and documentation, written permit applications, and coordinated with LADOTD.

Firm Employed By: ELOS Environmental, LLC			
Name:	Cory Ricks	**Years of relevant experience with this employer:**	8
Title:	Environmental Specialist	**Years of relevant experience with other employer(s):**	1
Degree(s) / Years / Specialization:		BS / 2015 / Biology	
Active Registration Number / State / Expiration Date:		N/A	
Year Registered:	N/A	**Discipline:**	N/A
Contract Role(s) / Brief Description of Responsibilities:		**CONTRACT ROLE:** Environmental Data Collection & Surveys, Impacts Evaluation, NEPA Clearance, and Stage 0 Checklists. Cory meets MPR No. 5.	

Experience Dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
09/20 – Present	**LADOTD Rural Bridges Phases I & II; Statewide, LA:** ELOS has been contracted to provide professional environmental consulting services for the Department of Transportation and Development (LADOTD) Rural Bridge Replacement Initiative for two project phases. Phase 1 involved bridge replacements under 16 state project numbers and supplemental task orders, impacting 33 structures in Districts 03, 07, 61, and 62. Phase 2 is ongoing and involves bridge replacements under 9 state project numbers and supplemental task orders, impacting multiple structures in Districts 05, 08, 58. Almost all the projects have included a wetland delineation, permit applications, cultural resource survey, and a threatened and endangered species survey. Mr. Ricks has coordinated field crews, performed wetland delineations, written and produced reports, developed timelines, coordinated with LADOTD, and assisted with the surveys.
06/22 – 09/23	**LADOTD Rousseau Bridge Replacement; St. Tammany Parish, LA:** ELOS was contracted to provide environmental services for the Rousseau Bridge Replacement Project located on approximately 2.62 acres in St. Tammany Parish. Services included a wetland delineation, Scenic Rivers permit application, emergency authorization application to USACE, SOVs, and a final report. Mr. Ricks worked on the emergency authorization application since the bridge was the only way to access a neighborhood, assisted with the Scenic Rivers permit application, and provided project updates to St. Tammany Parish.
04/22 – 02/24	**Tangi Off-System Bridge Prioritization; Tangipahoa Parish, LA:** ELOS is contracted to provide environmental services including wetland delineations, Solicitation of Views (SOVs), Categorical Exclusion (CE) documents, and permit applications and drawings for six bridges to be replaced in District 62. Mr. Ricks conducted a gopher turtle survey, wrote the findings report, completed permit applications with supporting documentation, and assisted with agency coordination.
11/17 – Present	**Move Ascension - Phases I, II, & III; Ascension Parish, LA:** ELOS has been contracted to plan projects, perform wetland delineations, conduct cultural resource surveys, and submit permit applications for 60 roadway projects, varying from roundabouts to constructing new lanes and connecting roadways, located throughout Ascension Parish. Mr. Ricks leads a team of field members to perform the wetland delineations. He has also assisted with cultural resources field investigations and with permit applications to state and federal agencies (USACE, LEDNR, DOTD).
05/21 – 05/21	**Tammany Trace Bridge Replacement; St. Tammany Parish, LA:** Mr. Ricks performed the wetland delineation, entered the wetforms, revised transmittals, reviewed the photographs/logs, coordinated with the GIS team to update maps, and submitted the wetland findings report.
05/22 – 03/24	**North Brickyard Road Bridge Replacement Program; Tangipahoa Parish, LA:** Mr. Ricks initiated the Solicitation of Views (SPVs), Categorical Exclusion (CE) documents, and reviewed all supporting documentation as it was sent and received from the agencies. He also assisted with permit applications and agency coordination when asked for additional information.

Firm Employed By: ELOS Environmental, LLC	
02/23 – Present	**LADOTD Minnesota Park / Range Road Roundabout; Tangipahoa Parish, LA:** ELOS is contracted to complete a wetland delineation report to obtain a jurisdictional determination from the U.S. Army Corps of Engineers (USACE), submit a permit application, if necessary, as well as assist with a Categorical Exclusion (CATEX), Phase I Environmental Site Assessment (ESA), and the Solicitation of Views (SOVs) for a roundabout project (H.014340) covering 2.5 acres in Tangipahoa Parish. Mr. Ricks has researched additional information for reports, worked on files related to the CATEX, and assisted with reviewing agency requests for more information.
07/21 – 08/22	**LA Trace Road Widening; Ascension Parish, LA:** ELOS was contracted to complete a wetland delineation report and prepare and submit road widening and culvert replacement joint application permits to the USACE and LDENR. Mr. Ricks worked with the team on the wetland delineation and reviewed the final figures and reports, prepared the joint application permits, met with the landowner for right-of-way, provided follow-up information and permit revisions to USACE and LDENR, and reviewed project invoicing.
09/16 – 06/20	**LA 3234 Extension to Hammond Airport Environmental Assessment; Tangipahoa Parish, LA:** ELOS was contracted to provide environmental services for the LA-3234 Extension from LA-1065 to Hammond Airport. These services included preparing estimates of environmental mitigation costs so that ELOS will estimate the cost of mitigation of any unavoidable environmental impacts, such as wetland mitigation, hazardous waste mitigation, or cultural resource mitigation. Mr. Ricks performed the wetland delineation for all three routes and provided a report of the findings. Mr. Ricks also assisted in GIS mapping of the Wetlands Findings Report, Phase I Environmental Site Assessment, and the Biological Assessment Survey. Mr. Ricks also provided a report of the threatened and endangered species known in the project area. Mr. Ricks led efforts on providing stream and waterbody data for each report.
08/17 – 11/19	**I-10 Highland to LA 73 Design-Build; East Baton Rouge Parish to Ascension Parish, LA:** ELOS was contracted to act as the environmental compliance manager responsible for permitting and construction monitoring for the fast-track interstate widening project from Highland Road in Baton Rouge to LA 73 in Prairieville (H.009250). The project included widening an approximately 6-mile segment of I-10 and expanding two bridges/overpasses. Mr. Ricks worked on documentation for the CATEX, wrote and revised several permits to state and federal agencies, and coordinated field crews for completing stormwater inspections and monitoring construction activities for environmental impacts and compliance.

Firm Employed By: ELOS Environmental, LLC			
Name:	Mike Hill	**Years of relevant experience with this employer:**	2
Title:	Environmental Scientist	**Years of relevant experience with other employer(s):**	2
Degree(s) / Years / Specialization:		BS / 2019 / Environmental Science	
Active Registration Number / State / Expiration Date:		DOTD FFA certified UAV(Drone) pilot. Certification No: 4566332	
Year Registered:	N/A	**Discipline:**	N/A
Contract Role(s) / Brief Description of Responsibilities:		**CONTRACT ROLE:** Wetland Studies, Environmental Data Collection & Surveys, Environmental Permits, Impacts Evaluation, NEPA Clearance, and Stage 0 Checklists	

Experience Dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
09/22 – Present	**LADOTD Rousseau Bridge Replacement; St. Tammany Parish, LA:** ELOS was contracted to provide environmental services for the Rousseau Bridge Replacement Project located on approximately 2.62 acres in St. Tammany Parish. Services included a wetland delineation, Scenic Rivers permit application, emergency authorization application to USACE, SOVs, and a final report. Mr. Hill prepared the solicitation of views packet and worked on the permit applications.
04/22 – Present	**Tangi Off-System Bridge Prioritization; Tangipahoa Parish, LA:** ELOS is contracted to provide environmental services including wetland delineations, Solicitation of Views (SOVs), Categorical Exclusion (CE) documents, and permit applications and drawings for six bridges to be replaced in District 62 for the DOTD Off-System Bridge Prioritization project. Mr. Hill coordinated with USACE and prepared the solicitation of views packet.
11/21 – Present	**LADOTD Rural Bridges Phases I & II; Statewide, LA:** ELOS has been contracted to provide professional environmental consulting services for replacing bridges in rural areas for two project phases. Phase I involved bridge replacements under 16 state project numbers and supplemental task orders, impacting 33 structures in Districts 03, 07, 61, and 62. Phase 2 is ongoing and involves bridge replacements under 9 state project numbers and supplemental task orders, impacting multiple structures in Districts 05, 08, and 58. Almost all the projects have included a wetland delineation, permit applications, a cultural resource survey, and a threatened and endangered species survey. Mr. Hill has coordinated field crews to gather data from field including plot photos and worked on the permit submittal.
04/22 – Present	**N. Brickyard Rd. Bridge Replacement; Tangipahoa Parish, LA:** ELOS has been contracted to provide professional environmental consulting services for the replacement of North Brickyard Road Bridge. The project includes a categorical exclusion written in accordance with Federal Highway Administration (FHWA) guidance. A wetland study and delineation are also required. Mr. Hill performed the delineation in the field and also prepared the solicitation of views packets for the permit application.
02/22 – Present	**STP Lock No. 3 Replacement; St. Tammany Parish, LA:** ELOS has been contracted to perform wetland delineation, submit joint permit applications, perform a State Historic Preservation Office (SHPO) Section 106 desktop review and Consultation, and perform a U.S. Fish and Wildlife (USFWS) Endangered Species Act (ESA) Biological assessment for the St. Tammany Parish Lock No. 3 Bridge Replacement project. Mr. Hill performed the wetland delineation and also constructed the wetland report for the joint permit application.
04/22 – 08/23	**Lod Stafford Rd Bridge Replacement; Livingston Parish, LA:** ELOS has been contracted to provide professional environmental services that include aiding the client in the submittal of the FEMA 8-Step Process, Solicitation of Views (SOV) process, perform a wetland delineation, and submit a permit application to the United States Army Corps of Engineers (USACE) for a 0.25-acre tract of land to authorize the proposed activities for the Lod Stafford Road Bridge Replacement project located in Livingston Parish, LA. Mr. Hill performed the delineation and input data into the ArcGIS system to complete the wetland report.

Firm Employed By: ELOS Environmental, LLC			
Name:	Christopher Wilson	**Years of relevant experience with this employer:**	1
Title:	Archaeologist	**Years of relevant experience with other employer(s):**	5
Degree(s) / Years / Specialization:		MA / 2023 / Art History and Curatorial Studies MA / 2022 / Archaeology BA / 2021 / Art and Archaeology	
Active Registration Number / State / Expiration Date:		Registered Professional Archaeologist	
Year Registered:	N/A	**Discipline:**	N/A
Contract Role(s) / Brief Description of Responsibilities:		**CONTRACT ROLE:** Section 106 Desktop Reviews, Terrestrial and Maritime Archaeology, Phase I, II, and III Cultural Resource Surveys, Evaluations and Recoveries, Construction Monitoring.	

Experience Dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
07/24 – 09/24	**Juban North Extension:** Mr. Wilson provided a Section 190n desktop review for Livingston Parish Juban Road Extension. He researched and reviewed historical maps, aerial photographs, and the online database of archaeological and historic sites maintained by SHPO. He found that there had been 11 cultural resource investigations within 1-mile of the project area. He also reviewed historical topographical maps and aerials. Mr. Wilson found that because the site had not been heavily altered through construction previously a historic structure survey was recommended.
06/24 – 10/24	**Move Ascension, Phase III:** Mr. Wilson was responsible for conducting a Section 106 Desktop Review of the Roddy Road area as part of the third phase of Move Ascension project. This review included identifying potential historic structures by using SHPO databases and files. He also reviewed historic aerial images for structures in the area. He was able to identify from the multiple sources that there were historical structures. He compiled his findings and met with GIS to report them.
10/24 – 10/24	**Livingston Parish Old Mill Settlement Road:** Mr. Wilson was responsible for performing a Section 106 desktop review in support of Livingston Parish Government for their proposed road project. His responsibilities included but were not limited to working with all applicable state agencies and adhering to the regulations of 36 CFR Part 800. He verified that the site had experienced some disturbances due to road construction and that there was a high probability of possible Cultural resources due to the proximity of the Amite River and the previously recorded archaeological sites.
03/24 – 04/24	**5th Street Improvements (H.012885):** Mr. Wilson performed a Phase I Cultural Resource Survey of 0.5-mile radius of the projected improvement project. This included a pedestrian survey, taking systematic photos, recording addresses of all historic structures, and completing all Louisiana Historic Resource Inventory forms. The buildings were found to not be eligible, but it was noted that they are in a district that is potentially eligible as a Postwar Commercial Strip. He developed a plan for any cultural material encountered would be labeled with provenance and temporarily curated by ELOS. In the end, he recommended the project proceed as planned after concluding that no significant cultural resources would be impacted.
11/23 – 11/23	**Tangi Off-System Bridge Prioritization:** For the DOTD Off-System Bridge Prioritization Project, Mr. Wilson provided a review of the project site to assess the potential effects of bridge replacements on cultural resources. He verified no cultural resources were needed, allowing the project to move forward in accordance with regulatory requirements.
11/23 – 11/23	**N. Brickyard Road Bridge Replacement:** Mr. Wilson reviewed the project site to assess with the potential effects of the bridge replacement on cultural resources. He verified no cultural resources were needed, allowing the project to move forward in accordance with regulatory requirements.

