



LADOTD

IDIQ Contracts for Bridge Preservation Services Statewide
Contract No. 4400035420, 4400035421 and 4400035422

Statewide, LA | June 30, 2026



Genuine Ingenuity

10000 Perkins Rowe
South Tower - Suite G520
Baton Rouge, LA 70810

225.757.5849
GreshamSmith.com

Gresham Smith

June 30, 2026

Ms. Paulette Territo
Consultant Contract Services Administrator
LADOTD
1201 Capitol Access Road, Room 405-E
Baton Rouge, LA 70802

Re: Advertisement For Engineering And Related Services
Contract No. 4400035420, 4400035421 and 4400035422 - IDIQ Contracts for Bridge Preservation Services Statewide

Dear Ms. Territo:

Gresham Smith has been honored to partner with LADOTD for a variety of projects in the past. For over the past ten years, we have teamed with LADOTD on a wide array of projects from bridge inspection and design to program management through both standalone projects and IDIQs. Our key local staff all have experience successfully delivering these projects for the department and we look forward to the opportunity to continuing to do so under this IDIQ Contract for Bridge Preservation Services. From our Baton Rouge office, and also at the corporate level, we share in the stake that the LADOTD holds in carrying out its responsibilities in the most effective manner possible.

Gresham Smith's has successfully executed numerous bridge repair and rehabilitation projects across Louisiana, Mississippi, Texas, Kentucky, Tennessee, Georgia, Florida and Alabama. For this contract we have compiled a very experienced team to address numerous concurrent tasks and any situation that may arise. Modjeski and Masters (M&M), Moffatt and Nichol (M&N), Forte & Tablada (F&T) and Volkert will all support Gresham Smith bridge inspection, design and load rating tasks. M&M will also lead any electrical, structural and mechanical work for movable bridges. F&T will provide surveying and drone services. Ardaman and Associates will provide geotechnical services, BDI and KTA will provide testing and Volkert and Gulf South Research Corporation will provide environmental services.

- Project Executive (Principal) Herbert "Bert" Moore II, P.E., PLS, PTOE, will manage this contract from our Baton Rouge office, where the work will be performed. Bert will ensure the team has any resources necessary to complete all tasks under this contract within time and budget constraints.
- Project Manager, Courtney Rome, P.E., a Certified Bridge Inspector, leads the local bridge design, inspection and load rating team. Drawing on eight years of foundational experience with the Arkansas Transportation Bridge Department, he brings over 15 years of comprehensive expertise in design, rehabilitation, and inspection of bridge infrastructure. His technical expertise includes the structural design of bridges, culverts, and retaining walls; performing detailed bridge load ratings and inspections; implementing repair and rehabilitation strategies; conducting bridge hydraulics and hydraulic drainage analyses; preparation of bid packages; project management; and provision of construction support services. He maintains extensive experience working with several State Transportation Departments, including LADOTD, MDOT, TDOT, ARDOT, GDOT, KYTC, and FDEP.



- Deputy Project Manager Tom Tran, P.E. currently serves as Gresham Smith's Bridge Services Technical Leader and Georgia Department Leader and brings more than 33 years of project management, bridge maintenance/rehabilitation and design experience, including bridge inspection and load rating. A significant part of Tom's experience has centered on bridge rehabilitation/preservation throughout the Southeast.
- Technical Resource Adam Davidson, P.E., is Gresham Smith's Bridge Services Leader who has been involved with the design, inspection, rehabilitation, construction engineering and management of bridge projects for over 25 years. This experience has included a variety of structure types and materials in support of projects for federal and state agencies across the eastern half of the United States and various other local communities, private entities, and governmental agencies both nationally and internationally.
- Brennon Hughes, P.E., Richard Savoie, P.E., Alben Cooper, P.E. PTOE and Rebecca Murray, P.E., PTOE, RSP1 will support the team with roadway design, plan development and traffic engineering as needed throughout this project.

Our team is aligned to provide the perfect blend of highly qualified staff and workforce availability. We can assure the stakeholders that we will deliver the project on-time with high quality. We respectfully ask for your consideration and appreciate the opportunity to present this proposal. Please feel free to contact me with any questions. You may reach me by phone at 225.757.5849 or by email at bert.moore@greshamsmith.com.

Sincerely,

Herbert "Bert" Moore II, P.E., PLS, PTOE
Regional Transportation Leader - Gulf

**Gresham
Smith**

DOTD FORM: 24-102

(Revised August 11, 2025)

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 title as shown in the advertisement	IDIQ Contracts for Bridge Preservation Services Statewide
2. Contract number(s) as shown in the advertisement	4400035420, 4400035421, and 4400035422
3. State Project Number(s), if shown in the advertisement	N/A
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)	 Gresham Smith
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.0003429 DUNS number: 059153676
6. Prime consultant mailing address	10000 Perkins Rowe, South Tower - Suite G520, Baton Rouge, LA 70810
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	10000 Perkins Rowe, South Tower - Suite G520, Baton Rouge, LA 70810
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Herbert "Bert" Moore, II, P.E., PLS, PTOE Regional Transportation Leader - Gulf 225.757.5849 / bert.moore@greshamsmith.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Herbert "Bert" Moore, II, P.E., PLS, PTOE Regional Transportation Leader - Gulf 225.757.5849 / bert.moore@greshamsmith.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.

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.

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



Date: June 30, 2026

Firm(s): Firm(s)' %:

12. Past Performance Evaluation Discipline Table:

Discipline(s)	% of Overall Contract	Gresham Smith (Prime)	Moffat and Nichol (Sub)	Modjeski and Masters (Sub)	Forte and Tablada (Sub)	Volkert (Sub)	Ardaman & Associates (Sub)	KTA-Tator Inc. (Sub)	GSRC (Sub)	BDI (Sub)	Each Discipline must total to 100%
Bridge	70%	51.4%	17.1%	17.1%	5.8%	5.8%		1.4%		1.4%	100%
Environmental	4%					75%			25%		100%
Geotech	6%						100%				100%
Road	10%	100%									100%
Survey	5%				100%						100%
Traffic	5%	100%									100%
Identify the percentage of work for the overall contract to be performed by the prime consultant and each sub-consultant.											
Percent of Contract	100%	51.0%	12.0%	12.0%	9.0%	7.0%	6.0%	1.0%	1.0%	1.0%	100%

13. Team 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)
Gresham Smith	Administrative	1	2
Gresham Smith	Clerical	1	2
Gresham Smith	Designer	1	4
Gresham Smith	Engineer	4	12
Gresham Smith	Engineer – Other	4	12
Gresham Smith	Engineer Intern	4	16
Gresham Smith	Principal	1	2
Gresham Smith	Senior Technician	2	8
Gresham Smith	Supervisor – Engineer	2	12
Gresham Smith	Supervisor – Other	2	12
Ardaman & Associates, Inc.	Administrative	1	1
Ardaman & Associates, Inc.	CADD Technician	2	2
Ardaman & Associates, Inc.	Clerical	1	2
Ardaman & Associates, Inc.	Engineer	1	6
Ardaman & Associates, Inc.	Engineer Intern	3	6
Ardaman & Associates, Inc.	Principal	2	3
Ardaman & Associates, Inc.	Senior Technician	8	9
Ardaman & Associates, Inc.	Supervisor - Eng	3	3
Ardaman & Associates, Inc.	Supervisor - Other	3	4
Ardaman & Associates, Inc.	Technician	11	15
Bridge Diagnostics, Inc.	Accountant	2	3

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Bridge Diagnostics, Inc.	Administrative	1	1
Bridge Diagnostics, Inc.	Clerical	2	2
Bridge Diagnostics, Inc.	Computer Analyst	3	3
Bridge Diagnostics, Inc.	Engineering-Aide	3	3
Bridge Diagnostics, Inc.	Engineer Intern	3	8
Bridge Diagnostics, Inc.	Engineer	3	3
Bridge Diagnostics, Inc.	Engineer Other	3	7
Bridge Diagnostics, Inc.	Principal	1	2
Bridge Diagnostics, Inc.	Professional	2	4
Bridge Diagnostics, Inc.	Senior Technician	4	4
Bridge Diagnostics, Inc.	Supervisor - Eng	2	2
Bridge Diagnostics, Inc.	Supervisor - Other	4	12
Bridge Diagnostics, Inc.	Technician	3	5
Forte and Tablada, Inc.	CADD Technician	1	2
Forte and Tablada, Inc.	Instrument Man	2	2
Forte and Tablada, Inc.	Party Chief	2	4
Forte and Tablada, Inc.	Principal	1	2
Forte and Tablada, Inc.	Rodman	1	2
Forte and Tablada, Inc.	Senior Technician	1	2
Forte and Tablada, Inc.	Surveyor	2	4
Gulf South Research Corporation	Biologist/Wetlands	4	8
Gulf South Research Corporation	Clerical	2	2
Gulf South Research Corporation	GIS Analyst	2	2
Gulf South Research Corporation	Other (NEPA) Archaeologists	2	4

Gulf South Research Corporation	Supervisor - Other	4	6
KTA-Tator, Inc.	Clerical	1	4
KTA-Tator, Inc.	Principal	1	2
KTA-Tator, Inc.	Supervisor - Other	2	10
Modjeski and Masters, Inc.	CADD Operator	1	1
Modjeski and Masters, Inc.	CADD Technician	1	5
Modjeski and Masters, Inc.	Clerical	1	2
Modjeski and Masters, Inc.	Engineer	2	13
Modjeski and Masters, Inc.	Engineer Intern	2	11
Modjeski and Masters, Inc.	Engineer – Other	0	9
Modjeski and Masters, Inc.	Principal	1	8
Modjeski and Masters, Inc.	Professional	0	2
Modjeski and Masters, Inc.	Senior Technician	1	2
Modjeski and Masters, Inc.	Supervisor – Engineer	5	11
Modjeski and Masters, Inc.	Supervisor – Other	0	3
Modjeski and Masters, Inc.	Technician	1	2
Moffatt & Nichol Inc.	Administrative	1	4
Moffatt & Nichol Inc.	CADD Technician	1	15
Moffatt & Nichol Inc.	Engineer	2	29
Moffatt & Nichol Inc.	Engineer Intern	3	10
Moffatt & Nichol Inc.	Inspector – Bridge	6	35
Moffatt & Nichol Inc.	Principal	1	7
Moffatt & Nichol Inc.	Senior Technician	1	13
Moffatt & Nichol Inc.	Supervisor - Eng	2	11

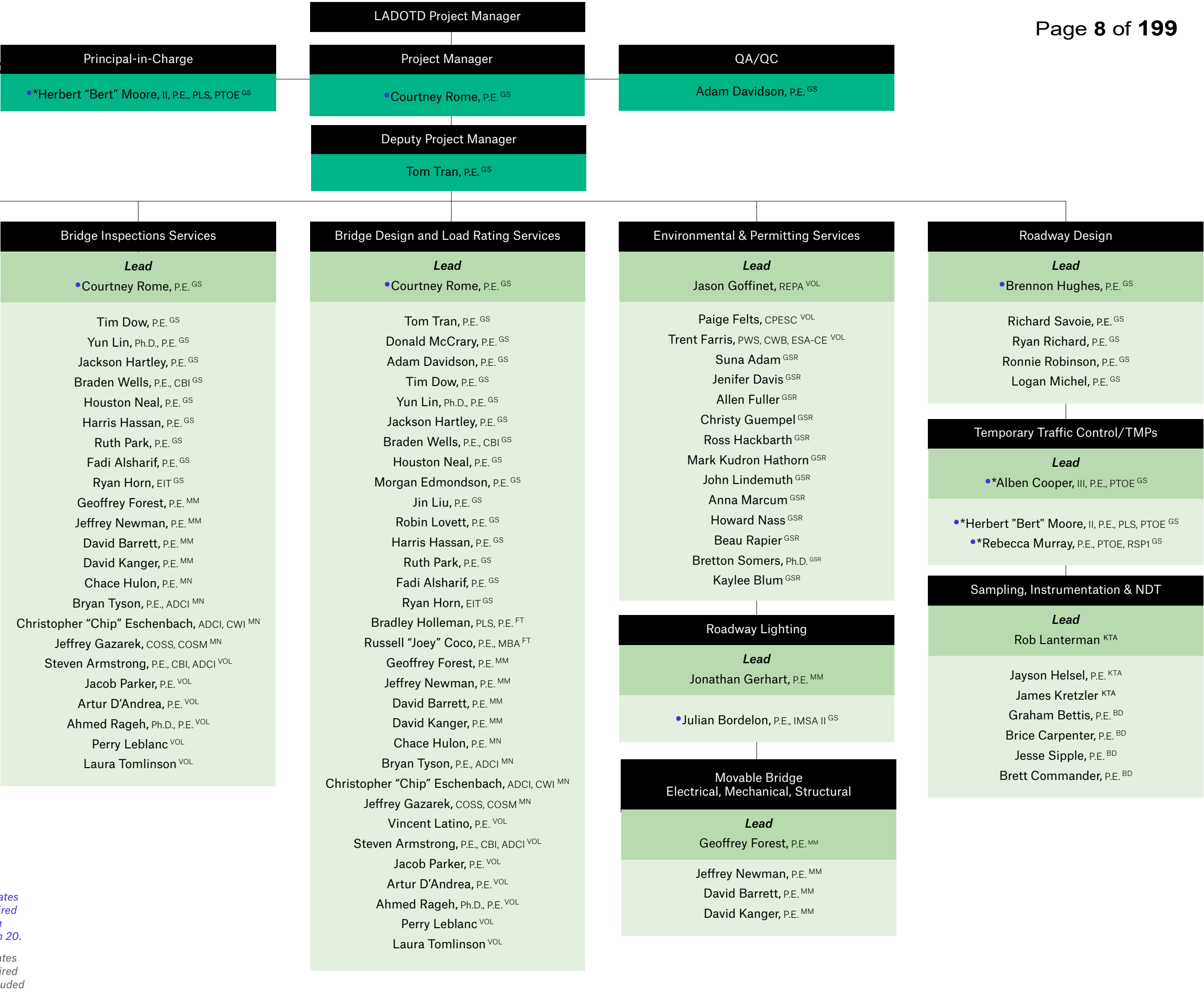
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Volkert, Inc.	CADD Technician	4	26
Volkert, Inc.	Engineer	6	37
Volkert, Inc.	Environmental Manager	1	2
Volkert, Inc.	Environmental Professional	2	14

(Add rows as needed)

14. Organizational Chart



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.	Herbert "Bert" Moore, II, P.E., PLS, PTOE	Gresham Smith	P.E. - 31065 (Civil) PLS - 5043 PTOE - 2728	Louisiana Louisiana International	P.E. Exp. 9/30/2026 PLS Exp. 9/30/2026 PTOE Exp. 9/30/2027
2.	Herbert "Bert" Moore, II, P.E., PLS, PTOE	Gresham Smith	P.E. - 31065 (Civil) PLS - 5043 PTOE - 2728	Louisiana Louisiana International	P.E. Exp 9/30/2026 PLS Exp. 9/30/2026 PTOE Exp. 9/30/2027
3.	Tom (Thong) Tran, P.E.	Gresham Smith	P.E. – 32072 (Civil)	Louisiana	P.E. Exp 03/31/2028
4.	Yun Lin, Ph.D, P.E. Brice Carpenter, P.E. Brett Commander, P.E. Jesse Sipple, P.E.	Gresham Smith Bridge Diagnostics, Inc. Bridge Diagnostics, Inc. Bridge Diagnostics, Inc.	P.E. – 42444 (Civil) P.E. – 0039341 (Civil) P.E. – 0035864 (Civil) P.E. – 0041028 (Civil)	Louisiana Louisiana Louisiana Louisiana	P.E. Exp 09/30/2026 P.E. Exp 03/31/2027 P.E. Exp 03/31/2027 P.E. Exp 03/31/2027
5.	Geoffrey Forest, P.E. Jeffrey Newman, P.E. David Barrett, P.E.	Modjeski and Masters, Inc. Modjeski and Masters, Inc. Modjeski and Masters, Inc.	P.E. – 0045721 (Mechanical) P.E. – 0031815 (Mechanical) P.E. – 0038789 (Mechanical)	Louisiana Louisiana Louisiana	P.E. Exp 09/30/2027 P.E. Exp 09/30/2027 P.E. Exp 09/30/2026
6.	Jonathan Gerhart, P.E.	Modjeski and Masters, Inc.	P.E. – 0043052 (Electrical)	Louisiana	P.E. Exp 03/31/2027
7.	David Kanger, P.E.	Modjeski and Masters, Inc.	P.E. – 0029048 (Civil)	Louisiana	P.E. Exp 09/30/2026
8.	Richard Savoie, P.E. Brennon Hughes, P.E.	Gresham Smith Gresham Smith	P.E. – 20936 (Civil) P.E. – 39985 (Civil)	Louisiana Louisiana	P.E. Exp. 9/30/2026 P.E. Exp.

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	Ronnie Robinson, P.E.	Gresham Smith	P.E. – 24040 (Civil)	Louisiana	3/31/2028 P.E. Exp 03/31/2028
9.	Megan Bourgeois, P.E.	Ardaman & Associates, Inc.	P.E. – 0036725 (Civil)	Louisiana	P.E. Exp 03/31/2028
10.	Bradley Holleman, PLS, P.E.	Forte and Tablada, Inc.	PLS – 5082	Louisiana	PLS Exp. 09/30/2026
	Ross Wilson, PLS	Forte and Tablada, Inc.	PLS - 5148	Louisiana	PLS Exp 03/31/2028
11.	John Lindemuth	GSRC	N/A	N/A	N/A
12.	Dr. Bretton Somers	GSRC	N/A	N/A	N/A
13.	Mark Kudron Hathorn	GSRC	N/A	N/A	N/A
	Anna Marcum	GSRC	N/A	N/A	N/A
14.	Howard Nass	GSRC	N/A	N/A	N/A
	Beau Rapier	GSRC	N/A	N/A	N/A
	Allen Fuller	GSRC	N/A	N/A	N/A
	Ross Hackbarth	GSRC	N/A	N/A	N/A
	Trent Farris, PS, CQB, ESA-CE	Volkert	N/A	N/A	N/A

(Add rows as needed)

16. Staff Experience:

Gresham Smith				
 Herbert "Bert" Moore, II, P.E., PLS, PTOE Principal	Years of experience with this firm/employer			11
	Years of experience with other firm(s)/employer(s)			16
Degree(s) / Years / Specialization		Bachelor of Science / 1999 / Civil Engineering, Louisiana State University		
Active registration number / state / expiration date		P.E.0031065 / LA / Exp. 9/30/26 PTOE 2728 / Exp. 9/30/26 PLS 5043 / LA / Exp. 9/30/26		
Year registered		2004(PE); 2009(PTOE); 2010(PLS)	Discipline	P.E./Civil, PLS, PTOE
Contract role(s) / brief description of responsibilities			Gresham Smith Principal / Bert will assist with traffic engineering tasks.	
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).			
Career	In his 27 years of experience as both as a consultant and as LADOTD's District Traffic Operations Engineer for District 61, Bert has demonstrated his knowledge of LADOTD requirements and preferences, and proven adept at getting things done efficiently. Bert has spent the majority of his 27-year career involved with DOTD traffic related roles including development of TMP plans, traffic control and mobilization, capacity improvements and safety related programs.			
04/18–05/19	LADOTD, I-10 TMP West of LA 108 to I-210 Interchange TMP, Lake Charles, LA Project Executive. Gresham Smith developed a TMP for the Rubblization and Overlay on I-10 between I-210 and the LA 108 Interchange in Lake Charles, LA. This project included the mill and overlay of I-10, widening two flat deck bridges on I-10 to add a lane, and replacing all of the concrete panels on I-10 through the LA 108 interchange. In order to replace the concrete panels on I-10, traffic was moved to a C/D road within the interchange and cloverleaf ramps were closed during construction. Two temporary traffic signals were designed to facilitate traffic at this interchange. This project included data collection and queue and safety analyses and traffic signal design. Bert was responsible for the overall study including overseeing the data collection review, conducting the queue and safety analysis, implementing the proper traffic control plans, development of the TMP report, the design of two temporary traffic signals and QA/QC.			
10/17–04/18	LADOTD, US 90 Bridge Maintenance over I-10 Ramps, Transportation Management Plan (TMP), Lake Charles, LA Project Executive. Gresham Smith was selected to develop a TMP for the replacement of the bridge deck of the US 90 overpass over I-10 in Lake Charles, LA. The project included working with the design engineers to determine the required lane closures for the construction, data collection and queue and safety analyses. Bert was responsible for the overall study including overseeing the data collection review, conducting the queue and safety analysis, implementing the proper traffic control plans and development of the TMP report.			

05/17–03/19	LADOTD, I-210 at LA 1138-2 (Nelson Road) Interchange Modification Re-Evaluation Study, Lake Charles, LA Project Executive. Gresham Smith was selected to develop a calibrated VISSIM model to model existing conditions and the future proposed diverging diamond interchange at I-210 at Nelson Road in order to evaluate the proposed interchange design. The project included data collection, development of growth rates, lead the Road Safety Assessment, developing and calibrating an existing VISSIM model and evaluation of the proposed alternative. Bert was responsible for the overall study, overseeing data collection, conducting safety analysis, development of VISSIM models, development of alternatives and the report.
05/17–01/19	LADOTD, US 171 MLK Boulevard Traffic Study, Lake Charles, LA Project Executive. The study area included 3 miles of US 171, 8 signalized intersections and a cloverleaf interchange with Interstate 10. Traffic count data was collected and used to create Vissim models of the study area. These models were calibrated to accurately represent existing traffic patterns along the corridor. Alternative solutions were analyzed with additional models and conceptual designs for potential solutions were developed.
02/18–10/24	TDOT, I-40 at Donelson Pike Interchange, Nashville, TN Project Designer. The purpose of the proposed I-40/SR 255 (Donelson Pike) Interchange modification is to improve traffic operations at the interchange and access to the Nashville International Airport (BNA). The airport serves a large portion of Tennessee residents as well as residents from surrounding states; the interchange is the airport's primary access point and very important to the overall success of the state and its tourist industry. The project consists of a proposed Diverging Diamond Interchange, a 1.2-mile collector-distributor road along I-40 eastbound, and 1.75 miles of new urban alignment for the relocation of Donelson Pike.
05/20–09/20	LADOTD, US 71 Spring Street Bridge – Emergency Repairs (Derailment); Shreveport LA Project Executive. In April of 2020, a train derailment damaged Bent 3 of the Spring Street Bridge forcing the roadway closure. Gresham Smith was selected to perform the bridge repairs to open the bridge. Working with the selected contractor, helical piles were designed to support the new column foundations and crash wall. Bert provided traffic related consultation for the roadway closure task and general project oversight, particularly coordination with DOTD
2/17–12/20	LADOTD, SRTS/LRSP Task Order 6 & 21: Endom Bridge, West Monroe, LA Project Executive. The project consisted of roadway realignment at the bridge approach to improve roadway geometry and safety. Right-of-way is being acquired at one quadrant of the intersection and Gresham Smith is assisting with the coordination between the right-of-way plans and the roadway requirements. Bert was responsible for overseeing the data collection, analyzing the traffic counts to determine appropriate lane configuration and geometry, and support and coordination of overall design.
06/21–01/24	EBR DTD, MovEBR-Plank Road Corridor Enhancement, Baton Rouge, LA Project Executive. Gresham Smith was selected to perform the corridor enhancement of Plank Road between Dawson Drive to Harding Boulevard. This project will include a topographic survey, a design study for bicycle and pedestrian facilities, improved drainage, transit facilities, new traffic signals and street lighting. Once the design study is complete the project will move into the development of design plans. The project will result in a revitalized corridor with improvements for all users.
Certifications (See section 20)	• DOTD Traffic Engineering Analysis Process & Report – Modules 1, 2 and 3 • U.S. Department of Transportation Federal Highway Administration – DPFA Certification • LADOTD – Highway Safety Manual Workshop NCHRP 17-38 • Louisiana Local Technical Assistance Program – Regional Crash Data Workshop • American Traffic Safety Services Association –Traffic Control Supervisor, LA State Specific

16. Staff Experience:

Gresham Smith			
 Courtney Rome, P.E. Project Manager	Years of experience with this employer		8
	Years of experience with other employer(s)		8
Degree(s) / Years / Specialization		Bachelor of Science / 2009 / Civil Engineering, Southern University and A&M College	
Active registration number / state / expiration date		PE.0043355 / LA / Exp. 9/30/27	
Year registered		2019 (LA)	Discipline P.E./Civil
Contract role(s) / brief description of responsibilities		Project Manager / Courtney will serve as structural project engineer for the bridge preservation tasks.	
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).		
06/25–03/26	LADOTD, Movable Bridges Contract, Statewide, LA Bridge Engineer. Gresham Smith was subcontracted as the lead structural engineer of record for project H.012003 – Bayou Tigre 010130. Our scope of structural services included an in-depth inspection and comprehensive load rating modeling and analysis of the movable truss swing span and its approaches. Deliverables comprised a detailed structural inspection report, a load rating report, and a Scope of Work proposal with all recommended repairs and cost estimates for improvements to the Bayou Tigre Bridge.		
05/20–09/20	LADOTD, US 71 Spring Street Bridge – Emergency Repairs (Derailment); Shreveport LA Bridge Engineer. Courtney served as Project Engineer for the design and construction services for the emergency repairs for the emergency repairs of the US 71 Spring Street bridge following the train derailment and subsequent damages. Courtney led the design for the substructure items, including the pile design and crashwall design, and also lead the review of the temporary shoring for the temporary shoring for the railroad.		
06/19–09/24	LADOTD, Complex Bridge Inspections, Statewide, LA Bridge Engineer. As an NHI Certified Bridge Inspector, Courtney performed bridge inspections for various complex bridge structures throughout Louisiana, including steel trusses, concrete structures and movable bridges.		
06/25–08/25	MDOT, 2024 BR WA #5 US 80 over Pearl River Bridge Repair, Rankin County, MS Bridge Engineer. Gresham Smith was engaged to provide comprehensive Phase B engineering services for the bridge repair design of Bridge 46.9, located on US 80 over the Pearl River Relief in Rankin County, Mississippi. Our scope included the development of final construction plans addressing critical repairs such as concrete girder span resetting, bearing replacements, removal and replacement of approach slabs and backwalls, joint repairs, and concrete spall remediation. Additionally, Gresham Smith delivered Phase C construction support services to ensure successful project execution and adherence to design intent.		

07/19–Ongoing	TDOT, Complex and Standard Bridge Load Ratings, Statewide, TN Project Engineer. Courtney provided bridge load ratings for approximately 141 complex structures and 137 standard structures across the state of Tennessee. Complex structures were analyzed utilizing finite element methods and CSi Bridge software. The structures load rated consisted of curved steel tub girders, steel arches with steel cables supporting steel floor beam – stringer systems, deck trusses, bascule arched steel truss, steel girder-floor beam-stringer system bridges, steel rigid K-frame bridges, and reinforced concrete rigid k-frames with spliced prestressed girders for center span bridges. The standard structures were analyzed using the AASHTOWare BrR software.
09/22–11/25	FDEP, Shark Channel Bridge Rehabilitation Design, Key West, FL Bridge Engineer. Gresham Smith performed final design for the preservation of the historic, ~2,200-foot-long Shark Channel Bridge in order to re-open the structure for trail use. The preservation includes an evaluation of existing conditions to establish the scope of work, cost estimate, and the preparation of final design plans. The bridge was reopened for trail users in November 2025. Courtney served as structural engineer for the bridge preservation.
07/18–06/21	MDOT, SR 149 Simpson County Bridge Replacements, MS Engineer-of-Record. Gresham Smith partnered with MDOT for Phase B (Final Design) for the reconstruction of S.R. 149 near D'Lo, Simpson County, Mississippi. Courtney served as Engineer-of-Record for the two longer structures (Bridge 128.2 and Bridge 128.6). This is the first instance of partial depth deck panels utilized for MDOT as a pilot to verify the ease of construction and as an accelerated (ABC) time condition.
10/21–10/23	MDOT, Pike I-55 Bridge Jacking & Repairs, McComb, MS Bridge Engineer. Gresham Smith was contracted to provide Phase B Final Design Plans for the bridge jacking (raising) and repair of four local road bridges over I-55 from MS 24 to US 98 in Summit, Pike County, Mississippi. Gresham Smith provided design and details of four existing bridges to provide a minimum vertical clearance of 17'-0" over I-55. In order to achieve the 17'-0" clearance, modifications to the backwalls, concrete pedestals and elastomeric bearings had to be performed. In addition to these modifications, spall repairs to the bents, abutments, and concrete deck have also been provided.
01/17–03/21	City of Alcoa, Tesla Road Greenway Project, Alcoa, TN Bridge Design Engineer. Gresham Smith provided final design services on several structures in order to convert an abandoned railroad corridor to a multipurpose trail and improve vehicular access to Alcoa High School. Courtney designed a redecking plan to convert an existing railroad trestle to a multi-use trail facility over an existing stream. He also designed foundations and a retaining wall for a precast concrete arch structure to carry the new trail over a proposed local street, with steel pile foundations.
10/19–01/25	MDOT, I-55 West Frontage Road Bridge Preservation (Bridge No. 16.9C), Madison County, MS Project Engineer. Gresham Smith is performing Phase A & B Roadway Drainage analysis and design as well as bridge repair conceptual and final design for a bridge embankment slide. Courtney performed substructure analysis for the open-end steel pipe piles.
01/22–04/24	MDOT, 2021 WA #1 US 51 at Big Black River and Reliefs – Bridge Hydraulic Design, Madison and Yazoo Counties, MS Project Engineer. Gresham Smith completed field reconnaissance, data gathering, SMS/SRH-2D hydraulic models, stream stability analysis, scour calculations, countermeasure design, Hydraulic Report and Bridge Layout Drawings. SMS/SRH-2D were used to determine the most cost efficient bridge waterway opening and scour elevations meeting bridge hydraulic design criteria.

16. Staff Experience:

Gresham Smith			
 Tom Tran, P.E. Deputy Project Manager	Years of experience with this employer		14
	Years of experience with other employer(s)		22
Degree(s) / Years / Specialization	Bachelor of Science / 1991 / Civil Engineering, University of Central Florida		
Active registration number / state / expiration date	PE.0032072 / LA / Exp. 3/31/28		
Year registered	2005 (LA)	Discipline	P.E./Civil
Contract role(s) / brief description of responsibilities		Deputy Project Manager / Tom will support the bridge design tasks and project management tasks.	
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).		
6/19–03/20	LADOTD, Complex Bridge Inspections, Statewide, LA QA/QC. Task Order 1 - Retainer project for various bridge inspections of major river crossings. Completed hands-on inspection of fracture critical elements on several structures including the LA1 Truss over Atchafalaya River at Simmesport, LA8 Segmental Bridge over Red River at Boyce and the US165 Vertical Lift Bridge over Red River. Gresham Smith was able to complete the inspection of Bridge 005860, in Jeanerette, a steel swing truss and Bridge 009130, in Charenton, a steel swing truss—within the original budget for the initial three bridges.		
04/20–9/20	LADOTD, Complex Bridge Inspections, Statewide, LA Task Order 2 - Emergency Bridge Repairs, US 71 in Downtown Shreveport, LA QA/QC. In April 2020, a train derailment damaged Bent 3 of the Spring Street Bridge forcing the roadway closure. Gresham Smith was selected to perform the bridge repairs to open the bridge. Working with the selected contractor, helical piles were designed to support the new column foundations and crash wall.		
07/20–09/24	LADOTD, Complex Bridge Inspections, Statewide, LA QA/QC. Task Order 3 - Retainer project for various movable bridge inspections. Completed hands-on inspection of fracture critical elements on several structures and coordinated the efforts of mechanical and electrical staff and served as EOR for the reports including the Bridge 006210 Vertical Lift Bridge at Loreauville, LA, Bridge 054360 Gross Tete Steel Swing Bridge and Bridge 054472 Indian Village Steel Swing Bridge in Iberville Parish. Due to cost savings on the initial 3 bridges in Task Order 2, we were able to complete the inspection of Bridge 006306, Bayside Bridge in Jeanerette, a steel swing bridge—within the original budget.		
06/21–08/21	FLDOT, Florida DEP, Florida Keys Overseas Heritage Trail Historic Bridge Evaluation, Marathon, FL QA/QC. Florida DEP selected Gresham Smith to inspect and evaluate two historic bridges, the Seven Mile Bridge and the Bahia-Honda Historic Truss. Both structures are closed to traffic.		
07/19–Ongoing	TDOT, Complex Bridge Load Ratings, Statewide, TN Senior Bridge Engineer. Complex structures were analyzed utilizing finite element methods and CSi Bridge software. The structures load rated consisted of curved steel tub girders, steel arches with steel cables supporting steel floor beam–stringer systems, deck trusses, bascule arched steel truss, steel girder-floor beam–stringer system bridges, steel rigid K-frame bridges, and reinforced concrete rigid k-frames with spliced prestressed girders for		

	center span bridges. The standard structures were analyzed using the AASHTOWare BrR software. Tom provided quality control review for the complex arch structures.
08/20–Ongoing	GDOT, Statewide Engineering On-Call for Bridge Repair, Statewide, GA Project Manager. This contract includes, Inspection, load rating and repair of problematic bridges thru out the state of Georgia. Typical scope includes inspection of bridge, verification of repair needed, development of repair plans, development of special provision, advertisement of project, review of shop drawings and post construction services as needed.
11/14–10/17	MDOT, MS-309 Bridge Replacements, Marshall County MS Lead Bridge Engineer. Tom served as the EOR for this project. The design included replacing full timber structures with AASHTO beam structures supported by either concrete piles or pipe piles. Span lengths ranged from 41' to 140'. Structure arrangements varied from 3-span to 6-span structures. Work included Services During Construction, scheduled for completion Fall 2021.
11/13–10/14	MDOT, Roadway WA #4: US 82 Underpass Bridge Removal at Leland, Leland, MS Lead Bridge Engineer. Gresham Smith was tasked with the US 82 Underpass Bridge Removal projects to provide a feasibility study and engineering design services as required to prepare Phase A (preliminary design) plans for removal of an abandoned railroad under-pass bridge and reconstruction of approximately 1,000 linear feet of US 82 near the Old Hwy. intersection in Leland.
08/07–01/12	GDOT, SR 10/US 78 Bridge Replacement at Apalachee River, Walton, GA Senior Bridge Engineer. This project consists of replacing the existing SR 10/US 78 bridge over the Apalachee River at the Walton/Oconee County line. The existing 418-foot-long historic westbound bridge is to be replaced with a 410-foot-long bridge located north of the existing bridge. The historic bridge will remain in place. The existing 397-foot-long east bound bridge will remain. The contributing basin is 136.16 square miles. The existing bridge has a studied flood plain and floodway.
1/13–6/14	LADOTD, ITS Design and Implementation Services, WO#4: I-10 Twin Span ITS-Orleans & St. Tammany Parishes, Statewide, LA Structures Design Lead. Tom led the detailed structural analyses of new camera poles and the DMS poles could be installed on the existing foundations within the bridge structure. The DMS pole required a butterfly cantilever to support the new front access LED DMS enclosure. This was the first of each to be installed along the interstate system in Louisiana.
01/24–04/24	ALDOT, 4065 Cheshire Bridge Road over CSX Railroad Emergency Bridge Repair, Atlanta, GA Project Manager. In December 2023, a fire severely damaged the Cheshire Bridge Road over the CXS Railroad, forcing its closure shortly after a prior reopening. Gresham Smith was tasked with validating the closure, exploring traffic restoration alternatives, and developing emergency repair plans. The chosen solution involved removing the damaged span and installing a retaining wall with repairs to an adjacent bent, requiring close coordination among multiple stakeholders. Despite initial challenges such as securing CSX site access, the design team committed to delivering final plans within two weeks of receiving detailed survey data.