07/24 – 08/24	**St. Tammany Parish US 190 Roundabouts:** Mr. Wilson was responsible for CRM services for the construction of three roundabouts along Highway 190 in St. Tammany in support of Section 106 compliance. His responsibilities included SHPO files to include all previously recorded cultural resource surveys, archaeological sites, and historic structures within a 1-mile radius. He also compiles reviews and reports to summarize findings and addresses any potential impacts on cultural resources, including cemetery reviews.
10/23 – 02/24	**Tangipahoa USDOT BIP Services 2023; Tangipahoa Parish, LA:** Mr. Wilson performed a Cultural Resource Review of previous investigations. These investigations included surveys, cemeteries, and listings of historic structures. He coordinated with the project manager and SHPO while conducting and documenting the review.

SECTIONS 17-18

Stoney Point Burch over Drainage Bayou - Project Existing Conditions (Subconsultant)

17. Firm Experience

Firm Name	**Stanley Consultants, Inc.**	Past Performance Evaluation Discipline(s)*	Road, Bridge
Project Name	**Stoney Point Burch over Drainage Bayou**	Firm Responsibility (Prime Or Sub?)	Sub
Project Number	H.015545	Owner's Name	Louisiana Department of Transportation and Development (DOTD)
Project Location	East Baton Rouge Parish, LA	Owner's Project Manager	Patrick Duffy
Owner's Address, Phone, Email	450 Laurel Street, Suite 1200, Baton Rouge, LA 70801; 504.382.7946, pduffy@hntb.com		
Services Commenced By This Firm (MM/YY)	11/24	Total consultant contract cost ($1,000's)	N/A
Services Completed By This Firm (MM/YY)	11/25 (est.)	Cost of consultant services provided by this firm ($1,000's)	$37

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

Firm's Role: As a subconsultant, Stanley Consultants is responsible for all engineering services required for preliminary and final bridge design plans on the Stoney Point Burch over Drainage Bayou bridge replacement project in East Baton Rouge Parish.

Project Description: The Stoney Point Burch over Drainage Bayou off-system bridge replacement project in East Baton Rouge Parish is a part of the widespread bridge replacement program funded by the Infrastructure Investment and Jobs Act (IIJA). The existing bridge is structurally deficient and in need of replacement. Stanley Consultants received the topographical survey and geotechnical report, and our road design team has set the alignment and profile of the roadway. Stanley's bridge design team took the elevation set by the roadway team and proceeded with the preliminary bridge design plan sheets. Once preliminary plans are submitted and environmental clearance is issued, Stanley Consultants will proceed with final design. The bridge design plans will include but not be limited to bridge plan sheets as outlined in the LADOTD Bridge Design and Evaluation Manual. During the construction phase, a detour route will be provided with necessary traffic signage once the bridge is closed for demolition.

Team Members: Blake Roussel, Kayla Lafitteau, Luis Santana, Scott Smythe, Jesse Tisdale

SPECIAL PROJECT ASPECTS

This project is very similar in nature to the project being advertised. The Stanley Consultants team being proposed is in the process of delivering this project as a sub consultant and will utilize its experience gained to aid project delivery.

Firm Name	**Stanley Consultants, Inc.**	Past Performance Evaluation Discipline(s)*	Road, Bridge
Project Name	**Pride-Baywood Rd over Mill Creek**	Firm Responsibility (Prime Or Sub?)	Sub
Project Number	H.015550	Owner's Name	Louisiana Department of Transportation and Development (DOTD)
Project Location	East Baton Rouge Parish, LA	Owner's Project Manager	Patrick Duffy
Owner's Address, Phone, Email	450 Laurel Street, Suite 1200, Baton Rouge, LA 70801; 504.382.7946, pduffy@hntb.com		
Services Commenced By This Firm (MM/YY)	11/24	Total consultant contract cost ($1,000's)	N/A
Services Completed By This Firm (MM/YY)	12/25 (est.)	Cost of consultant services provided by this firm ($1,000's)	$37

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

Firm's Role: As a subconsultant, Stanley Consultants is responsible for all engineering services required for preliminary and final bridge design plans on the Pride-Baywood Road over Mill Creek bridge replacement project in East Baton Rouge Parish.

Project Description: The Pride-Baywood Road over Mill Creek off-system bridge replacement project in East Baton Rouge Parish is a part of the widespread bridge replacement program funded by the Infrastructure Investment and Jobs Act (IIJA). The existing bridge is structurally deficient and in need of replacement. Stanley Consultants received the topographical survey and geotechnical report, and our road design team has set the alignment and profile of the roadway. Stanley's bridge design team took the elevation set by the roadway team and proceeded with the preliminary bridge design plan sheets. Once preliminary plans are submitted and environmental clearance is issued, Stanley Consultants will proceed with final design. The bridge design plans will include but not be limited to bridge plan sheets as outlined in the LADOTD Bridge Design and Evaluation Manual. During the construction phase, a detour route will be provided with necessary traffic signage once the bridge is closed for demolition.

Team Members: Blake Roussel, Luis Santana, Scott Smythe, Jesse Tisdale

SPECIAL PROJECT ASPECTS

This project is very similar in nature to the project being advertised. The Stanley Consultants team being proposed is in the process of delivering this project as a sub consultant and will utilize its experience gained to aid project delivery.

Firm Name	**Stanley Consultants, Inc.**		Discipline(s)*	Road, Bridge	
Project Name	**Bootlegger Rd – Bridge Replacement and Road Mill and Overlay**		Firm Responsibility (Prime Or Sub?)	Prime	
Project Number	N/A	Owner's Name	St. Tammany Parish Government		
Project Location	St. Tammany Parish, LA		Owner's Project Manager	Jay Watson, PE	
Owner's Address, Phone, Email	21454 Koop Dr., Mandeville, LA 70471, (985) 898-2552, jwatson@stpgov.org				
Services Commenced By This Firm (MM/YY)	01/17		Total consultant contract cost ($1,000's)	$490	
Services Completed By This Firm (MM/YY)	09/20		Cost of consultant services provided by this firm ($1,000's)	$284	

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

Firm's Role: Stanley Consultants provided professional engineering services for preliminary plans and sidewalk feasibility test; load rating analysis; bridge engineering services; geotechnical advice; road design; surveying; hydrologic and hydraulic analysis; environmental services, and; construction engineering and inspections.

Project Description: This corridor experienced a deteriorating roadway and increased traffic due to population growth and urban sprawl. St. Tammany Parish's goal was to perform infrastructure improvements via mill and overlay and rehabilitate or replace the existing bridge. The Parish lumped these two projects into a single design for a streamlining and more economical decision of taxpayer dollars.

St. Tammany Parish procured the services of Stanley Consultants to perform the engineering and design. A traffic data inventory was performed, along with a coring of the existing highway, to determine if the existing pavement section is suitable for projected traffic volumes as this area is one of Louisiana's fastest growing Parishes in the state. The proposed bridge included a shared-use path on the deck providing connectivity for several miles of pedestrian paths. Services included a topographic survey, right-of-way mapping, soil analysis, traffic data inventory, feasibility study, conceptual engineering design, opinion of construction cost, preliminary wetland assessment, and Corps of Engineers (USACE) jurisdictional determination for the mill & overlay and bridge design along a 3-mile segment of Bootlegger Road located in Covington, LA. The proposed roadway is detailed as a two lane rural collector with 2-12 ft travel lanes, 2 ft aggregate shoulders, open ditch and subsurface drainage, and a shared-use path. The feasibility of a shared-use path is to be evaluated based on line and grade, coordination, and agreements to occupy a utility company's easement. The replacement of a timber bridge with a newly designed at-grade span bridge is also included within the project limits.

The life of the road will have another 5-10 years before having to perform another surfacing improvement. The bridge will provide a safe crossing for many years to come.

Team Members: Blake Roussel, Luis Santana, Scott Smythe, ELOS Environmental, LLC

SPECIAL PROJECT ASPECTS

The Stanley Consultants team performed the bridge design for this bridge replacement project in Louisiana.

Firm Name	**Stanley Consultants, Inc.**	Past Performance Evaluation Discipline(s)*	Bridge, Planning
Project Name	**LA 117 between LA 8 and LA 118 Bridge Study**	Firm Responsibility (Prime Or Sub?)	Sub
Project Number	H.013817.1	Owner's Name	Buchart Horn, Inc.
Project Location	Vernon and Natchitoches Parishes, LA	Owner's Project Manager	Mira Para, PE
Owner's Address, Phone, Email	18163 E. Petroleum Dr., Suite A, Baton Rouge, LA; (225) 755-2120; mpara@bucharthorn.com		
Services Commenced By This Firm (MM/YY)	05/19	Total consultant contract cost ($1,000's)	N/A
Services Completed By This Firm (MM/YY)	07/20	Cost of consultant services provided by this firm ($1,000's)	$28

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

Firm's Role: The Stage 0 Feasibility Study of LA 117 from LA 8 to LA 118 Project was a task order issued from an indefinite delivery/indefinite quantity (IDIQ) for Stage 0 Studies. Stanley Consultants provided subconsultant services to a prime consultant

Project Description: DOTD contracted the team to provide bridge repair recommendations for five existing bridges along the subject LA 117 corridor. Stanley Consultants was responsible for leading the bridge design and analysis scope of work for the team's prime consultant. The prime consultant retained the roadway repair scope of work and contract management.

Stanley Consultants was responsible for the following tasks: Project Research and background, Site Investigations, Providing repair recommendations for the existing five bridges along the corridor, Providing geometric layouts for the bridge repair final alternatives, Providing typical sections for the bridge repair final alternatives, Providing an opinion of probable cost for the bridge repair final recommendations, Contributing to the Draft and Final Stage 0 Feasibility Study report relative to the bridge repair recommendations.

The existing bridges consisted of two timber bridges and three concrete slab span bridges. The bridges ranged in span numbers from two spans to 10 spans with a typical span length of 20-ft. Each bridge has two alternatives to match the roadway improvements. The timber bridges were recommended for replacement, and the concrete bridges were recommended for widening for most alternatives. One bridge was recommended for replacement by box culvert due to an extreme vertical profile change.

Team Members: Luis Santana, Scott Smythe

SPECIAL PROJECT ASPECTS

This project represents the Stanley Consultants team's experience in delivering bridge projects for DOTD. It shows our proposed team has a well-rounded and comprehensive knowledge base related to DOTD bridge requirements and that we have the necessary capabilities to deliver any type of bridge related project for DOTD.

Firm Name	**Stanley Consultants, Inc.**	Past Performance Evaluation Discipline(s)*	Road, Bridge
Project Name	**I-12 LA 21 to US 190 and LA 1077 to LA 21**	Firm Responsibility (Prime Or Sub?)	Prime
Project Number	H.011137.5	Owner's Name	Louisiana Department of Transportation and Development (DOTD)
Project Location	St. Tammany Parish, LA	Owner's Project Manager	Jacob Fusilier, PE, PMP
Owner's Address, Phone, Email	1201 Capitol Access Rd, Baton Rouge, LA, 225.379.1185, jacob.fusilier@la.gov		
Services Commenced By This Firm (MM/YY)	06/18	Total consultant contract cost ($1,000's)	$81
Services Completed By This Firm (MM/YY)	12/20	Cost of consultant services provided by this firm ($1,000's)	$81

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

Firm's Role: Stanley Consultants provided all engineering services required for preliminary and final roadway design plans on two successive projects along I-12 in St. Tammany Parish. Stanley Consultants also prepared Independent Cost Estimation and Critical Path Modeling (CPM) for both projects. Stanley Consultants provided QAQC, coordination and overall project oversight for bridge design plans and geotechnical services.

Project Description: LA 21 to US 190 incorporated approximately 3.7 miles of improvements. LA 1077 to LA 21 incorporated approximately 3.4 miles of improvements. These two successive projects along the I-12 corridor involved engineering and related services required to widen and rehabilitate I-12 to the median side from a four lane freeway to a six-lane freeway section in both directions, including auxiliary lanes connecting Pinnacle Parkway to US 190.

Additionally, both projects incorporated bridge widenings and rehabilitation crossing LA 21 and the Tchefuncte River. Stanley Consultants performed the initial assessment of existing bridge conditions, laying the groundwork for a successful design. Throughout the design process, Stanley Consultants provided project management, design reviews and quality control reviews during every milestone for all bridges.

A significant amount of communication and coordination effort was mandatory with District 62 and DOTD Headquarters to successfully complete a Level 4 TMP and the development of the sequence of construction maintaining lanes of traffic both directions over the Tchefuncte River. The Stanley Consultants Team provided construction support to help facilitate a smooth and successful construction phase.

Team Members: Jesse Tisdale, Luis Santana, Scott Smythe, Kayla Lafitteau

SPECIAL PROJECT ASPECTS

The Stanley Consultants Team used its diverse and talented team to complete this project for DOTD under a very accelerated design schedule. We also successfully coordinated these two design projects with the simultaneous and adjacent I-12 design and construction that was ongoing during design.

Firm Name	**LandSource, Inc.**			Past Performance Evaluation Discipline(s)*	Survey
Project Name	**Spring Bayou OSB**			Firm Responsibility (Prime Or Sub?)	Sub
Project Number	H014985.5	Owner's Name	Louisiana Department of Transportation & Development (DOTD)		
Project Location	Avoyelles Parish			Owner's Project Manager	William C. Monroe
Owner's Address, Phone, Email	11325 Pennywood Ave, Baton Rouge, LA 70809; 225.293.1905; wcm@monroecorie.com				
Services Commenced By This Firm (MM/YY)	06/23		Total consultant contract cost ($1,000's)		N/A
Services Completed By This Firm (MM/YY)	07/23		Cost of consultant services provided by this firm ($1,000's)		$5

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

The project's objective was to develop plans for the replacement of one (1) bridge in Avoyelles Parish, which was off the State Highway System. LandSource, Inc. was responsible for all the surveying, which included topographic, field and right-of-way surveys. All LandSource personnel listed on the prime's organizational chart were involved in this project & will be utilized in any future projects. 100% of the work was performed in Louisiana.

Team Members: David Patterson, Scott Patterson, Michael Pitre

Firm Name	**LandSource, Inc.**			Past Performance Evaluation Discipline(s)*	Survey
Project Name	**Headrick Road OSB**			Firm Responsibility (Prime Or Sub?)	Sub
Project Number	H014978	Owner's Name	Louisiana Department of Transportation & Development (DOTD)		
Project Location	Rapides Parish			Owner's Project Manager	William C. Monroe
Owner's Address, Phone, Email	11325 Pennywood Ave, Baton Rouge, LA 70809; 225.293.1905; wcm@monroecorie.com				
Services Commenced By This Firm (MM/YY)	08/23		Total consultant contract cost ($1,000's)		N/A
Services Completed By This Firm (MM/YY)	09/23		Cost of consultant services provided by this firm ($1,000's)		$6

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

The project's objective was to develop plans for the replacement of one (1) bridge in Rapides Parish, which was off the State Highway System. LandSource, Inc. was responsible for all the surveying, which included topographic, field and right-of-way surveys. All LandSource personnel listed on the prime's organizational chart were involved in this project & will be utilized in any future projects. 100% of the work was performed in Louisiana.

Team Members: David Patterson, Scott Patterson, Michael Pitre

Firm Name	**LandSource, Inc.**			Past Performance Evaluation Discipline(s)*	Survey
Project Name	**Airport Road near Bison Road**			Firm Responsibility (Prime Or Sub?)	Sub
Project Number	H014979	Owner's Name	Louisiana Department of Transportation & Development (DOTD)		
Project Location	Acadia Parish			Owner's Project Manager	William C. Monroe
Owner's Address, Phone, Email	11325 Pennywood Ave, Baton Rouge, LA 70809; 225.293.1905; wcm@montoecorie.com				
Services Commenced By This Firm (MM/YY)	03/23		Total consultant contract cost ($1,000's)		N/A
Services Completed By This Firm (MM/YY)	04/23		Cost of consultant services provided by this firm ($1,000's)		$4.5

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

The project's objective was to develop plans for the replacement of one (1) bridge in Acadia Parish, which was off the State Highway System. LandSource, Inc. was responsible for all the surveying, which included topographic, field and right-of-way surveys. All LandSource personnel listed on the prime's organizational chart were involved in this project & will be utilized in any future projects. 100% of the work was performed in Louisiana.

Team Members: David Patterson, Scott Patterson, Michael Pitre

Firm Name	**ELOS Environmental, LLC**	Past Performance Evaluation Discipline(s)*	Environmental
Project Name	**Rural Bridges: Phases I & II**	Firm Responsibility (Prime Or Sub?)	Sub
Project Number	Multiple- See list below.	Owner's Name	Louisiana Department of Transportation & Development (DOTD)
Project Location	Statewide, LA (Districts 3, 5, 7, 8, 58, 61, and 62)	Owner's Project Manager	Brian Allen
Owner's Address, Phone, Email	1201 Capitol Access Road, Baton Rouge, LA 70802; 225.379.1840; brian.allen@la.gov		
Services Commenced By This Firm (MM/YY)	08/20	Total consultant contract cost ($1,000's)	Unknown
Services Completed By This Firm (MM/YY)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$541.8

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

ELOS has been contracted by BKI to provide professional environmental consulting services for the Louisiana Department of Transportation and Development (LADOTD) Rural Bridge Replacement Initiative for two project phases. Phase I involved bridge replacements under 16 state project numbers and supplemental task orders, impacting 33 structures in Districts 03, 07, 61, and 62. Phase II is ongoing and involves bridge replacements under 9 state project numbers and supplemental task orders, impacting multiple structures in Districts 05, 08, and 58. Almost all the projects have included wetland delineations, permit applications, cultural resource surveys, and threatened and endangered species surveys. ELOS has also assisted in the early planning stages of some of these projects to identify any possible adverse economic, social, or environmental effects or concerns.

Project Numbers: H.013952, H.013955, H.013956, H.013957, H.013958, H.013959, H.013963, H.013966, H.013968, H.013970, H.013976, H.013982, H.013984, H.013989, H.013996, H.013997 (Phase 1) and H.014242, H.014243, H.014245, H.014246, H.014247, H.014248, H.014249, H.014250, H.014268, H.015685 (Phase II)

ELOS has performed all environmental services according to the standards of the Federal Highway Administration (FHWA). Permits have been coordinated through several federal and state agencies including joint applications to the USACE and the Louisiana Department of Energy and Natural Resources (LDENR) / Office of Coastal Management, Scenic Rivers permits through the Louisiana Department of Wildlife & Fisheries, and cultural resource surveys in coordination with the Louisiana State Historic Preservation Office. ELOS also has personnel recently trained in the tricolored bat identification and surveys, which have been used for some of these bridge replacement projects.

Team Members: Lucas Watkins, Brian Fortson, Cory Ricks, Basile Dardar, Christopher Wilson

Firm Name	**ELOS Environmental, LLC**	Past Performance Evaluation Discipline(s)*	Environmental
Project Name	**DOTD IIJA Off-System Bridges District 62**	Firm Responsibility (Prime Or Sub?)	Sub
Project Number	Multiple - See list below.	Owner's Name	Louisiana Department of Transportation & Development (DOTD)
Project Location	Tangipahoa Parish, LA	Owner's Project Manager	Greg Sepeda (Sigma)
Owner's Address, Phone, Email	10305 Airline Hwy, Baton Rouge, LA 70816; (225)810-3100; gsepeda@sigmacg.com		
Services Commenced By This Firm (MM/YY)	09/22	Total consultant contract cost ($1,000's)	$129
Services Completed By This Firm (MM/YY)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$127

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

The Off-System Bridge Program, established under the Infrastructure Investment and Jobs Act (IIJA), is a key federal initiative aimed at improving bridges not located on the federal-aid highway system. The program is designed to address the needs of local and rural bridges, which often fall outside the primary focus of traditional federal bridge programs. The program is managed at the state level and had $264 funded specifically for the repair, replacement, or rehabilitation of bridges. The funds were based on priorities and the overall condition of the bridges.

Project Numbers: H.015429, H.015430, H.015431, H.015432, H.015432, H.015433, H.015434

ELOS is currently contracted for the DOTD IIJA Off-System Bridge Program. The objective of this program was to replace as many poor condition, off-system bridges as possible by initial screenings of eligible "off-system" structures and create a Preliminary Screening Matrix/Spreadsheet. ELOS conducted appropriate technical and environmental studies and prepared necessary environmental documentation for approval from the Federal Highway Administration (FHWA), in accordance with the provisions of the National Environmental Policy Act (NEPA), FHWA Technical Advisory 6640.8a, and applicable laws, rules, guidance, and regulations. ELOS services encompass a comprehensive range of tasks aimed at ensuring compliance with environmental regulations and facilitating the necessary approvals for infrastructure projects. These services include environmental consulting to advise on regulatory requirements, NEPA (National Environmental Policy Act) compliance to assess and mitigate potential environmental impacts, and agency coordination to engage relevant federal, state, and local authorities. Additionally, services involve preparing section 106 tribal packets for consultation with native American tribes, solicitation of views to gather input from stakeholders, and conducting detailed studies such as wetland studies, cultural resources studies, and cultural resources surveys to evaluate the impact on natural and cultural resources. Surveys for threatened & endangered species and the preparation of a navigability determination packet help ensure environmental protections are met. The process also includes the development of an environmental determination checklist and the acquisition of necessary environmental permits to ensure all legal and regulatory requirements are fulfilled before the project proceeds.

Team Members: Lucas Watkins, Basile Dardar, Christopher Wilson

Firm Name	**ELOS Environmental, LLC**	Past Performance Evaluation Discipline(s)*	Environmental
Project Name	**EBR IIJA Off-System Bridge Program**	Firm Responsibility (Prime Or Sub?)	Sub
Project Number	Multiple - See list below.	Owner's Name	Louisiana Department of Transportation & Development (DOTD)
Project Location	East Baton Rouge Parish, LA	Owner's Project Manager	Dusty Bastion
Owner's Address, Phone, Email	450 Laurel Street, Suite 1200, Baton Rouge, LA 70801; 225.368.2800; dbatson@hntb.com		
Services Commenced By This Firm (MM/YY)	03/23	Total consultant contract cost ($1,000's)	$108
Services Completed By This Firm (MM/YY)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$87

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

The East Baton Rouge (EBR) IIJA Off-System Bridge Program is an initiative aimed at replacing or rehabilitating various bridges throughout East Baton Rouge Parish, Louisiana, funded under the Infrastructure Investment and Jobs Act (IIJA). The primary goal of the program is to improve the safety, reliability, and structural integrity of local bridges, many of which are aging or in need of significant repairs. This program is part of a larger nationwide effort to address critical infrastructure needs, especially in rural and off-system bridge locations that are not part of the primary interstate or state highway systems but are still essential for local connectivity and economic activity. The program focuses on replacing existing bridges with modern slab span bridges, which are often more cost-effective, durable, and easier to maintain compared to traditional bridge designs. These improvements will reduce the risk of bridge closures, enhance traffic flow, and support the local economy by ensuring safe passage for both vehicles and pedestrians.