16. Staff Experience:

Gresham Smith				
 Adam Davidson, P.E. QAQC Manager / Technical Resource	Years of experience with this employer			9
	Years of experience with other employer(s)			19
Degree(s) / Years / Specialization		Master of Science / 2009 / Structural Engineering, University of Tennessee, Knoxville Bachelor of Science / 2002 / Civil Engineering (Structural Emphasis), Tennessee Technological University		
Active registration number / state / expiration date		PE. #110436 / TN / Exp. 1/31/28		
Year registered		2008 (TN)	Discipline	P.E./Civil
Contract role(s) / brief description of responsibilities		QAQC Manager / Technical Resource / Adam will lead the Quality Control tasks for all bridge rating work.		
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).			
10/17–Ongoing	TDOT, Bridge Maintenance and Repair Contract, Regions 1, 2 & 3, TN Project Engineer. This contract has included underwater bridge inspections, routine structural repairs, superstructure replacements and widening, full structure replacements and Accelerated Bridge Construction projects. Donald's responsibilities included preliminary layouts, bridge inspections, superstructure design, substructure design, quantities, and preparing and organizing plan sheets and detail sheets.			
06/21–04/24	TDOT, Broadway Viaduct (SR 1) CM/GC Owner's Representative, Nashville, TN Project Engineer. Gresham Smith was TDOT's Owner Representative and designed the replacement of the aging Broadway Viaduct over CSXT RR yard and 11th Avenue in Nashville. This CM/GC project included Accelerated Bridge Construction (ABC) techniques to minimize impacts to both vehicular and pedestrian traffic and to local businesses. The bridge was replaced in only 12 months instead of multiple years of traditional phased construction, during which the contractor was allowed a mere 8-week maximum full closure of Broadway. Gresham Smith designed the roadway and bridge with innovative design features and aesthetic treatments. PlanGrid was used for project documentation distribution, reviews, and storage			
07/19–Ongoing	TDOT, Complex and Standard Bridge Load Ratings, Statewide, TN Project Manager, Senior Bridge Engineer. Adam provided bridge load rating management and QC reviews for approximately 141 complex structures and 137 standard structures across the state of Tennessee. Complex structures were analyzed utilizing finite element methods and CSi Bridge software. The structures load rated consisted of curved steel tub girders, steel arches with steel cables supporting steel floor beam – stringer systems, deck trusses, bascule arched steel truss, steel girder-floor beam-stringer system bridges, steel rigid K-frame bridges, and reinforced concrete rigid k-frames with spliced prestressed girders for center span bridges. The standard structures were analyzed using the AASHTOWare BrR software.			

10/15–6/17	Eastern Federal Lands Highway Division (EFLHD) of the FHWA Senior Bridge Engineer. Adam provided bridge load ratings on several dozen bridges as part of an on-call contract, containing over 3,347 bridges in over 32 states and Washington, DC including the entire length of the Blue Ridge Parkway and Natchez Trace Parkway. Bridge load ratings prepared using AASHTOWare BrR.
10/15–6/17	Heavy Haul Load Rating (Northern Virginia) Senior Bridge Engineer. Adam provided bridge load ratings on 20 structures for the passage of several superload hauler configurations with a maximum gross vehicle weight of approximately 1.7 million pounds for the delivery of components to the Panda Stonewall Energy Center in northern Virginia. Structures were analyzed using AASHTOWare BrR software and included eight concrete culverts, one arch culvert, three cored slabs, four prestressed concrete girder bridges, and four steel girder bridges. The project also included field verification of the condition of the structures.
07/09–02/15	TVA, Bridge Load Rating Services Senior Bridge Engineer. Adam served as a structural engineer providing bridge load ratings on the following four structures located on TVA properties: Intake Tower Access Bridge at Blue Ridge Reservoir, Bridge over Kentucky Dam, Bridge over Chickamauga Dam, Bridge over Pickwick Dam, and Bridge on Bellefonte Access Rd. The structures load rated consisted of a steel truss bridge, steel girder-floor beam-stringer bridges, and a concrete slab bridge.

16. Staff Experience:

Gresham Smith



Jackson Hartley, P.E.
Bridge Engineer

Years of experience with this employer

4

Years of experience with other employer(s)

0

Degree(s) / Years / Specialization

Bachelor of Science, Civil Engineering, Louisiana State University, 2021

Active registration number /
state / expiration date

P.E.0051317 / LA / 9/30/2026

Year registered

2026

Discipline

P.E./ Civil

Contract role(s) / brief description of responsibilities

Bridge Engineer / Jackson will support the bridge team with structural repair, design, inspection and load rating.

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).

06/21–10/22

LADOTD, Complex Bridge Inspections, Statewide, LA | Bridge Engineer Intern. Task Order 6 - Retainer project for various movable bridge inspections. Jackson assisted with site inspections of movable bridges including Bridge 009130, Charington Swing Bridge, Bridge 005860 Jeanerette Swing Bridge, and Bridge 003450 Boudreaux Canal. Jackson has performed photo log preparation and stream bed analysis for the Boudreaux Canal Bridge. Jackson participated in the site inspections and photo documentation as a summer intern and has progressed.

11/22–10/23

LADOTD, Complex Bridge Inspections, Statewide, LA | Bridge Engineer Intern. Task Order 7 - Retainer project for various movable bridge inspections. Jackson provided support and performs site assessments for the partial re-inspection of bridges throughout LADOTD District 62.

06/21–08/21

Florida DEP, Florida Keys Overseas Heritage Trail Historic Bridge Evaluation, Marathon, FL | Bridge Engineer Intern. Florida DEP selected Gresham Smith to inspect and evaluate two historic bridges, the Seven Mile Bridge and the Bahia-Honda Historic Truss. Both structures are closed to traffic. Jackson assisted with cataloging the drone videos and photographs and also assisted with the report formatting.

06/25–03/26

LADOTD, Movable Bridges Contract, Statewide, LA | Bridge Engineer Intern. Jackson was a member of the bridge inspection teams responsible for inspecting five historic movable bridges in southern Louisiana. Jackson conducted on-site inspections to document deficiencies and assess the overall bridge conditions. He prepared the inspection reports and helped design practical and effective rehabilitation plans to preserve the bridge structures' integrity.

16. Staff Experience:

Gresham Smith



Tim Dow, P.E.
Senior Bridge Engineer

Years of experience with this employer 12

Years of experience with other employer(s) 0

Degree(s) / Years / Specialization Bachelor of Science / 2015 / Civil Engineering, Southern Polytechnic State University

Active registration number / state / expiration date P.E. 43940 12/31/2026

Year registered 2018 (GA) **Discipline** P.E. / Civil

Contract role(s) / brief description of responsibilities Senior Bridge Engineer / Tim will support the bridge inspection and bridge repair tasks.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).
11/14–09/21	MDOT, SR 309 Byhalia Creek Bridge Replacement, Marshall County, MS <i>Design Engineer</i>. Tim provided the deck and bearing pad designs. The deck used a link system to eliminate the deck joints at the spanspan beam joints. Tim also developed the bridge plans in accordance with MDOT procedures for this multi-span bridge.
07/15–12/18	GDOT, SR 15/Sandersville Truck Route GRIP Rural Widening and New Bridge Over Railroad Spur Line, Sandersville, GA <i>Bridge Engineer</i>. Tim provided preliminary layout, final bridge design and plan preparation. Gresham Smith developed preliminary and final plans for a TIA truck bypass project, including a combination of new alignment and existing roadway widening to create a four-lane section, as well as a new bridge over a railroad spur line, a multilane roundabout, bicycle accommodations, and 3.3 miles of side road realignments. Tim developed a value engineering design using a reduced median width and MSE walls to reduce the bridge length to reduce costs, including mitigation costs. He assisted with the hydraulic analysis and design of a new triple 6-foot by 6-foot culvert at Sisters Church Creek.
08/16–12/24	Newton County Public Works, LMIG Bridge Maintenance, Covington, GA <i>Bridge Engineer</i>. Tim was responsible for bridge inspections and creating bridge repair plans for the projects. Gresham Smith prepared the plans and specifications for seven bridges in Newton County in accordance with the 2014 Bridge Assessment previously completed for the county. Specifications should have sufficient detail to be used in the selection of a contractor and for the performance of the work. We used the 2014 Bridge Assessment report, as well as, seven site visits as a basis for producing the repair plans and specifications. This includes a list of repair items for each bridge and cost estimate for each recommended maintenance or repair item.
02/08–02/10	GDOT, SR 3/US 19 Over Ochlocknee River Bridge Rehabilitation, Thomas County, GA <i>Engineer of Record</i>. Tim led the bridge inspection of the twin 23 span structures to provide a comprehensive rehabilitation design. Gresham Smith prepared rehabilitation plans, special provisions and a project cost estimate. Proposed repairs included pile encasements, spall repairs, expansion joint replacement and epoxy overpayment of the deck.

16. Staff Experience:

Gresham Smith

**Donald McCrary, P.E.**

Senior Bridge Engineer

Years of experience with this employer

9

Years of experience with other employer(s)

16

Degree(s) / Years / Specialization

Bachelor of Science / 2001 / Civil Engineering / Tennessee Technological University

Active registration number / state / expiration date

PE. 0048452 / LA / Exp. 03/31/2028

Year registered

2023

Discipline

P.E./Civil

Contract role(s) / brief description of responsibilities

Senior Bridge Engineer / Donald will support the load rating, QA/QC and bridge design tasks.

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).**

10/17–Ongoing

TDOT, Bridge Maintenance and Repair Contract, Regions 1, 2 & 3, TN | Project Engineer. This contract has included underwater bridge inspections, routine structural repairs, superstructure replacements and widening, full structure replacements and Accelerated Bridge Construction projects. Donald’s responsibilities included preliminary layouts, bridge inspections, superstructure design, substructure design, quantities, and preparing and organizing plan sheets and detail sheets.

06/21–04/24

TDOT, Broadway Viaduct (SR 1) CM/GC Owner’s Representative, Nashville, TN | Project Engineer. Gresham Smith was TDOT’s Owner Representative and designed the replacement of the aging Broadway Viaduct over CSXT RR yard and 11th Avenue in Nashville. This CM/GC project included Accelerated Bridge Construction (ABC) techniques to minimize impacts to both vehicular and pedestrian traffic and to local businesses. The bridge was replaced in only 12 months instead of multiple years of traditional phased construction, during which the contractor was allowed a mere 8-week maximum full closure of Broadway. Gresham Smith designed the roadway and bridge with innovative design features and aesthetic treatments. PlanGrid was used for project documentation distribution, reviews, and storage

06/17–1/18

TDOT, I-40 Interchange at SR 255, Davidson County, TN | Project Engineer. The proposed structure is a two-span steel welded plate girder bridge. Additionally, this project has two other bridge structures along SR 255 crossing MNAA East-West Road and McCrory Creek. The geometric layout and preliminary design were also developed for these structures. The MNAA bridge structure proposes a single-span prestressed concrete girder structure that utilizes uniquely modified bulb-tee beams to meet the tight vertical alignment and clearance constraints. The McCrory Creek bridge structure is a three-span traditional prestressed concrete bulb-tee girder bridge.

06/17–Ongoing

TDOT, SR 171 over I-40 Bridge Widening, Wilson County, TN | Senior Bridge Engineer. This project included the widening of a 249-foot four-continuous-span, concrete structure utilizing 36-inch by 36-inch precast prestressed concrete box beams with composite deck. Donald’s responsibilities included bridge inspections, superstructure design, substructure design, quantities, and QA/QC of design and plans.

16. Staff Experience:

Gresham Smith				
 Yun Lin, Ph.D., P.E. Lead Bridge Load Rating Engineer	Years of experience with this employer			9
	Years of experience with other employer(s)			7
Degree(s) / Years / Specialization	BS Civil Engineering, West Virginia University, 2008 MS Civil Penn State University, 2010 Doctor of Philosophy (Ph.D.) Structures, West Virginia University, 2015			
Active registration number / state / expiration date	PE. 0042444 / LA / 9/30/26			
Year registered	2018 (LA)	Discipline	P.E./Civil	
Contract role(s) / brief description of responsibilities		Lead Bridge Load Rating Engineer / Dr. Lin will lead the bridge load rating tasks and support the structural repair, design and inspection tasks.		
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).			
11/19–02/20	LADOTD, Complex Bridge Inspections, District 08 Bridges <i>Bridge Inspector</i>. As an NHI Certified Team Leader, Dr. Lin provided bridge inspection services for the Concrete Segmental Bridge in Boyce LA and also for the LA 1 truss bridge.			
01/16–07/17	LADOTD, Complex Bridge Inspections, GNO Bridge No. 1 <i>Bridge Inspector</i>. Dr. Lin served as on-site inspector and prepared the inspection report for the GNO Bridge No. 1 in New Orleans. Duties included the hands-on inspection of the fracture critical truss elements utilizing bridge access equipment.			
08/16–03/17	LADOTD, Earhart Expressway Preliminary Design, Metairie, LA <i>Bridge Designer</i>. Dr. Lin performed bridge design and evaluation for the preliminary design of a 1,500' elevated bridge structure in Metairie. Tasks included span arrangement evaluations, development of typical sections for various structure types, and foundation evaluations.			
03/17–07/17	MDOT, Mississippi Bridge Load Ratings, Statewide, MS <i>Designer</i>. Dr. Lin performed load rating calculations for three bridges in Mississippi. To include the special truck load for Mississippi, he created a stand-alone bridge load rating Spreadsheet (LFR) for three bascule bridges in Mississippi. The program included all load rating vehicles, all required trucks by MDOT, as well as, permit trucks with customized axle loads.			
06/21–04/24	TDOT, Broadway Viaduct (SR 1) CM/GC Owner's Representative, Nashville, TN <i>Project Engineer</i>. Gresham Smith was TDOT's Owner Representative and designed the replacement of the aging Broadway Viaduct over CSXT RR yard and 11th Avenue in Nashville. This CM/GC project included Accelerated Bridge Construction (ABC) techniques to minimize impacts to both vehicular and pedestrian traffic and to local businesses. The bridge was replaced in only 12 months instead of multiple years of traditional phased construction, during which the contractor was allowed a mere 8-week maximum full closure of Broadway. Gresham Smith designed the roadway and bridge with innovative design features and aesthetic treatments. PlanGrid was used for project documentation distribution, reviews, and storage			

16. Staff Experience:

Gresham Smith

**Braden Wells, P.E., CBI**

Bridge Engineer

Years of experience with this employer

8

Years of experience with other employer(s)

0

Degree(s) / Years / Specialization

Bachelor of Science / 2018 / Civil Engineering, University of Tennessee

Active registration number /
state / expiration date

P.E. 127387 / TN / Exp 07/31/2027

Year registered

2023

Discipline

P.E. / Civil

Contract role(s) / brief description of responsibilities

Bridge Engineer / Braden will support the bridge team.

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

07/19–Ongoing

TDOT, Bridge Maintenance and Repair Contract, Regions 1, 2 & 3, TN | Engineer Intern. This contract has included underwater bridge inspections, routine structural repairs, superstructure replacements and widening, full structure replacements and Accelerated Bridge Construction projects. It more specifically includes I-65 over SR 76 and I-65 over Cartwright Circle and Williamson Road bridge repair projects. Braden’s responsibilities include preliminary layouts, bridge inspections, quantities, and preparing and organizing plan sheets and detail sheets.

09/22–11/25

FDEP, Shark Channel Bridge Rehabilitation Design, Key West, FL | Project Engineer. Gresham Smith performed final design for the preservation of the historic, ~2,200-foot-long Shark Channel Bridge in order to re-open the structure for trail use. The preservation includes an evaluation of existing conditions to establish the scope of work, cost estimate, and the preparation of final design plans. The bridge was reopened for trail users in November 2025.

05/17–09/19

TDOT, Rehabilitation of SR 16 over Kelly Creek, Rutherford County, TN | Engineer Intern. Gresham Smith is partnered with TDOT to rehabilitate the bridge carrying State Route 16 over Kelly Creek near Eagleville in Rutherford County, Tennessee. The scope of services for the rehabilitation included utilizing Accelerated Bridge Construction techniques to convert the existing bridge to a single span structure by removing the center pier, replacing the entire superstructure with new precast, prestressed concrete 21”x36” box beams with a composite CIP bridge comprised of full depth precast deck panels and closure pours, precast concrete end wall components, precast approach slab components, and modifying the existing abutments to accommodate the new superstructure. 90% of this work will be done during a single weekend closure, thus limiting traffic disruptions to 56 hours.

06/21–04/24

TDOT, Broadway Viaduct (SR 1) CM/GC Owner’s Representative, Nashville, TN | Project Engineer. Gresham Smith was TDOT’s Owner Representative and designed the replacement of the aging Broadway Viaduct over CSXT RR yard and 11th Avenue in Nashville. This CM/GC project included Accelerated Bridge Construction (ABC) techniques to minimize impacts to both vehicular and pedestrian traffic and to local businesses. The bridge was replaced in only 12 months instead of multiple years of traditional phased construction, during which the contractor was allowed a mere 8-week maximum full closure of Broadway. Gresham Smith designed the roadway and bridge with innovative design features and aesthetic treatments. PlanGrid was used for project documentation distribution, reviews, and storage

16. Staff Experience:

Gresham Smith

**Houston Neal, P.E.**

Senior Bridge Engineer

Years of experience with this employer

1

Years of experience with other employer(s)

14

Degree(s) / Years / SpecializationBachelor of Science / Structural Engineering, University of Tennessee;
Master of Science / 2011 / Civil Engineering, University of Tennessee**Active registration number /
state / expiration date**

P.E. 117912 / TN / Exp 06/30/2027

Year registered

2015

Discipline

P.E. / Civil

Contract role(s) / brief description of responsibilities

Senior Bridge Engineer / Houston will support the bridge team with structural repair, design and inspection tasks.

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

01/25–Ongoing

TDOT, Bridge Maintenance and Repair Contract, Regions 1, 2 & 3, TN | Senior Engineer. This contract has included underwater bridge inspections, routine structural repairs, superstructure replacements and widening, full structure replacements and Accelerated Bridge Construction projects. It more specifically includes I-65 over SR 76 and I-65 over Cartwright Circle and Williamson Road bridge repair projects.

01/24–12/24

WYDOH, Grassy Branch Bridge, Mercer County WV | Engineer of Record. Houston developed repair plans for the Grassy Branch Bridge over Norfolk Southern Railway. This project involved pinning abutment 1 using micropiles, replacing elastomeric bearings and anchor bolts at abutment 1, patching spalled and delaminated concrete areas, epoxy injecting concrete cracks, and removing and rebuilding expansion joints. I checked the design for the abutment 1 micropiles, beam seat extension, elastomeric steel bearing pads, sole plate, anchors, and deck drains. Additionally, I reviewed the final bridge plans, quantities, and cost estimate to ensure all details matched the signed calculations.

01/24–12/24

WVDOH, Second Creek Bridge, Monroe County, V | Project Engineer. This project involved the superstructure replacement of the Second Creek Bridge over Second Creek. The new superstructure consists of 2-span rolled steel beams with a reinforced concrete deck. Houston analyzed the steel beams with MDX and oversaw the design of elastomeric bearing pads and anchors. Additionally, he reviewed the final bridge plans, quantities, and cost estimate to ensure all details matched the signed calculations.

01/24–12/24

TDOT, SR-9 over Cove Lake Rehabilitation, Campbell County, TN | Engineer of Record. Houston was the Engineer of Record for the two-span twin bridges and the three-span bridge over Cove Lake. The scope of work included replacing existing deck overhangs and bridge railings. New deck overhangs feature single-slope parapets and deck drains. Detailed wing wall modifications were made with new end posts. All work is performed with phased construction. Led and performed the field inspection. Oversaw and directed the design and preparation of the plans.

16. Staff Experience:

Gresham Smith

**Morgan Edmondson, P.E.**

Bridge Engineer

Years of experience with this employer

5

Years of experience with other employer(s)

3

Degree(s) / Years / Specialization

Bachelor of Science / 2016 / Civil Engineering, Clemson University;
Master of Science / 2017 / Civil and Environmental Engineering, University of California, Davis

Active registration number / state / expiration date

P.E. 47145 / GA / Exp 12/31/2026

Year registered

2021

Discipline

P.E. / Civil

Contract role(s) / brief description of responsibilities

Bridge Engineer / Morgan will support the bridge team with structural repair and design tasks.

Experience dates (mm/yy–mm/yy)

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

09/17–03/22

GDOT, CR 511/Brown Bridge Road at Snapping Shoals Bridge Replacement, Covington, GA | *Bridge Engineer*. Gresham Smith provided roadway design and bridge engineering services for a bridge replacement on Brown Bridge Road over Snapping Shoals Creek as well as bridge hydraulic study; plans for signing and marking, right-of-way, utilities, drainage and erosion control, NEPA and GDOT Environmental Procedures Manual compliance, and lead public outreach.

04/19–12/20

GDOT, SR 10 Loop over SR 8 & West Fork Trail Creek Bridge Replacements, Clarke County, GA | *Bridge Engineer*. Gresham Smith worked closely with the GDOT to provide the roadway design and bridge engineering services for the replacement of twin bridges over SR 8 and West Fork Trail Creek. The team used a combination of raising the vertical profile of SR 10 and implementing the shallow Florida I-beam in the design to improve the vertical clearance of bridges that have been impacted in the past by vehicles traveling SR 8.

08/17–02/23

Cobb County DOT, Willeo Road over Willeo Creek – Bridge Replacement, Cobb County, GA | *Bridge Engineer*. This project was a collaborative effort by Cobb County and the City of Roswell to replace an existing functionally obsolete bridge at Willeo Road over Willeo Creek with a new context-sensitive bridge replacement and create a gateway into the City of Roswell. The existing bridge over Willeo Creek carried two lanes of traffic with no shoulders and had a low sufficiency rating. The new bridge was designed and detailed to produce a minimum design life of 75 years with low long-term maintenance costs. The new bridge typical section continued the context-sensitive cross-section of Lower Roswell Road in Cobb County onto Willeo Road with a multi-use path, sidewalk and bicycle lanes. The design avoided any impact to the adjacent National Park Service property and minimized impact to existing utilities

12/23–05/24

City of Atlanta DOT, Cheshire Bridge over CSX Railroad Emergency Bridge Repair, Atlanta, GA | *Engineer of Record*. On December 20, 2023, a fire beneath the historic Cheshire Bridge Road bridge over the CSX Railroad in Atlanta caused major damage and closure. Gresham Smith provided the repair design, which included removing and replacing the damaged span with a floating approach slab supported by a cast-in-place cantilever retaining wall and fill, while reinforcing key structural elements.

Gresham Smith

	The project involved close coordination with the City of Atlanta, CSX Railroad, and multiple utility companies. This approach successfully minimized costs, shortened construction time, and reduced community impact, swiftly restoring a critical transportation link.
11/24–12/24	GDOT, US 17 over Cypress Mill Creek Emergency Bridge Repair <i>Bridge Engineer</i>. During Thanksgiving week 2024, contractors began repairs on prestressed concrete piles following design plans developed by Gresham Smith. Unexpectedly, additional deterioration was discovered, necessitating an immediate bridge closure to ensure safety. Gresham Smith collaborated closely with GDOT to rapidly develop and implement a safe, effective solution. The team designed a bent cap encasement supported by new prestressed concrete piles, which were installed through carefully cut openings in the existing bridge deck. During this emergency response, traffic was temporarily diverted to the southbound bridge over Cypress Mill Creek. The bridge was successfully reopened to traffic approximately 30 days after closure, minimizing disruption.
11/23–12/25	ALDOT, Canterbury Road over Watkins Brook Bridge Rehabilitation, Mountainbrook, GA <i>Bridge Engineer</i>. The project involved the comprehensive rehabilitation of a deteriorated reinforced concrete slab bridge located near downtown Mountain Brook, Alabama. Originally constructed in the early 1960s, the bridge featured vertical abutments and had suffered significant wear and damage over time, including spalled concrete with exposed steel reinforcement and pervasive cracking throughout the substructure. The rehabilitation design was developed to extend the service life of the structure by an additional 15 to 20 years. Key repair strategies included the application of fiber-reinforced polymer (FRP) wrap to strengthen and restore the superstructure, enhancing durability and structural integrity.

16. Staff Experience:

Gresham Smith				
 Jin Liu, P.E. Senior Bridge Engineer	Years of experience with this employer			7
	Years of experience with other employer(s)			27
Degree(s) / Years / Specialization	Master of Science / 1998 / Civil Engineering, Florida State University; Bachelor of Science / Bridge Engineering, Tong University - Shanghai			
Active registration number / state / expiration date	P.E. 027074 / GA / Exp. 12/31/26			
Year registered	2001	Discipline	P.E. / Civil	
Contract role(s) / brief description of responsibilities		Senior Bridge Engineer / Jin will support the structural repair and design tasks.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
08/17–02/23	Cobb County DOT, Willeo Road over Willeo Creek – Bridge Replacement, Marietta, GA <i>Structural Engineer</i>. This project is a collaborative effort by Cobb County and the City of Roswell to replace the existing functionally obsolete bridge at Willeo Road over Willeo Creek with a new context-sensitive bridge replacement and create a gateway into the City of Roswell. The existing bridge over Willeo Creek currently carries two lanes of traffic with no shoulders and has a low sufficiency rating. The new bridge will be designed and detailed to produce a minimum design life of 75 years with low long-term maintenance costs. The proposed bridge typical section will continue the context-sensitive cross-section of Lower Roswell Road in Cobb County onto Willeo Road with a multi-use path, sidewalk and bicycle lanes. The proposed design avoids any impact to the adjacent National Park Service property, and minimizes impact to existing utilities			
09/17–03/22	GDOT, CR 511/Brown Bridge Road at Snapping Shoals Bridge Replacement, Covington, GA <i>Bridge Engineer</i>. Gresham Smith provided roadway design and bridge engineering services for a bridge replacement on Brown Bridge Road over Snapping Shoals Creek as well as bridge hydraulic study; plans for signing and marking, right-of-way, utilities, drainage and erosion control, NEPA and GDOT Environmental Procedures Manual compliance, and lead public outreach.			
04/19–12/20	GDOT, SR 10 Loop over SR 8 & West Fork Trail Creek Bridge Replacements, Clarke County, GA <i>Bridge Engineer</i>. Gresham Smith worked closely with the GDOT to provide the roadway design and bridge engineering services for the replacement of twin bridges over SR 8 and West Fork Trail Creek. The team used a combination of raising the vertical profile of SR 10 and implementing the shallow Florida I-beam in the design to improve the vertical clearance of bridges that have been impacted in the past by vehicles traveling SR 8.			
01/25–Ongoing	TDOT, Bridge Maintenance and Repair Contract, Regions 1, 2 & 3, TN <i>Senior Engineer</i>. This contract has included underwater bridge inspections, routine structural repairs, superstructure replacements and widening, full structure replacements and Accelerated Bridge Construction projects. It more specifically includes I-65 over SR 76 and I-65 over Cartwright Circle and Williamson Road bridge repair projects.			

16. Staff Experience:

Gresham Smith

**Robin Lovett, P.E.**

Senior Bridge Engineer

Years of experience with this employer

27

Years of experience with other employer(s)

13

Degree(s) / Years / Specialization

Bachelor of Science / 1985 / Tennessee Technological University

Active registration number / state / expiration date

P.E.22275 / TN / Exp. 07/31/2027

Year registered

1991

Discipline

P.E. / Civil

Contract role(s) / brief description of responsibilities

Senior Bridge Engineer / Robin will support the QA/QC tasks along with bridge design tasks.

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).**

10/17–Ongoing

TDOT, Bridge Maintenance and Repair Contract, Regions 1, 2 & 3, TN | Project Engineer. This contract has included underwater bridge inspections, routine structural repairs, superstructure replacements and widening, full structure replacements and Accelerated Bridge Construction projects. Donald's responsibilities included preliminary layouts, bridge inspections, superstructure design, substructure design, quantities, and preparing and organizing plan sheets and detail sheets.

06/21–04/24

TDOT, Broadway Viaduct (SR 1) CM/GC Owner's Representative, Nashville, TN | Project Engineer. Gresham Smith was TDOT's Owner Representative and designed the replacement of the aging Broadway Viaduct over CSXT RR yard and 11th Avenue in Nashville. This CM/GC project included Accelerated Bridge Construction (ABC) techniques to minimize impacts to both vehicular and pedestrian traffic and to local businesses. The bridge was replaced in only 12 months instead of multiple years of traditional phased construction, during which the contractor was allowed a mere 8-week maximum full closure of Broadway. Gresham Smith designed the roadway and bridge with innovative design features and aesthetic treatments. PlanGrid was used for project documentation distribution, reviews, and storage

09/18–05/22

TDOT, US 64 (SR 40) Bridge over Ocoee River Owner's Representative, Polk County, TN | Project Engineer. Gresham Smith was the Owner's Representative for this Design-Build project replacing the bridge carrying SR 40 over the Ocoee River. Our services included preparation of the RFP and 30% plans, providing Design-Builder procurement services, review of all Design-Builder submittals, and construction phase services. The bridge is recognized as a gateway to the region, so aesthetic features were desired by TDOT to enhance the appearance of the bridge. Gresham Smith prepared bridge renderings showing the proposed aesthetics which were well received at a public meeting on the project. Gresham Smith also provided utility coordination services both during the design phase and during construction. PlanGrid was used for project documentation distribution, reviews, and storage

16. Staff Experience:

Gresham Smith

**Harris Hassan, P.E.**

Senior Bridge Engineer

Years of experience with this employer

1

Years of experience with other employer(s)

12

Degree(s) / Years / Specialization

Master of Science / 2014 / Civil Engineering, University of Illinois at Chicago;
Bachelor of Science / 2012 / Civil Engineering, University of Minnesota – Twin CitiesActive registration number /
state / expiration date

P.E. 140495 / TX / Exp. 12/31/26

Year registered

2021

Discipline

P.E. / Civil

Contract role(s) / brief description of responsibilities

Senior Bridge Engineer / Harris will support the structural repair, design and inspection tasks.

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).

08/23–08/25

Dallas-Fort Worth International Airport, International Parkway Terminals A & B, Dallas, TX | Bridge Lead. Harris served as the Bridge Lead for Terminal A & B of the DFW Right Exits Design-Build project. He assigned design tasks to a team of designers and CADD technicians to ensure timely project completion and was successful in achieving that goal. Harris collaborated with the roadway, drainage, and utilities teams to set the superstructure geometry and maintained consistent weekly communication with the client.

06/24–08/25

Dallas-Fort Worth International Airport, SS399 Airport Expansion, Dallas, TX | Bridge Lead. The bridge design scope included four new structures and two braided bridges along SS399, supporting infrastructure expansion near the proposed North Dallas Airport. These bridges were designed to accommodate complex traffic movements and required careful integration with future roadway configurations. Harris began the effort by defining geometry, span layouts, and substructure types in accordance with TxDOT and AASHTO criteria. Each bridge required consideration of site-specific constraints such as existing utilities, phased construction requirements, and geotechnical conditions.

02/24–08/25

New York Metropolitan Transit Authority (MTA), Subway Inspection, New York City, NY | Bridge Inspections. Harris performed inspections and structural ratings of underground MTA substations, focusing on evaluating key components within subway stations, including platforms, girders, track walls, rails, and guardrails. He produced detailed structural condition reports and assigned ratings based on observed integrity. Additionally, Harris reviewed and refined peer reports to maintain technical consistency and adhere to reporting standards.

05/22–05/23

TxDOT, IH 20 East Project, Dallas, TX | Senior Structural Engineer. Harris conducted structural design and plan preparation for multiple bridges using 3D modeling in OpenRoads Bridge (ORB). His responsibilities included overseeing structural staff, performing QA/QC, conducting structural design calculations, and coordinating with multiple disciplines to meet overall project goals.

08/16–12/18

TxDOT, SH 288 Widening Project, Houston, TX | Structural Staff Engineer. Harris worked on the widening of SH 288, which involved designing additional substructure and a new superstructure. He was responsible for the plan preparation and design of a widened three-span PPC girder bridge over Kirby Drive. The substructure included multi-column bents and stub abutments founded on drilled shafts. This bridge was part of a design-build project supporting the added SH 288 toll lanes and interchange reconstruction south of downtown Houston.

Gresham Smith

16. Staff Experience:

Gresham Smith			
 Ruth Park, P.E. Bridge Engineer	Years of experience with this employer		9
	Years of experience with other employer(s)		0
Degree(s) / Years / Specialization		Bachelor of Science / 2018 / Civil Engineering / Lipscomb University	
Active registration number / state / expiration date		P.E.126968 / TN / 10/31/2026	
Year registered		2022	Discipline P.E. / Civil
Contract role(s) / brief description of responsibilities		Bridge Engineer / Ruth will support the structural repair, design, inspection and load rating tasks.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
04/22–06/22	LADOTD, Complex Bridge Inspections, Statewide, LA <i>Engineer Intern</i>. Retainer project for various bridge inspections of major river crossings. Ruth assisted with the bridge inspection of the I-10 Vicksburg Bridge for DOTD. Task included field inspection of the mile-long approach spans utilizing boat as access in the flooded areas inside the levee.		
07/19–Ongoing	TDOT, Complex Bridge Load Ratings, Statewide, TN <i>Engineer Intern</i>. Ruth provided support for the bridge load ratings on approximately 115 complex structures and 35 standard structures across the state of Tennessee. Complex structures were analyzed utilizing finite element methods and CSi Bridge software. The structures load rated consisted of curved steel tub girders, steel arches with steel cables supporting steel floor beam – stringer systems, deck trusses, bascule arched steel truss, steel girder-floor beam-stringer system bridges, steel rigid K-frame bridges, and reinforced concrete rigid k-frames with spliced prestressed girders for center span bridges. The standard structures were analyzed using the AASHTOWare BrR software.		
10/17–Ongoing	TDOT, Bridge Maintenance and Repair Contract, Regions 1, 2 & 3, TN <i>Engineer Intern</i>. This contract has included underwater bridge inspections, routine structural repairs, superstructure replacements and widening, full structure replacements and Accelerated Bridge Construction projects. Donald’s responsibilities included preliminary layouts, bridge inspections, superstructure design, substructure design, quantities, and preparing and organizing plan sheets and detail sheets.		
06/21–04/24	TDOT, Broadway Viaduct (SR 1) CM/GC Owner’s Representative, Nashville, TN <i>Engineer Intern</i>. Gresham Smith was TDOT’s Owner Representative and designed the replacement of the aging Broadway Viaduct over CSXT RR yard and 11th Avenue in Nashville. This CM/GC project included Accelerated Bridge Construction (ABC) techniques to minimize impacts to both vehicular and pedestrian traffic and to local businesses. The bridge was replaced in only 12 months instead of multiple years of traditional phased construction, during which the contractor was allowed a mere 8-week maximum full closure of Broadway. Gresham Smith designed the roadway and bridge with innovative design features and aesthetic treatments. PlanGrid was used for project documentation distribution, reviews, and storage		

16. Staff Experience:

Gresham Smith

**Fadi Alsharif, P.E.**

Senior Bridge Engineer

Years of experience with this employer

1

Years of experience with other employer(s)

16

Degree(s) / Years / Specialization

Bachelor of Science / Civil Engineering, University of Jordan;
Master of Science / 2014 / Civil Engineering, University of Illinois at Chicago

Active registration number / state / expiration date

P.E. 84483 / FL / Exp 2/28/2027

Year registered

2018

Discipline

P.E. / Civil

Contract role(s) / brief description of responsibilities

Senior Bridge Engineer / Fadi will support the structural repair, design, inspection and load rating tasks.

Experience dates (mm/yy–mm/yy)

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

10/23–02/25

FDPEP, Florida Keys Overseas Heritage Trail | Bridge Engineer. The project involved the rehabilitation of 8 bridges into a trail. At the first phase of the project and as an inspection team leader, Fadi conducted inspections for 8 trail bridges and provided an assessment report for each bridge. At the second phase, Fadi provided bridge rehabilitation plans to remove the bridge overhangs and construct pedestrian railings.

06/24–02/25

FDOT D3, SR 10 over Marquis Bayou, Florida, District 3 | Bridge Engineer. Structural engineer responsible for creating a bridge developmental report and 30% plans for the widening of the existing 8-span 296 ft long skewed bridge, located on a horizontal curve. The new bridge width is 95'-7" instead of the existing 57'-8"

04/23–07/24

FDOT D3, Hub Presley Rd over Pond Creek Bridge | Engineer of Record. Structural engineer of record responsible for the analysis and the design of the bridge replacement of the existing structurally deficient bridge. The proposed bridge is a 3 spans flat slab bridge with a total length of 90 ft.

06/25–03/26

LADOTD, Movable Bridges Contract, Statewide, LA | Bridge Engineer Intern. Fadi performed a hands-on inspection for this 160' long, swing-span movable bridge superstructure and substructure, in addition to the approach spans. Fadi's inspection identified defects along the structure. Fadi also performed load rating of the swing-span bridge including the as-built and the inspected conditions using AASHTOWare Bridge Rating Software and MIDAS Civil.