Project Numbers: H.015547, H.015548, H.015544, H015549, H.015545, H.015550, H.015341, H.015551, H.015552, H.015553

ELOS is contracted by HNTB to provide comprehensive wetland delineation and permit application services for the East Baton Rouge Parish (EBR) IIJA Off-System Bridge Program. Our team of experts has conducted thorough field surveys to delineate wetland boundaries across the 13 bridge replacement sites, using advanced techniques to assess soil types, vegetation, and hydrological conditions. We have ensured that all findings are accurately mapped and documented, complying with federal and state regulations using the latest FHWA criteria and standards. Based on our wetland delineation, we have prepared and submitted permit applications to the U.S. Army Corps of Engineers, the Louisiana Department of Environmental Quality, and other relevant agencies, securing the necessary approvals for the project. Our services have also included an analysis of environmental impact assessments, where we have evaluated potential wetland impacts and developed mitigation plans to compensate for any unavoidable losses. Throughout the permitting process, we have engaged with agencies, responded to requests for additional information or documentation, and provided ongoing compliance monitoring to ensure environmental protection standards are met during construction.

Team Members: Lucas Watkins, Brian Fortson, Basile Dardar, Cory Ricks

18. Approach and Methodology

INTRODUCTION

The DOTD Off-System Bridge Replacement (OSBR) Program serves to replace or rehabilitate structurally deficient or functionally obsolete parish structures with cost efficiency in mind. These structures are not located on a state highway but still provide for critical access to essential services for the local communities. Angus Ave over Drainage Canal is a structurally deficient bridge in East Baton Rouge Parish in need of replacement. Stanley Consultants is offering topographic survey, environmental and preliminary design services for this bridge to provide a replacement structure meeting the minimum design standards set by DOTD and FHWA.

TEAMWORK

The Stanley Consultants Team has been assembled to offer the experience and capacity required to deliver exceptional services for multiple Off-System Bridge Replacement projects concurrently. Our Lead PM, Blake Roussel, PE with his experience of successful client service and project delivery, has strategically given each Team member a specific role and responsibility that will put the entire team in the best position for success.

Blake has designed or managed over 20 projects for DOTD and is well versed in DOTD's project delivery procedures. Blake is currently serving as the Stanley Consultants Project Manager on two DOTD Off-System Bridge Projects as a subconsultant. Ed Wedge, PE has specifically been chosen to oversee and administer our QA/QC procedures. With Ed possessing multiple decades of experience with DOTD and serving as Deputy Chief Engineer, he understands the policy, standards and processes required to perform as an engineering consultant working for DOTD and the level of standard DOTD expects on projects. David Patterson, PLS, of LandSource, Inc., has been selected to lead the surveying and right-of-way services. David has over three decades of experience to bring to the team along with leading surveying services on multiple Off-System Bridge projects with DOTD. Lucas Watkins, of ELOS Environmental LLC with his plethora of environmental services on multiple on and off-system bridges during his more than two-decade career, rounds out our ideal team for this project.

PROJECT UNDERSTANDING & SITE VISIT

The Stanley Consultants Team performed a site visit on April 1st, 2025, to assess the project site firsthand and identify unique conditions that may need to be considered during the design process. Angus Ave is a two lane concrete roadway in a rural part of East Baton Rouge Parish with a posted speed limit of 25 mph. The existing bridge is a concrete bridge deck supported by timber caps and timber piles. The bridge was constructed in 1966 with a total length of approximately 58 feet.

Existing Timber Piles & Timber Caps

The bridge is currently load posted for 15 tons. An exposed water main appears present on the south side of the bridge. Due to the proximity to the bridge, relocation of this water main will need to be considered.

Exposed Water Main

On the north side of the bridge, an exposed sewer line is present, relocation will need to be considered for this utility line as well.

Exposed Sewer Line

There are driveways both to the west and east of the bridge that may affect guardrail lengths. The Stanley Consultants Team will use all information collected during our site visit and verified by topographic survey data to begin design.

PROJECT DELIVERY APPROACH & METHODOLOGY

KICK-OFF & CLIENT UNDERSTANDING

Once the Notice-to-Proceed is received, The Stanley Consultants team will meet with the DOTD OSBR Program Manager to discuss the project, receive DOTD field books and discuss any other project pertinent information that will facilitate a successful design.

The Stanley Consultants Team will hold an additional meeting with necessary East Baton Rouge Parish representatives to discuss any items specific to the proximity of the bridge location. The discussion will cover, but not be limited to, specific land users in the area, structure preferences and potential detour routes in order to promote a minimization of impact on road users.

SURVEY

With a plethora of experience in topographical surveys for Off-System Bridge Replacement projects, LandSource, Inc. will perform the survey for this project. Stanley Consultants will work closely with LandSource, Inc. to ensure all necessary data is collected.

The survey will be performed in accordance with DOTD Off-System Bridge Guidelines and DOTD Location & Survey Requirements. A minimum of four (4) control points set in existing pavement in good condition will be used to establish GPS control.

50% Preliminary Design

Upon completion, the topographical survey will be submitted for review and approval by DOTD before Stanley Consultants proceeds with the preparation of preliminary plans and begins Hydraulic Analysis. Stanley Consultants is currently in this phase of the design of two Off-System Bridge Replacement projects, Stoney Point Burch over Drainage Bayou and Pride-Baywood Road over Mill Creek, both in East Baton Rouge Parish.

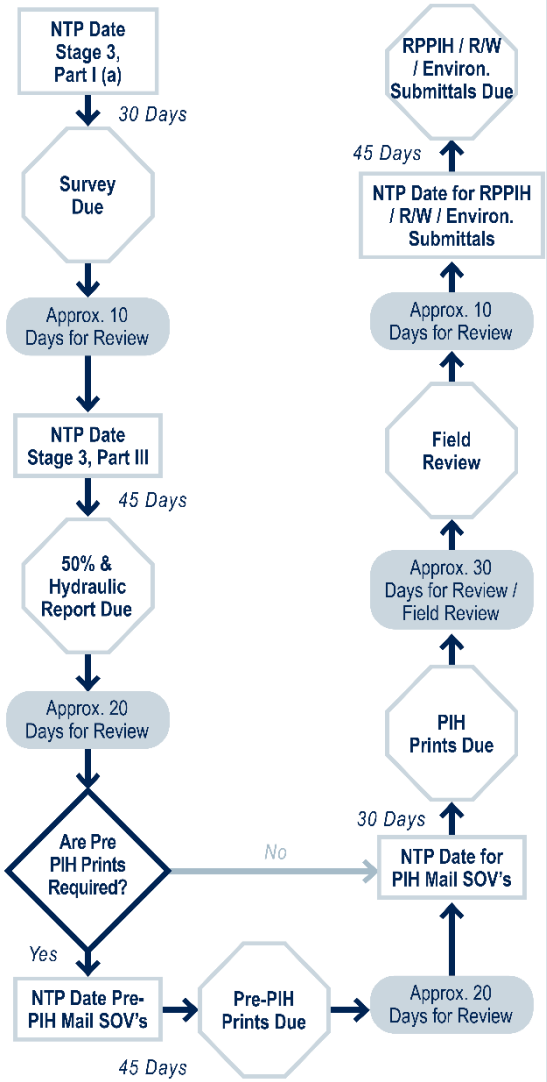
Design Criteria

Stanley Consultants will produce an initial design criterion by first evaluating the traffic data. All possible utility relocation will be brought to the attention of the Parish at this time. Upon completion, the design criteria will be submitted to DOTD for review and design will further progress once approval is received.

Hydraulic Analysis

Hydraulic and scour analysis will be performed in accordance with the DOTD Hydraulics Manual as modified by the Hydraulics Guidelines for Off-System Bridges. Stanley Consultants will first gather all necessary information to conduct hydraulic and scour analysis. This will include but not limited to topographic maps, FEMA Firm maps, and USGS Quadrangle maps to delineate the site's drainage basin. Hydraulic design will utilize approved software to determine the peak flows necessary to determine Bridge Type, Size and Location (TS&L).

Time Line for Preliminary Plans
(Typical Project)



Bridge Type, Size, & Location

At this stage, Stanley Consultants will utilize our experienced structural personnel to determine the appropriate TS&L. Derivatively, the bridge length, revetment slopes and hydraulic opening will then be determined. Stanley Consultants' staff has the required experience to incorporate any non-standard structure if deemed necessary. It is also understood from pre-advertisement conversations with the DOTD PM that box culverts could potentially be an appropriate solution for this project. Once the TS&L is determined, Stanley Consultants will progress to finalizing and submitting the 50% Preliminary Plans and Hydraulic Report to DOTD for review.

Pre Plan-in-Hand / Solicitation of Views

Once comments have been received from the 50% Preliminary Design review, Stanley Consultants will address these comments as necessary in the plans. If requested, Stanley Consultants will prepare Pre Plan-in-Hand plan sets. If not, Stanley Consultants will prepare Plan-in-Hand sets assuming approval of the proposed replacement structure type and work with ELOS Environmental, LLC to prepare Solicitation of View letters to document the project's scope and potential environmental impacts. With approval, these letters will be sent to the recipient list provided by the LADOTD Environmental Section. The Stanley Consultants team will fully resolve any responses received.

Plan-in-Hand

At this point in the design process, all necessary plan sheets will be incorporated into the preliminary plan set. All sheets will continue to be developed and progressed to a 95% Preliminary Plan submittal which will be used for the Plan-in-Hand meeting. All appropriate staff from The Stanley Consultants Team will be in attendance for the Plan-In-Hand meeting on-site with DOTD and Parish representatives. Stanley Consultants will provide meeting notes within three days after the Plan-In-Hand meeting.

Post Plan-in-Hand Prints

The Stanley Consultants Team will address all comments received during the Plan-in-Hand meeting during continued development of the preliminary plans. All comments will be incorporated into the 100% Preliminary Plans submittal.

Environmental

ELOS Environmental, LLC's experienced team will conduct an on-site wetland delineation survey to assess the wetland boundaries, hydrology, vegetation and soil types to determine the wetlands within the project area. A Wetlands Delineation Report, using the latest FHWA criteria and DOTD report standards, which will document the findings and determine any impacts to wetlands within the project footprint. Should any unavoidable impacts be located, mitigation strategies will be proposed including wetland restoration or compensatory mitigation, to ensure regulatory compliance and minimize ecological impact. Wildlife impacts will also be assessed.

R/W Sketches

Using the Post Plan-in-Hand plan set, LandSource, Inc.'s experienced team will produce right-of-way sketches with required taking lines conforming to OSBR guidelines and requirements. We understand that oftentimes it is preferred to taper ROW takings for ease of maintenance, but this can be coordinated during design. Along with the sketches, right-of-way agreements will be drafted for submission to the Parish and DOTD to acquire the required right-of-way. These will be submitted with 100% preliminary plans, environmental package and Design Report, which will be sealed by the EOR and submitted to the DOTD Off-System Bridge team.

Pre-Advanced Check Prints

Once environmental clearance is given and the Notice-to-Proceed is issued for Stage 3, Part IV – Final Plans, the Stanley Consultants team will begin to develop the final plan sheet set.

Additional plan sheets will be added to the plan set as deemed necessary by the Project Manager, stemming from review of the 100% preliminary plans. At this point in the design process, our experienced bridge team will finalize the bridge structure details and pile elevations. All details will be developed at this stage, including any unique structural elements, approach slabs, bridge railing, and joint and bearing details.

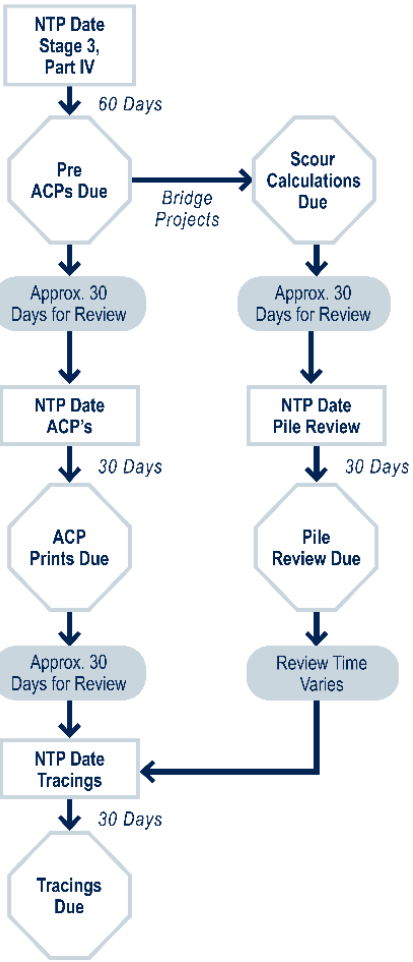
Advanced Check Prints

All comments from the Pre-Advanced Check Prints will be reviewed with DOTD personnel and addressed as needed by Stanley Consultants. Any remaining notes, details or adjustments to plans will be completed at this stage. If requested, the ACP plans will be provided to the Plan Quality Unit for review and any comments stemming from their review will be addressed. Stanley Consultants will attend a meeting with DOTD personnel to ensure all comments are addressed. Stanley Consultants will then progress to 98% Final Plans which will be prepared for review by the Chief Engineer and used by General Files to prepare the proposal. The Stanley Consultants team will be available to assist DOTD in inputting pay items and quantities into AASHTOWARE to generate final cost estimates.

100% Final Plans

Stanley Consultants will progress to provide the 100% Final Plans or Tracings per OSBR Guidelines for the Chief Engineer's signature, assuming all comments are addressed by PQU and/or the Chief Engineer. All DOTD Standard Plans and Special Details specific to each project will be provided with this submittal. A completed calculation book, original field book and the final Hydraulics Report will be included with this submittal.

Time Line for Final Plans
(Typical Project)



Stanley Consultants is also able to provide electronic delivery for any final submittal documents. All documents will conform to DOTD Software and Deliverable Standards.

QUALITY CONTROL & QUALITY ASSURANCE (QA/QC)

A QA/QC plan has been developed specifically for this project and is included in Section 21 of this proposal. Ed Wedge, PE, has been named the QA/QC Manager of this project. With over 30 years of experience with DOTD, Ed will utilize this experience to ensure all deliverables exceed DOTD standards and quality expectations.

LETTING

The Stanley Consultants Team will provide assistance to DOTD as requested during letting. This can include but not be limited to assist in responses to contractor questions, assistance in preparation of addenda, and assist in preparation of bid tabulations.

CONSTRUCTION SERVICES

The Stanley Consultants team is fully prepared to assist DOTD during the construction phase by offering construction support if requested. These services can include but not be limited to attending construction update meetings, reviewing contractor material submittals, reviewing shop drawings, and assist with RFI responses.

THE STANLEY CONSULTANTS DIFFERENCE

The Stanley Consultants Team is the ideal choice for this contract. What sets us apart from the competition?

Portfolio of Bridge Design Experience

Stanley Consultants is eager to deliver our extensive bridge design experience to the DOTD Off-System Bridge Program. Our structural design team has successfully delivered 90 bridge design projects in a span of 10 years across the country. DOTD deserves the best and most experienced structural team available to perform this project. Our structural lead, Luis Santana, PE, will deliver the expertise desired to attain the level of success DOTD demands. Luis and Blake will utilize experience gained on the S.P. No. H.015550 Pride-Baywood Rd Over Mill Creek and S.P. No. H.015545 Stoney Point Burch Over Drainage Bayou IIJA OSBR projects to the benefit of the subject advertisement.

Stanley has designed **90+ bridges** over the last **10 years**

Capacity

The Stanley Consultants Team was put together with resource capacity in mind. We wanted our team to have the capacity to successfully deliver not one, but multiple Off-System Bridge Replacement projects concurrently. Stanley Consultants has operated this way for years to deliver multiple DOTD Roadway Design projects at a high level and our goal is to be able to offer these services to the Off-System Bridge Program as well. Furthermore, we have strategically aligned ourselves with fellow consultants that have already provided these services in the Off-System Bridge Program with LandSource, Inc. and ELOS Environmental, LLC. Together, this team can execute this project at an exceptional level.

Effective Strategies for Enhancing Project Delivery

At Stanley Consultants, we firmly believe in going above and beyond compliance with minimum DOTD project delivery requirements. We pledge to undertake specific actions that will propel our DOTD PMs to new heights of success. Unlike the standard practice of providing monthly project status reports with invoices, we are committed to delivering weekly project status updates. By increasing the frequency of reports, we aim to provide our DOTD PMs with timely and relevant information that will accelerate the resolution of project challenges.

SCHEDULE

Our proposed schedule can be found on the next page. This schedule aligns with durations shown in the Off-System Bridge Program design guidelines. Should the need arise to accelerate the schedule, the Stanley Consultants team can work together with the DOTD PM to meet the project needs.

Project Schedule																							
MONTH	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Stage 3, Part I(a)																								
Topographical Survey																								
DOTD Review																								
Stage 3, Part III																								
50% Preliminary Plans & Hydarulic Analysis																								
DOTD Review																								
Pre-PIH Prints (If Required)																								
DOTD Review																								
PIH Prints																								
Field Review																								
DOTD Review																								
RPPIH, R/W, & Environmental																								
Environmental Review & Clearance																								
Stage 3, Part IV																								
Pre-ACP Prints																								
DOTD Review																								
Scour Calculations																								
DOTD Review																								
ACP Prints																								
DOTD Review																								
Pile Revew																								
DOTD Review																								
Tracings																								
Construction Phase																								
Pre-Bid Activities & Const. Proposal Preperation (if desired)																								
Letting																								
Prepare Const. Contract Documents (if desired)																								
Construction Support																								

This schedule assumes submittal of all stage deliverables as outlined in LADOTD's Federal Aid Off-Ssytem Highway Bridge Program Guidlines. A compressed schedule or lessened deliverables would shorten the delivery time of the average project. = continued

SECTIONS 19-23

Pride Baywood Rd over Mill Creek - Project Existing Conditions (Subconsultant)

19. Workload

Firm(s)	Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
Stanley Consultants, Inc.	Road	44-23943; H.009892	US 90 FR: Exit to LA 329	$324,466
Stanley Consultants, Inc.	Road	44-23943; H.016278	US 167: Median Improvements	$380,019
Stanley Consultants, Inc.	Road	44-23943; H.014886.5	US 90: Lafitte Ave to France Rd	$278,176
Stanley Consultants, Inc.	Road	44-27093; H.016141	LA 353: Cypress Isl Ext-LA 31	$88,826
Stanley Consultants, Inc.	Road	44-27093; H.016110	LA 31: LA 94 – LA 341	$226,959
Stanley Consultants, Inc.	Road	44-23943; H.013941	LA 724: Roundabout at Landry Rd	$98,979
Stanley Consultants, Inc.	Road	44-24307; H.015052	I-20 Widening/Ovrly (Vancil Rd-LA 34)	$75,000
Stanley Consultants, Inc.	Road	44-27093; H.014041	Inter. Imp. on LA 92 @ LA 733 & Gallet Rd.	$197,000
Stanley Consultants, Inc.	Road	44-28432; H.015569.5	LA 44: I-10 Roundabouts	$780,160
Stanley Consultants, Inc.	Road	44-23943; H.012633	LA 1088 Forest Brook Blvd Roundabout	$368,412
Stanley Consultants, Inc.	Road	44-27093; H.015849	US 190: R-Cut @ LA 741	$161,277
Stanley Consultants, Inc.	Road	44-23943; H.009892	US 90 FR: Exit to LA 329	$324,466
Stanley Consultants, Inc.	Road	44-27093; H.014824	US 90 @ Wax Lake	$278,574
Stanley Consultants, Inc.	Road	44-27093; H.015847	US 90: LA 668 to LA 318	$357,208
Stanley Consultants, Inc.	Road	44-27093; H.015949	LA 335: E JCT LA 694 – LA 14	$135,530
Stanley Consultants, Inc.	Road	44-27093; H.016055	LA 83: US 90 – Darnall Rd	$13,761
Stanley Consultants, Inc.	Road	44-27093; H.016052	LA 96: LA 347 – LA 352	$19,140
Stanley Consultants, Inc.	Road	44-27735; H.014056	I-69 Frontage Road Connector (Stonewall Frierson)	$200,000
Stanley Consultants, Inc.	Road	44-27735; H.005184	I-69 Frontage Rd (Stonewall to Ellerbe Rd)	$485,000
Stanley Consultants, Inc.	Road	44-27735; H.014054	I-69 Frontage Rd (Ellerbe Rd to LA 1)	$530,000
Stanley Consultants, Inc.	CE&I/OV	44-23943; H.01137 & H.013866	I-12 Construction Services	$37,257

Firm(s)	Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
Stanley Consultants, Inc.	CE&I/OV	44-23943; H.010960.6	LA 30 Roundabouts @ Tanger Mall & I-10 Construction Support	$63,621
Stanley Consultants, Inc.	CE&I/OV	44-23943; H.011909.6	US 171 Roundabout at Boone St. Construction Support	$65,366
Stanley Consultants, Inc.	Other (Project Management)	44-24307; H.015052	I-20 Widening/Ovrly (Vancil Rd-LA 34)	$25,000
Stanley Consultants, Inc.	Other (Project Management)	44-28432; H.015569.5	LA 44: I-10 Roundabouts	$42,000
Stanley Consultants, Inc.	Other (Project Management)	44-27735; H.014056	I-69 Frontage Road Connector (Stonewall Frierson)	$267,498
Stanley Consultants, Inc.	Other (Project Management)	44-27735; H.005184	I-69 Frontage Rd (Stonewall to Ellerbe Rd)	$294,324
Stanley Consultants, Inc.	Other (Project Management)	44-27735; H.014054	I-69 Frontage Rd (Ellerbe Rd to LA 1)	$291,747
Stanley Consultants, Inc.	Other (Trial Services)	32184S-T001; H.011909	US 171 – Trial Services	$7,000
Stanley Consultants, Inc.	Other (Real Estate)	32184S-T002; H.011909	US 171 – Property Report	$3,200
Stanley Consultants, Inc.	Bridge	44-24307; H.015052	I-20 Widening/Ovrly (Vancil Rd-LA 34)	$10,000
Stanley Consultants, Inc.	Bridge	44-25029; H.015545	Stoney Point Burch over Drainage Bayou	$14,892
Stanley Consultants, Inc.	Bridge	44-25029; H.015550	Pride-Baywood Over Mill Creek	$14,892
Stanley Consultants, Inc.	Bridge	44-27735; H.005184	I-69 Frontage Rd (Stonewall to Ellerbe Rd)	$123,138
Stanley Consultants, Inc.	Bridge	44-27735; H.014054	I-69 Frontage Rd (Ellerbe Rd to LA 1)	$96,000
Stanley Consultants, Inc.	Traffic	44-27735; H.014056	I-69 Frontage Road Connector (Stonewall Frierson)	$184,114
Stanley Consultants, Inc.	Traffic	44-27735; H.005184	I-69 Frontage Rd (Stonewall to Ellerbe Rd)	$147,000
Stanley Consultants, Inc.	Traffic	44-27735; H.014054	I-69 Frontage Rd (Ellerbe Rd to LA 1)	$191,270
LandSource, Inc.	No current DOTD projects			N/A
ELOS Environmental, LLC	Environmental	44-19337; H.014245	LA-119 Bayou Pierre and Creek Bridges	$15
ELOS Environmental, LLC	Environmental	44-19337; H.014246	LA-1199 Creeks & Spring Creek	$18

Firm(s)	Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
ELOS Environmental, LLC	Environmental	44-19337; H.014247	LA-399 Creeks, Little 6 Mile Creek, Flat Branch	$26
ELOS Environmental, LLC	Environmental	44-19337; H.014248	LA-124 Creeks, Broke Leg Bayou, Boggy Bayou	$14
ELOS Environmental, LLC	Environmental	44-19337; H.014248.5	LA-124 On-site Detours - Supplemental Task Order	$10
ELOS Environmental, LLC	Environmental	44-19337; H.014249	LA-126 Creek	$849
ELOS Environmental, LLC	Environmental	44-19337; H.014242.5	LA-124 Bridges/Detours – Supplemental Task Order	$21,472
ELOS Environmental, LLC	Environmental	44-19337; H.014250	LA-577 Bull Bayou and Creek Bridges	$37
ELOS Environmental, LLC	Environmental	44-19337; H.014268	LA-4 Creeks, Bear, Squirrel, Sugar, Bill's and Lost Creek Relief	$30
ELOS Environmental, LLC	Environmental	44-19337; H.014268.5	LA-4 Creeks, Bear, Squirrel, Sugar, Bill's and Lost Creek Relief – Additional Tasks	$54
ELOS Environmental, LLC	Environmental	44-27734; H.014362	Lake Road in St. Tammany Parish	$22,812
ELOS Environmental, LLC	Environmental	44-25041; H.015429	Carroll Ave, Middle Colyell Creek - IIJA Off-System Bridges District 62	$25
ELOS Environmental, LLC	Environmental	44-25041; H.015430	Hood Rd, Middle Colyell Creek - IIJA Off-System Bridges District 62	$15
ELOS Environmental, LLC	Environmental	44-25041; H.015431	Sawmill Rd, Unnamed Creek - IIJA Off-System Bridges District 62	$17
ELOS Environmental, LLC	Environmental	44-25041; H.015432	M. Williams Rd, Spring Creek - IIJA Off-System Bridges District 62	$17
ELOS Environmental, LLC	Environmental	44-25041; H.015433	George Jenkins Rd, Berrys Creek - IIJA Off-System Bridges District 62	$16
ELOS Environmental, LLC	Environmental	44-25041; H.015434	Mitch Rd, Peters Creek - IIJA Off-System Bridges District 62	$8
ELOS Environmental, LLC	Environmental	44-21326	DOTD Stage 0 IDIQ-LA 3089 Serve RD/ LA 70 Up	$2,760
ELOS Environmental, LLC	Environmental	44-19337; H.014243	LA-472 Indian and Big Bear Creek	$18

20. Certifications/Licenses

STANLEY CONSULTANTS, INC.