10/19–02/21

FDOT, Silver Springs State Park Pedestrian Bridges, Ocala, FL | Engineer of Record. Fadi was the Engineer of Record and the structural engineer responsible of designing a 65-foot long single span, 8-foot wide pedestrian timber bridge, connected to boardwalks with a total length of 1000 ft and additional trails, in addition to preparing the structural plan set. All structural elements were designed to facilitate a top-down construction due to the project's location in an archaeologically sensitive portion of Silver Springs State Park.

16. Staff Experience:

Gresham Smith

**Ryan Horn, EI**

Bridge Engineer Intern

Years of experience with this employer

7

Years of experience with other employer(s)

3

Degree(s) / Years / Specialization

Bachelor of Science / 2019 / Civil Engineering, The University of Georgia

Active registration number / state / expiration date

EI. 028076 / N/A

Year registered

EI (2019)

Discipline

E.I. / Civil

Contract role(s) / brief description of responsibilities

Bridge Engineer Intern / Ryan will support the structural repair, design and inspection tasks.

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

06/21–08/21

FDEP, Florida Keys Overseas Heritage Trail Bridge Evaluations, Monroe County, FL | *Bridge Inspector*. Ryan assisted with the bridge inspection and evaluation of two historic bridges in the Florida Keys. The bridges include the Seven Mile Bridge and the BahiaHonda Truss structures. Both bridges are closed to all use and Gresham Smith was tasked with evaluating the structures, documenting the condition and proposing rehabilitation/replacement options. Inspection activities included both visual observation from a boat and drone video documentation. Ryan served as boat operator, assistant inspector, and spotter for drone flights.

01/19–10/24

GDOT, Bridge Replacement, SR 10/ US 78 at North Oconee River, Clarke County, GA | *Bridge Engineer*. Gresham Smith designed the replacement of the existing SR 10/US 78 rural bridge over the North Oconee River, which is approximately 215 feet long and 89 feet wide. We developed the environmental document with NEPA guidelines, preliminary and final roadway plans, and preliminary and final bridge plans. This project is still ongoing. Ryan was responsible for Concept layouts, Existing plan research and site visit for field measurements. Including final bridge deck, beam design and plan production. As well as designing the closed system deck drainage system and generating deck drainage calculations.

01/19–01/21

GDOT, SR 10 Loop EB and WB at SR 8/US 29, PI #0013716, GA | *Bridge Engineer*. This project involves the replacement of twin bridges located along SR 10 Loop over SR 8/US 28 and West Fork Trail Creek utilizing median crossovers to allow for traffic to be maintained during all phases of construction and reduce the number of detours. Ryan was responsible for preliminary bridge plans and final bridge plans, including geometric layout, preliminary beam and deck design.

16. Staff Experience:

Gresham Smith

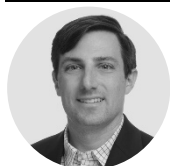
Rachel Westerfield, P.E., CFM
Hydraulics Engineer

 Rachel Westerfield, P.E., CFM Hydraulics Engineer		Years of experience with this firm/employer		6
		Years of experience with other firm(s)/employer(s)		18
Degree(s) / Years / Specialization		Bachelor of Science / 2002 / Biological Engineering, Mississippi State University		
Active registration number / state / expiration date		P.E.0044018 / LA / Exp. 09/30/2027; ASFPM Certified Flood Plain Manager (CFM) #35861 / 2016		
Year registered		2019 (LA) 2007 (MS)	Discipline	P.E. / Civil
Contract role(s) / brief description of responsibilities			Lead Hydraulic Engineer / Rachel will lead any hydraulic assignments for this contract.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
Career	Rachel has over 22 years of drainage experience including eight years of experience as a consultant delivering multiple task orders for on-call IDIQ contracts for drainage design services specializing in Bridge Hydraulics including GDOT, MDOT, TDOT and KYTC. Rachel served on the AASHTO Technical Committee on Hydrology and Hydraulics (ATCHH) from 2012-2017, and also participated in the NCHRP 20-68A “Bridge Scour Risk Management”. Rachel's project expertise includes hydrologic analysis; bridge hydraulic design and reviews including determining the most suitable bridge configurations and alternatives; highway hydraulic design including channels, culverts, and energy dissipators, hydraulic modeling including HEC-RAS and SMS/SRH2D); bridge deck drainage; bridge scour analysis and evaluations (existing and proposed); stream stability and countermeasure design; hydraulic reports including FEMA studies for No-Rise/No-Impact Certifications, CLOMR and LOMR applications; bridge recommendations and plans for conceptual and preliminary submittals, as well as assisting with Drainage Manual development. Rachel has also presented at the National Hydraulic Engineering Conference in 2022 and 2024. Based on her extensive knowledge and experience of hydrology and hydraulics designs as well as best practices in an ever expanding field of drainage, Rachel has implemented an effective QC/QA process to ensure that hydraulic designs meet federal, state and local regulations especially specific policies and procedures as applied to each DOT.			
2003–2017	MDOT, Jackson, MS Hydraulics Division Director – State Hydraulics Engineer. As the Administrator of the Hydraulics Division, Rachel was responsible for management and oversight of the Hydraulics Division which provides hydraulic engineering support for all MDOT Districts statewide. She performed project management and administration duties to ensure the successful completion of hydraulic design for every drop of water that comes in contact with MDOT roadways and bridges in accordance with state and federal regulations. Rachel ensured that proper design and analysis were completed, including one dimensional and two dimensional hydraulic modeling of riverine and bridge systems as well as detailed scour analyses in accordance with state and federal regulations. Also served as a participant representing Mississippi DOT as a selected practice from fourteen invited state DOTs for the NCHRP Project 20-68A, Scan 15-02 <i>Bridge Scour Risk Management</i> in 2016.			
09/18–04/25	GDOT Drainage Design Policy Manual (DDPM), Statewide, GA Senior Hydraulic Engineer/ Technical Writer. Gresham Smith was tasked with developing the GDOT DDPM. Services provided under this task order include complete review			

	and reorganization of the current manual, removing references to any federal policy and procedures and restructuring the manual to be strictly GDOT policy focused that is clear and concise. Deliverables include overall manual structure and outline, work plan, and individual chapter submittals to GDOT for review. Rachel authored and reviewed several chapters of the newly published manual including Design Guidelines and Standards, Hydrology, Culverts, and Bridge Hydraulics.
01/22–04/24	MDOT, 2021 WA #1 US 51 at Big Black River and Reliefs - Bridge Hydraulic Design Madison and Yazoo Counties, MS Project Manager & QA/QC. Rachel was responsible for the completion of bridge hydraulic design for five existing bridge replacements for the US 51 crossing along the Big Black River floodplain. Gresham Smith completed field reconnaissance, data gathering, SMS/SRH-2D hydraulic models, stream stability analysis, scour calculations, countermeasure design, Hydraulic Report and Bridge Layout Drawings. SMS/SRH-2D were used to determine the most cost efficient bridge waterway opening and scour elevations meeting bridge hydraulic design criteria.
09/19–08/21	MDOT, 2018 HY WA #3 I-55 Scour Evaluations, Statewide, MS Project Manager & QA/QC. Gresham Smith provided Phase I and II Bridge Scour Evaluations for Beaver Creek, Dickerson Creek, Dye Branch, and West Ditch at I-55 in Pike, Lincoln, Copiah, and Tate Counties, respectively. Rachel was responsible for the completion of Phase I and II Bridge Scour Evaluations per FHWA HEC18 guidance for four sites across the state including 2-D hydraulic models (SRH-2D), scour evaluations, recommendations and report. Phase I qualitative analysis included defining stream characteristics, evaluating land use changes, assessing overall stream stability, and evaluating lateral and vertical stability. Phase II scour analysis included determining velocity and flow distributions; evaluating bed and bank material, watershed sediment, incipient motion, armoring potential, and rating curves; evaluating scour conditions; and calculating scour depths for the existing bridge crossings. Recommendations and findings were provided to MDOT.
06/22–12/23	MDOT, 2021 WA #2 SR 145 over Euclatubba Creek Tributary located 500 feet south of Industrial Park Road, Lee County, MS Project Manager & EOR. Gresham Smith provided a FEMA analysis utilizing HEC-RAS for the crossing of Euclatubba Creek Tributary at SR 145 to determine if the existing box bridge could be extended per Roadway Design plans. Once Gresham Smith determined that the proposed extension would not meet state and federal regulations, alternatives were investigated to determine the best recommendation to replace the existing box. A FEMA No-Rise Certification was provided for a proposed box replacement. Rachel served as the project manager and engineer-of-record for this study.
2023–Ongoing	TDOT, SR 150 Corridor Drainage and Feasibility Study, Weakly County, TN QA/QC Technical Lead Rachel was responsible for the successful completion of a drainage study to investigate flooding problems along SR-150 in Marion County, TN. The study involved completing a complete hydrologic analysis of the watershed as well as completing a two-dimensional hydraulic model using SMS/ SRH-2D to compare pre-project to post-project impacts of the newly constructed corridor. Gresham Smith also provided proposed improvements that could be completed within right-of-way for the corridor to reduce the drainage issues at present.
05/24–02/25	TDOT, Ralston Road over North Fork Obion River and Reliefs, Marion County, TN QA/QC Technical Lead Rachel was responsible for the completion of bridge hydraulic design for five existing bridge replacements for the Ralston Road crossing along the North Fork Obion River floodplain. Gresham Smith completed field reconnaissance, data gathering, SMS/SRH-2D hydraulic models, stream stability analysis, scour calculations, countermeasure design, Hydraulic Report and Bridge Layout Drawings. SMS/SRH-2D were used to determine the most cost efficient bridge waterway opening and scour elevations meeting bridge hydraulic design criteria.

16. Staff Experience:

Gresham Smith

**Nick Sopchak, P.E.**

Transportation Engineer

Years of experience with this firm/employer

8

Years of experience with other firm(s)/employer(s)

4

Degree(s) / Years / Specialization

Bachelor of Science / 2012 / Civil Engineering, University of Georgia

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

P.E.0033620 / MS / Exp. 12/31/2025; P.E.0046571 / GA / 12/31/2025

Year registered2023 (MS)
2020 (GA)**Discipline**

P.E. / Civil

Contract role(s) / brief description of responsibilities

Transportation Engineer / Nick will support hydrologic and hydraulic analysis for bridge and highway systems, including scour evaluations and FEMA-related studies. His experience includes 1D modeling with HEC-RAS, 2D modeling with SRH-2D, and preparation of technical documentation and final deliverables.

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

2017–2020

GDOT, Special Drainage Studies – On-Call, Indefinite Delivery, Indefinite Quantity (IDIQ) Contract, Districts 1,2,4 & 5, GA | *Hydraulics Engineer*. Working for Gresham Smith, Nick has provided hydrologic and hydraulic evaluations, analysis, and recommendation of solutions for persistent drainage issues across four of the State’s seven Districts. Typical projects involved hydrologic analysis for various projects, and hydraulic analysis for culverts, roadways, urban stormwater systems, flooding issues, emergency projects, bridge hydraulic studies, scour analysis, and post-construction BMP design aimed at resolving existing drainage problems.

10/18–06/20

City of Atlanta Department of Watershed Management, TO #46, Niskey Lake Culvert Replacement Program, Atlanta, GA | *Hydraulics Engineer*. This TO involved a hydrologic and hydraulic evaluation for 19 culverts to provide recommendations to improve stormwater conveyance and to reduce erosion and sedimentation into Niskey Lake.

03/12–03/15

City of Roswell, Big Creek Parkway Planning, Environmental and Design, Roswell, GA | *Transportation Engineer*. Project responsibilities included the hydrologic analysis and design of the on-site stormwater conveyance. Design of Post-Construction Stormwater BMPs per guidance provided in the Department’s Drainage Design Manual to meet the State’s NPDES Permit requirements for MS4 designated areas. This was accomplished by design and implementation of bioretention basins used to capture and treat direct runoff from impervious areas.

Career

Nick’s well-rounded range of experience spans urban construction projects, to scope and fee development and stormwater management design relevant to transportation projects. His experience includes bridge and culvert hydraulic studies, floodplain analysis, sustainability practices, drainage system design, utilizing the GDOT Drainage Design for Highway Manual, FHWA Highway Drainage Publications. post-construction stormwater BMP design for MS4 Permit compliance to municipal/state DOTs.

16. Staff Experience:

Gresham Smith				
 Alben Cooper III, P.E., PTOE Senior Traffic Engineer	Years of experience with this employer			2
	Years of experience with other employer(s)			17
Degree(s) / Years / Specialization		Bachelor of Science / 2006 / Civil Engineering, Louisiana State University		
Active registration number / state / expiration date		PE.0036291 / LA / Exp. 9/30/27 PTOE 3206 / Exp. 5/2/27		
Year registered		2011 (LA) 2012 (PTOE)	Discipline	P.E./Civil; PTOE
Contract role(s) / brief description of responsibilities			Senior Traffic Engineer / Alben will lead the traffic engineering tasks.	
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).			
05/21–05/24	MovEBR, Sherwood Forest Blvd MUP, C-P Project No. 20-EN-HC-0027, Baton Rouge, LA – Senior Engineer. Gresham Smith was selected to perform a traffic study and design of the pedestrian signal accommodations and crosswalks along Sherwood Forest Blvd between South Harrell’s Ferry Road and Old Hammond Highway for the Sherwood Forest multi-use path. Alben performed QA/QC for the design of the traffic signals for the I-12 at Sherwood Forest Blvd interchange including pedestrian signals for the multi-use path along the west side of Sherwood Forest Blvd.			
08/20–08/21	Westbank Expressway at Whitney Ave Signal Modifications, Jefferson Parish, LA – Lead Designer. As lead designer, Alben was responsible for the design of signal modification at the intersection of Westbank Expy and Whitney Ave. The signal modifications were required to accommodate a new multi-use path crossing at the southern portion of the intersection. The crossing included audible push button activation for a pedestrian phase to run concurrently with the existing phasing. Alben coordinated with DOTD to ensure the design met all requirements for the signalized crossing.			
11/20–01/21	Livingston Counts and Crosswalk Studies, Livingston Parish, LA – Lead Engineer. This project included the collection of traffic/pedestrian data and performing crosswalk studies at four locations in Livingston Parish, LA. Alben was the lead engineer for this project and was responsible for overseeing each study, one of which included multiple school crossings. The crosswalk studies were prepared in accordance with the LADOTD Traffic Engineering Manual. Alben performed QA/QC for each study to ensure compliance with the guidelines in the manual.			
07/18–01/20	Fat City Improvements – Traffic and Parking Study, Jefferson Parish, LA – Lead Traffic Engineer. This traffic study was performed to evaluate potential improvements to the parking and circulation patterns within the area known as Fat City in Jefferson Parish, LA. The recommendations of the study were a part of an overall plan to revitalize Fat City. Alben was the lead traffic engineer on the project which relied heavily on communicating with the district councilperson and various stakeholders.			

16. Staff Experience:

Gresham Smith					
	Rebecca Murray, P.E., PTOE, RSP1 Traffic Engineer		Years of experience with this employer		11
			Years of experience with other employer(s)		0
Degree(s) / Years / Specialization		Bachelor of Science / 2015 / Civil Engineering, Louisiana State University			
Active registration number / state / expiration date		P.E.0043788 / LA / Exp. 3/31/28 PTOE 4861 / Exp. 3/26/29 RSP1 611 / Exp. 4/5/27			
Year registered		2019 (LA) 2020 (PTOE) 2021 (RSP1)	Discipline	P.E./Civil; PTOE; RSP1	
Contract role(s) / brief description of responsibilities			Traffic Engineer / Rebecca will assist with the traffic management plan tasks.		
Experience dates (mm/yy–mm/yy)		Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
04/18–05/19		LADOTD, I-10 TMP West of LA 108 to I-210 Interchange TMP, Lake Charles, LA <i>Pre-Professional</i> . Gresham Smith developed a TMP for the Rubblization and Overlay on I-10 between I-210 and the LA 108 Interchange. Included the mill and overlay of I-10, widening two flat deck bridges on I-10 to add a lane, and replacing all of the concrete panels on I-10 through the LA 108 interchange. Two temporary traffic signals were designed to facilitate traffic at this interchange, and this project included data collection and queue and safety analyses and traffic signal design. Rebecca assisted with traffic counts and queue analysis, safety analysis, alternate route/detour analysis, temporary traffic control, and development of the TMP report.			
10/17–04/18		LADOTD, US 90 Bridge Maintenance over I-10 Ramps, Transportation Management Plan (TMP), Lake Charles, LA <i>Pre-Professional</i> . Gresham Smith was selected to develop a TMP for the replacement of the bridge deck of the US 90 overpass over I-10 in Lake Charles, LA. The project included working with the design engineers to determine the required lane closures for the construction, data collection and queue and safety analyses. Rebecca’s role was to review traffic and crash data and assist with development of the TMP report.			
03/25–Ongoing		LADOTD, LA 24 Truck Route Study (Barataria Ave to Barrow St), Terrebonne Parish <i>Transportation Engineer</i> . Rebecca is the transportation engineer for a traffic study to evaluate the feasibility of removing the truck route designation from a section of LA 24 between Barataria Ave and Barrow St in Terrebonne Parish, LA. This includes the evaluation of suitable alternative truck routes throughout the region. This project requires close coordination with LADOTD and Terrebonne Parish Consolidated Government.			
05/17–03/19		LADOTD, I-210 at LA 1138-2 (Nelson Road) Interchange Modification Re-Evaluation Study, Lake Charles, LA <i>Pre-Professional</i> . Gresham Smith was selected to develop a calibrated VISSIM model to model existing conditions and the future proposed diverging diamond interchange at I-210 at Nelson Road in order to evaluate the proposed interchange design. Rebecca was responsible for overseeing data collection, participated on the RSA team, conducting safety analysis, development of VISSIM models, development of alternatives and development of the report.			

16. Staff Experience:

Gresham Smith

Brennon Hughes, P.E.
Lead Roadway Design Engineer

 Brennon Hughes, P.E. Lead Roadway Design Engineer		Years of experience with this firm/employer		8
		Years of experience with other firm(s)/employer(s)		7
Degree(s) / Years / Specialization		Bachelor of Science / 2011 / Civil Engineering, Louisiana State University		
Active registration number / state / expiration date		P.E.0039985 / LA / 3/31/28		
Year registered		2015	Discipline	P.E./Civil
Contract role(s) / brief description of responsibilities		Lead Roadway Design Engineer / Brennon will lead the roadway design tasks including cost estimates and development of bid packages.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
03/21–04/24	MSY, Task 4: Entrance Road Capacity, Kenner, LA Lead Roadway Design Engineer. Gresham Smith is currently providing design and project management for the City of New Orleans to widen the main exit road at Louis Armstrong New Orleans International Airport (MSY) from 2 lanes to 3 lanes. The project includes widening of approximately 1/4-mile of roadway, extending the roundabout slip lane exit from the roundabout and tying into the design-build flyover project currently under construction (S.P. H.011670). The completed widened road will connect the design-build freeway operated by LADOTD to the existing roundabout on the airport property, improving the flow of traffic from MSY.			
08/17–12/20	LADOTD, SRTS/LRSP Task Order 6 and 21: Endom Bridge Preliminary and Final Design, West Monroe, LA Lead Roadway Design Engineer. Brennon led the design and the preparation of preliminary and final plans and cost estimates. This project involves safety and operations improvements for the intersection realignment, curb and gutter drainage design, sidewalks, and turnouts. The project is currently under construction.			
10/24–Ongoing	LADOTD, Roundabout at Valhi Blvd and Civic Center Blvd, Houma, LA Project Manager. Gresham Smith is designing a multi-lane concrete roundabout at Civic Center Blvd and Valhi Blvd in Houma, LA, accommodating existing traffic and bike routes. The design maintains current lane configurations, adds a 10' shared-use path and 4' bike lanes, and includes sub-surface drainage for a 25-year storm. Completed 95% of Preliminary Plans as of April 2026, with geometric details, joint layouts, construction sequencing, and detour plans developed. A plan-in-hand meeting is scheduled for June 2026, followed by final design completion.			

04/20–11/22	City of Central (LA), Hooper Road (LA 408) at Sullivan Road (LA 3034) Roundabout Design <i>Lead Roadway/Roundabout Design Engineer</i>. Gresham Smith was tasked with the full roundabout design which will be in accordance with LADOTD's Roadway Design Manual geometric requirements and LADOTD's Complete Streets Policy to accommodate both pedestrians and bicycles through this intersection. Brennon is leading the design and the preparation of preliminary and final plans and cost estimates.
08/22–Ongoing	City of Gonzales, US 61 Superstreet (Lowes Ave to LA 44), Gonzales, LA <i>Lead Roadway Engineer</i>. Gresham Smith is currently performing the design to convert this section of US 61 to a Superstreet. This design will remove all of the uncontrolled median breaks and replace them with directional median U-Turn or J-Turn with exclusive turn lanes. These J-Turns will be controlled by a 2 phased traffic signal which will only stop one direction of US 61 so that the U-Turns can be made. Additionally, the existing signalized intersection of US 61 at Lowes and US 61 at LA 44 will be converted to Restricted Crossing U-Turns (RCUTs). Brennon is the lead engineer on this project, providing roadway design and signal design oversight.
06/21–01/24	EBR DTD, MovEBR-Plank Road Corridor Enhancement, Baton Rouge, LA <i>Lead Roadway Design Engineer</i>. Gresham Smith was selected to perform the corridor enhancement of Plank Road between Dawson Drive to Harding Boulevard. This project will include a topographic survey, a design study for bicycle and pedestrian facilities, improved drainage, transit facilities, new traffic signals and street lighting. Once the design study is complete the project will move into the development of design plans. The project will result in a revitalized corridor with improvements for all users.
09/17–06/19	LADOTD, SRTS/LRSP Task Order 7: McMillan Street at Blanchard Street Design, West Monroe, LA <i>Lead Roadway Design Engineer</i>. This was a striping and intersection improvement project in West Monroe, LA. Brennon's role was to lead the design and the preparation of preliminary and final plans and cost estimates. The scope included the design and installation of an ADA ramp and a new crosswalk for pedestrian safety.
9/21–12/23	LADOTD - SRTPPP TO #2 (Bonner Street Ped Impr) (Ruston), Ruston, LA <i>Project Manager</i>. LADOTD initially contracted with Gresham Smith to prepare and coordinate a design study report which presents a project scope, progress schedule and preliminary cost estimate for engineering and construction of curbing, bulb-outs, pavement markings, signs, walkway lighting, and other safety enhancements at the Bonner Street Bridge in downtown Ruston, Louisiana. Subsequently, a design project was initiated which included the following engineering services: topographic surveying along with the preparation of preliminary and final plans and cost estimates. Brennon led the design and preparation of preliminary and final plans and cost estimate.
10/25–Ongoing	LADOTD, Natchitoches Safe Streets Revitalization, Natchitoches, LA <i>Project Manager</i>. Gresham Smith is under contract with the City of Natchitoches to provide design services including sidewalk design, pedestrian crossing enhancements, bike lane design, lighting, drainage, and pavement rehab design.
07/22–01/26	LADOTD, SRTPPP Greenwell Springs & Wooddale Sidewalks, Baton Rouge, LA <i>Transportation Engineer</i>. Gresham Smith is providing design services in connection with the installation of sidewalks and other pedestrian safety features along Greenwell Springs Road and Wooddale Blvd. Brennon is leading the design and preparation of preliminary and final plans and cost estimate.

16. Staff Experience:

Gresham Smith				
	Richard Savoie, P.E. Senior Roadway Engineer		Years of experience with this firm/employer	7
			Years of experience with other firm(s)/employer(s)	40
Degree(s) / Years / Specialization		Bachelor of Science / 1978 / Civil Engineering, McNeese State University		
Active registration number / state / expiration date		P.E.0020936 / LA / 9/30/26		
Year registered		1983 (LA)	Discipline	P.E./Civil
Contract role(s) / brief description of responsibilities		Senior Roadway Engineer/ Richard will assist on the roadway design teams and provide QA/QC		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
03/21–04/24	MSY, Task 4: Entrance Road Capacity, Kenner, LA Senior Engineer. Gresham Smith is currently providing design and project management for the City of New Orleans to widen the main exit road at Louis Armstrong New Orleans International Airport (MSY) from 2 lanes to 3 lanes. The project includes the widening of approximately 1/4-mile of roadway, extending the roundabout slip lane exit from the roundabout and tying into the design-build flyover project currently under construction (S.P. H.011670). The completed widened road will connect the design-build freeway operated by LADOTD to the existing roundabout on the airport property, improving the flow of traffic from MSY. Richard performed Quality Control reviews on the final preliminary design submission and is overseeing Quality Control on the final design process.			
09/18–12/20	LADOTD, SRTS/LRSP Task Order 6 and 21: Endom Bridge Preliminary and Final Design, West Monroe, LA Senior Engineer. The project consisted of roadway realignment at the bridge approach to improve roadway geometry and safety. Right-of-way is being acquired at one quadrant of the intersection and Richard is assisting with the coordination between the right-of-way plans and the roadway requirements. Richard performed Quality Control reviews on the final preliminary design submission and is overseeing Quality Control on the final design process.			
04/20–11/22	City of Central (LA), Hooper Road (LA 408) at Sullivan Road (LA 3034) Roundabout Design Senior Engineer. Gresham Smith was tasked with the full roundabout design which will be in accordance with LADOTD's Roadway Design Manual geometric requirements and LADOTD's Complete Streets Policy to accommodate both pedestrians and bicycles through this intersection. Richard was responsible for overall Quality Control on the project. He mentored the engineering staff on the field evaluation requirements, reviewing all potential improvements, and performed QC reviews on the preliminary and final design plan submissions.			
08/22–Ongoing	City of Gonzales, US 61 Superstreet (Lowes Ave to LA 44), Gonzales, LA Project Manager. Gresham Smith is currently performing the design to convert this section of US 61 to a Superstreet. This design will remove all of the uncontrolled median breaks and replace them with directional median U-Turn or J-Turn with exclusive turn lanes. These J-			

	Turns will be controlled by a 2 phased traffic signal which will only stop one direction of US 61 so that the U-Turns can be made. Additionally, the existing signalized intersection of US 61 at Lowes and US 61 at LA 44 will be converted to Restricted Crossing U-Turns (RCUTs).
06/21–01/24	EBR DTD, MovEBR-Plank Road Corridor Enhancement, Baton Rouge, LA <i>Project Manager</i>. Gresham Smith was selected to perform the corridor enhancement of Plank Road between Dawson Drive to Harding Boulevard. This project will include a topographic survey, a design study for bicycle and pedestrian facilities, improved drainage, transit facilities, new traffic signals and street lighting. Once the design study is complete the project will move into the development of design plans. The project will result in a revitalized corridor with improvements for all users. Richard is managing the project on a day-to-day basis and leading the coordination with our sub-consultants.
09/18–01/20	LADOTD, SRTS/LRSP Task Order 18: Denham Springs Striping Design, Livingston Parish, LA <i>Senior Engineer</i>. This project includes the site evaluation of 9 local roadways with the highest accident rate history in the City of Denham Springs. Gresham Smith performed ball bank evaluations for every curve on the 9 routes and evaluated driveway locations, intersection geometry and signing issues. Richard was responsible for overall Quality Control on the project. He mentored the engineering staff on the field evaluation requirements, reviewed all potential improvements, and performed QC review on the preliminary and final design plan submissions.
10/18–05/21	LADOTD, SRTS/LRSP Task Order 16: Tangipahoa Striping Design, Tangipahoa Parish, LA <i>Senior Engineer</i>. This project includes the site evaluation of 39 state and local roadways with the highest accident rate history in the Parish. Gresham Smith performed ball bank evaluations for every curve on the 39 routes. Richard was responsible for overall Quality Control on the project. He mentored the engineering staff on the field evaluation requirements, reviewed all potential improvements, and performed QC review on the preliminary and final design plan submissions.
07/23–05/24	LADOTD, LA 3089 Serv Rd / LA 70 Up Stage 0 Study, Donaldsonville, LA <i>Project Manager</i>. Richard served as Project Manager for this Stage 0 Study that Gresham Smith delivered under our retainer contract for Stage 0 Studies. Richard was responsible for day-to-day operations and overall management of the project. This Stage 0 Study was completed two months ahead of schedule and was completed at nearly \$80,000 under budget.
02/90–03/14	LADOTD, Project and Program Delivery. Richard was the PM for the I-49 North project in Caddo Parish, from I-220 to the Arkansas State Line. The project started with the Corridor Selection Study and progressed to the Environmental Impact Study. Once the alignment was selected plan development began and thence project delivery for this \$670 million project. As the Deputy Chief and Chief Engineer, he met with program managers in the Engineering Division and approved and recommended changes to their budget partitions and project schedules. Worked with District Administrators to exchange mileage with local entities when new roadways were being added to the department's roadway mileage. Was the Engineering Division's voting member on the LADOTD's Project Delivery Steering committee responsible for the department's different programs budget partition approval and overall project delivery. Richard was the LADOTD's 1st Value Engineering Director beginning in 1998 when the department was recognized by FHWA with the "Big Kahuna Award" for an outstanding program.
05/80–02/06	LADOTD, Road Design <i>Design Engineer/Project Manager</i>. Richard spent 26 of his 34-year LADOTD career in Road Design. Starting as an EIT 1 progressing to Asst. Road Design Engineer responsible for project management of roadway design by staff and design consultants preparing roadway plans and developing roadway design projects.

16. Staff Experience:

Gresham Smith			
 Ryan Richard, P.E. Senior Engineer	Years of experience with this employer		<1
	Years of experience with other employer(s)		23
Degree(s) / Years / Specialization	Bachelor of Science / 2002 / Civil Engineering / Louisiana State University		
Active registration number / state / expiration date	P.E. 0033290 / LA / Exp. 09/30/27		
Year registered	2007	Discipline	Civil
Contract role(s) / brief description of responsibilities		Senior Engineer / Ryan will support the Roadway team.	
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).		
2/26–Ongoing	LADOTD, Natchitoches Safe Streets Revitalization, Natchitoches, LA Senior Engineer. Gresham Smith is under contract with the City of Natchitoches to provide design services including sidewalk design, pedestrian crossing enhancements, bike lane design, lighting, drainage, and pavement rehab design.		
2/26–Ongoing	LADOTD, SRTPPP TO #4, LA 60: Bogalusa, Bogalusa, LA Senior Engineer. Gresham Smith is conducting a pedestrian safety assessment along LA 60 in front of Bogalusa High School to address heavy student crossing demand during key times. The study follows LADOTD’s Traffic Engineering Process and identified multiple deficiencies such as worn crosswalks, inconsistent sidewalks, and parking encroachments. Several improvement alternatives, including school crossing signals, road diet, and sidewalk installation, are being evaluated. Coordination with LADOTD, school officials, and local stakeholders is ongoing to inform about potential access changes.		
2/26–Ongoing	LADOTD, SRTPPP TO #11 Community College Dr SUP, Baton Rouge, LA Senior Engineer. Gresham Smith is providing design services for the construction of a sidewalk and shared-use path along Community College Drive adjacent to and on the Baton Rouge Community College campus.		
12/25–Ongoing	LADOTD SRTPPP, Donaldsonville Sidewalk Improvements, Donaldsonville, LA Senior Engineer. Gresham Smith is currently performing design for the installation sidewalks, sub-surface drainage structures, and ADA crossing enhancements for this SRTPPP project.		
5/13–05/15 (With another firm)	LADOTD, US 190: Roundabout at Eden Church Road, Livingston Parish Engineer of Record. Ryan was the engineer of record for the design and plan preparation of a roundabout at the intersection of US 190 and Eden Church Rd. Replacing the signalized intersection with the roundabout improved the safety and efficiency of the intersection.		
11/20–11/25 (With another firm)	LADOTD, LA 675 @ Airport Rd Roundabout, New Iberia, LA Project Manager. Ryan was the Project Manager for Urban System Project to construct a roundabout at the intersection of LA 675 and the US 90 Frontage Rd.		

11/20–11/22 (With another firm)	LADOTD, Acadian Road Roundabout, Thibodaux, LA <i>Project Manager</i>. Ryan was the Project Manager for Urban System Project to construct a roundabout that incorporates 5 different routes improving the safety and efficiency for vehicles and pedestrians.
5/20–5/21 (With another firm)	LADOTD, US 190 (Gause Blvd) Sidewalk Improvements, Slidell, LA <i>Project Manager</i>. Ryan was the project manager for Urban System Project to replace sidewalk and curb ramps on both sides of US 190 from Front. St. to 14 th St.
6/21–6/22 (With another firm)	LADOTD, LA 24 Sidewalk Rehab, Houma, LA <i>Project Manager</i>. Ryan was the project manager for Urban System Project to replace sidewalk and curb ramps along LA 24 in downtown Houma from Barataria St. to New Orleans Ave.
6/21–6/22 (With another firm)	LADOTD, Alexandria Bike/Ped Plan Implementation, Phase 1, Alexandria, LA <i>Project Manager</i>. Ryan was the project manager for Urban System Project to place striping for bicycle and shared use lanes on multiple routes enhancing pedestrian and bicycle mobility in Alexandria.
12/22–12/24 (With another firm)	LADOTD, Downtown Thibodaux Sidewalks, Thibodaux, LA <i>Project Manager</i>. Ryan was the Project Manager for Urban System Project to replace sidewalk and curb ramps along 5 streets in downtown Thibodaux.

16. Staff Experience:

Gresham Smith					
	Ronnie Robinson, P.E. Senior Roadway Engineer			Years of experience with this firm/employer	10
				Years of experience with other firm(s)/employer(s)	33
Degree(s) / Years / Specialization		Bachelor of Science / 1982 / Civil Engineering, Louisiana State University			
Active registration number / state / expiration date		P.E.0024040 / LA / 3/31/28			
Year registered		1988	Discipline	P.E./Civil	
Contract role(s) / brief description of responsibilities			Senior Roadway Engineer / Ronnie will assist on the roadway design team.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i>, “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).				
02/17–12/20	LADOTD, SRTS/LRSP Task Order 6 and 21: Endom Bridge Preliminary and Final Design, West Monroe, LA <i>Senior Engineer.</i> Ronnie’s responsibilities included developing preliminary and final plans and construction cost estimates. His efforts included coordination of the contaminated waste investigation, drainage layout and quality control for the preliminary design.				
10/24–Ongoing	LADOTD, Roundabout at Valhi Blvd and Civic Center Blvd, Baton Rouge, LA <i>Senior Engineer.</i> Gresham Smith is contracted by Terrebonne Parish Consolidated Government to design a multi-lane concrete roundabout at the intersection of Civic Center Blvd and Valhi Blvd in Houma, LA, accommodating existing road features and a city bike route. The design maintains current lane configurations with two through lanes on Civic Center Blvd and one on Valhi Blvd and includes a 10-foot shared-use path and 4-foot bike lanes around the roundabout. Sub-surface drainage is designed for a 25-year storm, and geotechnical details are incorporated into the 60% preliminary plans completed as of October 2025. The project will advance with 90% plans by February 2026, including construction sequencing and detour plans, with no road closures permitted during construction.				
03/21–04/24	MSY, Task 4: Entrance Road Capacity, Kenner, LA <i>Senior Engineer.</i> Gresham Smith is currently providing design and project management for the City of New Orleans to widen the main exit road at Louis Armstrong New Orleans International Airport (MSY) from 2 lanes to 3 lanes. The project includes the widening of approximately 1/4-mile of roadway, extending the roundabout slip lane exit from the roundabout and tying into the design-build flyover project currently under construction (S.P. H.011670). The completed widened road will connect the design-build freeway operated by LADOTD to the existing roundabout on the airport property, improving the flow of traffic from MSY.				