Name	Type	City	Status
STANLEY CONSULTANTS, INC.	Business Corporation (Non-Louisiana)	MUSCATINE	Active

SECRETARY OF STATE (SOS) SCREENSHOTS

Name	Type	City	Status
STANLEY CONSULTANTS, INC.	Business Corporation (Non-Louisiana)	MUSCATINE	Active

Name	Type	City	Status
LANDSOURCE, INC.	Business Corporation	BATON ROUGE	Active

Name	Type	City	Status
ELOS ENVIRONMENTAL, LLC	Limited Liability Company (Non-Louisiana)	WILMINGTON	Active

21. QA/QC Plan

Please see the attached QA/QC Plan behind this sheet.

Stanley Consultants INC.

Connect. Create. Contribute.

QA/QC Plan

Angus Ave Over Drainage Canal
East Baton Rouge Parish, Louisiana
Louisiana Department of Transportation and Development

Contract No.: 4400030642
State Project No.: H.015975.5
F.A.P. No.: H015975

August 2025

Prepared by: Blake Roussel, PE, PMP

Table of Contents

Tables

No table of figures entries found.

Figures

Section 1 General

1.1 Scope

This document describes procedures and guidelines for implementing quality control on the "Angus Ave Over Drainage Canal" project. The Quality Control Manual of Stanley Consultants Inc. was used as a guide in preparing this Quality Control (QC) Plan. Certain portions were modified to meet specific aspects of this project.

1.2 Purpose

The purpose of this QA/QC program is to facilitate the preparation of accurate and complete high-quality drawings, calculations, and related documents furnished under the scope of work by establishing and implementing procedures, responsibilities and relationships for members of the Project Team. Responsibility for performing QC/QA on our projects is the sole responsibility of Stanley Consultants. DOTD is not responsible for performing QC/QA of our work.

We intend to provide a professional product that is understandable, reliable, technically complete and in compliance with regulatory constraints, while at the same time adhering to our profession's standard of care.

1.3 Definitions of Terms & Roles

For this QA/QC Plan, the definitions of QA/QC will be defined as the following as a part of the QA/QC process.

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

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

Stanley Consultants Project Team members have responsibility for the accuracy and completeness of the contract documents prepared for this project and shall check all materials accordingly. Team members shall take responsibility for items they are qualified to handle and refer to the next higher level those items which exceed their qualifications or for which higher-level review is required. Below is a list of the roles and their corresponding responsibilities for this project and the QA/QC plan.

Project Manager/Team Leader: A supervising professional engineer licensed by the State of Louisiana and possesses extensive experience in the design of similar structures. Responsible for assembling the project team by assessing the technical knowledge and experience required for the project. Furthermore, responsible for identifying team members' responsibility in the QA/QC plan process.

Designer: A professional engineer licensed by the State of Louisiana directly responsible for the development of design calculations, drawings, special provisions including non-standard items, and cost estimate.

Design Checker: A professional engineer licensed by the State of Louisiana responsible for performing a full technical review of the design calculations, drawings, special provisions including non-standard items, and cost estimate.

Detailer: A professional individual directly responsible for the creation of CAD drawings.

Detail Checker: A professional individual directly responsible for performing a complete review of the CAD drawings.

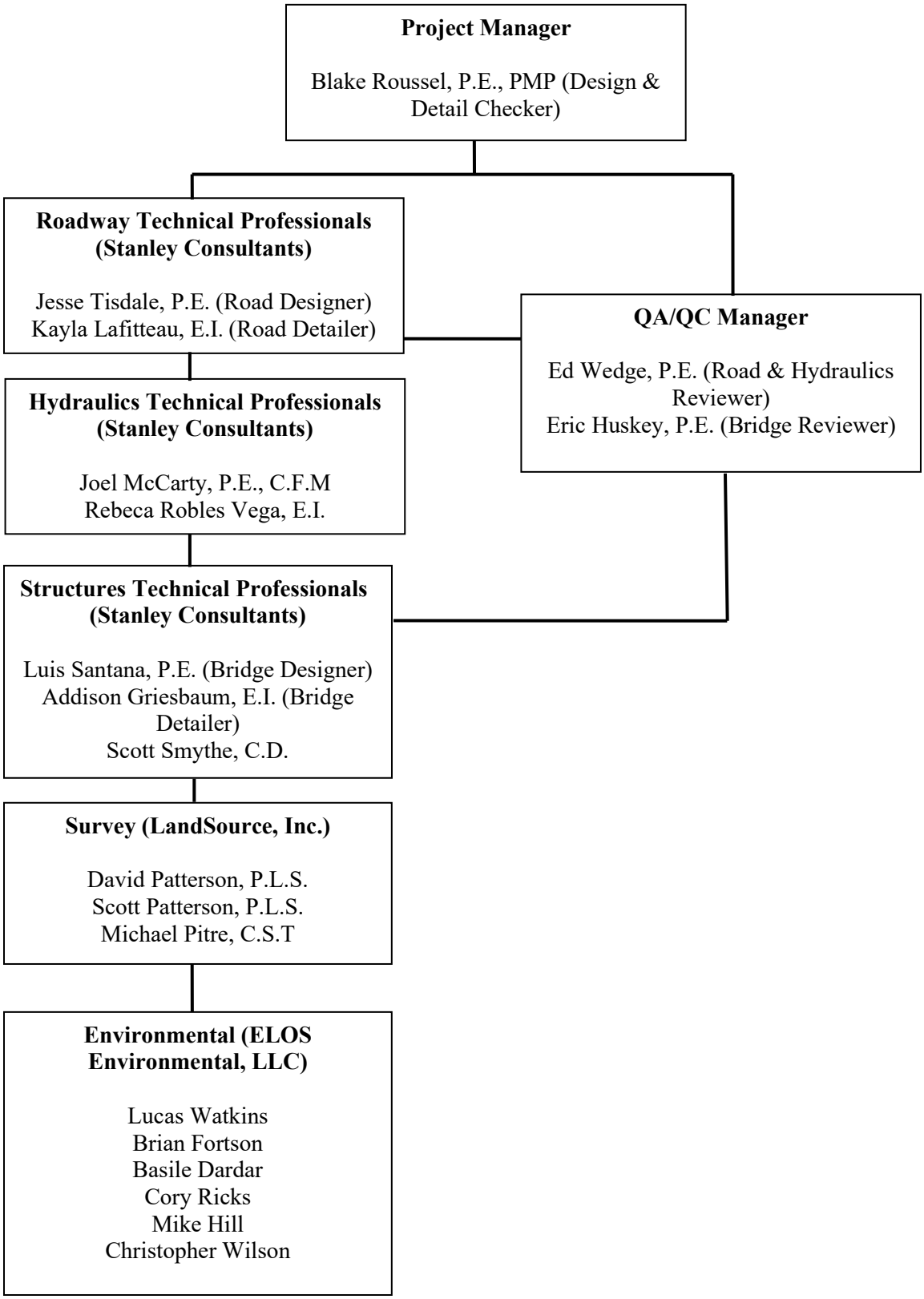
Reviewer: A professional engineer licensed by the State of Louisiana with substantial experience, responsible for ensuring that the QC process is complete, and the design calculations, drawings, special provisions, and cost estimate are in accordance with LADOTD Bridge Design practices, policies, and procedures.

Engineer of Record (EOR): A professional engineer licensed in the State of Louisiana with commensurate experience in the design of similar structures. Responsible for the following:

- Supervision and/or preparation of plans, sealing calculations, plans, and special provisions.
- Ensure the QC/QA certification is signed by all responsible parties. Ensure the geotechnical design information shown on bridge plans is co-stamped by a Geotechnical Engineer and the hydraulic information shown on bridge plans is co-stamped by a Hydraulic Engineer. If practical, the hydraulic information and geotechnical information should be presented on separate sheets to reduce the engineering stamps on a sheet. When more than one engineering stamp is required on a sheet, the responsibilities for each engineering stamp shall be clearly defined.
- Assemble design calculations 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 calculation book.
- Ensure the names of the designer, design checker, detailer, detail checker, and reviewer are correctly shown on the title block of each plan sheet. Stamp all plan sheets or designate a designer, design checker, or reviewer who shall be licensed by the State of Louisiana as a professional engineer to stamp the sheets developed under their supervision. The EOR must stamp the general notes sheets.
- Ensure all special provisions are accurately shown on the construction proposal. The special provisions are typically stamped by the Specification Engineer as part of the construction proposal; however, if the Specification Engineer is not qualified or not willing to stamp the special provisions, the EOR must stamp these provisions.

Subconsultants: Other professional engineering, environmental or surveying firms contracted by Stanley Consultants to perform specific project scope are responsible for their own detailed QC review prior to submittal to Stanley Consultants. Stanley Consultants will incorporate subconsultant submittals into the overall project QC process.

Figure 1-1: "ANGUS AVE OVER DRAINAGE CANAL" QA/QC Team



Section 2 QA/QC Process Overview

2.1 Introduction

Stanley Consultants will follow the general QA/QC process as stated in the LADOTD Bridge Design and Evaluation Manual and complying with FHWA and AASHTO guidelines set forth by via the "Guidance on QC/QA in Bridge Design in Response to NTSB Recommendation" .

2.2 QA/QC Process

Step 1: Selection of a Qualified Design Team

Stanley Consultants has identified a team available and prepared to perform the design services as outlined for the "Angus Ave Over Drainage Canal" project. The project manager has identified the personnel with the knowledge and experience appropriate for a project of this size. Our personnel and role within the project and QA/QC process is shown in the previous section. The design criteria will follow the requirements found in *Appendix A*.

Step 2: Development of Project Design Criteria

Prior to the start of design, Stanley Consultants will participate in the project kickoff meeting. We will coordinate with the LADOTD Project Manager to provide information that addresses all items on the kickoff meeting agenda checklist, found in *Appendix F*, prior to the project kickoff meeting taking place. Stanley Consultants' project manager will develop a design criteria specific for the project and submitted for LADOTD review and during the project. All design assumptions made, or design exemptions obtained will be listed in the design criteria and referenced in the calculations and drawings as necessary. The design criteria will follow the requirements found in *Appendix A*.

Step 3: Development of Designs and Plan Details by the Designer and the Detailer

During the design process, the designer will follow the pre-approved design criteria established for the project. The bridge type, size and location will be developed first and approved by the Project Manager before proceeding with the design of structural components. The design calculations will be organized and maintained in a standard calculation book format. Additionally, the calculation book will include at a minimum the requirements found in the Final Calculation Book Checklist and follow the procedures outlined in Section 4 – Calculations of this plan.