16. Staff Experience:

Gresham Smith			
 Logan Michel, P.E. Engineer	Years of experience with this firm/employer		<1
	Years of experience with other firm(s)/employer(s)		10
Degree(s) / Years / Specialization	Bachelor of Science / 2015 / Civil Engineering, Louisiana Tech University		
Active registration number / state / expiration date	P.E.0032970 / LA / Exp. 3/31/28		
Year registered	2019	Discipline	P.E./Civil
Contract role(s) / brief description of responsibilities		Engineer / Logan will assist the roadway design team.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
10/24–Ongoing	LADOTD, Roundabout at Valhi Blvd and Civic Center Blvd, Houma, LA Engineer. Gresham Smith is designing a multi-lane concrete roundabout at Civic Center Blvd and Valhi Blvd in Houma, LA, accommodating existing traffic and bike routes. The design maintains current lane configurations, adds a 10' shared-use path and 4' bike lanes, and includes sub-surface drainage for a 25-year storm. Completed 95% of Preliminary Plans as of April 2026, with geometric details, joint layouts, construction sequencing, and detour plans developed. A plan-in-hand meeting is scheduled for June 2026, followed by final design completion.		
10/25–Ongoing	LADOTD, Roddy Rd at Black Bayou Rd Roundabout, Ascension Parish, LA Engineer. Gresham Smith is designing a single lane asphalt roundabout at the Roddy Rd and Black Bayou Rd (LA 934) intersection in Ascension Parish. The project is currently in preliminary design and features some project constraints such as existing gas lines, City of Gonzales water wells, and Right-of-Way which must be considered. The project will include sub-surface drainage. Logan is responsible for overall plan development including alignments and roundabout modeling.		
12/25–Ongoing	LADOTD SRTPPP, Donaldsonville Sidewalk Improvements, Donaldsonville, LA Engineer. Gresham Smith is currently performing design for the installation sidewalks, sub-surface drainage structures, and ADA crossing enhancements for this SRTPPP project. Logan is assisting with the preparation of plans for this project including sidewalk layout and quantities.		
1/26–Ongoing	LADOTD, SRTPPP TO #11 Community College Dr SUP, Baton Rouge, LA Engineer. Gresham Smith is providing design services for the construction of a sidewalk and shared-use path along Community College Drive adjacent to and on the Baton Rouge Community College campus. Logan is serving as project manager and lead project professional.		

10/25–Ongoing	LADOTD, Natchitoches Safe Streets Revitalization, Natchitoches, LA Engineer. Gresham Smith is under contract with the City of Natchitoches to provide design services including sidewalk design, pedestrian crossing enhancements, bike lane design, lighting, drainage, and pavement rehab design. Logan is assisting with the preliminary plans development including sidewalk layout and modeling.
08/22–05/25	I-10 & I-12 College Dr Flyover Ramp Design-Build Project: East Baton Rouge Parish, LA Design Engineer. Logan is Roadway Designer for the GEC/Boh Bros. team. GEC is responsible for engineering and design quality control services as necessary to complete the design and construction for the I-10 & I-12 College Dr Flyover Ramp Design-Build urban freeway transportation project. Design is in accordance with Louisiana Standard Specifications for Highways and Bridges and LADOTD's Roadway Design Procedures and Details Manual. Logan developed and revised Maintenance of Traffic (MOT) plans for all phases of construction. Logan is responsible for editing current or future design and revising previously approved plan sheets as the project progresses. He works closely with the contractor to provide safe and effective ongoing construction for all parties.
08/22–09/25	I-10 Widening, Williams to Veterans: Jefferson Parish, LA Project Engineer. Project included the design of the addition of a lane to the existing interstate and the widening/replacement of bridges to accommodate the additional lane. Logan is reviewing GEC's final plans, which are more than 95% complete in accordance with LADOTD's Roadway Design Procedures and Details Manual. Logan has coordinated with the Geotechnical engineer to prepare technical plan sheets for surcharge construction.
08/22–12/24	Bainbridge Ave. Roadway & Drainage Improvements: Kenner, LA Project Engineer. GEC prepared plans for the drainage design of the Bainbridge project. Logan's role consisted of preparing hydraulic calculations and drainage plan and profile sheets based on sub-consultant coordination, coordination with Jefferson Parish, and implementation of Parish standards. Also, Logan prepared technical specifications and an OPCC (Opinion of Probable Construction Cost) for GEC's portion of the design for each submittal stage.
10/23–09/25	IIJA Off-System Bridge Program, District 61 Less EBR: East & West Feliciana, Iberville, Pointe Coupee, West Baton Rouge, Ascension, and Assumption Parishes, LA Design Engineer. Projects include the design of a bridge spot replacement of off-system bridges. The design is in accordance with Federal Aid Off-System Highway Bridge Program and the Off-System Hydraulic Design Guidelines. Logan's tasks include horizontal and vertical geometry, guardrail design, hydraulic analysis of the project area and the existing bridge, hydraulic modeling and reporting, establishing approximate required right-of-way (ROW) limits, plan/pro-sheet development, cross section development, development of additional plan sheets, and preparing cost estimates for proposed design.
08/22–09/25	Bluebonnet Blvd (Perkins Rd to Picardy Avenue): East Baton Rouge Parish, LA Roadway QA/QC Engineer. This MOVEBR project consisted of providing engineering related services for Bluebonnet Blvd. from Perkins Rd. to Picardy Ave., which consisted of a design study and based on those findings, required final construction plans, signal design plans, traffic signal inventory, and green infrastructure details. Logan's responsibilities included QA/QC review of GEC final roadway plans, subconsultant coordination and plan changes based on design review comments from City-Parish and LADOTD and updating cost estimates and quantities based on any additional plan changes.

16. Staff Experience

Gresham Smith

**Julian Bordelon, P.E., IMSA II**

ITS / Street Lighting Design and Analysis

Years of experience with this employer

8

Years of experience with other employer(s)

2

Degree(s) / Years / Specialization		Bachelor of Science / 2018 / Electrical Engineering, Louisiana State University	
Active registration number / state / expiration date		P.E. 0047473 / LA / Exp. 9/30/27	
Year registered		2023 (LA)	Discipline P.E./Electrical and Computer
Contract role(s) / brief description of responsibilities		ITS Engineer / Julian will lead the Technical Support During Construction task and support the Engineering Plans, Specifications and Construction Estimates task.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
11/22–12/25	LADOTD, CEI H.013256, Scott to Lake Charles ITS, CEI, Lake Charles, LA Project Engineer . Gresham Smith is providing Construction Engineering Inspection Services, including a Project Engineer, on-site daily/nightly inspection and technical construction inspection, throughout the course of construction. Julian is assisting in contract administration, inspection and testing oversight.		
10/20–10/24	MDOT ITS, Meridian ITS Design, Meridian, MS TSM&O Engineer . Gresham Smith is developing a system engineering analysis, ITS design plans, and specifications for I-59/I-20 between the I-59 @ I-20 interchange and the Mississippi state line. The project will install new ITS equipment including fiber, electrical systems, cabinets, camera poles, Dynamic Message Sign (DMS) structures, and a communications hub. Julian performed system engineering analysis, ITS design, voltage drop calculations, plans preparation, and field reviews.		
12/18–05/24	LADOTD, LCG Adaptive Traffic Signal Design and Implementation, Lafayette Parish, LA Pre-Professional . Julian is responsible for field verification of traffic signal inventory (TSI) of LCG system, design plans for adaptive signal control intersections, and integration when the system is completed.		
1/19–3/24	LADOTD, CEI H.011500.6, Lake Charles Phase 3 ITS, CEI, Lake Charles, LA Pre-Professional . Gresham Smith is providing Construction Engineering Inspection Services, including a Project Engineer, on-site daily/nightly inspection and technical construction inspection, throughout the course of construction. Julian assisted in contract administration, inspection and testing oversight.		

Gresham Smith

8/24–02/26	LADOTD, Lafourche Flashing Yellow Arrow Signal Upgrades, Lafourche Parish, LA <i>Project Manager</i>. Gresham Smith was selected by LADOTD as part of the Traffic Engineering IDIQ with performing the inspection and design services required to upgrade the existing traffic signals in Lafourche Parish to Flashing Yellow Arrow (FYA) operations. This included all of the traffic signals in Lafourche Parish that currently operate with protected / permitted left turn operations that were currently not being upgraded by existing construction projects, which was 30 traffic signals on the state highway system.
04/21–04/24	Lafayette Consolidated Government, Johnston Street Relighting, Lafayette, LA <i>Lighting Engineer</i>. Julian performed a field inspection of the existing conditions and assisted in the development of electrical and lighting plans and details for 2 miles of US 167 Johnston St in Lafayette, Louisiana.
03/21–12/22	MovEBR, Jefferson Hwy at Bluebonnet, Baton Rouge, LA <i>Lighting Engineer</i>. Julian assisted in preliminary photometric analysis and street lighting design for the portions of Jefferson highway and Bluebonnet Boulevard adjacent to the intersection of Jefferson Highway and Bluebonnet Boulevard in Baton Rouge, Louisiana. Gresham Smith was selected as part of a team to perform the traffic design report and street lighting analysis and design for the portions of Jefferson highway and Bluebonnet Boulevard adjacent to the intersection of Jefferson highway and Bluebonnet Boulevard study in Baton Rouge, Louisiana. The goal of the traffic design report is to collect data at the study intersection, perform capacity analyses of existing and future traffic volumes and develop alternatives for improved capacity. The lighting analysis was performed to provide a design to relocate existing lighting to accommodate proposed roadway improvements at the intersection.
03/21–Ongoing	MovEBR, Bluebonnet Boulevard Sidewalks, Baton Rouge, LA <i>Lighting Engineer</i>. Julian performed photometric analysis, lighting design, and electrical design for the existing system from Mall Drive 1 to Bluebonnet Centre Boulevard and proposed a pedestrian lighting and electrical system design between the I-10 EB and I-10 WB Ramps in Baton Rouge, Louisiana. Julian also performed all voltage drop, arc flash, conduit sizing, and short circuit calculations for the lighting system. This lighting project should bring the pedestrian accommodations up to IES recommendations.
01/21–Ongoing	MovEBR, Plank Road Corridor Enhancement, Baton Rouge, LA <i>Lighting Engineer</i>. Julian was responsible for the electrical design, voltage drop, conduit sizing, and over current protection calculations for the lighting system on Plank Rd between Dawson Drive and Hooper Road. The purpose of this project is to improve the safety and mobility of both the vehicular and non-vehicular traffic through the Plank Road corridor from Dawson Drive to Harding Blvd. Gresham Smith is providing design study and lighting.

16. Staff Experience:

Modjeski and Masters, Inc.			
 Geoffrey Forest, P.E. Project Manager - Mechanical	Years of experience with this firm/employer		24
	Years of experience with other firm(s)/employer(s)		0
Degree(s) / Years / Specialization	Master of Science / 2001 / Mechanical Engineering Bachelor of Science / 2000 / Mechanical Engineering		
Active registration number / state / expiration date	P.E. 0045721 / LA / Exp. 09/30/2027		
Year registered	2021	Discipline	P.E. / Mechanical
Contract role(s) / brief description of responsibilities		Project Manager – Mechanical / Geoffrey will lead Modjeski and Masters for this contract.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
09/22–01/24	LADOTD, LA 82 Vermillion River Vertical Lift Bridge (Perry) Rehabilitation, Vermillion Parish, LA Engineer-of-Record. The Perry Vertical Lift Bridge is located on Hwy 82 in Vermilion Parish crossing the Vermilion River. The main span consists of a 75 foot lift span consisting of two main girders. The deck is an open grid deck supported on stringers and floorbeams. From abutment to abutment the bridge is approximately 383 feet long consisting of concrete decks on steel stringers. The superstructure is supported by piles. M&M led a team providing structural, mechanical, electrical, and architectural rehabilitation services to extend the service life of this bridge. Geoffrey was the EOR and led the mechanical design team for this vertical lift bridge rehabilitation. He led plan and specification development for replacement of the main drive machinery, counterweight ropes and sheaves, span rollers and guides, span locks and removal of existing equipment.		
01/14–04/20	LADOTD, US 11 Bridge Rehabilitation Design, New Orleans, LA Engineer-of-Record. M&M led a team providing structural, mechanical, electrical, and architectural rehabilitation services to extend the service life of the US 11 North and South bascule spans. The North bascule span is the only routinely operated span. In addition to repairs and improving the structural capacity to eliminate the weight posting of the bridge, the operator’s house will be enlarged, and the span converted to hydraulic operation. The South bascule span is only opened manually (with a crane) when access is needed to service electrical utility lines crossing the lake. The span toes will be replaced to improve the structural capacity to eliminate the weight posting of the bridge. The operator houses will be rehabilitated to retain their historic appearance. The bascule spans comprise the largest spans (149') of the overall 4.7-mile bridge over Lake Pontchartrain. Geoffrey was the EOR and led the mechanical design team for this unique bridge rehabilitation. The original machinery design included electric motors, open gearing, and a final rack and pinion set to move the bascule leaves. The span drive system was converted to hydraulic operation using linear hydraulic cylinders acting directly on the bascule girders. The bascule leaf superstructure and pier were modeled in 3D to aid in locating clearances and interferences with the new operating machinery.		

16. Staff Experience:

Modjeski and Masters, Inc.				
 Jeffrey Newman, P.E. Vice President & Mechanical Department Leader	Years of experience with this firm/employer			34
	Years of experience with other firm(s)/employer(s)			4
Degree(s) / Years / Specialization	Bachelor of Science / 1987 / Mechanical Engineering			
Active registration number / state / expiration date	P.E. 0031815 / LA / Exp. 09/30/2027			
Year registered	2005	Discipline	P.E. / Mechanical	
Contract role(s) / brief description of responsibilities		Department Leader – Mechanical / Jeffrey will assist Modjeski and Masters for this contract.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
10/13–05/21	LADOTD, 4th Street Harvey Bridge Rehabilitation. Harvey, LA <i>Engineer-of-Record</i>. Categorized as a high priority project, the electrical, structural and mechanical rehabilitation of the 4th Street Bridge in Harvey, LA became a top priority for M&M. The bridge, a double leaf rolling bascule movable bridge, is approximately 40 years old and has recently experienced reliability problems. The rehabilitation was done to allow the structure to operate reliably for an additional 30-40 years with regular maintenance. Jeffrey was the Engineer of Record for the plans and specifications for the mechanical design of this project.			
11/13–02/18	LADOTD, US 11 Bridge over Lake Pontchartrain, New Orleans, LA <i>Engineer-of-Record</i>. Within the US 11 Bridge, commonly known as the 5 mile bridge, are two double-leaf bascule spans (North Draw and South Draw). There was considerable damage to the bridge as a result of Hurricane Katrina. M&M was retained to determine the improvement needs structural, electrical and mechanical to extend the life by 20-30 years and to prepare rehabilitation plans. Jeffrey is the Engineer of Record for the mechanical design of this project.			
03/13–01/15	LADOTD, LA 1 West Larose Vertical Lift Bridge over ICWW, Larose, LA <i>Engineer-of-Record</i>. M&M provided rehabilitation plans for the upgrade of the structural, electrical, mechanical system to extend the life of the bridge 30-40 years for this vertical lift bridge. Additionally, a new fender system was designed, the operator house was significantly upgraded, and bridge repainted. A bridge inspection and development of scope of service preceded the preparation of plans. Jeffrey is the Engineer of Record for the mechanical design of this project.			
04/07–05/11	LADOTD, Mermentau Swing Bridge Rehabilitation at Grand Chenier, LA <i>Engineer-of-Record</i>. This Project was the rehabilitation of the LA 82 swing bridge over the Mermentau River. Included in the Project were structural repairs, electrical and mechanical upgrades, repainting, operator house upgrades, fender repairs, and traffic control devices. Traffic was maintained throughout the project. Mr. Newman was the Engineer of Record for all mechanical inspection, design and installation review.			

16. Staff Experience:

Modjeski and Masters, Inc.			
 David Barrett, P.E. Senior Technical Project Manager - Mechanical	Years of experience with this firm/employer		33
	Years of experience with other firm(s)/employer(s)		0
Degree(s) / Years / Specialization		Master of Science / 1993 / Mechanical Engineering Bachelor of Science / 1991 / Mechanical Engineering	
Active registration number / state / expiration date		P.E. 0038789 / LA / Exp. 09/30/2026	
Year registered	2014	Discipline	P.E. / Mechanical
Contract role(s) / brief description of responsibilities		Senior Technical Project Manager – Mechanical / David will assist Modjeski and Masters for this contract.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
06/11 – 10/17	Port of New Orleans. Seabrook Bridge Operational Issues. New Orleans, Louisiana Engineer-of-Record. M&M was contacted by the Port of New Orleans when the Seabrook Bascule Bridge experienced noises and stoppages during its operation. M&M quickly responded to perform a mechanical and structural inspection of the bridge and determined that a strain gage analysis was needed to accurately determine the cause of the vibration in the structure that was resulting in the stoppage. M&M performed the analysis and assisted the Port with the necessary repairs to rehabilitate the structure. David was the lead mechanical engineer for this project.		
11/16– 5/17	Port of New Orleans Seabrook Bridge Floor System Replacement. New Orleans, LA Mechanical Engineer. Modjeski and Masters prepared the plans and specifications to replace the railroad floor system between the trusses of the Seabrook Railroad Bridge for the Port of New Orleans. M&M also developed the sequence of construction to minimize the impacts to the rail and marine traffic as well as maintain the span balance throughout construction. David assisted the lead mechanical engineer for this project.		
02/17– 5/17	Port of New Orleans Seabrook Bridge Link Pin Joints Emergency - Construction Services. New Orleans, LA Lead Mechanical Engineer. After M&M completed the initial investigation and developed emergency repair contract documents for the partially failed 2nd Link joint on the Seabrook Strauss Bascule Bridge, the Port of New Orleans called upon M&M to provide Construction Support Services for the project. M&M reviewed all Contractor RFIs, shop drawings, and procedure submittals for the project. M&M also provided on-site construction inspection services throughout the repair effort. David assisted the lead mechanical engineer for this project.		

16. Staff Experience:

Modjeski and Masters, Inc.			
 Jonathan Gerhart, P.E. Senior Project Manager - Electrical	Years of experience with this firm/employer		16
	Years of experience with other firm(s)/employer(s)		12
Degree(s) / Years / Specialization		Bachelor of Science / 1998 / Electrical Engineering	
Active registration number / state / expiration date		P.E. 0043052 / LA / Exp. 03/31/2027	
Year registered	2018	Discipline	P.E. / Electrical
Contract role(s) / brief description of responsibilities		Senior Project Manager – Electrical / Jonathan will assist Modjeski and Masters for this contract.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
09/22–10/24	LADOTD, LA 82 Vermillion River Vertical Lift Bridge (Perry) Rehabilitation, Vermillion Parish, LA Engineer-of-Record. The Perry Vertical Lift Bridge is located on Hwy 82 in Vermilion Parish crossing the Vermilion River. The main span consists of a 75 foot lift span consisting of two main girders. The deck is an open grid deck supported on stringers and floorbeams. From abutment to abutment the bridge is approximately 383 feet long consisting of concrete decks on steel stringers. The superstructure is supported by piles. M&M led a team providing structural, mechanical, electrical, and architectural rehabilitation services to extend the service life of this bridge. Mr. Gerhart was the EOR and led the electrical design team for this vertical lift bridge rehabilitation. He led plan and specification development for the removal/repair/replacement of the electrical system and equipment for various components in the operator house.		
05/16–12/22	LADOTD, US 11 Bridge Rehabilitation Design, New Orleans, LA Engineer-of-Record. M&M led a team providing structural, mechanical, electrical, and architectural rehabilitation services to extend the service life of the US 11 North and South bascule spans. The North bascule span is the only routinely operated span. In addition to repairs and improving the structural capacity to eliminate the weight posting of the bridge, the operator’s house will be enlarged, and the span converted to hydraulic operation. The South bascule span is only opened manually (with a crane) when access is needed to service electrical utility lines crossing the lake. The span toes will be replaced to improve the structural capacity to eliminate the weight posting of the bridge. The operator houses will be rehabilitated to retain their historic appearance. The bascule spans comprise the largest spans (149’) of the overall 4.7-mile bridge over Lake Pontchartrain. Mr. Gerhart was the EOR and lead electrical engineer for the complete electrical rehab of the power distribution, control system, and roadway lighting on the bridge.		
06/12–07/16	LADOTD, LA 1 West Larose Vertical Lift Bridge over ICWW, Larose, LA Engineer-of-Record. M&M provided rehabilitation plans for the upgrade of the structural, electrical, mechanical system to extend the life of the bridge 30-40 years for this vertical lift bridge. Additionally a new fender system was designed, the operator house was significantly upgraded, and bridge repainted. A bridge inspection and development of scope of service preceded the preparation of plans. Mr. Gerhart inspected the current condition of the electrical system and recommended the necessary improvements. Mr. Gerhart was the EOR and lead designer of the electrical system rehabilitation.		

16. Staff Experience:

Modjeski and Masters, Inc.			
 David Kanger P.E. Senior Project Manager - Structures	Years of experience with this firm/employer		30
	Years of experience with other firm(s)/employer(s)		0
Degree(s) / Years / Specialization		Master of Science / 1996 / Civil Engineering Bachelor of Science / 1995 / Civil Engineering	
Active registration number / state / expiration date		P.E. 0029048 / LA / Exp. 09/30/2026	
Year registered	2000	Discipline	P.E. / Civil
Contract role(s) / brief description of responsibilities		Senior Project Manager – Structures / David will assist Modjeski and Masters for this contract.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
09/22–06/25	LADOTD, LA 82 Vermillion River Vertical Lift Bridge (Perry) Rehabilitation, Vermillion Parish, Louisiana Engineer-of-Record. The Perry Vertical Lift Bridge is located on Hwy 82 in Vermilion Parish crossing the Vermilion River. The main span consists of a 75 foot lift span consisting of two main girders. The deck is an open grid deck supported on stringers and floorbeams. From abutment to abutment the bridge is approximately 383 feet long consisting of concrete decks on steel stringers. The superstructure is supported by piles. M&M led a team providing structural, mechanical, electrical, and architectural rehabilitation services to extend the service life of this bridge. Mr. Gerhart was the EOR and led the electrical design team for this vertical lift bridge rehabilitation. He led plan and specification development for the removal/repair/replacement of the electrical system and equipment for various components in the operator house.		
11/20–Ongoing	LADOTD, Bayou Barataria Swing Bridge Allision Repairs, Lafitte, Louisiana Engineer-of-Record. In 2020, Modjeski and Masters provided emergency services in response to a vessel collision. A two-barge tow reportedly struck the 204’ steel swing span of the Bayou Barataria Bridge while traveling through the channel. Subsequently, the swing span was not operable and remained in the open position eliminating the only access across for the population of Ile De Barataria. Modjeski & Masters Inc. performed an initial damage inspection in addition to mechanical and electrical inspections of the structure. Previously in a separate task order, M&M developed and prepared a Navigation Impact Study in accordance with USCG requirements for the proposed crossing location over Bayou Barataria that would replace the existing structure. This study obtained and analyzed information related to present and future navigation uses and needs for the purposes of developing and evaluating alternatives for the new bridge. M&M is also providing a temporary fender repair design. Mr. Kanger served as the structural lead and EOR on this project.		

Gresham Smith

Gresham Smith

16. Staff Experience:

Moffatt & Nichol, Inc.				
Chace Hulon, P.E. Project Manager			Years of experience with this firm/employer	11
			Years of experience with other firm(s)/employer(s)	10
Degree(s) / Years / Specialization		Bachelor of Science / 2005 / Civil Engineering, Norwich University		
Active registration number / state / expiration date		P.E.0039701 / LA / Exp. 09/30/2027		
Year registered		2015	Discipline	P.E. / Civil
Contract role(s) / brief description of responsibilities			Project Engineer for Bridge Investigations / Chace will manage all underwater evaluation services and advise on bridge investigations that may include instrumentation or material testing.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
08/14–Ongoing	LADOTD, Underwater Bridge Inspections, Statewide, LA Project Manager and Inspection Team Leader. This was M&N’s fourth consecutive contract to provide NBIS Underwater Bridge Inspections across the state, but focused in Districts 07, 03, 61, and 62. When completed, a total of 2,712 bridges will be inspected under all task orders combined. Managed and led in-depth inspections on signature bridges over large waterways with deep foundations and dynamic channel conditions. Inspections augmented high resolution multibeam acoustic imaging technology to accurately monitor streambed conditions and structural deficiencies between inspection cycles. Immediately responded to several emergency requests for engineering condition assessments and repair recommendations.			
06/22–12/24	USACE Vicksburg District and ERDC, Bridge Inspection Services at USAG Fort Polk, Leesville, LA Project Manager and Team Leader. This was a contract for the condition assessments reportable bridges in the Fort Polk inventory. M&N was tasked with three consecutive projects at Fort Polk from 2022-2024 to inspect a total of 156 roadway and railroad bridges. Structure types included multi-beam reinforced concrete bridges, reinforced concrete pipe and box culverts, and corrugated metal arch bridges and pipe culverts. Led and supervised the underwater inspection of four bridges with high water levels to assess undermining of spread footings and provided repair recommendations and ROM cost estimates for repair. Performed final quality assurance report reviews and coordinated the submittal packages.			
01/23–02/26	H.009730.5: LADOTD IDIQ for Complex Bridge Inspection, Statewide, LA Project Manager and Chief Editor. This was a contract for updates to 2020 bridge maintenance manuals to incorporate the 2022 NBIS Final Rule. Delivered On-System, Off-System, and Coding & Field Guides, published in Dec 2024 for full compliance by 2025 and FHWA audit readiness. Collaborated with LADOTD, led monthly progress meetings, and streamlined inspection forms and guidance for usability.			

16. Staff Experience:

Moffatt & Nichol, Inc.				
Bryan Tyson, P.E., ADCI Structural Engineer		Years of experience with this firm/employer		6
		Years of experience with other firm(s)/employer(s)		9
Degree(s) / Years / Specialization		Master of Science / 2010 / Civil Engineering Bachelor of Science / 2008 / Civil Engineering		
Active registration number / state / expiration date		P.E.0043425 / LA / Exp. 03/31/2027		
Year registered		2016	Discipline	P.E. / Civil
Contract role(s) / brief description of responsibilities		Engineer Diver for Bridge Investigations / Bryan will be responsible for planning, directing, and monitoring all aspects of underwater inspections, including serving as the Team Leader on-site.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
04/24–Ongoing	LADOTD, In-Depth Inspections of Complex Bridges, Statewide, LA Inspection Team Leader. This is a contract for in-depth inspection (fulfilling both routine and fracture critical inspections) of several large bridges within Louisiana. Provided site mob/demob and bridge inspections. Level III inspections were completed in accordance with FHWA, BIRM, AASHTO Manual for Bridge Evaluation, AASHTO BEIM, and the LADOTD Bridge Inspection Manual. Bridges included Interstate 10 (John James Audubon) Bridge over Mississippi River, Ventress with in-depth inspection of structure's towers and cable stays using rope access techniques.			
02/23 – 12/25	LADOTD, In-Depth Inspections of Complex Bridges, Statewide, LA Structural Engineer. This was a contract for update & further development of Bridge Inspection Manual (including off-system directives), Bridge Load Rating Manual, and Coding & Field Guide. Update resulted from recent NBIS changes in CFR & implementation of SNBI. Manual will be fully compliant with the FHWA SNBI Program Metrics in accordance with published timeline. The manual will be uniquely ordered in a systemic fashion with appendix to store vital updated forms for Bridge Inspection Program. M&N has been retained for 5 years to provide critical updates following NBIS changes.			
06/22 – Present	LADOTD, Underwater Bridge Inspections, Statewide, LA Inspection Team Leader. The contract is for two tasks (to date) under M&N's third, consecutive contract to provide UW NBIS bridge insp. statewide. When completed, a total of 699 bridges will be inspected under those two tasks. Includes in-depth UWI on signature bridges over large waterways with deep foundations and dynamic channel conditions. Inspections augmented NDE acoustic imaging technology to consistently monitor streambed changes and structural deficiencies between inspection cycles. Responded to several emergency requests for inspection within hours to days utilizing local personnel.			

16. Staff Experience:

Moffatt & Nichol, Inc.			
Christopher “Chip” Eschenbach, ADCI, CWI NBIS Team Leader		Years of experience with this firm/employer	8
		Years of experience with other firm(s)/employer(s)	0
Degree(s) / Years / Specialization		Associate’s Degree / 2015 / Welding	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		NBIS Underwater Team Leader and Marine Mapping Specialist / Chip will help provide direction, experience, and safe practices during field inspections.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
07/21–Ongoing	LADOTD, Underwater Bridge Inspections, Statewide, LA NBIS Team Leader, Dive Supervisor, and Survey. Chip was responsible for bridge inspection records and ratings, preparing dive safety plans and supervising high risk dive operations, and deploying the high resolution multibeam sonar system for data collection surveys. All bridge inspections over large waterways with high-risk environmental conditions were augmented with acoustic imaging technology. Hydrographic surveys were performed using the NORBIT WINGHEAD i77h (now the WINGHEAD X) multibeam sonar using a transducer array. Measurements are collected with integrated GNSS/INS systems and can be further processed with NOAA Continuously Operating Reference Stations (CORS) Network (NCN) to reduce measurement uncertainties.		
09/19–03/20	LADOTD, Underwater Bridge Inspection of Large River Crossings, Statewide, Louisiana NBIS Inspector. This contract was for the five-year retainer contract to perform Level I, II, and III underwater bridge inspections in accordance with NBIS and AASHTO Manual for Bridge Element Inspection. Completed underwater inspection fieldwork, inspection reports, and quality control reviews. Underwater acoustic imaging techniques were used to locate structural deficiencies, identify potential undermining, observe the limits of scour, and document the limits of riprap installations.		
10/20–12/23	LADOTD, In-Depth Inspections of Complex Bridges, Statewide, LA NBIS Inspector. This contract was for routine bridge inspections throughout Louisiana, including 100% visual inspections in accordance with NBIS requirements. Performed a routine bridge inspection of the cable-stayed Audubon Bridge above the deck utilizing rope access techniques in St. Francisville. Responsibilities included preparing SPRAT and climbing gear for inspection, coordinating with the other climbing teams, performing inspection on each cable for cable-stay bridge using rope access and performing inspection on the cable-stay towers, relaying defects and photographing defects found.		

16. Staff Experience:

Moffatt & Nichol, Inc.				
Jeffrey Gazarek, COSS, COSM NBIS Team Leader			Years of experience with this firm/employer	11
			Years of experience with other firm(s)/employer(s)	10
Degree(s) / Years / Specialization	ADCI / 2005 / Diver’s Institute of Technology			
Active registration number / state / expiration date	N/A			
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		NBIS Underwater Team Leader and Marine Mapping Specialist / Jeffrey will help provide direction, experience, and safe practices during field inspections.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
07/21–Ongoing	LADOTD, Underwater Bridge Inspections, Statewide, LA NBIS Team Leader, Dive Supervisor, and Survey. Jeffrey was responsible for bridge inspection records and ratings, preparing dive safety plans and supervising high risk dive operations, and deploying the high resolution multibeam sonar system for data collection surveys. All bridge inspections over large waterways with high-risk environmental conditions were augmented with acoustic imaging technology. Hydrographic surveys were performed using the NORBIT WINGHEAD i77h (now the WINGHEAD X) multibeam sonar using a transducer array. Measurements are collected with integrated GNSS/INS systems and can be further processed with NOAA Continuously Operating Reference Stations (CORS) Network (NCN) to reduce measurement uncertainties.			
09/19–03/20	LADOTD, Underwater Bridge Inspection of Large River Crossings, Statewide, Louisiana NBIS Inspector. This contract was for the five-year retainer contract to perform Level I, II, and III underwater bridge inspections in accordance with NBIS and AASHTO Manual for Bridge Element Inspection. Completed underwater inspection fieldwork, inspection reports, and quality control reviews. Underwater acoustic imaging techniques were used to locate structural deficiencies, identify potential undermining, observe the limits of scour, and document the limits of riprap installations.			
10/20–12/23	LADOTD, In-Depth Inspections of Complex Bridges, Statewide, LA NBIS Inspector. This contract was for routine bridge inspections throughout Louisiana, including 100% visual inspections in accordance with NBIS requirements. Performed a routine bridge inspection of the cable-stayed Audubon Bridge above the deck utilizing rope access techniques in St. Francisville. Responsibilities included preparing SPRAT and climbing gear for inspection, coordinating with the other climbing teams, performing inspection on each cable for cable-stay bridge using rope access and performing inspection on the cable-stay towers, relaying defects and photographing defects found.			

16. Staff Experience:

Volkert, Inc.				
Steven Armstrong, P.E., CBI, ADCI Project Manager			Years of experience with this firm/employer	4
			Years of experience with other firm(s)/employer(s)	8
Degree(s) / Years / Specialization	Master of Science / 2021 / Civil Engineering Bachelor of Science / 2015 / Civil Engineering			
Active registration number / state / expiration date	P.E. 44405 / LA / Exp. 09/30/26			
Year registered	2020	Discipline	P.E. / Civil	
Contract role(s) / brief description of responsibilities		Project Manager / Steven will provide bridge design services for this contract.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
2005—Ongoing	LADOTD, IJJA Off-System Bridge Replacement Program, District 04, LA <i>Project Manager</i> . Steven serves as the Project Manager assisting in the implementation and management of the LADOTD’s Infrastructure Investment and Jobs Act (IJJA) Off-System Bridge Program (OSBR).			
10/24–01/25	Department of Energy, Fluor Federal Petroleum Operations, Bayou Choctaw Bridge Inspections, Plaquemine, LA <i>Inspection Team Leader</i> . Steven was the inspection Team Leader and one of the Engineers of Record for the inspection and load rating of four bridge structures at the Department of Energy Strategic Petroleum Reserve “Bayou Choctaw” in Plaquemine, Louisiana.			
12/23–05/24	Boh Bros. Construction, LLC, Routine Waterfront Inspection of Port of NOLA France Road Terminal, New Orleans, LA <i>Project Manager</i> . Steven is the Project Manager and Team Leader responsible for the overall routine waterfront inspection in accordance with the ASCE Standard Practice Manual for Underwater Investigations and ASCE Waterfront Facilities Inspection and Assessment.			
2014–2022	LADOTD, Underwater Bridge Inspections, Statewide, LA <i>Team Leader</i> . NBIS Team Leader for multiple five-year retainer contracts to perform underwater bridge inspections throughout Louisiana, including 100 percent visual inspections of submerged elements in accordance with National Bridge Inspection Standards (NBIS) requirements.			

16. Staff Experience:

Volkert, Inc.					
	Vincent Latino, P.E. Assistant Project Manager			Years of experience with this firm/employer	3
				Years of experience with other firm(s)/employer(s)	30
Degree(s) / Years / Specialization		Bachelor of Science / 1992 / Electrical Engineering			
Active registration number / state / expiration date		P.E. 27164 / LA / Exp. 09/30/2027			
Year registered		1997	Discipline	P.E. / Electrical	
Contract role(s) / brief description of responsibilities			Assistant Project Manager / Vincent will provide bridge design services for this contract.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).				
Career	Vincent brings over three decades of distinguished service in public infrastructure management. Following a career spanning 30 years with the Louisiana Department of Transportation and Development (DOTD), culminating in his role as Assistant Secretary of Operations, Vincent transitioned to a pivotal position as Assistant Chief Administrative Officer (Public Works) for the City/Parish of Baton Rouge. He directs a workforce of approximately 700 employees across departments encompassing transportation and drainage, environmental management, development oversight, maintenance, building and grounds, fleet management, and public works administration.				
09/21–Ongoing	LADOTD, I-10 Widening CMAR: LA 415 to Essen Lane, Baton Rouge, LA Assistant Project Manager. Vincent is serving as an assistant PM aiding in the distribution of comments and making sure resolution is reached. He works closely with Mr. Gordon Nelson and Mr. Steve Caruso. Volkert performed CE&I services and acted as the project engineer for LADOTD.				
02/20–08/24	LADOTD, Assistant Secretary of Operations, Baton Rouge, LA Assistant Secretary of Operations. Vincent began his career at LADOTD in Baton Rouge. Commencing as an Engineer Supervisor in September 1998, he ascended through various roles, accumulating extensive experience in engineering and operational leadership. He ultimately served as Deputy Assistant Secretary of Operations and Assistant Secretary of Operations, playing pivotal roles in shaping and executing operational policies critical to Louisiana’s transportation infrastructure until June 2022.				