Step 4: Quality Control (QC) of Designs and Plan Details by the Design Checker and the Detail Checker

The design checkers will verify the accuracy of the designer's calculations, pay items, quantities, special provisions including Non-Standard items, and cost estimate. The design checkers will utilize the guidelines and procedures outlined in Sections 4 – Calculations and 5 – Drawings of this plan to perform the checks.

The design checkers will begin their QC at the completion of the entire design/detail process. Any discrepancies or disagreements between the designer/detailer and the checker that are not resolved by those involved, the issue will be brought to the attention of the project manager for arbitration.
At 95% Final Plans stage, QC will be considered complete, and the QA information package will be prepared. The requirements of the QA information package are included in *Appendix C.*
This step will be repeated prior to every milestone submittal for the project.

Step 5: Quality Assurance (QA) of Designs and Plan Details by the Reviewer

During the QA portion the reviewer will perform a cursory review of all documents in the QA information package submitted by the designer. This review will focus on the constructability of the plan details, areas of critical structural importance; areas where, based on the reviewer's experience, mistakes may be typically found; and areas that may be new to the design practice. If necessary, the reviewer may produce independent calculations to verify submitted information. The reviewer will provide feedback to the designer as needed. Completion of the QA process will be at the 98% final plans stage and the design calculations, plan details, special provisions and cost estimate will be considered final. The reviewer will utilize the guidelines and procedures outlined in Sections 4 - Calculations and 5 - Drawings of this plan. At this point, the Stanley Consultants Project Manager will use the consultant submittal review checklist, found in *Appendix G*, to ensure all deliverables are complete and to the expectation of the LADOTD Project Manager prior to each milestone submittal.

This step will be repeated prior to every milestone submittal up to 98% final plans stage for the project.

Step 6: Peer Review (As Requested)

If requested by the Bridge Design Engineer Administrator, an independent peer review will be conducted. The peer review will be performed by a party not affiliated with Stanley Consultants. The peer review will be performed in order to perform a check of the designs by producing an independent set of calculations based on the drawings or as otherwise specified in the scope of work. The peer review will be performed between the 60% to 98% final plans stage or otherwise as requested. The peer reviewer will be licensed in the state of Louisiana and have adequate experience in the design of similar structures. The peer review comments will be submitted to LADOTD and the design team for evaluation. Resolutions agreed upon by all parties including the designer, peer reviewer, the project manager, and LADOTD representative. A Peer Review Resolution Agreement, found in Appendix E, will be signed by the peer reviewer, the project manager and the LADOTD representative.

Step 7: Sealing of Design Calculation Book and Plans by the Engineer of Record (EOR)

The Project Manager identified for this project will be the Engineer of Record (EOR) for this project and will be responsible for sealing the final plans and calculation book and will encompass all duties and responsibilities as identified in Section 1 of this plan.

Step 8: QC/QA for Design Activities after Final Plans are Signed by Chief Engineer

The same QC/QA process above will apply to all design activities such as plan revisions, change order, etc., occurring after the final plans are signed by the Chief Engineer.

Step 9: Archiving Bridge Design Files

The Project Manager/EOR will archive all bridge design files including calculation books, plans, special provisions, cost estimates, and other pertinent documents in accordance with the Bridge Design Section records retention policy. The Project Manager/EOR will also deliver all bridge design files to the LADOTD Bridge Task Manager no later than 30 calendar days after the stamped final plans are delivered with the signed plan revisions or change order sheets.

Section 3 Guidelines

3.1 Team Coordination

Team coordination and communications are important to the success of this project. Each team member is fully responsible for carrying out the functions associated with his or her assigned project team position. Each team member should also understand the communication channels and procedures, including reporting responsibilities.

Each member is expected to be familiar with the job requirements assigned.

Regulatory and approving agency requirements are to be determined for each project milestone submittal during the project.

Communications within the Project Team are of utmost importance. Client comments, agency requirements, changes in scope and changes in schedule are to be quickly and accurately communicated to other members of the Project Team. In-house Project Team meetings will be conducted as needed by the Project Manager. Subconsultant coordination meetings will be held as needed by the Project Manager. The frequency of the coordination meetings may be adjusted depending upon project requirements.

Coordination and planning are required to provide proper time and information for review and approval. Adequate time will be budgeted to effectively carry out this requirement. The time allocated for QC completion will be one week prior to each phase submittal.

3.2 Methods

3.2.1 Checking and Approval

Procedures for checking and approving drawings are detailed in Section 5 – Drawings. All drawings and specifications shall be checked by personnel technically competent to exercise independent judgment for that portion of the work.

3.2.2 Design Aids

Design aids can be useful tools, and their use is encouraged for this project. Each engineer is responsible for understanding the technical basis and limitations of any selected design aid. Design aids utilized for the design of the project shall be produced by nationally recognized technical organizations. When design aids are used, full referencing shall be employed so that others will be able to verify the work. Unfamiliar design aids shall be checked by alternative methods to verify their accuracy for various ranges of the problem parameters.

3.2.3 Computer

Use of computer programs is desirable for execution of repetitive or lengthy analyses and design activities. Members, in accordance with company policy, shall utilize certified computer programs and must use appropriate care so that program parameters are recognized, and the results are reviewed for reasonableness.

3.3 Operations

Correspondence with client representatives, agencies, consultants, and other parties must frequently be prepared and recorded during the project. Care is required during preparation of any written document to accurately communicate with the recipient and avoid ambiguity. All correspondence shall be concise and factual.

The Project Manager will review and approve all correspondence prior to leaving the office. The Project Manager is responsible for note taking during meetings or may delegate this task. At least one member of the project team will attend meetings and take notes. All attendees will receive copies of the meeting notes.

All correspondence received shall be date stamped and sent to the Project Manager. The Project Manager shall make any copies required for internal use and send the original to be filed and scanned as a pdf file for project record folder.

Handling Project Problems: A positive "feedback" system is required so that project problems associated with the design process are communicated to the Project Manager.

Review of project problems is required to:

- Determine the adequacy of corrective measures.
- Avoid disruption of Client relations resulting from inadequate or inappropriate response to the situation.
- Take measures to avoid recurrence of the problem on subsequent projects.

Section 4 Calculations

4.1 Scope

Neat, systematic and complete calculations shall be completed for each project task. Special attention shall be given to documenting design references, sketches and notes that will permit others to easily review the basis of computations.

Procedures and guidelines for preparing, checking and approving computations, including manually produced calculations, calculation aid programs, spreadsheets, database and programmed applications are described as follows.

4.2 Procedures

4.2.1 Preparation

Complete the heading information including Preparer's Name and Date, Project Number, Subject, and "Sheet-of-Number." Computer-generated computational printouts shall also include the application program name and version, SC program number (if any), filenames, file locations (i.e. CD ID and path name), and spaces for Project No., Page No., Preparer, Checker and Approver names, and dates. Computations shall be done in black color.

Computer application programs:

- Computer programs certified by Stanley Consultants are recommended for use.
- Other computer programs must have Project Manager and require additional checking and verification.

Provide complete references including sources of data, methods used in computations, design aids and standards when used, and computer programs when used.

When a formula is first used in a computation, write out complete formula and identify all parameters and units. If formula is reduced or modified for subsequent use, show development of reduced or modified form. Spreadsheets and calculation aid programs must meet this requirement.

Identify all input data and source.

Indicate final answers or results used by underlining or boxing. When alternative results are shown, place the word “USE” or “USED” adjacent to the results used. For computations involving several design conditions, provide final summary tabulation of results of the computation.

Unusual or complex computations require three separate individuals, qualified to exercise independent judgment, for the preparation, checking and approval functions. Other computations may be prepared, checked and approved by two members qualified to exercise independent judgment for the work, where the preparation/approval functions or the checking/approval functions are by the same individual, as indicated by separate signatures for both functions. Preparer's signature may be computer generated; others are handwritten on record copy of computation.

Deleted computations, that are to be retained, shall be marked “SUPERSEDED,” with void date, and shall reference the revised computation.

4.2.2 Checking

- Check for accuracy and applicability of fundamental data, assumptions, and methods.
- Checking performed for accuracy of mathematics only is marked “MATH ONLY.”

- Check for completeness of computations.
- Check input data for certified computer programs and for spreadsheet programs that have been independently checked.
- Check all data (input and output) for non-certified computer programs and for spreadsheet programs that have not been independently checked.
- Check for reasonableness of results.
- Preparer “back-checks” corrections and changes and reconciles differences between original and corrected computations.
- Complete the check of computations prior to release to Client.
- Checker places handwritten signature and date on record copy of computation.
- Approval
- Reviewer is responsible for determining that preparation and checking procedures have been followed and verifies that points listed under "checking" above are satisfied.
- Reviewer makes critical examination of quality of work and methods used. Approver shall review comps checked for “MATH ONLY” for applicability of fundamental data and assumptions.
- Reviewer places handwritten signature and date on record copy of computation.
- Reviewer of a computation, although preferable, need not be the Discipline Approver for this project.

4.2.3 Indexing and Binding

All computations will be retained in the General Design folder in the project file.

Use covers for binding sets of computations; make appropriate entries as to project number, project description, client name, location of the project, and type of computation on bound volume cover.

4.2.4 Guidelines

Use of forms, calculation sheets or macros prepared by Stanley Consultants is encouraged.

Prepare and maintain neat, well-organized computations to facilitate checking and approval.

Computations should be prepared, checked and approved so they are suitable for reproduction.

Evidence of step-by-step checking and approval should be used. The following colors are suggested:

- Checking: Red
- Approving: Blue

An experienced checker may occasionally perform checking by observation of results without detailed checking, provided the basis of such check is recorded and check is reviewed by Approver.

Certain computations, such as preliminary computations that will be subsequently replaced by final computations, need not be checked if agreed to by the Project Manager.

Complete the check of computations prior to results being used in drafting or in subsequent design decisions. The Project Manager may take responsibility for deviation from this procedure for routine computations.

Exclude extraneous material such as copies of correspondence from the bound computations.

Retention of computer files is encouraged, including copies of files furnished by others or transmitted to others.

Section 5 Drawings

5.1 Scope

Procedures and guidelines for checking, approving and signing drawings are described as follows.

5.2 Procedures

All phase submittals will be preceded by an in-house QC (see Section 3 - Guidelines), at which time qualified persons will be designated as checkers to perform a thorough check of the plans using the appropriate checklists.

The Designer will provide all the necessary materials to the Project Manager who will give it to the checker after verifying for completeness. These materials will include the QC Plan Set, the QC Checklist, Summary of Quantities Boxes, Pavement Design Package, etc., as needed by the checker to perform his QC. All design back-up calculations will be checked and approved by the Project Manager as necessary (see Section 4 - Computations). The checker will follow and complete the appropriate QC checklist to check the QC plan set.

5.2.1 Definitions

- Work Plot: A plot made in the developmental stages of a drawing. It is to be used to develop, expand, and coordinate the design. Work prints do not form the basis for a complete drawing check.
- Check Plot: A plot on which a complete, detailed, and final check of every line and figure is made at each phase review. A set of check plots is called a *QC plan set.*

5.2.2 Work Plot Procedures

Work plots are identified and numbered in consecutive order by the Designer using the appropriate work plot symbol.

When a work plot is initiated, the detailer initials and enters the work plot number and date and examines the drawing for adherence to graphics standards. The work plot is then forwarded to the designer.

The designer reviews the drawing and places appropriate comments, changes and/or additions on the current work plot. The work plot is returned to the detailer.

The detailer makes the changes/additions.

If the drawing has significant changes/additions, a new work plot is made at this point, and the work plot cycle is repeated.

When, in the opinion of the designer, the drawing is substantially complete, a check plot is initiated.

Work plots are not saved unless they become part of design calculations

5.2.3 Check Plot Procedures

When a check plot is initiated, a duplicate plot (not a check plot) is forwarded to the checker for review and comment. These comments are then forwarded to the designer for consideration and incorporation into the check plot as appropriate.

Check plots are identified using the appropriate check plot symbol.