16. Staff Experience:

Volkert, Inc.			
 Jacob Parker, P.E. Bridge Design	Years of experience with this firm/employer		8
	Years of experience with other firm(s)/employer(s)		17
Degree(s) / Years / Specialization		Bachelor of Science / 1998 / Civil Engineering	
Active registration number / state / expiration date		P.E. 30596 / LA / Exp. 09/30/2027	
Year registered	2003	Discipline	P.E. / Civil
Contract role(s) / brief description of responsibilities		Bridge Design / Jacob will provide bridge design services for this contract.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
Career	Jacob has over 25 years of structural engineering experience including in the design of prestressed concrete bridge design with spans up to 150 feet and in the design of geometrically challenging and complex bridges, such as curved, super-elevated, skewed piers, and movable spans. He also has experience with structural analysis, reinforced concrete design, prestressed concrete design, wood and timber design, advanced mechanics of materials, finite element analysis, shallow foundations, inland waterways, and engineering for natural hazards.		
11/23–Ongoing	TxDOT, IH 35, Capital Express North, Travis County, TX Bridge Designer. Volkert is providing services for this \$607M reconstruction project, which will improve operational efficiency by relocating ramps and adding one managed lane in each direction on IH 35, and a shared-use path.		
02/20–08/24	LADOTD, LA 23: Belle Chasse Bridge and Tunnel (HBI) Improvements, Plaquemines Parish, LA Bridge Designer. Jacob assisted with Volkert’s responsibilities to provide all Engineering Design and Construction Support services for the Belle Chasse Bridge & Tunnel P3 Project which provided for the replacement of the Belle Chasse Tunnel and Judge Perez Lift Bridge with a new toll bridge.		
09/18–07/20	LADOTD, I-10: Highland Road to LA 73 Design-Build, East Baton Rouge and Ascension Parishes, LA Review Engineer. Jacob served as Review Engineer for the OVT on Task Order 4. He was responsible for all project oversight for the Design and Construction on this \$72M Design-Build project. State Contract No. 4400004915 TO 4, S.P. No. H.009250.		
05/19–12/21	LADOTD, I-220/ I-20 Interchange Improvements to BAFB Access Design-Build, Bossier Parish, LA Bridge Designer. Jacob was responsible for assisting with the bridge design review for Volkert’s team. State Contract No. 4400016173, S.P. No. H.003370.6.		

16. Staff Experience:

Volkert, Inc.			
 Artur D'Andrea, P.E. Bridge Design	Years of experience with this firm/employer		3
	Years of experience with other firm(s)/employer(s)		45
Degree(s) / Years / Specialization	Bachelor of Science / 1978 / Civil Engineering		
Active registration number / state / expiration date	P.E. 20561 / LA / Exp. 09/30/2026		
Year registered	1983	Discipline	P.E. / Civil
Contract role(s) / brief description of responsibilities		Bridge Design / Artur will provide bridge design services for this contract.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
Career	Artur joined Volkert in 2023 as a civil engineer. Artur has a strong background in the structural design and details of bridges and buildings. As a previous employee of LADOTD, he served as Louisiana Assistant Bridge Design Engineer and was in charge of three separate teams: Bridge Design, Bridge Rating and Permit Evaluation, and the County Bridge Replacement Program.		
09/25–Ongoing	OLHC, Bridge Bundle 2, Union, Lincoln and Jackson Parishes, LA QC and Bridge Design Review. Artur provides QC and design review services. Volkert designed nine bridge replacements across northern Louisiana, delivering full scope engineering services including survey, permitting, hydraulic and geotechnical analysis, detour and structural design, and final plan development.		
04/23–Ongoing	LADOTD, District 04 IIJA Off-System Bridge Program, District 04, LA Bridge Designer. Volkert has been selected to assist the LADOTD in the selection of eligible bridge structures to be replaced, designed, and constructed under the IIJA Off-System Bridge Program. Volkert is performing Hydraulic Analysis and Bridge Design services.		

16. Staff Experience:

Volkert, Inc.				
 Ahmed Rageh, Ph.D., P.E. Bridge Design	Years of experience with this firm/employer			3
	Years of experience with other firm(s)/employer(s)			16
Degree(s) / Years / Specialization		Ph.D. / 2020 / Civil Engineering Master of Science / 2018 / Civil Engineering, Structures Master of Science / 2012 / Civil Engineering Bachelor of Science / 2006 / Civil Engineering		
Active registration number / state / expiration date		P.E. 47953 / LA / Exp. 09/30/27		
Year registered		2023	Discipline	P.E. / Civil
Contract role(s) / brief description of responsibilities		Bridge Design / Ahmed will provide bridge design services for this contract.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
Career	Ahmed has 19 years of experience in structural engineering with special emphasis on design and behavior of steel structures and bridges. He participated in designing and detailing of steel and post-tensioned bridges as well as designing, detailing and construction supervising of steel structures. He has in-depth knowledge of several national and international design codes including AASHTO, ACI, AISC, and PCI. Ahmed’s certifications include: Bridge Inspector Team Leader: Passed FHWA-NHI-130055 Safety Inspection of In-Service Bridges.			
06/23–Ongoing	TxDOT, IH 10 at Us 69 Highway Bridge, Jefferson, TX Structural Engineer. This project involves the US 69 Highway Bridge, which is composed of prestressed concrete spans as well as composite steel girder spans. His responsibilities include performing 3D finite element analyses and QAQC reviews of the steel straddle bents design.			
05/23–06/23	LADOTD, Rehabilitation of I-10 Bridge over Mississippi River, Baton Rouge, LA Project Manager. This project involves the rehabilitation of the steel spans of the I-10 bridge, which are deteriorating and contain cracks localized over supports.			
08/22–05/23	LADOTD, Load Rating of 114 Bridges, Statewide, LA Structural Engineer. This project involves the load rating of 114 existing bridge structures by the Load and Resistance Factor Rating method (LRFR).			
05/22–02/23	LADOTD, Load Testing and Evaluation of 19 Bridges, Statewide, LA Structural Engineer. This project evaluated 19 bridge structures posted for a load lesser than the Legal Loads and/or Special Hauling Vehicles using load rating analysis and load testing coupled with 3-D Finite Element Analysis.			

16. Staff Experience:

Volkert, Inc.					
	Jason Goffinet, REPA Environmental & Permitting			Years of experience with this firm/employer	21
				Years of experience with other firm(s)/employer(s)	10
Degree(s) / Years / Specialization		Bachelor of Science / 1995 / Environmental Science Bachelor of Science / 1995 / Biology			
Active registration number / state / expiration date		6309 / REPA / Exp. 05/20/27			
Year registered		2007	Discipline	Environmental	
Contract role(s) / brief description of responsibilities			Environmental & Permitting / Jason will provide environmental and permitting services for this contract.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i>, “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).				
08/11–02/21	NORPC, LA 406/Woodland Highway Widening, Plaquemines and Orleans Parishes, LA <i>Environmental Scientist</i>. The project involves conducting a Stage 1 Environmental Assessment to document potential environmental concerns associated with the widening of LA 406 from two to four lanes between LA 23 (Belle Chasse Hwy) and LA 407 (Gen. De Gaulle Blvd) in Plaquemines and Orleans Parishes, LA. The study corridor for the project included the existing road right-of-way and adjacent areas for approximately 3.8 miles. While the client is the Regional Planning Commission, Volkert is responsible for coordination with Louisiana Department of Transportation and Development (DOTD), Federal Highway Administration (FHWA), Plaquemines Parish, and the City of New Orleans to ensure all issues are addressed in the development of the project. Volkert was responsible for completing the EA in accordance with the federally developed National Environmental Policy Act (NEPA). Volkert provided oversight to subcontractors responsible for cultural resource surveys, environmental, drainage design, and topographic surveys.				
08/15–11/16	LADOTD, LA 1088, St. Tammany Parish, LA <i>Environmental Scientist</i>. Volkert prepared the noise and air studies for an EA/FONSI studying improvements to LA 1088 between LA 59 and the I-12 interchange westbound ramps. The purpose of the proposed improvements to LA 1088 was to reduce existing congestion and accommodate future traffic demands. Operational improvements were also needed due to existing and projected traffic volumes and the poor level of service at the intersections. The total length of the proposed project was approximately 3.5 miles. LA 1088 is a suburban highway which runs generally in a northeasterly direction from the intersection of LA 59 north of Mandeville to an intersection at LA 36 east of Abita Springs. LA 1088 is an undivided two-lane highway from LA 59 for approximately 2.7 miles where it transitions into a four-lane divided section running approximately 0.8 mile to an interchange at I-12. Past the I-12 interchange, LA 1088 continues as a two-lane undivided highway for approximately 7.5 miles to the intersection at LA 36. The entire LA 1088 corridor in St. Tammany Parish. The noise levels were analyzed for the Existing, and future 2033 No-Build and three (3) proposed build alternatives. The noise analysis was performed using the Federal Highway Administration’s (FHWA) Traffic Noise Model (TNM) Version 2.5. The noise barrier analyses were also performed using the TNM model. The final EA was approved by the FHWA in October 2019.				

16. Staff Experience:

Volkert, Inc.			
 Paige Felts, CPESC Environmental & Permitting	Years of experience with this firm/employer		23
	Years of experience with other firm(s)/employer(s)		0
Degree(s) / Years / Specialization		Bachelor of Science / 2002 / Civil Engineering Bachelor of Science / 1998 / Environmental Science	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Environmental & Permitting / Paige will provide environmental and permitting services for this contract.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
11/22–04/24	ALDOT, Design-Build for the I-10 Mobile River Bridge Main Span Cable-Stayed Bridge, Mobile, AL <i>Environmental Scientist</i>. Volkert collaborated with ALDOT to construct an aesthetically pleasing cable-stayed bridge with a minimum 100-year service life and minimum 215-foot vertical clearance over the 600-foot wide Mobile River ship channel. Estimated Construction Cost \$3.5 Billion.		
02/15–06/16	LADOTD, LA 1088 Corridor Study, Environmental Assessment, St. Tammany Parish, LA <i>Environmental Scientist</i>. Paige served as Environmental Scientist responsible for wetland delineation and permitting services.		
03/19–03/22	City of Foley, Bon Secour Headwaters Restoration, Foley, AL <i>Environmental Project Manager</i>. Paige served as Environmental Project Manager responsible for the development of the permitting, compliance, and final report for stream restoration and water quality improvement.		

16. Staff Experience:

Volkert, Inc.					
	Trent Farris, PWS, CWB, ESA-CE Environmental & Permitting Services		Years of experience with this firm/employer		24
			Years of experience with other firm(s)/employer(s)		7
Degree(s) / Years / Specialization		Bachelor of Science / 1992 / Wildlife Science			
Active registration number / state / expiration date		N/A			
Year registered		N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			Environmental & Permitting / Trent will provide environmental and permitting services for this contract.		
Experience dates (mm/yy–mm/yy)		Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
07/17–01/24		City of Daphne, Tiawasee Montclair Stream Restoration, Daphne, AL <i>Ecologist</i>. This project sought to restore 1,040 linear feet of perennial stream channel which had incised and detached from the adjacent floodplain. Volkert performed the geomorphic assessment, coordinated the acquisition of nearly two dozen easements, performed 1-dimensional hydraulic analysis, and performed the construction observation. This project won the Environmental Stewardship Award from the Partners for Environmental Progress (PEP).			
04/18–01/21		EnviroScience, Inc., Three Mile Creek (TMC) Invasive Species Control Plan for the Mobile Bay National Estuary Program, Mobile, AL <i>Ecologist</i>. Volkert conducted field assessments, developed GIS maps, assisted in the development of the MBNEP report, and assisted in the development of the Watershed Management Plan.			
08/19–12/20		MDOT, US 80 Bridge Replacement between the City of Newton and Town of Chunky, Newton and Chunky, MS <i>Environmental Scientist</i>. This assessment identified and described potentially jurisdictional areas such as wetlands and other waters of the U.S. within the project corridor. The proposed work results in 9.25 acres of permanent wetland fill, 2.83 acres of temporary wetland fill, and 3,506 linear feet of permanent roadside ditch fill.			
03/07–02/09		Wolf Run, LLC, Wetland Delineation, Harrison County, MS <i>Environmental Scientist</i>. Wetland biologists performed a wetland delineation in accordance with the U.S. Army Corps of Engineers’ 1987 Wetland Delineation Manual. Volkert was responsible for performing the wetland delineation and coordination with the U.S. Army Corps of Engineers.			

16. Staff Experience:

Volkert, Inc.			
 Perry Leblanc CADD/Technician	Years of experience with this firm/employer		9
	Years of experience with other firm(s)/employer(s)		20
Degree(s) / Years / Specialization	Associate's degree / 1998 / Drafting & Design Technology		
Active registration number / state / expiration date	N/A		
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		CADD/ Technician / Perry will provide design technician services for this contract.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
Career	Perry joined Volkert's Baton Rouge office in 2016, after an eighteen-year career working in design and as a CADD instructor at a local technical college. He is responsible for the CADD design of engineering projects for airports and other engineering projects. He has extensive experience in generating 3D models of projects.		
01/19–Ongoing	Baton Rouge Metropolitan Airport, Plank Road Realignment, East Baton Rouge Parish, LA Technician. Perry assisted with plan design and layout. Volkert is providing design, environmental permitting, and ROW acquisition for the relocation of Plank Road on a new alignment.		
01/20–01/21	LADOTD, Roundabout at Highway 929 and Highway 930, Prairieville, LA Technician. Perry assisted with plan design and layout for a single lane asphalt roundabout designed through SIDRA, AASHTO, and Louisiana DOTD standards.		
A – 2021; B – 2022; C – Ongoing; D - Ongoing	Filmore Group, A, B, C, and D, New Orleans, LA Technician. Perry assisted with plan design and layout for this project that consisted of providing full roadway replacement for several streets in New Orleans, LA. The replacement included full drainage upgrades, waterline upgrades, sewer upgrades and sidewalks.		
06/17–11/17	Greater New Orleans Expressway Commission, Causeway Segmented Shoulder Bay Improvements on the Lake Pontchartrain Bridge, St. Tammany and Jefferson Parish, LA Technician. Perry assisted with plan design and layout. Volkert developed permit applications for several Joint Permit Applications related to the Bridge Segmented Shoulder Bays.		

16. Staff Experience:

Volkert, Inc.				
Laura Tomlinson CADD/Technician		Years of experience with this firm/employer		2
		Years of experience with other firm(s)/employer(s)		0
Degree(s) / Years / Specialization		Associate's degree / 2025 / Drafting & Design		
Active registration number / state / expiration date		N/A		
Year registered		N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		CADD/ Technician / Laura will provide design technician services for this contract.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
Career	Laura has 2 years experience in drafting and design. She works with the bridge engineers in the Baton Rouge office preparing drawings, plot layouts, and modifying existing drawings. She prepares drawing packages, including plotting drawings, making copies, and assembling drawings. In addition, she is proficient in Engineering Mathematics and is trained in AutoCAD Software.			
09/25–Ongoing	OLHC, Bridge Bundle – RCN 21350 Cypress Bayou, Keepler No. 1 & 2, Poplar Beach, Brown Creek, Choudrant Creek, Lick Creek Relief, Lick Creek, Lion Creek Technician. Laura is assisting with plan design and layout for the FY 26 Bridge Bundle Program for the Office of Louisiana Highway Construction.			
10/22–Ongoing	LADOTD, LA 73 at LA 74 Roundabout, Ascension Parish, LA Technician. Laura is assisting with plan design and layout. Volkert was chosen to study and design a roundabout that will replace the signalized intersection at LA 73 and 74.			
09/22–Ongoing	LADOTD, IIJA Off-System Bridges, Statewide, LA Technician. Laura is assisting with plan design and layout. Volkert has been selected to assist the LADOTD in the selection of eligible bridge structures to be replaced, designed, and constructed under the Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program.			
07/23–09/24	St. Charles Parish, Engineers Canal Pump Station, St. Charles Parish, LA Technician. Laura assisted with plan design and layout. The goal of the project is to upgrade an existing pump station to at least 250 cfs from the existing 150 cfs pumping capacity.			

16. Staff Experience:

Ardaman & Associates, Inc.				
 Megan Bourgeois, P.E. Principal Engineer	Years of experience with this firm/employer			20
	Years of experience with other firm(s)/employer(s)			0
Degree(s) / Years / Specialization		Bachelor of Science / 2006 / Civil Engineering		
Active registration number / state / expiration date		P.E.0024040 / LA / 3/31/28		
Year registered		2011	Discipline	P.E./Civil
Contract role(s) / brief description of responsibilities		Principal Engineer / Megan will lead the geotechnical tasks for this contract.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
Career	Megan has more than 19 years of experience with design and analyses of countless types of foundations including shallow, embankment settlement analysis, deep foundations (pile and drilled shafts), LRFD design, FHWA & GEC design, slope stability (embankment and excavation) and earth retaining structures. She also has extensive experience with geotechnical instrumentation, installation and monitoring, and construction phase testing and laboratory management. She has served as Ardaman’s project manager for many LADOTD projects for bridges and roadways throughout Louisiana and completed numerous geotechnical investigations, engineering, and reporting in accordance with LADOTD standards. She has successfully overseen several major contracts for LADOTD and other clients. Megan also serves as the director of our geotechnical engineering and CMT laboratories in Baton Rouge and has overseen the laboratory testing programs in accordance with LADOTD standards. In this role, she supervises the laboratory managers, oversees testing, provides guidance to laboratory staff, and ensures appropriate protocol is followed and deadlines are met in addition to providing training material and maintaining all laboratory certifications, including AMRL, CCRL, DEQ & USACE.			
07/23–Ongoing	SP NO. H.013284 / MRB SOUTH GBRL: LA 1 TO LA 30 CONNECTOR: West Baton Rouge, Iberville, Ascension, and East Baton Rouge Parishes, LA Project Engineer. The project consists of an Enhanced Planning investigation into S.P. No. H.013284, MRB South GBR: LA 1 to LA 30 Connector, with the objective of constructing a new Mississippi River crossing located between the I-10 and LA 70 River crossings from three proposed alignments. Megan helped oversee supervision of the field program, development of the laboratory testing program, quality control review, and development of an interactive geotechnical database to compile all the soil borings and ECPT. The preliminary engineering analyses included caisson design, driven piles, drilled shafts, embankments, proposed alignment comparisons, environmental concerns, and testing program recommendations.			

07/21–01/22	SP NO. H.003931 / I-10 CALCASIEU RIVER BRIDGE: Calcasieu Parish, LA <i>Project Manager</i>. Managed all aspects of this project pertaining to coordination of fieldwork including 37 deep soil borings, 39 ECPTs and 13 geophysical survey transects. Majority of the soil borings were completed from a barge over deep water, some from a marsh buggy over shallow water and thick marsh grass. Megan also managed and oversaw the laboratory testing program and processing and analyzing of the ECPT and ER data. She also assisted with development of a geotechnical database and preparation and submittal of a geotechnical data report. This project consisted of obtaining geotechnical data under a strict deadline to be used in the design of a replacement of the existing I-10 Calcasieu River Bridge with a new structure and improvements to various other interchanges.
04/21–Ongoing	SP NOS. 700-29-0112, 700-29-0130, H.012565, H.012891, H.014251, H.014252, H.014253, H.014254, H.014256, H.014257 / RURAL BRIDGE INITIATIVE PHASE II: West Feliciana, East Feliciana, Livingston, St. Bernard Parishes, LA <i>Project Engineer</i>. This project consists of the replacement of multiple small two-lane bridges throughout rural areas of Southeast Louisiana which generally ranged in length from 100 to 400 feet, over various size rivers and creeks. Megan leads technical reviews pertaining to selection of design reaches, geotechnical design of pile foundations, drivability, slope stability, settlement analyses, construction testing program recommendations, and report preparation in accordance with LADOTD guidelines.
02/20–Ongoing	SP NO. H.004791 / DESIGN SUPPORT SERVICES LA 23, BELLE CHASSE BRIDGE & TUNNEL: Plaquemine Parish, LA <i>Project Engineer/Laboratory Director</i>. Ardaman's scope consists of review and acceptance of all geotechnical services including technical design reports, field documentation, drawings, and RFI's for the P3 Project consisting of replacing the Belle Chasse bridge and tunnel. In addition, Ardaman performs acceptance verification sampling and testing during the construction for soils and concrete. Megan assisted in review and acceptance of geotechnical services as well as quality control and review of all acceptance verification sampling and testing during construction.
10/15–Ongoing	SP NO. H.013579 / PECUE LANE I-10 INTERCHANGE: East Baton Rouge Parish, LA <i>Project Manager</i>. This project consists of twin bridges with MSE wall abutments for both bridges crossing Interstate I-10, a bridge crossing Ward's Creek, and on/off-ramps in south Baton Rouge. Megan managed all aspects of the project that included field investigations, laboratory testing, and engineering design. Megan performed analyses including settlement estimates with recommendations for monitoring, driven pile design including down drag considerations, MSE Wall design, slope stability and pavement section recommendations; all completed according to DOTD standards. She is currently assisting with the field construction monitoring.

16. Staff Experience:

Ardaman & Associates, Inc.			
 Robert Jewell, P.E. Project Engineer	Years of experience with this firm/employer		19
	Years of experience with other firm(s)/employer(s)		0
Degree(s) / Years / Specialization	Bachelor of Science / 2009 / Civil Engineering		
Active registration number / state / expiration date	P.E.0038579 / LA / 9/30/26		
Year registered	2013	Discipline	P.E./Civil
Contract role(s) / brief description of responsibilities		Project Engineer / Robert will assist with the geotechnical tasks for this contract.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
Career	Robert serves as the manager of our Baton Rouge office and has over 15 years of experience with design and analyses of countless types of foundations including shallow, embankment settlement analysis, deep foundations (pile and drilled shafts), LRFD design, FHWA & GEC design, slope stability (embankment and excavation) and earth retaining structures. He has managed and coordinated many geotechnical field investigations, including shallow and deep borings, CPT soundings, and performed analyses and prepares design recommendation reports for LADOTD projects. Robert has extensive experience in construction phase testing and oversight including dynamic and static testing, pile integrity testing, cross hole sonic logging, settlement monitoring, and geotechnical instrumentation. In particular, he has over 15 years of experience performing, analyzing, and reporting for PDA testing.		
07/23-Ongoing	SP NO. H.013284 / MRB SOUTH GBRL: LA 1 TO LA 30 CONNECTOR: West Baton Rouge, Iberville, Ascension, and East Baton Rouge Parishes, LA Project Manager. The project consists of an Enhanced Planning investigation into S.P. No. H.013284, MRB South GBR: LA 1 to LA 30 Connector, with the objective of constructing a new Mississippi River crossing located between the I-10 and LA 70 River crossings from three proposed alignments. Robert managed supervision of the field program, development of the laboratory testing program, quality control review, and development of an interactive geotechnical database to compile all the soil borings and ECPT. He helped oversee the preliminary engineering analyses which included caisson design, driven piles, drilled shafts, embankments, proposed alignment comparisons, environmental concerns, and testing program recommendations. A data report and preliminary geotechnical assessment report were submitted.		
07/21-Ongoing	SP NO. H.004100.5 / I-10: LA 415 TO ESSEN LANE ON I-10 & I-12 (CMAR): Baton Rouge Parish, LA Project Manager. The project consists of a Construction Management at Risk (CMAR) project which includes widening of the east and westbound lanes, elevated structures, interchanges, and ramps along I-10 from LA 415 in West Baton Rouge		

	Parish to Essen Lane on I-10 and I-12 in East Baton Rouge Parish spanning approximately 2.5 miles. Robert currently oversee all aspects of engineering analyses pertaining to selection of design reaches, geotechnical design of deep foundations, earth retaining structures, slope stability, soil-structure interaction with existing structures and load testing recommendations. Robert helped develop the Geotechnical Data reports, memorandums, and Design reports for this project.
09/22-Ongoing	EVANGELINE ROAD & CN RAILROAD CULVERT: St. Charles Parish, LA Project Manager. Ardaman completed subsurface exploration and geotechnical engineering evaluation. The project consists of the installation of two reinforced concrete box culverts (RCBCs) on the north and south sides of the CN Railroad as it crosses over Evangeline Road near Montz, Louisiana in St. Charles Parish. Ardaman performed the geotechnical fieldwork and engineering evaluation including recommendations for site preparation, shoring and bedding recommendations, and pavement design in a final report.
04/21-Ongoing	SP NOs. 700-29-0112, 700-29-0130, H.012565, H.012891, H.014251, H.014252, H.014253, H.014254, H.014256, H.014257 / RURAL BRIDGE INITIATIVE PHASE II: West Feliciana, East Feliciana, Livingston, St. Bernard Parishes, LA Project Manager. The project consists of the replacement of multiple small two-lane bridges throughout rural areas of Southeast Louisiana which generally ranged in length from 100 to 400 feet, mainly over small rivers, and creeks. Robert oversees all aspects of engineering analyses pertaining to selection of design reaches, geotechnical design of pile foundations, drivability, slope stability, settlement analyses and construction testing program recommendations.
10/18-11/21	SP NO. H.003370 / I-220 / I-20 INTERCHANGE IMPROVEMENT AND BARKSDALE AIR FORCE BASE ACCESS ROAD: Bossier Parish, LA Project Manager. This was a Design Build project which provides direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and constructing an interchange and access road from Interstate 20 in Bossier City, Louisiana. Robert managed and oversaw the preparation of the preliminary design and planning report. Robert also oversaw the field construction services consisting of PDA monitoring, bi-directional load cell load tests, and settlement monitoring. The PDA program consisted of monitoring PPC piles during initial drive and restrikes to allow for evaluation of setup and early acceptance of pile resistances.
10/15-Ongoing	SP NO. H.013579 / PECUE LANE I-10 INTERCHANGE: East Baton Rouge Parish, LA Project Engineer. This project consists of twin bridges with MSE wall abutments for both bridges crossing Interstate I-10, a bridge crossing Ward's Creek, and on/off-ramps in south Baton Rouge. Robert helped perform analyses including settlement estimates with recommendations for monitoring, driven pile and drilled shaft design including down drag considerations, MSE Wall design, slope stability and pavement section recommendations; all completed according to DOTD standards. Robert is currently overseeing the construction phase which includes PDA monitoring, static load testing, and settlement monitoring.

16. Staff Experience:

Ardaman & Associates, Inc.				
 Mark Woodward, P.E. Principal Engineer	Years of experience with this firm/employer			8
	Years of experience with other firm(s)/employer(s)			36
Degree(s) / Years / Specialization		Master of Science / 2019 / Risk Management Master of Science / 1986 / Civil Engineering Bachelor of Science / 1982 / Civil Engineering		
Active registration number / state / expiration date		P.E.0024206 / LA / 9/30/27		
Year registered		1991	Discipline	P.E./Civil
Contract role(s) / brief description of responsibilities		Principal Engineer / Mark will assist with the geotechnical tasks for this contract.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
Career	Mark served as a geotechnical engineer for 36 years in the geotechnical branch of USACE New Orleans District, retiring as the Deputy Chief of the Geotechnical Branch and Dam and Levee Safety Program Manager. He was responsible for managing all departments in the branch including engineering, drilling, soils laboratory, dredge material testing, concrete testing, and administration. Mark has considerable experience designing and managing various types of projects on the Mississippi River, Atchafalaya Basin and Storm Surge Levees in Southeast Louisiana, Mississippi and Texas, as well as mitigation and coastal projects in Louisiana. These projects included design of major foundation elements for dams, earthen levees, hydraulic structures, floodwalls, revetments, channel stabilization, bank degrading, ground improvement, deep excavations, relief wells, wick drains, dewatering systems, seepage and stability berms, preloads, reinforced levees and marsh creation for mitigation, coastal restoration and protection and beneficial use of dredge material in marsh and coastal environments with field investigations requiring use of specialized marine and marsh drilling equipment. Since 2018, Mark has served as Principal Geotechnical Engineer of Ardaman for Louisiana, Mississippi, Alabama, Arkansas, and Texas. Mark provides oversight and review of design major foundation elements for transportation, industrial, commercial, and municipal projects.			
04/21-01/2025	SP NO. H.013987 / RURAL BRIDGES PHASE I: Claiborne Parish, LA <i>Principal Engineer</i>. The Rural Bridges project initiative consists of replacing many older bridges throughout the State of Louisiana. Mark provided review of the geotechnical design including pile foundations for 3 bridges.			

01/19-12/23	SP NO. H.008226 / CHENIERE SPILLWAY & BRIDGE REPLACEMENT: Ouachita Parish, LA <i>Principal Engineer.</i> Mark served as the Principal Engineer for this project which included the replacement of the current damaged spillway and bridge structure in Ouachita Parish, Louisiana.
10/18-11/21	SP NO. H.003370 / I-220 I-20 INTERCHANGE IMPROVEMENT AND BARKSDALE AIRFORCE BASE ACCESS ROAD: Bossier Parish, LA <i>Principal Engineer.</i> This Design Build project consisted of direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and an interchange and access road from Interstate 20 in Shreveport, Louisiana. Mark provided quality assurance oversight for this project, reviewing the work during the design and construction phase.
05/18-08/19	SP NO. H.011152.5 / I-12 WIDENING (US 190 to LA 59): St. Tammany Parish, LA <i>Principal Engineer.</i> Mark provided technical oversight for this project which included the widening of I-12 in St. Tammany Parish. Ardaman conducted a geotechnical investigation which included 23 deep soil borings, sampling, and laboratory testing along the 3-mile alignment between US 190 and LA 59 for lane widening which included four bridges structures. Mark provided oversight to perform additional soil borings, lab testing and engineering analyses for a retaining wall for one of the bridge abutments
07/23-Ongoing	SP NO. H.012030 / US 371: KCS RAILROAD OVERPASSES HBI: Webster Parish, LA <i>Principal Engineer.</i> The project consists of construction of three bridges for US 371 KC Railroad overpasses that replaced two parallel bridges and one standalone bridge. Ardaman performed the geotechnical investigation and engineering analysis for drilled shafts and made advanced test shaft recommendations.
05/18-08/19	SP NO. H.011152.5 / I-12 WIDENING (US 190 to LA 59): St. Tammany Parish, LA <i>Principal Engineer.</i> Mark provided technical oversight for this project which included the widening of I-12 in St. Tammany Parish. Ardaman conducted a geotechnical investigation which included 23 deep soil borings, sampling, and laboratory testing along the 3-mile alignment between US 190 and LA 59 for lane widening which included four bridges structures. Mark provided oversight to perform additional soil borings, lab testing and engineering analyses for a retaining wall for one of the bridge abutments
05/18-09/19	SP NO. H.001344 / US 190: LA 437 TO USE 190 BUS (PH 1): St. Tammany Parish, LA <i>Principal Engineer.</i> Mark provided technical oversight for this project which includes the widening of US 190 to a four-lane boulevard between US 437 and US 190.
05/18-07/18	IMTT ACCESS ROAD PAVEMENT, AVONDALE: Jefferson Parish, LA <i>Principal Engineer.</i> Served as senior engineer for 2,200-foot-long x 50 -foot wide rigid and flexible roadway design for AASHTO loading per LADOTD guidelines, including subsurface exploration and testing, California Bearing Ratio, subbase material and thickness recommendations, wearing course thicknesses, and construction recommendations.
06/16-07/16	SOUTHEAST LOUISIANA URBAN FLOOD CONTROL, LOUISIANA AVENUE PAVING: Orleans Parish, LA <i>Chief of Structural Design.</i> Served as decision maker as Chief of Structural Design, USACE New Orleans, for asphalt or concrete paving, looking at factors such as construction cost, durability, maintenance cycles and costs, constructability, construction duration, etc.

16. Staff Experience:

Ardaman & Associates, Inc.			
 Jarmon King, P.E. Project Engineer	Years of experience with this firm/employer		7
	Years of experience with other firm(s)/employer(s)		1
Degree(s) / Years / Specialization		Bachelor of Science / 2019 / Civil Engineering	
Active registration number / state / expiration date		P.E.0049179 / LA / 3/31/27	
Year registered	2024	Discipline	P.E./Civil
Contract role(s) / brief description of responsibilities		Project Engineer / Jarmon will assist with the geotechnical tasks for this contract.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
Career	Jarmon serves as a project engineer of Ardaman in the Baton Rouge office with over 7 years of experience. Jarmon is involved with overseeing and conducting geotechnical investigations. Jarmon also prepares soil boring logs; processes and analyzes Cone Penetration Test (CPT) sounding design and analyses of multiple types of foundations including shallow, embankment settlement analysis, deep foundations (pile and drilled shafts), LRFD design, FHWA & GEC design, slope stability (embankment and excavation) and earth retaining structures. Jarmon has experience in overseeing and performing Pile Driving Analyzer (PDA) testing during the construction phase of projects.		
07/23-Ongoing	SP NO. H.013284 / MRB SOUTH GBRL: LA 1 TO LA 30 CONNECTOR: West Baton Rouge, Iberville, Ascension, and East Baton Rouge Parishes, LA Project Engineer. The project consists of an Enhanced Planning investigation into S.P. No. H.013284, MRB South GBR: LA 1 to LA 30 Connector, with the objective of constructing a new Mississippi River crossing located between the I-10 and LA 70 River crossings from three proposed alignments. Jarmon helped oversee the field program, development of the laboratory testing program, development of an interactive geotechnical database to compile all the soil borings and ECPT. He helped perform the preliminary engineering analyses included caisson design, driven piles, drilled shafts, embankments, proposed alignment comparisons, environmental concerns, and testing program recommendations. Jarmon assisted in preparation of the Data and Design reports for this project.		
07/21-Ongoing	SP NO. H.004100.5 / I-10: LA 415 TO ESSEN LANE ON I-10 & I-12 (CMAR): Baton Rouge Parish, LA Project Engineer. The project consists of a Construction Management at Risk (CMAR) project which includes widening of the east and westbound lanes, elevated structures, interchanges, and ramps along I-10 from LA 415 in West Baton Rouge Parish to Essen Lane on I-10 and I-12 in East Baton Rouge Parish spanning approximately 2.5 miles. Jarmon co-manages and oversees the engineering analyses pertaining to selection of design reaches, geotechnical design of		

	deep foundations, earth retaining structures, slope stability, soil-structure interaction with existing structures and load testing recommendations. Jarmon helped develop the Geotechnical Data reports, memorandums, and Design reports for this project.
04/21-Ongoing	SP NOs. 700-29-0112, 700-29-0130, H.012565, H.012891, H.014251, H.014252, H.014253, H.014254, H.014256, H.014257 / RURAL BRIDGE INITIATIVE PHASE II: West Feliciana, East Feliciana, Livingston, St. Bernard Parishes, LA Assistant Project Engineer. This project consists of the replacement of multiple small two-lane bridges throughout rural areas of Southeast Louisiana which generally ranged in length from 100 to 400 feet, mainly over small rivers and creeks. Jarmon assisted in engineering design pertaining to selection of design reaches, geotechnical design of pile foundations, drivability, slope stability, settlement analyses, construction testing program recommendations, and report preparation in accordance with LADOTD guidelines.
07/23-Ongoing	SP NO. H.012030 / US 371: KCS RAILROAD OVERPASSES HBI: Webster Parish, LA Assistant Project Engineer. The project consists of construction of three bridges for US 371 KC Railroad overpasses that replaced two parallel bridges and one standalone bridge. Ardaman performed the geotechnical investigation and engineering analysis for drilled shafts and made advanced test shaft recommendations.
07/21-01/22	SP NO. H.003931 / I-10 CALCASIEU RIVER BRIDGE: Calcasieu Parish, LA Assistant Project Engineer. Assisted with all aspects of this project pertaining to coordination of fieldwork including 37 deep soil borings, 39 ECPTs and 13 electrical resistivity (ER) geophysical survey transects. Most of the soil borings were completed from a barge, some over a considerable amount of water. Some soil borings were completed from a marsh buggy over shallow water and thick marsh grass. He also assisted with the laboratory testing program, processing and analyzing of the ECPT and ER data, development of a geotechnical database and preparation and submittal of a geotechnical data report. This project consisted of obtaining preliminary geotechnical data under an extremely strict deadline to be used in the design phase of a project that will consist of replacing the existing I-10 Calcasieu River Bridge with a new structure and improvements to various other interchanges.
06/20-11/22	SP NO. H.002825 / NICHOLSON DRIVE (LA HWY 30) SEGMENT 1: East Baton Rouge Parish, LA Assistant Project Engineer. This project consisted of the reconstruction and widening of a section of Nicholson Drive between the intersections of Brightside Lane and Burbank Drive for the MOVEBR Program. Thirteen shallow soil borings and two deep soil borings were drilled at the subject site and associated laboratory testing was performed. Jarmon oversaw the field investigation and engineering analyses which included pavement and culvert crossing design recommendations in accordance with LADOTD specifications.
10/18-06/21	SP NO. H.000263 / CHEF MENTEUR PASS BRIDGE & APPROACH: Orleans Parish, LA Assistant Project Engineer. Helped produced soil boring logs and CPT soundings in LADOTD format. Assisted with development of the data report.
10/18-11/21	SP NO. H.003370 / I-220 / I-20 INTERCHANGE IMPROVEMENT AND BARKSDALE AIR FORCE BASE ACCESS ROAD: Bossier Parish, LA Assistant Project Engineer. This was a Design Build project which provides direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and constructing an interchange and access road from Interstate 20 in Bossier City, Louisiana. Jarmon assisted with the construction monitoring aspect of the project which included PDA testing and CAPWAP analyses.

16. Staff Experience:

Ardaman & Associates, Inc.			
 Jessica Litt Laboratory Manager	Years of experience with this firm/employer		12
	Years of experience with other firm(s)/employer(s)		0
Degree(s) / Years / Specialization		Bachelor of Science / 2010 / Biology	
Active registration number / state / expiration date		NICET / Generalist, Laboratory No. 141243 / 10/1/27	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Laboratory Manager / Jessica will assist with the geotechnical tasks for this contract.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
Career	Jessica serves as Laboratory Manager of Ardaman’s Baton Rouge laboratory which is under the direction of a Registered Professional Engineer. She supervises and manages operations of our AMRL Certified, DEQ Accredited, and USACE-validated laboratory and performs and oversees laboratory testing assignments, organizes, and schedules testing, trains and develops technicians, and supervises five laboratory technicians. Jessica is experienced conducting soil mechanics laboratory testing in accordance with appropriate AASHTO and LADOTD testing protocol, which includes Soil Classification, Atterberg Limits, Grain Size Analysis, Gradation Testing, Organic Content, Hydrometer Analysis, Moisture Content, Consolidation Testing, Hydraulic Conductivity, pH, Resistivity, Strength Testing (Unconfined, Unconsolidated-Undrained Triaxial, Consolidated-Undrained Triaxial), Direct Shear, Specific Gravity, and Permeability of Granular Soils.		
03/25-Ongoing	SP NOs. H.016313.5, H.016314.5, H.016315.5, H.016316.5, H.016317.5, H.016318.5, H.016319.5, H.016320.5, H.016325.5 / CULVERT REPLACEMENTS: Evangeline, Jackson, Rapides, Richland, St. Landry, Vernon, and Winn Parishes, LA Laboratory Manager. Oversaw the completion of a comprehensive laboratory testing program for 100 deep soil borings that included Atterberg Limits, Moisture Content, Visual Classification, Fines Content, Gradation Analysis, Organic Content, Particle Size Analysis, Hydrometer, Unit Weight of Undisturbed Samples, and UU Strength Tests in accordance with LADOTD guidelines. Jessica entered the laboratory test results into gINT in order to produce the LADOTD soil boring logs.		
07/23-Ongoing	SP NO. H.012030 / US 371: KCS RAILROAD OVERPASSES HBI: Webster Parish, LA Laboratory Manager. The project consists of construction of three bridges for US 371 KC Railroad overpasses that replaced two parallel bridges and one standalone bridge. Ardaman performed the geotechnical investigation and engineering analysis for drilled shafts and made advanced test shaft recommendations.		

16. Staff Experience:

Ardaman & Associates, Inc.			
 Casey Floyd Drilling Supervisor	Years of experience with this firm/employer		5
	Years of experience with other firm(s)/employer(s)		30
Degree(s) / Years / Specialization	N/A		
Active registration number / state / expiration date	N/A		
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Drilling Supervisor / Casey will assist with the geotechnical tasks for this contract.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
Career	Casey has over 30 years of experience drilling in the Louisiana Gulf Coast Region including performing soil borings (on land and over water), CPT soundings, monitor well installation and abandonment, and installation of geotechnical monitoring instrumentation. Casey has planned and supervised many LADOTD geotechnical investigation projects. He has arranged right of entry, utility locations, site clearing, arranging for police assistance (if needed) and traffic control/crew safety, and coordinating between engineering staff and drill crew. He has also successfully completed a multitude of LADOTD projects consisting of shallow borings and deep soil borings to depths of approximately 300 feet.		
03/25-Ongoing	SP NOs. H.016313.5, H.016314.5, H.016315.5, H.016316.5, H.016317.5, H.016318.5, H.016319.5, H.016320.5, H.016325.5 / CULVERT REPLACEMENTS: Evangeline, Jackson, Rapides, Richland, St. Landry, Vernon, and Winn Parishes, LA Drilling Supervisor. The project consisted of geotechnical field investigations throughout Louisiana consisting of ten soil borings to depths ranging from 100 to 120 feet. Casey oversaw the field investigation program consisting of 10 deep soil borings in accordance with LADOTD guidelines. He performed site reconnaissance at each location and coordinated the access along with traffic control.		
08/24-Ongoing	SP NOs. H.015568.5, H.015569 / LA 44 ROUNDABOUTS & WIDENING: Ascension Parish, LA Drilling Supervisor. Casey oversaw the field investigation program consisting of 10 deep and 14 shallow soil borings in accordance with LADOTD guidelines. He performed site reconnaissance, coordinated the access along with traffic control and pavement coring.		
07/23-Ongoing	SP NOs. H.015489, H.015490, H.015491, H.015492 / IJJA: OFF-SYSTEM BRIDGES: Allen, Beauregard, and Calcasieu Parishes, LA Drilling Supervisor. Casey oversaw the field investigation program consisting of 10 deep soil borings in accordance with LADOTD guidelines. He performed site reconnaissance, coordinated the access along with traffic control and pavement coring.		

16. Staff Experience:

Bridge Diagnostics, Inc (BDI)			
 Graham Bettis, P.E. Vice President	Years of experience with this firm/employer		1
	Years of experience with other firm(s)/employer(s)		26
Degree(s) / Years / Specialization		Bachelor of Science / 1999 / Architectural Engineering	
Active registration number / state / expiration date		P.E. 0051019 / LA / Exp. 09/30/2026	
Year registered	2026	Discipline	P.E. / Civil
Contract role(s) / brief description of responsibilities		Structural Engineer / Graham will lead BDI's team for this contract.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
09/25–Ongoing	Mr. Bettis joined the BDI team in 2025 with the goal of focusing on the National Bridge Inspection program and working with Infrastructure Owners on their Bridge Preservation and Asset Management strategies. He remains highly engaged in national bridge efforts to ensure there are tools and techniques in place to prioritize responsible preservation actions for all bridges, not just those that have fallen into disrepair. Mr. Bettis brings valuable structural and professional experience to BDI and helps position BDI at the forefront of the bridge inspection, maintenance, and preservation sector. His comprehensive understanding of structural materials, composition, and mechanics make him a valuable asset to BDI's bridge evaluation and preservation program.		
10/25–Ongoing	LADOTD, Bonnet Carre Spillway I-10 Deck Evaluation, St. Charles Parish, LA QA/QC. BDI performed nondestructive evaluation testing of the I-10 bridge over the Bonnet Carre Spillway in St. Charles Parish to assess the condition state of the bridge deck and evaluate any appropriate means of preservation that could be necessary for the bridge's longevity. Mr. Bettis served as a Subject Matter Expert throughout the lifespan of the project; responsible for QA/QC and testing plan development.		
11/24–08/25	Michael Baker International (MBI). Mr. Bettis joined the MBI team to run their statewide design, inspection, and preservation programs in Texas. Soon after starting at MBI, Graham developed short- and long-term goals for the Bridge Team and prepared a detailed Tactical Action Plan focused on business development in Texas and beyond.		
05/06 –10/24	Texas Department of Transportation (TxDOT). Mr. Bettis moved from the private to public sector in 2006, joining the Texas Department of Transportation. From 2006 to 2010, Mr. Bettis worked in TxDOT's Structures Lab where he was responsible for overseeing the statewide QC/QA program for largescale structural bridge members, including precast concrete girders, structural steel, segmental units, bearings, pipes, and numerous other elements.		

16. Staff Experience:

Bridge Diagnostics, Inc (BDI)				
 Brice Carpenter, P.E. Senior Engineer	Years of experience with this firm/employer			17
	Years of experience with other firm(s)/employer(s)			0
Degree(s) / Years / Specialization		Master of Science / 2009 / Civil Engineering Bachelor of Science / 2007 / Civil Engineering		
Active registration number / state / expiration date		P.E. 0039341 / LA / Exp. 03/31/2027		
Year registered	2014	Discipline	P.E. / Civil	
Contract role(s) / brief description of responsibilities		Structural Engineer / Brice will assist BDI's team for this contract and meet MPR #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 time specified in the applicable MPR(s).			
10/24-Ongoing	LADOTD, Multi-Phase Field-Verified Evaluation of the Bayou Ramos Bridges, Morgan City, LA Project Engineer. Brice served as Project Engineer, leading the development and execution of a multi-phase structural evaluation and managing project delivery, staff coordination, and QA/QC. His responsibilities included oversight and review of load rating calculations and AASHTOWare BrR models, development and implementation of testing plans, evaluation of strut-and-tie (STM) methodologies for girder shear capacity, and preparation of technical reporting. Brice directed both analytical and field efforts, including diagnostic load testing to validate structural behavior and STM assumptions, as well as implementation of a monitoring program to assess deterioration activity.			
07/24–02/25	VDOT, Refined Load Rating of Falmouth Bridge for Emergency Repair Response, Fredericksburg, VA Project Engineer. Brice served as Project Engineer, leading the development and execution of a refined load rating evaluation to support emergency response efforts based on recent inspection findings of severe section loss in primary steel members. He oversaw testing plan design and implementation, field-verified modeling and load rating, and coordination of the evaluation effort. His responsibilities included development of a field-verified finite element model using load testing data, structural analysis and load rating, and QA/QC of technical deliverables.			
01/25–02/25	CEC, Bayou LA Loutre Bridge Balance Testing Project Engineer. Brice served as the Project Engineer for bridge balance testing services on a vertical lift bridge rehabilitation project. He was responsible for coordinating with the client and managing the execution of field instrumentation, including the design and implementation of torque-based measurement systems. He directed data collection efforts and performed detailed data processing and engineering assessments. He also completed balance evaluations to support project objectives and prepared technical documentation, delivering findings through formal reporting.			

16. Staff Experience:

Bridge Diagnostics, Inc (BDI)			
 Brett Commander, P.E. Principal	Years of experience with this firm/employer		36
	Years of experience with other firm(s)/employer(s)		1
Degree(s) / Years / Specialization		Master of Science / 1989 / Structural Engineering Bachelor of Science / 1986 / Civil Engineering	
Active registration number / state / expiration date		P.E. 0035864 / LA / Exp. 03/31/2027	
Year registered	2010	Discipline	P.E. / Civil
Contract role(s) / brief description of responsibilities		Structural Engineer / Brett will assist BDI's team for this contract and meet MPR #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 time specified in the applicable MPR(s).		
10/89-Ongoing	Brett is a co-founder of BDI and has led the engineering team for more than 36 years. He started his engineering career developing software and analytical methods for realistic assessment of structural performance through load test results. His work provided field verified load ratings by utilizing actual load paths with calibrated FEA models. Brett's experience with vehicle load considerations includes Bridge Weigh-in-Motion research and numerous super-heavy load tests and permit load ratings on more than 1000 highway and railway bridges using a variety of design codes such as AASHTO, LADOTD BDEM, and many state-specific codes including LADOTD specifications. Brett now leads a team of engineers to accurately assess bridge performance through instrumentation and data-driven methods.		
01/23–Ongoing	US Army Corps of Engineers, Instrumentation and Monitoring IDIQ, Walla Walla District <i>Principal</i>. Brett serves as the Principal-in-Charge responsible for instrumentation, structural testing, and structural health monitoring of mechanical and structural systems at several dams in the northwest region. Mr. Commander's role is to address issues presented by USACE project personnel and develop instrumentation methods that best answer complex problems regarding the condition and behavior of structural systems. He manages BDI engineers in the design and implementation of testing and monitoring programs to achieve this goal. This IDIQ \$7M/5-year contract is available to all districts in the northwest region.		
10/21–05/22	LADOTD, Load Test and Field-Verified Load Ratings of 10 Structures, Statewide, LA <i>Principal</i>. BDI performed refined load ratings of ten structures based on diagnostic load testing of each structure. The evaluated structures ranged from short-span reinforced concrete slabs to culverts of various types with minimal fill depths. In all cases, the bridges were selected for refined analysis based on their inability to meet posting requirements using more standard evaluation techniques. BDI's approach served to validate structure response characteristics in an effort to increase or remove posting requirements. Load rating calculations were performed within the requirements of LADOTD and AASHTO, and load rating reports meeting LADOTD requirements were submitted for each structure.		

Gresham Smith

16. Staff Experience:

Bridge Diagnostics, Inc (BDI)			
 Jesse Sipple, P.E. Services Division Manager	Years of experience with this firm/employer		12
	Years of experience with other firm(s)/employer(s)		7
Degree(s) / Years / Specialization		Ph.D. / 2013 / Civil Engineering Master of Science / 2008 / Civil Engineering Bachelor of Science / 2007 / Civil Engineering	
Active registration number / state / expiration date		P.E. 0041028 / LA / Exp. 03/31/2027	
Year registered	2016	Discipline	P.E. / Civil
Contract role(s) / brief description of responsibilities		Project Manager / Jesse will assist BDI's team for this contract and meet MPR #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 time specified in the applicable MPR(s).		
07/18–08/18 & 07/23–08/23	Stantec, Bear River Bridge Dynamic Testing, Auburn, CA QA/QC. BDI was contracted by Stantec to perform dynamic tests on the Bear River Siphon Bridge near Auburn, CA. The bridge is a single span suspension bridge carrying a water supply pipe. The testing focused on measuring vibration responses across the bridge to determine the dynamic response of the entire structure. The overall goal of these tests was to validate the predicted structural response. Additionally, cable dynamic testing was performed to determine the in-situ tensile forces in each hanger cable and stay cable. Dr. Sipple performed quality control on the analysis and reporting for this project.		
2022–Ongoing	Seattle DOT, West Seattle High Bridge Investigation and Monitoring, Seattle, WA Project Manager. BDI was contracted by Seattle DOT to provide a nondestructive testing and structural health monitoring program to help evaluate the performance of the structure during the first phase of retrofitted internal post-tensioning. The monitoring program helped the Seattle DOT make decisions and resulted in the next phase of strengthening to open the bridge by 2022. Dr. Sipple is the project manager and monitoring engineer in charge of BDI's emergency response participation, which included running several drills with mock alarm scenarios, developed by Dr. Sipple, with the project team.		
06/20–Ongoing	Burgess & Niple, Virgin River Gorge Testing & Monitoring, Northwest Arizona Project Manager. BDI was contracted by Burgess & Niple under ADOT for the Accelerated Innovation Deployment grant as part of FHWA's Technology and Innovation Deployment Program to perform load testing and structural health monitoring on three bridges along I-15 in the Virgin River Gorge. Dr. Sipple is the project manager for this project's various phases, including the live load testing portion and the long-term monitoring. Dr. Sipple is also a monitoring engineer on this project and is in charge of the monthly reporting, which includes rain flow data analysis, reporting on changes in structural response throughout the project, and system alarm response.		

16. Staff Experience:

Forte and Tablada, Inc.				
Russell “Joey” Coco, P.E., MBA Principal			Years of experience with this firm/employer	19
			Years of experience with other firm(s)/employer(s)	5
Degree(s) / Years / Specialization		Bachelor of Science / 2000 / Civil Engineering Master of Business Administration / 2006 / Business Administration		
Active registration number / state / expiration date		P.E. 0031337 / LA / Exp. 09/30/2026		
Year registered		2004	Discipline	P.E. / Civil
Contract role(s) / brief description of responsibilities			Principal / Joey will lead Forte and Tablada’s team for this contract.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
09/22–Ongoing	LADOTD, Retainer Contract for Bridge Load Rating Services, Statewide, Louisiana Principal-in-Charge. Joey is the principal for two Task Orders under a load rating retainer contract to perform a load rating for numerous bridges that have experienced a condition drop due to deterioration. The load ratings are being performed in accordance with LADOTD BDEM.96 – Publication of Load Rating, Posting and Strengthening Standard Operating Procedure (SOP). Task Order 1 is for the load rating of ninety-five (95) on-system slab span bridges that have experienced a condition drop since the last load rating. Includes inspection (when required) and, if a load posting if required, determination of repair/rehabilitation options to improve/remove the load posting. (09/22 – 12/24) Task Order 6 is for the load rating of approximately sixty-five (65) on-system girder bridges that have experienced a condition drop since the last load rating. Bridges vary from small bridges built using LADOTD Standard Plans to complex urban bridges several-thousand feet long. Includes inspection (when required) and, if a load posting if required, determination of repair/rehabilitation options to improve/remove the load posting. (06/23 – Ongoing) Task Order 10 is for the load rating of approximately seventy-five (75) on-system bridges. Bridges include precast and CIP slab spans, CPM and box culverts, concrete and steel girder spans, and complex major river crossings. Includes inspection (when required) and, if a load posting if required, determination of repair/rehabilitation options to improve/remove the load posting. (04/25 – Ongoing)			
08/14–Ongoing	LADOTD, I-49 Connector, Lafayette Parish, LA Principal-in-Charge. Joey is responsible for providing topographic surveying services for the I-49 Connector. The project is in a dense urban area and is approximately 5 miles long. Forte and Tablada, Inc. completed laser scanning services for much of the congested corridor as a means to obtaining topographic data without endangering surveyors.			

16. Staff Experience:

Forte and Tablada, Inc.				
Bradley Holleman, PLS, P.E. Senior Vice President, Survey			Years of experience with this firm/employer	5
			Years of experience with other firm(s)/employer(s)	15
Degree(s) / Years / Specialization		Bachelor of Science / 2009 / Civil Engineering with Minor in Land Surveying		
Active registration number / state / expiration date		P.E. 0047165 / LA / Exp. 03/31/2027 ; PLS 5082 / LA / Exp. 09/30/2026		
Year registered		2022 (P.E.) 2012 (PLS)	Discipline	Land Surveying
Contract role(s) / brief description of responsibilities			Survey Principal-in-Charge / Bradley will lead Forte and Tablada’s survey team for this contract.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
08/23–Ongoing	LADOTD, Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program- 10 State Project Numbers (13 Bridge Sites), East Baton Rouge Parish, LA <i>Principal-in-Charge</i> . Bradley is the principal for topographic surveying and right-of-way mapping services for 13 bridge sites on 2 lane roadways.			
12/21–Ongoing	LADOTD, IDIQ Contract for Professional Surveying Services, Statewide, LA <i>Principal-in-Charge</i> . Bradley is performing Topographic Surveys for LA DOTD. To date, this IDIQ contract has included a total of 9 separate Task Orders for 7 State Highway Projects. Survey tasks included establishing deep rod control monuments, Conventional Topo, Hydrographic Survey, terrestrial and mobile LiDAR Survey, and producing Existing Drainage Maps.			
09/21–Ongoing	LADOTD, IDIQ Contract for Professional Surveying Services, Statewide with Majority of Work in Districts 03 and 07 <i>Principal-in- Charge</i> . Bradley is principal for property surveys, establishing existing right-of-way, right-of-way maps and title take-offs for LA DOTD.			
06/21–Ongoing	LADOTD, Rural Bridge Replacement Initiative Phase II; 5 State Project numbers (20 Bridge Sites), Districts 04 and 05, LA <i>Principal-in-Charge</i> . Bradley is the principal for topographic surveying and right-of-way mapping services for 20 bridge sites on 2 lane rural roadways.			
01/21–Ongoing	LADOTD, I-49 Connector, Lafayette Parish, LA <i>Principal-in-Charge</i> . Bradley is responsible for providing topographic and property surveying services for the I-49 Connector. The project is in a dense urban area and is approximately 5 miles long.			

16. Staff Experience:

Forte and Tablada, Inc.				
Ross Wilson, PLS Senior Professional Land Surveyor		Years of experience with this firm/employer		14
		Years of experience with other firm(s)/employer(s)		2
Degree(s) / Years / Specialization		Bachelor of Science / 2010 / Geomatics		
Active registration number / state / expiration date		PLS 5148 / LA / Exp. 03/31/2028		
Year registered		2015	Discipline	Land Surveying
Contract role(s) / brief description of responsibilities		Topographic Survey Manager / Ross will assist Forte and Tablada's survey team for this contract.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
08/23–Ongoing	LADOTD, Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program - 10 State Project Numbers (13 Bridge Sites), East Baton Rouge Parish, LA Surveyor-in-Charge. Ross is responsible for topographic surveying and right-of-way mapping services for 13 bridge sites on 2 lane roadways.			
12/21–Ongoing	LADOTD, IDIQ Contract for Professional Surveying Services, Statewide, LA Surveyor-in-Charge. Ross is the surveyor in charge performing Topographic Surveys for LA DOTD. To date, this IDIQ contract has included a total of 9 separate Task Orders for 7 State Highway Projects. Survey tasks included establishing deep rod control monuments, Conventional Topo, Hydrographic Survey, terrestrial and mobile LiDAR Survey, and producing Existing Drainage Maps.			
06/21–Ongoing	LADOTD, Rural Bridge Replacement Initiative Phase II; 5 State Project numbers (20 Bridge Sites), Districts 04 and 05, LA Surveyor-in-Charge. Ross is responsible for topographic surveying and right-of- way mapping services for 20 bridge sites on 2 lane rural roadways.			
08/19–08/25	LADOTD, I-10/Loyola Interchange Improvements, Kenner, LA Surveyor-in-Charge. Ross provided Topographic Survey, Right- of-Way Survey, Drainage Survey, and Right-of-Way Monument Mapping. The project stretches along I-10, from the levee in Kenner to the Williams Blvd. off ramp, as well as Loyola Avenue and portions of Veterans Blvd for approximately 3.2 miles of roadway. The Survey was part of a Design-Build Project, which required weekly data updates, to allow the Design team to begin working and stay on schedule.			

16. Staff Experience:

Forte and Tablada, Inc.			
Rachel Waldroup, PLS Professional Land Surveyor		Years of experience with this firm/employer	
		10	
		Years of experience with other firm(s)/employer(s)	
		0	
Degree(s) / Years / Specialization		Bachelor of Science / 2020 / Environmental Science	
Active registration number / state / expiration date		PLS 5277 / LA / Exp. 09/30/2026	
Year registered	2022	Discipline	Land Surveying
Contract role(s) / brief description of responsibilities		Right-of-Way Task Lead / Rachel will assist Forte and Tablada's survey team for this contract.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
04/24 – Ongoing	LADOTD, IDIQ Contract for Professional Surveying Services, Statewide with Majority of Work in Districts 02, 61, and 62 Surveyor. Rachel is performing property surveys, establishing existing right-of-way, right-of-way maps and title take-offs for LA DOTD. Under this contract, a total of 5 task orders have been executed. This contract showcases Rachel's familiarity with the process of managing an LADOTD Survey IDIQ Task Order from beginning to end.		
08/23 – Ongoing	LADOTD, Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program- 10 State Project Numbers (13 Bridge Sites) District 61 Surveyor. Rachel is responsible for topographic surveying and right-of-way mapping services that included title take-offs, field investigations to survey property boundary evidence, boundary analysis, existing right of way location determination and right of way mapping. The condensed timeline of the projects required that multiple crews be mobilized weekly to stay on schedule.		
09/21 – Ongoing	IDIQ Contract for Professional Surveying Services, Statewide with Majority of Work in Districts 03 and 07 Surveyor. Rachel is performing property surveys, establishing existing right-of-way, right-of-way maps and title take-offs for LA DOTD. Under this contract, a total of 23 task orders have been executed. This contract showcases Ms. Waldroup's familiarity with the process of managing an LADOTD Survey IDIQ Task Order from beginning to end.		
06/21 – Ongoing	LADOTD, Rural Bridge Replacement Initiative Phase II; 5 State Project numbers (20 Bridge Sites), Districts 04 and 05 Survey CAD Technician and Surveyor. Rachel is responsible for topographic surveying and right-of-way mapping services that included title take-offs, field investigations to survey property boundary evidence, boundary analysis, existing right of way location determination and right of way mapping.		

16. Staff Experience:

Forte and Tablada, Inc.				
Blake Bonnette Task Lead – Aerial/Mobile LiDAR		Years of experience with this firm/employer		10
		Years of experience with other firm(s)/employer(s)		2
Degree(s) / Years / Specialization		Associate's of Science / 2015 / South Louisiana Community College		
Active registration number / state / expiration date		N/A		
Year registered		N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Remote Sensing Supervisor / Blake will assist Forte and Tablada's survey team for this contract.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
01/16 – Ongoing	LADOTD, I-49 Connector, Lafayette Parish, LA LiDAR Project Lead. Blake is responsible for providing topographic, terrestrial LiDAR scanning, hydrographic, and property surveying services for the I-49 Connector. The project is in a dense urban area and is approximately 5 miles long.			
11/25 – 12/25	LADOTD, Anacoco, Vernon & Bundick LWI Dam Surveys Advanced Measurements Project Lead. Aerial lidar of the Dam and Spillway. Topographic survey of spillway outflow and creek. Terrestrial laser scans of the Open Channel Spillway, Channel guide walls, basin Baffles. A Multibeam Bathymetric Survey was performed at the upstream area around the spillway, around the Surrounding Dam embankment and 50' beyond the Toe for the length of the Dam embankment.			
03/24	LADOTD, LA Hwy 47 Over Bayou Bienvenue, Emergency Bridge Replacement, St. Bernard/Orleans Parish, LA LiDAR Project Lead. Forte and Tablada was tasked to provide topographic surveying for an emergency bridge replacement of the LA 47 bridge over Bayou Bienvenue. In addition to Conventional Topographic survey, Hydrographic survey of the Bayou was included. The bridge deck features and substructures were scanned through terrestrial LiDAR methods. Due to the emergency status of the project, the project was completed in a condensed timeline.			

16. Staff Experience:

Forte and Tablada, Inc.				
Trenton Iglehart Senior CADD Technician			Years of experience with this firm/employer	3
			Years of experience with other firm(s)/employer(s)	27
Degree(s) / Years / Specialization	N/A			
Active registration number / state / expiration date	N/A			
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		Hydrographic Task Manager / Trenton will assist Forte and Tablada’s survey team for this contract.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
02/25 – 03/25	Myrtle Grove QA Investigation and Post Dredge Surveys, Plaquemines Parish, LA Hydrographic Task Manager . Forte and Tablada was contracted for project consisting of a Singlebeam Hydrographic investigative QA survey of 5 miles of canals and a full post dredge survey of 250 cross sections over 5 miles of canals in Plaquemines Parish for Plaquemines Parish Government.			
10/24	LADOTD, Underwater Bridge Inspections, Wax Lake Outlet US190 Bridge Hydrographic Task Manager . Trenton was the hydrographic task manager for project consisting of a Multibeam Hydrographic survey for Underwater Bridge Inspection.			
03/2024-04/2024	LADOTD, LA Hwy 47 Over Bayou Bienvenue- Emergency Bridge Replacement, St. Bernard/Orleans Parish, LA Hydrographic Task Manager . Forte and Tablada provided topographic surveying for an emergency bridge replacement of the LA 47 bridge over Bayou Bienvenue. In addition to Conventional Topographic survey, Hydrographic survey of the Bayou was included. The bridge deck features and substructures were scanned through terrestrial LiDAR methods. Due to the emergency status of the project, the project was completed in a condensed timeline.			
07/23 – 09/23	LADOTD, Three Mile Lake Flood Reduction Senior CAD Technician/Hydrographic Task Manager . Forte and Tablada was responsible for field data collection and processing for all Hydrographic survey data. Field data processing and drafting for Topographic Surveys. This project consisted of Bathymetric cross sections, the survey of the weir and 3d terrestrial laser scans of 4 bridges surrounding 3 Mile Lake.			
06/23 – 08/23	LADOTD, Underwater Acoustic Imaging - LA 14 Over Delcambre Canal Hydrographic Survey, Iberia Parish, LA Technician . Forte and Tablada was contracted for area around the LA-14 Bridge over Delcambre Canal. The work included typical cross-sections, and water bottom features below waterline were collected using multi-beam and single beam sonar equipment. Terrestrial LiDAR was used to capture the above water surface.			

16. Staff Experience:

Gulf South Research Corporation				
Suna Adam President		Years of experience with this firm/employer		32
		Years of experience with other firm(s)/employer(s)		5
Degree(s) / Years / Specialization		Bachelor of Science / 1988 / Forestry – Wildlife Management		
Active registration number / state / expiration date		N/A		
Year registered		N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		QA/QC / Suna will provide QA/QC for environmental tasks on this contract.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
Career	Ms. Adam has served as contract manager on numerous indefinite delivery contracts for various governmental agencies, including LADOTD. Under her leadership, GSRC has grown from one employee in 1994 to 34 full-time professionals, with a contract base providing annual revenues of several million dollars. As Senior Biologist, Ms. Adam has participated in numerous environmental projects including endangered species surveys, wetland delineations, Environmental Assessments (EA), and environmental impact statements (EIS). Ms. Adam has attended various training courses including the NHI Course No. 142005, “National Environmental Policy Act (NEPA) and Transportation Decision Making”, a 40-hour Hazardous Waste Training course under 29 CFR 1910.1120 requirements, the U.S. Army Corps of Engineers Regulatory IV Wetland Identification and Delineation course, a U.S. Fish and Wildlife (USFWS) Symposium on the red-cockaded woodpecker (RCW), and a Habitat Evaluation Procedures (HEP) course also sponsored by USFWS.			
09/22--Ongoing	LADOTD, IDIQ Contract for Environmental and Cultural Resources, Statewide, LA Program Manager. Ms. Adam manages the contractual responsibilities of the contract. She approves cost proposals, QA/QC of deliverables, modifications and any updates required.			
06/22–06/24	Entergy, Environmental Assistance, Arkansas, Texas, Louisiana and Mississippi Contract Manager. Ms. Adam was the contract manager for this contract. She was responsible for delegating the awarded projects, cost proposals, and overall contractual duties required.			
02/21–07/21	LADOTD, Retainer Contract for Cultural Resources, Statewide, LA Contract Manager. GSRC was awarded the Retainer Contract for Cultural Resources. GSRC completed numerous task orders throughout Louisiana, including the Bonita Overpass and the Verot School Road Phase I cultural resources surveys.			

16. Staff Experience:

Gulf South Research Corporation				
Jenifer Davis Archaeology Field Technician		Years of experience with this firm/employer		1
		Years of experience with other firm(s)/employer(s)		1
Degree(s) / Years / Specialization		Bachelor of Arts / 2023 / Anthropology		
Active registration number / state / expiration date		N/A		
Year registered		N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Archaeology Field Technician / Jenifer will provide assistance for environmental tasks on this contract.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
Career	Ms. Davis has worked in the southern U.S., particularly the Gulf Coast region, where she has conducted multiple surveys in the field documenting both soil changes and probability of archaeological finds, along with the delineation of any newly discovered or previously recorded sites. Ms. Davis has assisted in managing and performing various field-related tasks and has written company-client reports.			
03/24–08/25	LADOTD, Mississippi River Bridge South Cultural Resources Projects, Baton Rouge, LA Archaeologist. Ms. Davis is participating in the ongoing archaeological field survey and is assisting in documenting positive shovel tests by taking photos of diagnostic and nondiagnostic artifacts. She is also assisting the architectural historian in the ongoing above-ground survey identifying and documenting historic built resources and structures older than 45 years that may be affected by the proposed project.			
05/24–06/25	Environmental Compliance Services for the Implementation of the CSCFO, Statewide, LA Archaeologist. Ms. Davis is assisting in the cultural resources evaluations Phase of the ongoing project, including writing and preparing cultural resources evaluation memos and conducting extensive background research for each memo.			

16. Staff Experience:

Gulf South Research Corporation				
Allen Fuller Wetland Biologist		Years of experience with this firm/employer		14
		Years of experience with other firm(s)/employer(s)		2
Degree(s) / Years / Specialization		Bachelor of Science / 2008 / Plant and Soil Systems		
Active registration number / state / expiration date		N/A		
Year registered		N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Wetland Biologist/Delineation / Allen will provide assistance for environmental tasks on this contract.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
2009–Ongoing	Wetland Delineations for Private Clients, Statewide, LA <i>Biologist</i>. Mr. Fuller assisted in the field surveys, report preparation, and permitting processes for wetland delineations within several parishes in Louisiana. Field surveys, plant identification, and report preparation were required to be submitted to the USACE for verification of wetland boundaries and permitting of dredge and fill operations for property development.			
02/20–02/21	CSRS, Wetland Delineations for a Proposed Wind Farm, Quitman and Tunica Counties, MS <i>Biologist</i>. GSRC was contracted by CSRS to determine the extent of potential jurisdictional Waters of the U.S., including wetlands on approximately 43,000 acres near Tunica, Mississippi. The Area of Interest (AOI) consisted primarily of private agricultural lands interspersed with wooded streams and forested hunting lands. Mr. Fuller served as a field biologist for the wetland delineations, which were conducted both on foot and with the use of ATV's over the course of several months. Threatened and endangered species surveys were conducted concurrently with the wetland delineation surveys.			
09/17–10/18	USACE, Multiple Wetland Delineations of Separate Project Areas for Joint Readiness Training Center and Fort Johnson, Vernon Parish, LA <i>Field Biologist</i>. GSRC was contracted by the USACE, Fort Worth District, to perform wetland delineations for various construction projects as part of a larger effort to manage newly acquired lands within the jurisdiction of Fort Johnson. These lands contain large expanses of bottomland hardwood that offer potential as future mitigation credit sites. Mr. Fuller has participated in two wetland delineations for separate construction projects that have or will take place on the newly acquired property. The wetland delineation project areas were 18 acres and 87 acres in size and predominantly were located in areas containing upland loblolly pine plantations, mixed hardwood-loblolly pine forests, and bottomland hardwood forests. Mr. Fuller conducted the wetland delineation data collection and mapping and prepared the final summary report.			

16. Staff Experience:

Gulf South Research Corporation			
Christy Guempel GIS Analyst		Years of experience with this firm/employer	
		7	
		Years of experience with other firm(s)/employer(s)	
		10	
Degree(s) / Years / Specialization		Bachelor of Science / 2003 / Geography	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		GIS Analyst / Christy will provide assistance for environmental tasks on this contract.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
10/20–02/22	LCIW, Louisiana Phase 1 Archaeological Investigation of 54 Acres for the Louisiana Correctional Institute for Women, Iberville Parish, LA Senior GIS Analyst. GSRC was contracted to conduct a cultural resources survey of 54 acres of land for the proposed construction of the Louisiana Correctional Institute for Women (LCIW) on behalf of Grace Hebert Curtis Architects and U.S. Department of Homeland Security Federal Emergency Management Agency (FEMA), Region VI. Ms. Guempel processed the shovel test pit (STP) GPS data. Following field notes and hand drawn plots, she digitized the STPs for the delineation of the archaeological site found on the property. She georeferenced and digitized the previous archaeological survey and sites conducted within a one-mile buffer of the project area. She created the figures presented in the report.		
09/17–10/18	USFS, Phase 1 Cultural Resources Survey of 4,017 Acres for the Bienville National Forest Service, Smith, Newton and Scott County, MS Senior GIS Analyst. GSRC was contracted by the U.S. Forest Service (USFS) to conduct an intensive Phase I cultural resources survey of approximately 4,017 acres in Smith, Newton, and Scott Counties, Mississippi within the Bienville National Forest. Ms. Guempel was responsible for GIS analysis, cartographic design, development of all maps for the report, and supervised the completion of the GIS geodatabase.		
09/18–11/19	USFS, Phase 1 Cultural Resources Survey for the Bienville National Forest Service, Scott County, MS Senior GIS Analyst. GSRC was contracted by the USFS to conduct an intensive Phase I cultural resources survey of 4,980 acres among 81 units across 21 Compartments within the Bienville National Forest in support of the proposed Timber Sale Project in Scott County, Mississippi. Ms. Guempel provided GIS analysis of the field data, cartographic design, set-up the geodatabase schema, and created all maps presented in the report. She also supervised the completion of the GIS geodatabase deliverable.		