When the check plot is initiated, the detailer initials and enters the check plot number and date; examines the drawing for adherence to graphics standards and makes appropriate notations. The check plot is then forwarded to the checker.

The checker checks the drawing for technical and dimensional accuracy, for clarity and for adherence to applicable standards, using light blue to highlight items that are correct. The checker initials and enters the date on the "Checked By" line. The check plot is returned to the detailer.

The detailer makes the changes/additions and initials and enters the date on the “Drafted By” line.

If the drawing has significant changes or additions, a new check plot is made, and the check plot cycle is repeated. If changes or additions are minor, the “back checking” may be performed from the original or from a computer screen. After the “back checking” is completed, the checker initials and enters the date on the “Back Checked By” line.

At the conclusion of the check plot procedure, there should be check plots on which all items are highlighted to indicate that a complete check has been performed.

Check plots for a revision shall utilize the same check print procedure.

A complete set of check plots, with comments by the checker generated during the QC, will be submitted. Copies of the QC plans and the checklist will remain in the project file until the project is completed.

5.2.4 Disposition of Work Prints and Check Prints

Work prints (saved as design computations) and check prints are to be bound together in order by drawing. The detailer maintains the prints until the drawings are approved, signed, copies distributed, and the report is accepted by the client. Final disposition is then determined by the Project Manager.

5.3 Guidelines

Different colors shall be used in the work plot/check plot process to facilitate review. The following colors are suggested:

- Blue: Used by the reviewer to indicate changes or additions required.
- Red: Used by the checker to indicate those changes/additions required.
- Highlighter (Blue): used to indicate that changes/additions have been drafted and to make notations to the checker. Information that is removed or moved must be noted. Each change or addition to a drawing is circled on the print as it is completed.

5.4 Approval and Signature Procedures

Assignments of responsibility for approvals and signatures shall be made at the time the project team organization is established for the project.

5.4.1 Definitions

- Designed: The member who developed the design to meet project requirements.
- Drawn: The detailer who created the drawing.
- Checked: The member who checked the drawing using the previously described check print procedures.
- Overall Project Approval: The Project Manager approves the overall content and quality of the information provided on the drawings; assumes responsibility for interdisciplinary coordination and that Client and project requirements are met; makes an independent review of the work and obtains assistance from others as necessary to confirm this approval.

5.4.2 Plotting

The detailer shall exercise care in printing computer generated drawings for final signatures and approvals, making certain that appropriate CADD level schemes, reference files, etc., are incorporated in the final prints.

Appendix A Design Criteria Checklist

APPENDIX A—DESIGN CRITERIA CHECKLIST

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

__ **Cover sheet**

The following information must be included on the cover sheet:

- LADOTD project number
- Project name
- Revision date
- The Supervisor or Team Leader's signature and date

__ **Governing Design and Construction Specifications and Other References**

A list of governing design and construction specifications and other references used for the project shall be included in this section. The edition number, interim revisions, and/or publication date must be specified for each reference.

__ **Design Assumptions and Design Exceptions**

All design assumptions and design exceptions received must be included in this section along with supporting documents.

__ **General Information**

The general information as listed below should be included in this section:

- Bridge information (no. of bridges, bridge clear width, length, no. of lanes, lane width, shoulder width, etc.)
- Road information (roadway classifications, design speed, traffic data, etc.)
- Vertical datum
- Vertical and horizontal clearances
- Other relevant information

__ **Hydraulic Design Criteria**

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

__ **Design Factors**

The ductility factor η_D, redundancy factor η_R, and operational importance factor η_I shall be listed in this section.

__ **Design Loads**

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

__ **Limit States**

All applicable limit states for this project shall be listed in this section.

__ **Bridge Barrier Railing**

The design criteria, types, and test levels for bridge barrier railings shall be listed in this section. Standard Plans should be listed if they are utilized.

__ **Guardrail**

The design criteria, types, and test levels for guardrails shall be listed in this section. Standard Plans should be listed if they are utilized.

__ **Approach Slab**

Design criteria for approach slab shall be included in this section. Standard Plans should be listed if they are utilized.

__ **Deck and Deck Drainage**

All design criteria for deck and deck drainage design shall be included in this section. Standard Plans should be listed if they are utilized.

__ **Bearing**

All bearing types and design criteria for each bearing type shall be included in this section. Standard Plans should be listed if they are utilized.

__ **Joint**

All joint types and design criteria for each type shall be included in this section. Standard Plans should be listed if they are utilized.

__ **Superstructure**

All superstructure types and design criteria for each type shall be included in this section. Standard Plans should be listed if they are utilized.

__ **Substructure**

All substructure types and design criteria for each type shall be included in this section. Standard Plans should be listed if they are utilized.

__ **Piles and Drilled Shafts**

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

__ **Geotechnical Design**

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

__ **Mechanical Design**

All mechanical design criteria shall be included in this section if applicable. Standard Plans should be listed if they are utilized.

__ **Electrical/Lighting Design**

All electrical design criteria shall be included in this section if applicable. Standard Plans should be listed if they are utilized.

__ **As-Designed Bridge Rating Criteria**

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

__ **Software**

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

Appendix B Final Calculation Book Checklist

APPENDIX B—FINAL CALCULATION BOOK CHECKLIST

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

__ **Cover Sheet**

The following information must be included on the cover sheet:

- LADOTD project number
- Project name
- The title of "Final Calculation Book"
- The EOR's seal with signature and date

__ **Final Calculation Book Check List**

__ **QC/QA Certifications**

__ **Peer Review Resolution Agreement (if peer review is performed)**

__ **Design Criteria**

__ **Final Hydraulic Analysis Report from Hydraulic Engineer**

__ **Final Geotechnical Analysis Report from Geotechnical Engineer**

__ **Superstructure Design Calculations**

__ **Substructure Design Calculations**

__ **Quantity Calculations**

__ **Special Provisions/NS-Items**

__ **Construction Cost Estimate**

__ **As-Designed Rating Report**

__ **List of All Final Electronic Design Files and File Locations (ProjectWise directory name)**

Consultants shall submit the final calculation book to LADOTD bridge task managers; the submittal shall be on a CD or Flash Drive or placed to a designated ProjectWise folder including the following information:

__ **A PDF File of the Calculation Book (Including the As-Designed Rating Report)**

__ **All Electronic Design Files**

__ **A PDF File of the As-Designed Rating Report Only**

The final calculation book for in-house projects shall include the same files listed 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.

Appendix C QA Information Package Checklist

APPENDIX C—QA INFORMATION PACKAGE CHECKLIST

Project No.:
Project Description:

_____ Calculation Book

_____ Plans

_____ Special Provisions

_____ Cost Estimate

_____ Other Documents _____

Appendix D QA/QC Certification

APPENDIX D—QC/QA CERTIFICATION

Project No.:

Project Name:

We, the undersigned designers, detailers, checkers and reviewers for this project, have reviewed and accepted the calculations, plans, quantities, special provisions, and cost estimate prepared for the project. We certify that the work for which we are responsible has been completed in accordance with the LADOTD Bridge Design Section policy on QC/QA.

Team Members	Name	PE Registration No.	Responsible Plan Sheets	Responsible Special Provisions	Construction Cost Estimate	Signature
Designers						
Design Checkers						
Detailers						
Detail Checkers						
Reviewers						
Peer Reviewer						
Geotechnical Engineer						
Hydraulic Engineer						
EOR						

Appendix E Peer Review Resolution Agreement

APPENDIX E—PEER REVIEW RESOLUTION AGREEMENT

Project No.:

Project Name:

We, the undersigned Peer Reviewer, Supervisor or Team Leader of the design team, and LADOTD Representative for this project, have reviewed and accepted the attached peer review resolutions. We certify that the peer review has been performed in accordance with the LADOTD Bridge Design Section policy on QC/QA.

Team Members	Name	Signature
Peer Reviewer		
Supervisor or Team Leader		
LADOTD Representative		

Appendix F Consultant Project Bridge Design Kick-Off Meeting Agenda Checklist

APPENDIX H—CONSULTANT PROJECT BRIDGE DESIGN KICK-OFF MEETING AGENDA CHECKLIST

A kick-off meeting with the Consultant's bridge design team shall be initiated by the LADOTD Bridge Design Task Manager once the project is awarded. The meeting agenda shall include, but not be limited to, the following items:

__ Introduce LADOTD Bridge Task Manager and the Consultant's Key Team Members (The Supervisor or Team Leader and Key Designers/Design Checkers/Reviewers)

__ Discuss Consultant's Staffing Plan and Implementation of QC/QA Plan Document
(The staffing plan should include names and responsibilities of the designers, detailers, checkers, reviewers, and the EOR.)

__ Determine Schedules for Project Submittals
(Design Criteria, TS & L, 30%, 60%, 90%, 100% of Preliminary Plans and Final Plans, Final Calculations, etc.)

__ Share Expectations and Consultant Rating Criteria
(Consultant rating will be performed for all project submittals shown on the project submittal schedule.)

__ Discuss Design Criteria

__ Discuss Budget, Supplemental Requests, Invoices, and Importance of Avoiding Claims (Staff shown on invoices will be reviewed in accordance with the staffing plan.)

Appendix G Consultant Submittal Review Checklist

APPENDIX K—CONSULTANT SUBMITTAL REVIEW CHECKLIST

Items	Submittals												
	Design Criteria	**TS&L**	**30% PP**	**60% PP**	**90% PP**	**100% PP**	**30% FP**	**60% FP**	**90% FP**	**100% FP**	**Final Calculation Book**	**Plan Revisions**	**Change Orders**
Consultant Submittal QC/QA Certification			R	R	R	R	R	R	R	R	R	R	R
Design Criteria	C												
TS&L		C											
Bridge Index			D	D	D	D	D	D	C	S			
General Notes			D	D	D	D	D	D	C	S			
Summary of Estimated Quantities			D	D	C	C	D	D	C	S			
General Plans			D	D	C	C	C	C	C	S			
Typical Sections			D	D	C	C							
Superelevation Diagram				D	D	C	C	C	C	S			
Construction Phasing Details				D	D	C	C	C	C	S			
Traffic Controls Details				D	D	C	C	C	C	S			
Foundation/Pile Layout				D	D	C	C	C	C	S			
Pile Loads/Details					D	D	D	C	C	S			
Pile Data Tables							D	D	C	S			
Bent Details							D	D	C	S			
Fender Details							D	D	C	S			
Girder Details							D	D	C	S			
Span Details							D	D	C	S			
Joint Details								D	C	S			
Bearing Details								D	C	S			
Approach Slab								D	C	S			
Guardrail Details								D	C	S			
Bridge Barrier/Railing Details								D	C	S			
Bridge Drainage Details								D	C	S			
Detour Bridge Details								D	C	S			
Revetment Details								D	C	S			
Signing/Lighting Details								D	C	S			
Year Plate								D	C	S			
Rebar Support								D	C	S			
Misc. Details								D	C	S			
Project Specific Standard Plans								D	C	S			
Electrical/Lighting Details								D	C	S			
Mechanical Details								D	C	S			
As-Built Plans								D	C	C			
Special Provisions/NS-Items							D	D	C	C			
Cost Estimate					D	D	D	D	C	C			
Final Calculations											S		
Revised Plans/Calculations												S	S

Legends:
“R” = The item is required and shall be included in the submittal.
“C” = The item shall be complete and shall be included in the submittal.
“D” = The item shall be in development and shall be included in the submittal.
“S” = The item is stamped by the EOR and shall be included in the submittal.

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22. Subconsultant Information

Firm Name (Name must match as registered with Louisiana's Secretary of State)	Address	Point of Contact and Email Address	Phone Number
LandSource, Inc.	6730 Exchequer Drive, Baton Rouge, LA 70809	David L. Patterson, PLS patterson@landsource.com	225.752.0995
ELOS Environmental, LLC	607W. Morris Ave., Hammond, LA 70403	Lucas Watkins lwatkins@elosenv.com	985.662.5501

23. Location

If location is an evaluation criterion for this advertisement and the prime consultant intends to establish a local presence, describe the plan for doing so. Otherwise, leave this section blank. Any information included in this section will be redacted if not required by the advertisement.