16. Staff Experience:

Gulf South Research Corporation				
Ross Hackbarth Wetland Biologist		Years of experience with this firm/employer		9
		Years of experience with other firm(s)/employer(s)		1
Degree(s) / Years / Specialization		Bachelor of Science / 2014 / Botany		
Active registration number / state / expiration date		N/A		
Year registered		N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Wetland Biologist/NEPA / Ross will provide assistance for environmental tasks on this contract.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
09/20–09/23	USACE, Environmental Assessment for Facility Enhancements and Land Use Modification Projects at Columbus Air Force Base, Columbus, MS <i>Biologist</i>. GSRC was contracted by USACE, Mobile District, to complete an EA and supporting environmental studies for proposed construction, demolition, and land use modification actions at Columbus Air Force Base in Lowndes County, Mississippi. The proposed projects were the replacement and construction of a physical fitness center, replacement and construction of a water storage tank, and permanent placement of fill material into and onto the water bottom of a man-made lake. Mr. Hackbarth served as a technical preparer for sections of the EA and provided quality assurance for supporting documents including a biological resources report and environmental baseline study. Additionally, Mr. Hackbarth served as a GIS analyst and assisted with map creation for the various documents required under the contract.			
09/17–10/18	NAVFAC SE, Rare, Threatened and Endangered Species, Bird and Invasive Plant Inventory at Naval Construction Battalion Center Western Maneuver Area, Hancock County, MS <i>Field Biologist</i>. Naval Facilities Engineering Systems Command Southeast (NAVFAC SE) contracted JESCO Environmental and Geotechnical Services, Inc. and GSRC to conduct an inventory of rare, threatened, and endangered species, birds, and invasive plants on approximately 1,477 acres of land newly acquired by the U.S. Navy at the Naval Construction Battalion Western Maneuver Area (NCBC WMA) in Hancock County, Mississippi. Knowledge of the site occupancy and seasonal use of the survey area by these species supports the long-term sustainment and planning of NCBC WMA actions. Mr. Hackbarth participated in fall field surveys, which included live trapping (e.g., hoop nets, cover boards, trash can traps), bird point count stations, and pedestrian transects. One species documented in 2019 during point-count surveys, the little blue heron (<i>Egretta caerulea</i>), is considered a Tier II species of concern in the state of Mississippi.			

16. Staff Experience:

Gulf South Research Corporation					
Mark Kudron Hathorn Archaeologist Technician			Years of experience with this firm/employer		3
			Years of experience with other firm(s)/employer(s)		3
Degree(s) / Years / Specialization		Bachelor of Arts / 2017 / Anthropology			
Active registration number / state / expiration date		Registered Archaeologist			
Year registered		2020	Discipline	Registered Archaeologist	
Contract role(s) / brief description of responsibilities			Crew Chief/Field Technician / Mark will provide assistance for environmental tasks on this contract.		
Experience dates (mm/yy–mm/yy)		Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
04/22–Ongoing		Phase 1 Archaeological Survey of 130 Acres for the Cadillac Heights Levee, Dallas County, TX Archaeologist . Mr. Hathorn served as an archaeological field technician for a Phase I cultural resources survey to identify cultural resources that may be impacted by the proposed Cadillac Heights Levee within the Dallas Floodway Extension within the upper Trinity River Watershed, along the Trinity River. Systematic shovel testing and pedestrian surveys were carried out for this project. Mr. Hathorn also conducted and compiled research for the cultural resources survey technical report and co-authored the built environment historic context.			
05/22–Ongoing		LADOTD, Phase 1 Cultural Resources Survey, Caldwell Parish, LA Archaeological Field Technician . Mr. Hathorn served as an archaeological field technician and contributed to the final report of a Phase I cultural resources survey to identify cultural resources that may be impacted by the proposed construction and operation of a new Louisiana Green Fuels Bio-Refinery near the Port of Columbia, Louisiana. The field surveys included systematic shovel testing and pedestrian surveys.			
01/22–05/22		Phase 1 Cultural Resources Survey of 1 Acre for the Ursula Parking Lot Land Purchase in McAllen, Hidalgo County, TX Archaeological Field Technician . Mr. Hathorn served as an archaeological field technician for the cultural resources survey of approximately 1 acre in McAllen, Texas. The survey was conducted on behalf of CBP for the proposed development of a parking lot to accommodate the existing and adjacent McAllen Centralized Processing Center (CPC). A pedestrian walkover utilizing 5-meter intervals and the excavation of 2 shovel test pits were carried out during this survey. No cultural materials were recovered.			
10/20–02/22		LCIW, Phase 1 Archaeological Investigations of 54 Acres for the Louisiana Correctional Institute for Women, Iberville Parish, LA Archaeological Field Technician . Mr. Hathorn was involved in a Phase I cultural resources survey with GSRC. He conducted shovel testing and a pedestrian survey and assisted the field director with data collection and day to day operations. Mr. Hathorn also assisted with artifact analysis, as well as cataloging and photographing recovered artifacts.			

16. Staff Experience:

Gulf South Research Corporation				
John Lindemuth Principal Investigator/Archaeologist		Years of experience with this firm/employer		31
		Years of experience with other firm(s)/employer(s)		2
Degree(s) / Years / Specialization		Master of Arts / 1994 / Anthropology Bachelor of Arts / 1990 / Anthropology		
Active registration number / state / expiration date		N/A		
Year registered		N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Archaeologist / John will provide assistance for environmental tasks on this contract.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
08/18–05/20	Department of Homeland Security, Cultural Resources Survey of 12.01 Linear Miles and 20 Grading and Construction Easements for the Proposed Rio Grande City Road Improvement Project, Starr County, TX Principal Investigator. Mr. Lindemuth served as Principal Investigator for the intensive cultural resources survey of 12.01 linear miles of road construction and improvement corridor totaling 57.4 acres. The survey included a pedestrian walkover and excavation of STPs. The survey identified 14 new archaeological sites, revisited and updated two previously identified archaeological sites, and recorded 12 isolated occurrences. Four of the 16 archaeological sites recorded or updated during the survey were recommended for additional testing to determine their eligibility for the NRHP. Mr. Lindemuth directed crews in the field, co-authored the cultural resources technical report, and integrated the findings in the associated NEPA documentation for the project.			
12/13–12/14	Phase 1 Cultural Resources Survey for the Proposed England Airpark Clearing and Grubbing for Wildlife Hazards Control, Alexandria, LA Principal Investigator. Mr. Lindemuth served as the principal investigator for the cultural resources survey of 53 acres for proposed clearing and grubbing. Two archaeological sites, two standing structures, and two isolated finds were recorded during the surveys. None of the sites, standing structures, or isolated finds were recommended eligible for the NRHP. Mr. Lindemuth wrote the technical report outlining the results of the study and also integrated the results into the EA, which was prepared for the project in compliance with the NEPA.			
06/21–10/22	EA for Hurlburt Field Access Gates Reconstruction, Hurlburt Field, FL Project Archaeologist. Mr. Lindemuth served as project archaeologist and subject matter expert for the preparation of the cultural resources section for an EA to address potential effects from the reconstruction of five access gates and the reconstruction of a commercial vehicle inspection gate at Hurlburt field. Mr. Lindemuth utilized existing data, including the Integrated Cultural Resources Management Plan (ICRMP) to assess the potential impacts to cultural resources from the reconstruction of the gates. Mr. Lindemuth prepared the cultural resources section that assesses the potential effects of the alternatives, which will be integrated into the EA for the project.			

16. Staff Experience:

Gulf South Research Corporation				
Anna Marcum Architectural Historian		Years of experience with this firm/employer		1
		Years of experience with other firm(s)/employer(s)		7
Degree(s) / Years / Specialization		Master of Science / 2018 / Preservation Studies Bachelor of Arts / 2013 / Art History		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		Architectural Historian / Anna will provide assistance for environmental tasks on this contract.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
02/24–02/25	Countywide Historic Preservation Program Management and Community Engagement Initiative, Williamson County, SM Senior Director of Preservation. Ms. Marcum served as Senior Director leading comprehensive historic preservation initiatives for Williamson County, Tennessee. The program included development and execution of the Preserve Williamson Campaign featuring community town halls, media outreach, and educational programming reaching over 5,000 county residents. Ms. Marcum established the county's first historic preservation easement program, securing legal protection for key landmarks and historic properties. She managed consultant teams producing countywide architectural surveys documenting over 200 historic structures, curatorial programs, and preservation planning reports. Ms. Marcum coordinated with the National Trust for Historic Preservation, Tennessee State Historic Preservation Office, and local regulatory agencies to align preservation initiatives with state and federal standards.			
04/23–02/24	Upper East Side Historic Districts Advocacy and Preservation Program, New York City, NY Executive Director. Ms. Marcum served as Executive Director managing preservation advocacy for Manhattan's Upper East Side historic districts encompassing over 1,000 contributing structures. The program included review and advocacy for landmark and land use policies, coordination with New York City Landmarks Preservation Commission, and community engagement initiatives reaching local stakeholders and property owners. Ms. Marcum directed fundraising campaigns including grant writing, membership development, and annual benefit events generating \$200,000+ in preservation funding. She coordinated educational programming including walking tours documenting architectural significance, research symposia, and preservation award ceremonies while managing organizational operations and staff coordination.			

16. Staff Experience:

Gulf South Research Corporation				
Howard Nass Senior Biologist / NEPA		Years of experience with this firm/employer		25
		Years of experience with other firm(s)/employer(s)		11
Degree(s) / Years / Specialization		Bachelor of Science / 1990 / Forest and Wildlife Management		
Active registration number / state / expiration date		N/A		
Year registered		N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Senior Biologist/Wetlands/NEPA / Howard will provide assistance for environmental tasks on this contract.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
01/24–Ongoing	Strategic Biofuels LLC, EA for Louisiana Green Fuels Bio-Refinery Project, Caldwell, LA Project Manager. GSRC is currently contracted by Strategic Biofuels, LLC. (Strategic) to prepare an EA analyzing the potential effects on the natural and human environment resulting from the construction, operation, and maintenance of a renewable fuels bio-refinery in Caldwell Parish, Louisiana. Strategic is proposing to construct, operate, and maintain the Louisiana Green Fuels (LGF) refinery, a renewable fuels bio-refinery with an ultra-low carbon footprint in northeast Louisiana powered by onsite-generated “green” power that would use forestry residue as a feedstock and include Carbon Capture and Sequestration of the carbon dioxide produced from all processes. The project would also include two approximately 1-mile pipelines, two CO ₂ injection wells located offsite, and an approximately 1-mile natural gas pipeline. The majority of the project area is agricultural land used for crop production. Mr. Nass is responsible for the preparation of the EA; oversight of associated studies (wetlands, cultural resources, and biological resources); schedule; budget; and agency, tribal, and public coordination.			
09/20–02/24	EA for Facility Enhancements and Land Use Modification Projects at Columbus Air Force Base, Columbus, MS Senior Reviewer. Mr. Nass served as the Senior Reviewer for the EA to address the potential effects, beneficial and adverse, resulting from the proposed construction, demolition, and land use modifications of multiple planned actions at CAFB, Mississippi. The 14th Civil Engineer Squadron (CES)/Civil Engineering Environmental Installation (CEIE) plans the replacement and construction of the Physical Fitness Center, replacement and construction of the Water Storage Tank, and the permanent fill in of the Strategic Air Command (SAC) Lake. The Region of Influence of the Proposed Action is the land area within the boundaries of the CAFB. In support of the permanent fill in of the SAC Lake, GSRC staff biologists conducted a biological resources survey of flora and fauna species in the vicinity of the proposed project. CAFB is also planning for the acquisition of 118.2 acres of land abutting the East/South-East property line of CAFB from a private individual to the United States Air Force.			

16. Staff Experience:

Gulf South Research Corporation			
Beau Rapier Wetland Biologist		Years of experience with this firm/employer	
		8	
		Years of experience with other firm(s)/employer(s)	
		2	
Degree(s) / Years / Specialization		Master of Science / 2018 / Biology Bachelor of Arts / 2016 / Forest Wildlife Management and Habitat Conservation	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Wetland Biologist/Threatened and Endangered Species / Beau will provide assistance for environmental tasks on this contract.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
10/24–Ongoing	CPRA, Plaquemines Wetland Desktop Survey, Plaquemine, LA Project Manager. GSRC is under contract with Principal Engineering on behalf of the Coastal Protection Restoration Authority to perform a desktop wetland delineation for eight separate project areas. Mr. Rapier will collect data from USFWS, USDA, and FEMA, create and digitize polygons to delineate the perceived jurisdictional wetland/upland boundary, submit findings reports and budgets, and coordinate with multiple teams and stakeholders.		
10/23–Ongoing	Central Wetland Delineation, Statewide, LA Wetland Biologist. GSRC is under contract with Forte and Tablada to perform a wetland delineation on an approximately 50-acre parcel of land and 17 separate ditch segments. Mr. Rapier conducted the delineations, prepared the wetland findings report, and submitted findings to the USACE. GSRC has received the Preliminary Jurisdictional Determination, and is assisting the client in determining the next steps to take in the permitting process.		
04/20–11/23	NAFVAC SE, Gopher Tortoise Population Surveys, Mayport, FL Project Manager. GSRC was contracted by NAFVAC SE to conduct gopher tortoise burrow surveys. Field surveys were conducted in two phases. During the first phase, Mr. Rapier walked parallel transects through suitable gopher tortoise habitat and recorded transects using a Trimble GPS unit. Each burrow observed was photographed, recorded with the GPS unit, and temporarily marked with flagging. Each burrow was then classified by size and noted as active, inactive, or abandoned. During the second phase, Mr. Rapier used a specially designed gopher tortoise burrow camera to verify the presence or absence of gopher tortoise in all burrows over 3 inches in diameter. Mr. Rapier also documented vegetation characteristics at each gopher tortoise survey site and if other animals were utilizing the gopher tortoise burrows. Mr. Rapier handled the preparation and execution of all project deliverables, including data analysis and technical reports.		

16. Staff Experience:

Gulf South Research Corporation			
Bretton Somers, Ph.D. Principal Investigator / Archaeologist		Years of experience with this firm/employer	
		17	
		Years of experience with other firm(s)/employer(s)	
		2	
Degree(s) / Years / Specialization		Ph.D. / 2007 / Geography Master of Arts / 2004 / Geography Bachelor of Arts / 1994 / Communications	
Active registration number / state / expiration date		RPA / 2022	
Year registered		2005	Discipline
			Registered Professional Archaeologist
Contract role(s) / brief description of responsibilities		Archaeologist / Bretton will provide assistance for environmental tasks on this contract.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
03/20–05/20	Phase 1 Archaeological Investigation of the St. Rose to Norco Pipeline, St. Charles Parish, LA Project Manager. Dr. Somers served as project manager and principal investigator for the intensive Phase I cultural resources survey of 7.4 miles (75.14 acres) of proposed new pipeline from the International Matex Tank Terminal (IMTT) in St. Rose to portions of Shell’s Norco Manufacturing Complex facility in Norco in St. Charles Parish, Louisiana. GSRC conducted the investigation on behalf of Ramboll US Corporation (Ramboll) under Section 106 of the NHPA. The investigation included an intensive Phase I archaeological survey combining pedestrian surface inspection with STPs excavated along transects using a high probability predictive model. No archaeological sites were recorded during this investigation. No aboveground/built resources over 50 years of age were recorded within or adjacent to the survey area. As a result, no further archaeological investigations were recommended for the project area.		
02/13–12/13	Cambridge Energy, Floating Liquefied Natural Gas (FLNG) Facility, Plaquemines Parish, LA Principal Investigator. Cambridge Energy, LLC is proposing the construction and operation of a FLNG facility on the Mississippi River in Plaquemines Parish, Louisiana. Cambridge Energy contracted GSRC for the preparation of resource reports with sufficient information and analysis for the preparation of an EIS. The selected area of potential effect (APE) includes dredging from the navigation channel of the Mississippi River into the batture and natural levee on the east bank of the river across from Venice, Louisiana. A portion of the facility extends eastward into the coastal marsh. The cultural resources portion of the investigation involved a terrestrial survey of the high ground portions of the APE, a fan boat inspection of the marsh portion of the APE, and a marine remote sensing survey of the proposed area of dredge activity in the Mississippi River channel. Dr. Somers was responsible for coordination with the Louisiana SHPO, background research, assessing required research needs given the fluvial, terrestrial, and marsh landscape, conducting the terrestrial and marsh fieldwork, coordinating with a team of marine archaeologists to perform the marine remote sensing survey, and synthesizing all data collected into the required reports for the project. No cultural resources were discovered in the initial field surveys of the APE.		

16. Staff Experience:

Gulf South Research Corporation				
KayLee Blum Archaeology Field Technician			Years of experience with this firm/employer	1
			Years of experience with other firm(s)/employer(s)	6
Degree(s) / Years / Specialization	Master of Science / 2021 / Anthropology/Bioarcheology Bachelor of Science / 2019 / Archaeology/Anthropology			
Active registration number / state / expiration date	RPA / 2026			
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		Archaeologist / KayLee will provide assistance for environmental tasks on this contract.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
06/18–07/19	Phase 1a Archaeological Records Check and Field Reconnaissance: Bridge Replacement Carrying SR 252 over West Fork Crooked Creek 1.14 mi West of SR 135, Morgan County, IN Archaeologist. Ms. Blum served as Archaeologist and field technician for a cultural resources survey for a proposed bridge replacement on SR 252 over the West Fork of Crooked Creek, Morgan County, Indiana. The improvement project included the construction of a new bridge to restore structural integrity and hydraulic efficiency. The study consisted of an archival and records check of previously conducted investigations and previously recorded resources within 1-mile radius of the small structure. This existing information was used to assess the potential for intact resources being located within the construction footprint and to assess potential impacts to cultural resources from the construction of the project. The study surveyed 0.9 acres via shovel testing in 15 m intervals. No archaeological sites were documented as a result of the survey, and no further work was recommended.			
06/19–08/19	Archaeological Records Check and Phase 1A Field Reconnaissance Report: Small Structure Replacement on State Road 252 over Branch of Big Cedar 6.19 mi East of US 52. Franklin County, IN Archaeologist. Cambridge Energy, Floating Liquefied Natural Gas (FLNG) Facility, Plaquemines Parish, LA Principal Investigator. Ms. Blum served as Archaeologist and field technician for a cultural resources survey for a proposed small structure replacement on SR 252 over a branch of Big Cedar Creek, Franklin County, Indiana. The improvement project included the construction of a new culvert over a branch of the Big Cedar Creek to restore structural integrity and hydraulic efficiency. The study consisted of an archival and records check of previously conducted investigations and previously recorded resources within 1-mile radius of the small structure. This existing information was used to assess the potential for intact resources being located within the construction footprint and to assess potential impacts to cultural resources from the construction of the project. The study surveyed 0.76 acres via shovel testing in 15 m intervals. One new archaeological site, 12FR547, was documented as a result of the survey. The site consists of a historic scatter found eroding from the creek and in shovel tests in an open, grassy lawn. Due to a lack of intact deposits and inability to produce significant information beyond what was gathered, it is ineligible for listing in the NRHP.			

16. Staff Experience:

KTA-Tator, Inc.			
 Rob Lanterman Senior Coating Consultant	Years of experience with this firm/employer		24
	Years of experience with other firm(s)/employer(s)		6
Degree(s) / Years / Specialization	Bachelor of Engineering / 1999 / Chemical Engineering		
Active registration number / state / expiration date	AMPP Senior Certified Coatings Inspector (#13505; expiration 5/23/2028) AMPP Certified Protective Coatings Specialist (#2015-820-136; expiration 12/31/2027)		
Year registered	N/A	Discipline	Chemical Engineering
Contract role(s) / brief description of responsibilities		Senior Coatings Consultant / Rob will assist KTA-Tator's team on this contract.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
06/25–Ongoing	Pennsylvania Department of Transportation, Harrisburg, PA Senior Coating Consultant. Rob is providing sampling services and is supervising laboratory heavy metals testing services for the rehabilitation of the coating system on the Fort Duquesne Bridge in Pittsburgh, PA. KTA is a subconsultant to another engineering firm.		
03/24–04/24	Louisiana Department of Transportation and Development, Baton Rouge, LA Senior Coating Consultant. Rob performed document review and coating condition assessment services for the US 190 Krotz Springs Bridges (eastbound and westbound) in St. Landry Parish. He prepared a report detailing the findings of the assessment and providing recommendations for the maintenance of the coating system on this bridge. KTA was a subconsultant to another engineering firm.		
03/22–03/22	South East Philadelphia Transportation Authority (SEPTA), Philadelphia, PA Senior Coating Consultant. Rob evaluated the existing coating condition (visual examination, coating thickness and adhesion measurements, substrate examination, and coating sample procurement) on the eastern end of the Market Street Frankford Elevated Viaduct and provided recommendations on appropriate maintenance strategies, opinions of probable construction cost, and modification of the existing SEPTA surface preparation and coating application specifications for use in bidding the work to prospective contractors. KTA was a subconsultant to another engineering firm.		
09/21–12/21	Louisiana Department of Transportation and Development, Baton Rouge, LA Senior Coating Consultant. Rob performed a coating condition assessment and assisted with the development of surface preparation, coating application, and environmental/worker protection and containment specifications/drawing notes for the rehabilitation of the IWGO Bridge in Baton Rouge. KTA was a subconsultant to another engineering firm.		

16. Staff Experience:

KTA-Tator, Inc.			
 Jayson Helsel, P.E. Senior Coating Consultant	Years of experience with this firm/employer		27
	Years of experience with other firm(s)/employer(s)		10
Degree(s) / Years / Specialization		Master of Science / Chemical Engineering, University of Michigan Bachelor of Science / Applied Sciences with High Honors, US Coast Guard Academy	
Active registration number / state / expiration date		P.E. 0030090 / LA / Exp. 09/30/2026	
Year registered	2002	Discipline	P.E. / Chemical
Contract role(s) / brief description of responsibilities		Senior Coatings Consultant / Jayson will assist KTA-Tator's team on this contract.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
03/26–Ongoing	As a subconsultant to HNTB Corporation (HNTB) KTA has completed a corrosion assessment of the St Francisville Bridge over the Mississippi River located in St. Francisville, Louisiana. The purpose of this assessment was to determine the condition of the exposed weathering steel members and the condition of the existing coatings on the painted portions of the structure in order to develop a maintenance painting strategy. As part of the preliminary design services, Mr. Helsel provided a coating condition assessment (visual, coating thickness, adhesion) sampling, laboratory testing (infrared spectroscopy and lead, cadmium, and chromium testing), chloride testing/remediation, provided maintenance painting recommendations for this project, and provided an opinion of probable construction costs.		
04/25–11/25	The Dulac Bayou Bridge in Dulac, Louisiana carries LA0057 and two lanes of traffic plus two sidewalks for pedestrians over the Dulac Bayou. The total bridge length is 460 feet with a swing span length of 135 feet, including an open grid deck design. The bridge was constructed in 1971, and most of the structure reportedly still has the original coating system. As a subconsultant to TRC Engineers, as part of the preliminary design services, Mr. Helsel provided a coating condition assessment (visual, coating thickness, adhesion) sampling, laboratory testing (infrared spectroscopy and lead, cadmium, and chromium testing), chloride testing/remediation, provided maintenance painting recommendations for this project, and provided an opinion of probable construction costs.		
09/18–09/24	In 2018, as a subconsultant to TY Lin/Louis Berger, KTA began providing coatings-related services on this project. These services included: reviewing existing documents; conducting a coating condition assessment; evaluating coating rehabilitation options and coating systems; developing an opinion of probable costs of construction; developing/modifying technical special provisions for painting, containment and environmental, worker protection and waste disposal; providing coatings-related construction support services; and attending project meetings as directed. Mr. Helsel provided coatings engineering/consulting services for KTA on this contract.		

16. Staff Experience:

KTA-Tator, Inc.			
 James Kretzler ASNT Level III	Years of experience with this firm/employer		15
	Years of experience with other firm(s)/employer(s)		14
Degree(s) / Years / Specialization	N/A		
Active registration number / state / expiration date	ASNT Level III MT, PT, RT, UT (#186946, expiration 10/31/2030) AWS Certified Welding Inspector (#07020431, expiration 2/1/2028) AAMP Basic Coatings Inspector (#54804, expiration 09/30/2026)		
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		ASNT Level III / James will assist KTA-Tator's team on this contract.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
07/15–Ongoing	Various Fabrication Projects for Clients in the Transportation Industry Department Manager. NDE Department Manager managing the NDE Department of the KTA Steel, Concrete, and NDE Group. He has financial and operational responsibilities along with business development, hiring, and training for non-destructive examination services. He is providing Level III services internally for KTA and externally for clients that includes writing and reviewing NDE procedures and certifying NDE technicians. He is also providing NDE training services for Level II Magnetic particle, Level II Dye Penetrant inspection as well as Ultrasonic Level I and Level II classes covering UT thickness, straight beam, and angle beam inspections.		
10/21–12/21	Various Bridges throughout North Dakota – North Dakota DOT Project Manager. Project Manager for Phased Array Ultrasonic Testing (PAUT) on various bridges throughout the state. KTA was a subconsultant to another engineering firm.		
03/16–05/16	LADOTD, I-10 Calcasieu Bridge, Baton Rouge, LA ND Supervisor. NDE Supervisor for the UT inspection of the bridge pins on this structure. Mr. Kretzler reviewed the inspection data and issued an opinion regarding the condition of the pins. KTA was a subconsultant to another engineering firm.		
06/15–12/19	NYDOT, Steel Fabrication Inspection Contract Statewide Project Manager. Project Manager for the CWI/NDT inspection and coating inspection services during the fabrication of bridge girders at various shop locations. KTA also provided material sampling services for flat bar and rebar, and verified welding tests in accordance with NYSDOT standards. KTA was the prime consultant for this contract.		

17. Firm Experience:

Gresham Smith		Past Performance Evaluation Discipline(s)*		Bridge	
LADOTD, Complex Bridge Inspections IDIQ				Firm responsibility (prime or sub?)	Prime
Project number	4400013322	Owner's name	Louisiana Department of Transportation and Development		
Project location	Statewide, Louisiana		Owner's Project Manager	Haylye Brown, P.E.	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA / 225.379.1205 / haylye.brown@la.gov				
Services commenced by this firm (mm/yy)		11/19	Total consultant contract cost (\$1,000's)		\$5,767
Services completed by this firm (mm/yy)		01/24	Cost of consultant services provided by this firm (\$1,000's)		\$2,958

Complex Bridges: Task Order 1 included three major structures: Red River Lift Bridge in Alexandria, LA 1 Truss over Atchafalaya River and LA 8 Concrete Segmental Bridge in Boyce. In 2022, Gresham Smith led the in-depth inspection of the I-20 Mississippi River Bridge in Vicksburg. Drone inspections was utilized to supplement the hands-on inspections.

Emergency Repairs: In April 2020, a train derailment impacted the US 71 Bridge over KCS Railroad in downtown Shreveport, causing the emergency closure of the bridge. LADOTD assigned Gresham Smith under TO #2 to prepare design plans to replace bent three and to install a concrete crash wall for future protection. Gresham Smith performed an emergency inspection of the bridge to perform measurements and evaluate potential repairs. Repairs included the installation of helical piles to resist the railroad crash loads on the foundations and utilization of rolled shapes to expedite steel fabrication.

Movable Bridges: Gresham Smith served as the lead for the in-depth inspection of 10 movable bridges, including Mechanical, Electrical, and Structural tasks. The structural tasks included rope access, manlifts and UBI equipment dependent of span details. Mechanical/Electrical inspections included full testing and assessments. Movable bridges included: Bridge 006210 Loreauville Vertical lift bridge, Bridge 054360 Gross Tete Steel Swing Bridge in Iberville Parish and Bridge 054472 Indian Village Steel Swing Bridge in Iberville Parish.

On-System/Off-System Re-Inspections: Gresham Smith was selected to re-inspect multiple bridges in District 62 to establish proper base inspection reports that can be utilized for future in-house District inspectors to ensure consistency and thoroughness. To date, Gresham Smith has inspected more than 35 bridges including timber trestles, concrete slab, railcar bridges, and concrete girder spans.

Nature of firm's responsibility: Prime Consultant; Overall responsibility for entire contract.

Firm members involved include: Bert Moore, Rebecca Murray, Courtney Rome, Jackson Hartley, Braden Wells, Ryan Horn and Timothy Dow

17. Firm Experience:

Gresham Smith		Past Performance Evaluation Discipline(s)*		Bridge	
LADOTD, Movable Bridge Contract				Firm responsibility (prime or sub?)	Sub
Project number	4400021514	Owner's name	Louisiana Department of Transportation and Development		
Project location	Statewide, Louisiana		Owner's Project Manager	Fallon Farber, P.E.	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802 / 225.379.1986 / fallon.farber@la.gov				
Services commenced by this firm (mm/yy)		06/25	Total consultant contract cost (\$1,000's)		Unknown
Services completed by this firm (mm/yy)		03/26	Cost of consultant services provided by this firm (\$1,000's)		\$334

Gresham Smith was subcontracted as the lead structural engineer of record for project H.012003 – Bayou Tigre 010130. Our scope of structural services included an in-depth inspection and comprehensive load rating modeling and analysis of the movable truss swing span and its approaches. Deliverables compromised a detailed structural inspection report, a load rating report, and a Scope of Work proposal with all recommended repairs and cost estimates identifying priority levels with alternative repairs and cost estimates as well.

Gresham Smith was subcontracted as the lead structural engineer of record for Project H.012003 – Bayou Tigre 010130, demonstrating our expertise in complex movable bridge structures. Our structural services scope included conducting a thorough and detailed inspection of the movable truss swing span and its approach spans, which are critical components for safe and reliable operation. Utilizing advanced load rating modeling and analysis techniques, we assessed the current load-carrying capacity under various load conditions to ensure compliance with applicable safety standards and design codes.

Our deliverables encompassed a comprehensive structural inspection report documenting observed conditions and potential deficiencies, along with a detailed load rating report that quantified the bridge's performance and capacity. Additionally, we developed a Scope of Work proposal that outlined all recommended repair strategies, including both prioritized repair actions and alternative solutions. Each recommendation was supported by cost estimates and categorized by priority level, enabling the client to make informed, cost-effective decisions regarding maintenance and rehabilitation.

Through our methodical approach and technical rigor, Gresham Smith provided critical insights and actionable recommendations that will enhance the longevity and operational safety of the Bayou Tigre movable bridge facility.

Nature of firm's responsibility: Sub Consultant

Firm members involved include: Bert Moore, Courtney Rome, Fadi Alsharif and Jackson Hartley



Gresham Smith

17. Firm Experience:

Gresham Smith		Past Performance Evaluation Discipline(s)*		Bridge						
Bridge Maintenance & Repair On-Call Statewide				Firm responsibility (prime or sub?)		Prime				
Project number		N/A		Owner's name		Tennessee Department of Transportation				
Project location		Statewide, TN			Owner's Project Manager		Ted Kniazewycz, P.E., F.ASCE			
Owner's address, phone, email		505 Deaderick Street, Suite 1200 Nashville, TN 37243 / 615.741.3351 / ted.kniazewycz@tn.gov								
Services commenced by this firm (mm/yy)			10/10		Total consultant contract cost (\$1,000's)			\$7,406		
Services completed by this firm (mm/yy)			Ongoing		Cost of consultant services provided by this firm (\$1,000's)			\$7,009		

Gresham Smith has performed bridge maintenance inspections, load ratings, structural analysis and design, and construction plans for bridge repairs, rehabilitations, widenings and replacements on hundreds of structures across the state of Tennessee over the last twelve years. Task order assignments have included both pedestrian and vehicular bridges using steel, prestressed concrete, reinforced concrete and timber materials. Structure types include trusses, steel box beams and I-girders, cast-in-place concrete and precast concrete bridges. Work completed includes expansion joint repairs, bridge railing repairs and upgrades, full and partial depth deck repairs, deck overlays, bearing replacements, beam impact damage repairs, steel fatigue, section loss, and painting repairs, concrete spall repairs, fire damage repairs, beam prestressing stand repairs, miscellaneous general bridge repairs, bridge widenings, safety improvements, superstructure replacements and underwater bridge inspections for scour and other deficiencies.

A few examples of the various types of assigned projects currently under development or already completed include:

- SR 13 over Trace Creek/SR1/CSX RR in Humphreys County (Complete Replacement)
- Load Ratings and reports for over 200 routine and complex bridges across Tennessee
- I-65 over CSX RR and Rivergate Pkwy in Davidson County (expansion joint repair)
- I-65 over SR 76 in Robertson County (repair truck impact damage to railing and box superstructure, install inspection ports)
- Underwater Bridge Inspections and reports for over 35 structures across Tennessee

Nature of firm's responsibility: Prime Consultant; Overall responsibility for entire contract.

Firm members involved include: Braden Wells, Jackson Hartley, Courtney Rome, Tim Dow, Houston Neal, Tom Tran, Yun Lin



17. Firm Experience:

Gresham Smith		Past Performance Evaluation Discipline(s)*		Bridge	
Bridge Maintenance Engineering Services On-Call Contract				Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	Georgia Department of Transportation		
Project location	Statewide, GA		Owner's Project Manager	Robbie Koirala	
Owner's address, phone, email	600 West Peachtree St, Atlanta, GA 30308 / 678.808.8842 / rkoirala@dot.ga.gov				
Services commenced by this firm (mm/yy)		01/20	Total consultant contract cost (\$1,000's)		\$8,000
Services completed by this firm (mm/yy)		Ongoing	Cost of consultant services provided by this firm (\$1,000's)		\$8,000

GDOT contracted with Gresham Smith to provide On-Call Bridge Maintenance Engineering Services Statewide. This contract primary involves developing repair plans for bridge maintenance and bridge repair projects. Gresham Smith is task with inspection of the bridge to verify and identified areas of repair needed, design and produce specifications and repair plans for bid. Project typically involves roadway, and environmental support and may require other disciplines such as survey and geotechnical support.

Other tasks includes:

- Working to update GDOT's Bridge Asset Management Program (TAMP, BrM, Inspect X, TAPE)
- Help complete GDOT Tunnel Inspection Policy and Procedures Manual.
- Help rewrite QA/QC policy for Bridge Inspection.
- Provide embedded employees at GDOT to:
- Inspect bridges and produce repair plans
- Provide quality control on repair plans
- Train GDOT staff

Nature of firm's responsibility: Prime Consultant; Overall responsibility for entire contract.

Firm members involved include: Braden Wells, Tom Tran, Courtney Rome, Jackson Hartley, Tim Dow, Morgan Edmondson, Yun Lin



17. Firm Experience:

Gresham Smith		Past Performance Evaluation Discipline(s)*		Bridge			
Broadway Viaduct Replacement				Firm responsibility (prime or sub?)		Prime	
Project number	N/A	Owner's name	Tennessee Department of Transportation				
Project location	Nashville, TN		Owner's Project Manager		Brian Egan		
Owner's address, phone, email	505 Deaderick Street, Suite 1200 Nashville, TN 37243 / 615.741.2848 / brian.egan@tn.gov						
Services commenced by this firm (mm/yy)		06/21	Total consultant contract cost (\$1,000's)			\$2,800	
Services completed by this firm (mm/yy)		04/24	Cost of consultant services provided by this firm (\$1,000's)			\$2,800	

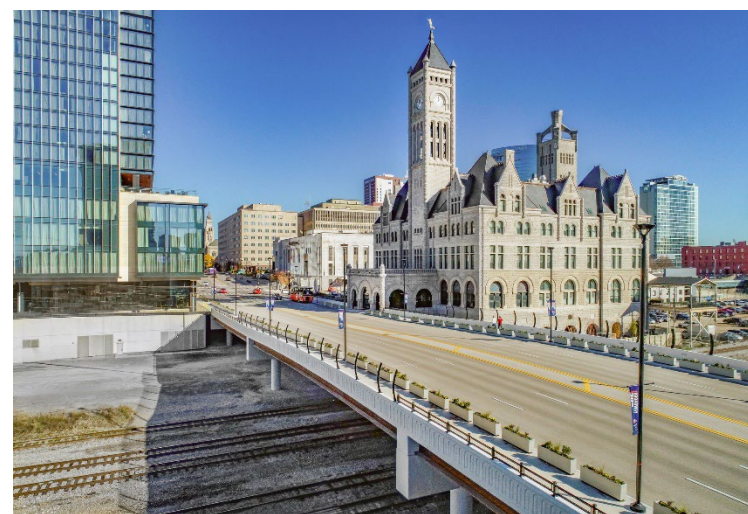
Gresham Smith was selected to design and replace the aging Broadway Viaduct over CSX RR yard and 11th Avenue in Nashville, Tennessee. This was an alternate delivery project using the Construction Manager/General Contractor (CM/GC) delivery method. Additionally, the project team implemented Accelerated Bridge Construction (ABC) techniques to minimize vehicular and pedestrian traffic impacts and socio-economic impacts to local businesses and the tourism industry. The use of ABC methods replaced the bridge in about 12 months instead of multiple years of traditional phased construction with only 8 weeks of full roadway closure.

Our bridge and roadway teams worked very closely with TDOT and CSX railroad to improve clearances over the RR while tying into the current roadway grades at the ends of the existing bridge to minimize ROW acquisition and impacts to adjacent businesses and developments in all four quadrants of the bridge including the Union Station Hotel which is listed on the National Registry of Historic Places. Other significant involvement on this project included significant utility coordination and deconfliction efforts as well as Railroad coordination.

Only an 8-week maximum closure of Broadway was allowed, so close collaboration with TDOT and the CM/GC was used to develop the ABC method to successfully accomplish this. The closure was completed in early 2023 with the bridge completion the end of May 2023.

Nature of firm's responsibility: Prime Consultant; Overall responsibility for entire contract.

Firm members involved include: Adam Davidson, Donald McCrary, Braden Wells, Courtney Rome, Yun Lin



Project Highlights

- Urban bridge construction over multiple rail lines.
- Horizontal and vertical control restrictions
- Business and building access from existing and new bridge.
- Low overhead installation of deep foundations prior to bridge demolition.
- Traffic Signal Design

17. Firm Experience:

Modjeski and Masters, Inc.		Past Performance Evaluation Discipline(s)*		Bridge, Road, Traffic, Survey, Geotech			
IDIQ Contract for Bridge Preservation Services				Firm responsibility (prime or sub?)		Prime	
Project number		44-24187		Owner's name		Louisiana Department of Transportation and Development	
Project location		Statewide, LA		Owner's Project Manager		Brian Allen, P.E.	
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)			10/22		Total consultant contract cost (\$1,000's)		\$12,250
Services completed by this firm (mm/yy)			Ongoing		Cost of consultant services provided by this firm (\$1,000's)		\$2,170

As the Prime Consultant, Modjeski and Masters assembled a highly qualified, multi-disciplinary team to perform and execute **twenty (20) task orders for the LADOTD under a five-year IDIQ Bridge Preservation Contract**. M&M was responsible for engineering and related services and the management of subconsultants contracted to provide support as part of the M&M team. All task orders were completed on schedule and within budget. M&M provided bridge engineering services for fixed and movable bridges which included **new bridges, bridge replacements, bridge rehabilitation, bridge preventive maintenance and repair**, and roadway lighting. Movable bridge engineering services included structural, mechanical, electrical, and architectural feasibility, design and plan development, and construction related engineering services.

Project Similarities

- DOTD Project
- IDIQ Contract
- Bridge Maintenance, Repair, or Preservation
- Construction Support
- Traffic Engineering
- Geotechnical Engineering
- Environmental Services
- Stakeholder Coordination

Team Members on this Project: Geoffrey Forest
| Jeff Newman | Jonathan Gerhart | David Kanger



Gresham Smith



17. Firm Experience:

Modjeski and Masters, Inc.		Past Performance Evaluation Discipline(s)*		Bridge, Road, Traffic, Survey, Geotech		
IDIQ Contract for Bridge Preservation Services				Firm responsibility (prime or sub?)		Prime
Project number	44-17263	Owner's name	Louisiana Department of Transportation and Development			
Project location	Statewide, LA		Owner's Project Manager		Mark Bucci, P.E.	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802 / 225.379.1076 / mark.bucci@la.gov					
Services commenced by this firm (mm/yy)		04/20	Total consultant contract cost (\$1,000's)			\$5,800
Services completed by this firm (mm/yy)		04/25	Cost of consultant services provided by this firm (\$1,000's)			\$5,254

As the Prime Consultant, Modjeski and Masters assembled a highly qualified, multi-disciplinary team to perform and execute thirty-three (33) task orders for the LADOTD under a five-year IDIQ Bridge Preservation Contract. M&M was responsible for engineering and related services and the management of subconsultants contracted to provide support as part of the M&M team. All task orders were completed on schedule and within budget. M&M provided bridge engineering services for fixed and movable bridges which included new bridges, bridge replacements, bridge rehabilitation, bridge preventive maintenance and repair, and roadway lighting. Movable bridge engineering services included structural, mechanical, electrical, and architectural feasibility, design and plan development, and CRES.

**Project Similarities**

- DOTD Project
- IDIQ Contract
- Bridge Maintenance, Repair, or Preservation
- Construction Support
- Traffic Engineering
- Geotechnical Engineering
- Environmental Services
- Stakeholder Coordination

Team Members on this Project: Geoffrey Forest
| Jeff Newman | Jonathan Gerhart | David Kanger

17. Firm Experience:

Modjeski and Masters, Inc.		Past Performance Evaluation Discipline(s)*		Bridge, Road, Traffic, Survey, Geotech		
IDIQ Contract for Bridge Preservation Services				Firm responsibility (prime or sub?)		Prime
Project number	44-12382	Owner's name	Louisiana Department of Transportation and Development			
Project location	Statewide, LA		Owner's Project Manager		Mark Bucci, P.E.	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802 / 225.379.1076 / mark.bucci@la.gov					
Services commenced by this firm (mm/yy)		04/18	Total consultant contract cost (\$1,000's)			\$4,100
Services completed by this firm (mm/yy)		04/23	Cost of consultant services provided by this firm (\$1,000's)			\$3,657

As the Prime Consultant, Modjeski and Masters assembled a highly qualified, multi-disciplinary team to perform and execute **twenty-eight (28) task orders for the LADOTD under a five-year IDIQ Bridge Preservation Contract**. M&M was responsible for engineering and related services and the management of subconsultants contracted to provide support as part of the M&M team. All task orders were completed on schedule and within budget. M&M provided bridge engineering services for fixed and movable bridges which included **new bridges, bridge replacements, bridge rehabilitation, bridge preventive maintenance and repair**, and roadway lighting. Movable bridge engineering services included structural, mechanical, electrical, and architectural feasibility, design and plan development, and CRES.

**Project Similarities**

- DOTD Project
- IDIQ Contract
- Bridge Maintenance, Repair, or Preservation
- Construction Support
- Traffic Engineering
- Geotechnical Engineering
- Environmental Services
- Stakeholder Coordination

Team Members on this Project: Geoffrey Forest
| Jeff Newman | Jonathan Gerhart | David Kanger

17. Firm Experience:

Moffatt & Nichol Inc.		Past Performance Evaluation Discipline(s)*		Bridge	
LADOTD, Complex Bridge Inspections				Firm responsibility (prime or sub?)	Sub
Project number	H.009730.5, Task Order 3	Owner's name	Louisiana Department of Transportation and Development		
Project location	Statewide, LA		Owner's Project Manager	Stephanie Dolittle, P.E.	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802 / 225.379.1329 / stephanie.dolittle@la.gov				
Services commenced by this firm (mm/yy)		02/23	Total consultant contract cost (\$1,000's)		\$470
Services completed by this firm (mm/yy)		12/24	Cost of consultant services provided by this firm (\$1,000's)		\$260

M&N was part of a team responsible for performing bridge inspection of complex structures statewide, utilizing an IDIQ contract. Structure types include cantilever trusses, cable-stayed bridges, steel vertical lift bridges, and plate girder bascule bridges. Tasks include providing bridge inspections, SPRAT/rope access, underwater inspections, bridge ratings, categorization and documentation of bridge assets, and the development of the LADOTD BIM and the Coding & Field Guide. All statewide inspections of in-service bridges throughout Louisiana are performed in accordance with FHWA guidelines. Representative tasks include the following. The comprehensive in-depth reports included a detailed summary of the rope access inspection methodology, inspection findings of current conditions and noted deficiencies, field notes, and photographs.

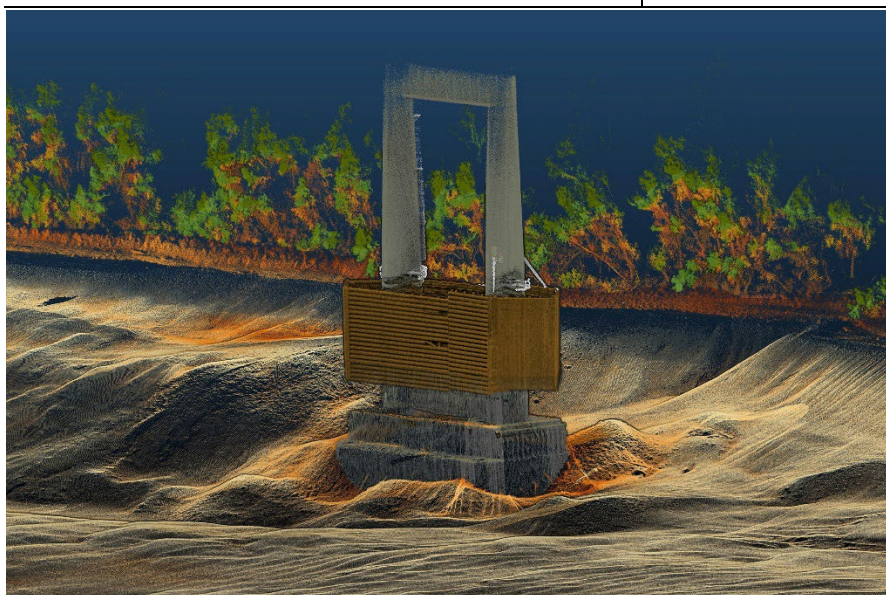
M&N developed major updates to the manual, including off-system directives, to support the creation of a new Bridge Load Rating Manual and a new Coding & Field Guide. A team of subject matter experts contributed to the development and reviews at periodic milestones. M&N collaborated with the LADOTD staff throughout the development to manage expectations and maintain direction. In-person progress meetings occurred monthly, which included facilitating various District Bridge Engineers throughout the state. The manual is compliant with the NBIP (23 metrics and the three new metrics). The manual is thoughtfully organized systematically and interactively, with an appendix to store all vital updated forms for the Bridge Inspection Program. The Load Rating Manual will be the final development task and complement the other documents in content and format. The Coding & Field Guide is uniquely designed for a seamless navigation experience. Following delivery, acceptance, and publishing, a training module will be designed and delivered to all LADOTD District personnel. M&N has been retained for five years to provide annual updates as needed.

Key Team Members: Chace Hulon, Bryan Tyson, Chip Eschenbach, Jeffrey Gazarek



17. Firm Experience:

Moffatt & Nichol Inc.		Past Performance Evaluation Discipline(s)*		Bridge					
LADOTD, Underwater Bridge Inspections				Firm responsibility (prime or sub?)		Prime			
Project number		H.009730.5, Task Order 2		Owner's name		Louisiana Department of Transportation and Development			
Project location		Statewide, LA			Owner's Project Manager		Stephanie Dolittle, P.E.		
Owner's address, phone, email		1201 Capitol Access Road, Baton Rouge, LA 70802 / 225.379.1329 / stephanie.dolittle@la.gov							
Services commenced by this firm (mm/yy)			06/22		Total consultant contract cost (\$1,000's)			\$2,402	
Services completed by this firm (mm/yy)			08/25		Cost of consultant services provided by this firm (\$1,000's)			\$1,419	



As part of a five-year retainer contract, M&N has been tasked with performing underwater bridge inspections for over 500 bridges throughout the state of Louisiana through Task Order 2 and over 800 bridges across all three task orders on this contract. The bridges consist of small to mid-sized waterways along with nine bridges passing through large swamps and bayous that vary between 3 and 14 miles long, 15 culverts, and four bridges crossing over large waterways (the Mississippi River, Prien Lake, and Whiskey Bay Channel). Many of the bridges crossed over waterways inhabited by alligators, which posed a potential hazard to the inspectors. To mitigate the probability of an incident, M&N implemented a Louisiana Department of Wildlife and Fisheries-approved nuisance alligator trapper during inspections at specific locations. M&N has safely performed Level I, II, and III underwater dive inspections and emergency damage assessments while augmenting 2D and 3D sonar technologies per the NBIS.

The M&N dive team captures images and bathymetric data utilizing high-resolution side scan sonar units and multibeam sonar technology. High-resolution images and point cloud data of bridge piers/bents are collected to identify channel bottom conditions and structural deterioration. Underwater acoustic imaging services were

provided over large navigable waterways with high-risk diving conditions such as fast currents, low visibility, heavy debris, extreme depths, cold water, and vessel traffic.

Scour evaluations (inherent to underwater bridge inspections) are vital to the inspection and report process. All inspector-divers are trained to observe soundings near submerged substructure units, channel migration/alignment, bank erosion, channel bed material, condition of scour protection structures and channel training devices, flow velocity, timber debris quantity and location, major changes in watershed and hydraulic capacities from upstream development and construction; and to review all conditions in real-time on-site to establish a rate of scour and erosion for effective prioritization of repairs and development of scour plan of actions for monitoring.

Key Team Members: Chace Hulon, Jeffrey Gazarek, Chip Eschenbach, Bryan Tyson

17. Firm Experience:

Moffatt & Nichol Inc.		Past Performance Evaluation Discipline(s)*		Bridge					
LADOTD, Underwater Bridge Inspections				Firm responsibility (prime or sub?)		Prime			
Project number		H.009730.5, Task Order 2		Owner's name		Louisiana Department of Transportation and Development			
Project location		Statewide, LA			Owner's Project Manager		Stephanie Dolittle, P.E.		
Owner's address, phone, email		1201 Capitol Access Road, Baton Rouge, LA 70802 / 225.379.1329 / stephanie.dolittle@la.gov							
Services commenced by this firm (mm/yy)			06/22		Total consultant contract cost (\$1,000's)			\$2,402	
Services completed by this firm (mm/yy)			08/25		Cost of consultant services provided by this firm (\$1,000's)			\$1,419	

M&N was tasked with revising the BIM for the LADOTD Bridge Program to incorporate the 2022 NBIS Final Rule. The new policies and procedures included the following documents:

- LADOTD On-System BIM
- LADOTD Off-System BIM
- LADOTD Coding & Field Guide

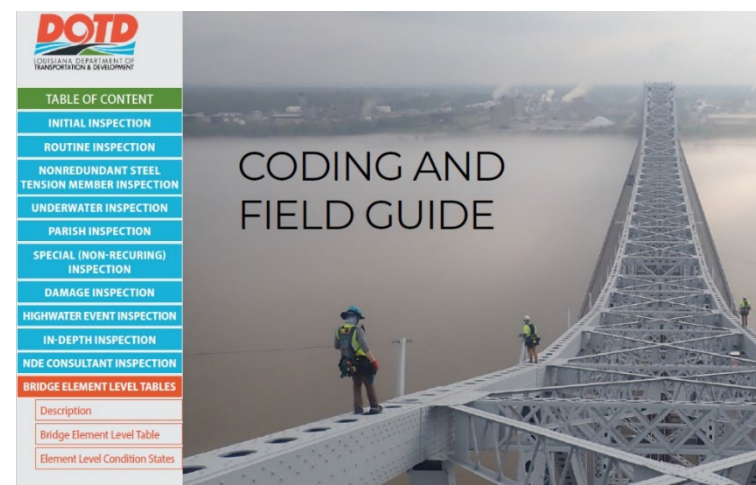
While the above documents have been completed, the LADOTD Bridge Load Rating Manual development is currently in progress. M&N collaborated with the LADOTD staff throughout the development to meet expectations and maintain their input, direction, and compliance. In-person progress meetings occurred monthly, including meetings with various District Bridge Engineers throughout the state. The BIM policies and procedures were completed and published in December 2024, were fully implemented in January 2025, and will be fully compliant for the FHWA audit in 2028.

Updates to the LADOTD BIM were largely a result of the 2022 NBIS Final Rule regulations, and included topics such as:

- Replaced the 1995 Coding Guide with SNBI.
- Inventory now includes private bridges on public roads and temporary bridges open to traffic.
- Two methods for risk-based inspection intervals.
- Enhanced personnel qualifications, specifically for NSTM and Underwater Team Leaders.
- Critical finding reporting with monthly reports.
- Load rate for routine and special permit loads.
- Load post within 30 days of a valid load rating.
- Allowance for advanced technologies and Unmanned Aerial Systems that may supplement traditional methods.

Key Team Members: Chace Hulon, Bryan Tyson

Gresham Smith



17. Firm Experience:

Volkert, Inc.		Past Performance Evaluation Discipline(s)*		Environmental, Road		
LA 1088 Corridor Study				Firm responsibility (prime or sub?)		Prime
Project number	H.010116	Owner's name	Louisiana Department of Transportation and Development			
Project location	St. Tammany Parish, LA		Owner's Project Manager	Jeff Brown, P.E.		
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802 / 225.379.1305 / jeff.brown@la.gov					
Services commenced by this firm (mm/yy)		02/15	Total consultant contract cost (\$1,000's)			\$1,320
Services completed by this firm (mm/yy)		11/16	Cost of consultant services provided by this firm (\$1,000's)			\$524

The scope of services for this project consisted of the preparation of an Environmental Assessment (EA) in accordance with the National Environmental Policy Act (NEPA), and other applicable laws for the project. The project proposed to improve the mobility and safety of vehicle, pedestrian and bicycle traffic along the LA 1088 corridor between LA 59 (Girod St.) and the I-12 westbound ramps in St. Tammany Parish. The total length of the project is approximately 3.5 miles.

Volkert was responsible for evaluating the social, economic, and environmental consequences of the alternatives (including the no-build) and presenting this information in the EA document. In addition to the formal EA document and Finding of No Significant Impact (FONSI), Volkert developed separate reports including a Wetland Finding, Phase I Environmental Site Assessment, Phase I Cultural Resources Survey Reports, Noise analysis, Section 4(f) statement, and a Conceptual Stage Relocation Plan. A Public Meeting was held to inform the public of the project, potential impacts, and to obtain comments on the alternatives, design features, and impacts. Volkert obtained a FONSI from the FHWA once the EA was approved.



Volkert performed a line and grade study which included: establishment of design criteria and required lane configurations based on level of service; development of typical roadway sections and horizontal geometry; development of vertical geometry and minimum roadway grade; identification of major drainage structure locations; establishment of approximate required right-of-way limits; identification of known existing utilities and potential conflicts; and cost estimates for right of way, utility relocation, engineering, and construction.

Team Members: Jan Evans PE, MBA; Jason Goffinet, REPA; Paige Felts, CPESC; Perry LeBlanc

17. Firm Experience:

Volkert, Inc.		Past Performance Evaluation Discipline(s)*		Bridge, Environmental	
Almonaster Avenue Bridge Optimization – Environmental Assessment				Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	Port of New Orleans		
Project location	Orleans Parish, LA		Owner's Project Manager	Deborah Keller	
Owner's address, phone, email	P.O. Box 60046, New Orleans, LA / 504.528.5297				
Services commenced by this firm (mm/yy)		08/02	Total consultant contract cost (\$1,000's)		\$101,062
Services completed by this firm (mm/yy)		06/11	Cost of consultant services provided by this firm (\$1,000's)		\$6,062

This project consists of the development of preliminary design plans and estimate for a permanent rolling lift bascule bridge and approaches over the Inner Harbor Navigational Canal at Almonaster Avenue. This new bridge is to be constructed on the existing alignment while maintaining both rail and marine traffic. Unlike the existing span, the new span's overhead counterweight shall be on the east end of the span. The bascule span shall consist of a single truss supporting two railroad tracks, with the east bound and west bound lanes of vehicular traffic being supported on the outside of the truss. Eastbound roadway approaches shall be reconstructed from France Road to Jordon Road (approximately 2,070 ft. with three track crossings). Westbound approach roadway shall be reconstructed from approximately midway between France Road and the Bridge to midway between Jordon Road and the bridge (approximately 1050 ft.) with spot replacement at four areas of railroad track crossings. The proposed roadway work will include floodwall and levee relocations, subsurface drainage and utility improvements and relocations.



As supplemental agreements to the original contract, Volkert provided additional services required the rescope the project to determine the best and most economical way to replace the existing Almonaster bridge. This included providing a Bridge Optimization Study to determine the optimum balance among horizontal clearance for marine traffic, affordability, cost, safety and other relevant issues including:

- Provided several configurations of the lift span that provide for horizontal clearances between 125' and 150' to determine cost and constructability. The alternatives provided for two rail lines, and four lanes of vehicular traffic, with shoulders for bicycle use and a pedestrian walkway.
- Met with LA DOTD, CXS Transportation Railroad, and the Port to agree on an alternative and determine sources of funding
- Perform traffic counts and made new (post-Katrina) projections to provide an updated Traffic Report. This included surveying businesses to determine how and if the bridge closure affected their water to land operations.

Volkert was also responsible for an update to approved Environmental Assessment (EA)/Finding of No Significant Impact (FONSI) based on the Phase I Optimization Study. This included a Programmatic Section 4(f) Evaluation. Volkert was responsible for completing the EA in accordance with the federally developed National Environmental Policy Act (NEPA) and Section 404/10 Interagency Concurrent Process Agreement. Volkert provided oversight to subcontractors responsible for cultural resource surveys, bridge design, topographic surveys, roadway design, traffic studies, and public involvement. An intensive cultural resources survey of the bridge and bridge approaches was conducted and submitted to the State Historic Preservation Office.

Team Members: Janet Evans, PE, MBA; Jason Goffinet, REPA

17. Firm Experience:

Forte and Tablada, Inc.		Past Performance Evaluation Discipline(s)*		Survey					
Retainer Contract for Professional Surveying Services				Firm responsibility (prime or sub?)		Prime			
Project number		44-10587		Owner's name		Louisiana Department of Transportation and Development			
Project location		Statewide, LA			Owner's Project Manager		Stanley Ard		
Owner's address, phone, email		1201 Capitol Access Road, Baton Rouge, LA / 225.379.1292 / stanley.ard@la.gov							
Services commenced by this firm (mm/yy)			06/17		Total consultant contract cost (\$1,000's)			\$3,000	
Services completed by this firm (mm/yy)			06/22		Cost of consultant services provided by this firm (\$1,000's)			\$3,000	

Forte and Tablada has successfully executed a comprehensive range of task orders under the Louisiana Department of Transportation's (LA DOTD) Topographic Surveying Indefinite Delivery, Indefinite Quantity (IDIQ) contract. Our commitment to precision and adherence to LA DOTD Location and Survey Manual standards ensured the accurate data collection for supporting transportation infrastructure projects across Louisiana on the task orders listed below:

Project Number	Project Name	Cost
H.011684	LA 327 Spur:Staring Lane Ext.	\$191,159
H.012343	Sunshine Bridge Repair	\$583,261
H.012588	I-10: Atch Basin Br-W BR P/L	\$225,380
H.012169	I-10: Iberville P/L – W End Miss Br	\$139,949
H.012587	I-10: W End of Br 290- LA 415	\$131,429
H.011970	LA 182: Bayou Terrebonne Bridges	\$119,921
H.013946	Sunshine Bridge Pier Four	\$35,701
H.000303	Danziger Bridge Rehabilitation	\$217,757
H.012083	I-10:Calcasieu Bridge INT Repairs	\$327,054
H.014628	LA 397: Turn Lanes at Rice Mill	\$104,896
H.003931	Calcasieu River Bridge (Phase 2)	\$899,103

Key Staff: Joey Coco, P.E., MBA, Ross Wilson, P.L.S.
and Blake Bonnette

SERVICES INCLUDED

PRIMARY SURVEY CONTROL

DEEP ROD CONTROL MONUMENTS

TOPOGRAPHIC SURVEY

DRAINAGE MAPPING

HYDROGRAPHIC SURVEY

MOBILE & TERRESTRIAL LIDAR

BRIDGE CONSTRUCTION MONITORING

CONTRACT CHALLENGES

IMMEDIATE RESPONSE TO EMERGENCY TASK ORDERS

DEDICATED UP TO 6 SURVEY CREWS TO MEET DEADLINES ON LARGE-SCALE PROJECTS



17. Firm Experience:

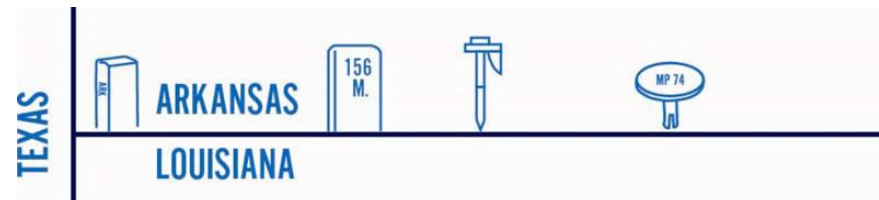
Forte and Tablada, Inc.		Past Performance Evaluation Discipline(s)*		Survey					
Rural Bridge Replacement Initiative – Phase II				Firm responsibility (prime or sub?)		Sub			
Project number		5 State Project Numbers		Owner's name		Louisiana Department of Transportation and Development			
Project location		District 04 and 05, LA		Owner's Project Manager		Valerie Tourres			
Owner's address, phone, email		1201 Capitol Access Road, Baton Rouge, LA / 225.379.1292 / Valerie.tourres@la.gov							
Services commenced by this firm (mm/yy)			06/21		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)			\$1,072	

Forte and Tablada, Inc. is a subconsultant to T. Baker Smith, LLC to provide topographic surveying and right-of-way mapping services for 20 bridges throughout North Louisiana. The State Project Numbers included in this contract are H.014219, H.014222, H.014228, H.014231 and H.014236. Right-of-way mapping services provided include performing title take-offs, field investigations to survey property boundary evidence, boundary analysis, existing right-of-way location determination and right of way mapping. The right-of-way maps were produced in accordance with state regulations and LA DOTD requirements as outlined in Addendum A of the Location and Survey Manual.

During the Right-of-Way survey for H.014228 along LA 159 near its crossing into Arkansas, it was discovered that the boundary surveys provided in the Title Reports and Title Research incorrectly mapped the LA-AR state line. To resolve this, Forte and Tablada, Inc. conducted extensive property research, utilizing County and Parish Clerks of Court in both Louisiana and Arkansas. We also reviewed original GLO Plats and Field Notes, as well as Certified PLSS Monument records from the Arkansas Division of Land Surveys. This research supplemented field investigations over a 90-mile stretch along the state line to accurately determine its true location for the project.

As part of these surveys, Forte and Tablada, Inc. provided 15 property surveys, 5 title sheets, 16 plan sheets, and 12 residual sheets. Additionally, we located 111 property monuments and mapped 34 required parcels within the plan sheets.

Key Staff: Joey Coco, P.E., MBA, Brad Holleman, P.L.S., P.E., Ross Wilson, P.L.S., and Rachel Waldroup, L.S.I./P.L.S.



17. Firm Experience:

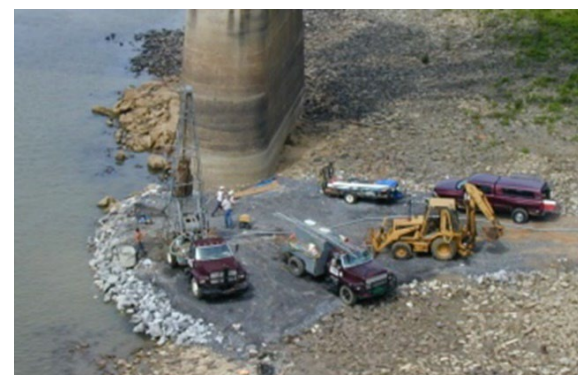
Ardaman & Associates, Inc.		Past Performance Evaluation Discipline(s)*		Geotech					
I-20 Mississippi River Bridge Review				Firm responsibility (prime or sub?)		Prime			
Project number		H.004646, H.010603.6, H.010612.6, H.004647		Owner's name		Louisiana Department of Transportation and Development			
Project location		Madison Parish, LA			Owner's Project Manager		Chris Nickel		
Owner's address, phone, email		1201 Capitol Access Road, Baton Rouge, LA / 225.379.1100 / chris.nickel@la.gov							
Services commenced by this firm (mm/yy)			10/09		Total consultant contract cost (\$1,000's)			\$10,881	
Services completed by this firm (mm/yy)			Ongoing		Cost of consultant services provided by this firm (\$1,000's)			\$10,881	

Ardaman conducted a geotechnical study to develop a list of technically feasible remedial alternatives to decrease the potential for ground movements to occur at the site of the I-20 Bridge. Movement of the east abutment of the bridge was first realized in 2001 during an inspection. Over the years Mississippi DOT has retained several consultants who have studied the problem, but no viable solution was identified. Ardaman conducted a comprehensive review of past slope stability evaluations and recommendations. This task was followed by developing a refined geotechnical site characterization plan for the bank/bluff area for further analyses. Drilling operations included obtaining extremely sensitive samples containing prehistoric shear planes from the river via barge and on land, all with extremely difficult access conditions. The drilling program also included installation of geotechnical instrumentation such as Shape Accelerator Arrays, inclinometers, and vibrating wire piezometers. Engineering analyses performed included seepage and drawdown analyses and both equilibrium and finite element numerical modeling slope stability analyses. As part of the project, Ardaman developed a full slope stabilization design and construction remediation strategy and a monitoring program for the bluff instability and ground movements affecting the existing I-20 Mississippi River Bridge.

Ardaman is currently managing a phase of the project which involves upgrading the entire instrumentation communication system. It also includes gathering and continuously monitoring various types of instrumentation data, inspects of the site and monitoring changes in topography by obtaining periodic survey data.

Nature of firm's responsibility: Prime Consultant; Overall responsibility for entire contract.

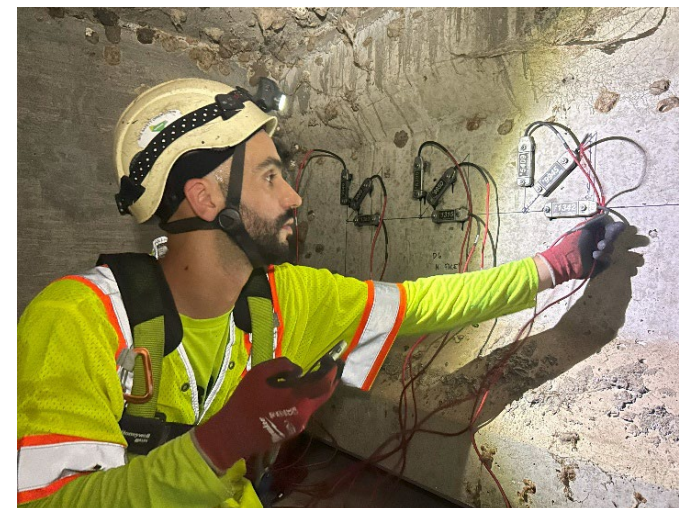
Firm members involved include: Megan Bourgeois, Robert Jewell, Jarmon King, Casey Floyd, Jessica Litt



17. Firm Experience:

Bridge Diagnostics, Inc.		Past Performance Evaluation Discipline(s)*		Bridge	
Bayou Ramos Bridge Multi-Phase Field-Verified Evaluation				Firm responsibility (prime or sub?)	Prime
Project number	H.009730.5	Owner's name	Louisiana Department of Transportation and Development		
Project location	Morgan City, LA		Owner's Project Manager	Bradley Mistich	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA / 225.379.1200 / Bradley.mistich@la.gov				
Services commenced by this firm (mm/yy)		10/24	Total consultant contract cost (\$1,000's)		\$501
Services completed by this firm (mm/yy)		Ongoing	Cost of consultant services provided by this firm (\$1,000's)		\$207

The Bayou Ramos bridges are currently load posted due to cracking/deterioration present along many of the prestressed girder ends. When this deterioration was first observed, BDI teamed up with LADOTD to conduct diagnostic live-load testing and monitoring on these structures to identify the structure's response characteristics and determine potential causes for the observed distress. As part of Task Order 5 of BDI's NDT/E IDIQ 4400025002, BDI was contracted to provide a multi-phase evaluation to reevaluate the structures' live-load capacity after multiple retrofit strategies were deployed. This evaluation included:



- **Phase I:** AASHTOWare BrR load rating evaluation where multiple strut-and-tie method (STM) models were considered and evaluated. BDI Phase I calculations and related findings were summarized in a submitted load rating report and calculation package.
- **Phase II:** Diagnostic load test-based evaluation was used to validate both the structural behavior and STM capacity assumptions. BDI provisioned, installed, and maintained all required instrumentation and data acquisition equipment. BDI utilized the collected structural responses to evaluate the structure's distribution behavior and refine the STM capacity assumptions, with analysis and evaluation results submitted in a report and calculation package.
- **Phase III:** Performance monitoring program set to provide crucial information on the condition of the girder ends by monitoring the activity level of the observed deterioration once/if load restrictions are lifted. During this phase, all monitoring equipment will be provisioned, installed, maintained and calibrated by BDI's team.

BDI is currently finalizing Phase III monitoring based on coordination with and approval from LADOTD.

Brice Carpenter served as project engineer responsible for load rating, testing/monitoring plan development and application, analysis team management, and QA/QC of various project tasks. Steven Fall served as local project manager responsible for field testing logistics and field crew management.

17. Firm Experience:

Gulf South Research Corporation		Past Performance Evaluation Discipline(s)*		Environmental	
EA for New Construction and Operation of the LA Green Fuels Bio-Refinery				Firm responsibility (prime or sub?)	Sub
Project number	N/A	Owner's name	Strategic Biofuels, LLC		
Project location	Caldwell Parish, LA		Owner's Project Manager	Paul Oestermeich	
Owner's address, phone, email	303 Wall Street, Columbia, LA 71418 / 314.250.7157 / pauloesterreich@strategicbiofuels.net				
Services commenced by this firm (mm/yy)		03/24	Total consultant contract cost (\$1,000's)		\$35
Services completed by this firm (mm/yy)		Ongoing	Cost of consultant services provided by this firm (\$1,000's)		\$35

GSRC was contracted by Strategic Biofuels (Strategic), LLC to prepare an EA for the construction, operation, and maintenance of the proposed Louisiana Green Fuels (LGF) refinery, including one natural gas pipeline right-of-way (ROW), two carbon dioxide pipeline ROWs, and two injection well pads. The project area is approximately 420 acres located in Caldwell Parish, Louisiana. As part of the EA process, GSRC was responsible for conducting wetland surveys on six individual tracts of land that comprise the refinery facility site as well as the natural gas pipeline ROW, carbon dioxide pipeline ROWs, and well pads. GSRC was responsible for coordinating with the U.S. Army Corps of



Engineers (USACE) to obtain a Preliminary Jurisdiction Determination for four of the tracts of land that comprise the refinery facility site. GSRC also conducted vegetation and protected species surveys. There is one endangered species (Northern long-eared bat), one proposed endangered species (Tricolored bat), one proposed threatened species (Alligator snapping turtle), and a candidate species (Monarch butterfly) known to occur in the area. In accordance with the **Endangered Species Act (ESA)**, critical habitat was researched, however was not found within the project site. GSRC was also responsible for conducting **Phase I Cultural Resources surveys** for the same areas in which the wetland delineation surveys were performed. **GSRC was responsible for conducting Section 106 consultation with the Louisiana State Historic Preservation Officer (SHPO)** to obtain concurrence on GSRC findings. The associated studies were performed under separate work orders.



GSRC prepared the Draft EA in compliance with the National Environmental Protection Act (NEPA) and current Council on Environmental Quality's (CEQ) guidelines. As part of the EA process, GSRC was responsible for submitting the coordination letters to federal, state, and local agencies and affected Native American tribes. The purpose of these letters was to obtain any information or data these groups may have on potentially affected resources in the project's Region of Influence. Mr. Howard Nass is the project manager for this project and is responsible for project finances, scheduling, project coordination, oversight of associated studies, and preparation of the EA. He is also responsible for coordinating with federal, state, and local agencies during the preparation of the EA. **Mr. John Lindemuth was the Cultural Resources Principal Investigator for the Cultural Resources investigations and Mr. Mark Hawthorn was the archaeological field technician. Mr. Howard Nas was the project manager; Mr. Beau Rapier and Mr. Ross Hackbarth conducted the wetland delineations and endangered species surveys.**

17. Firm Experience:

KTA-Tator, Inc.		Past Performance Evaluation Discipline(s)*		Bridge							
Fabrication Inspection Services (Statewide Contract)				Firm responsibility (prime or sub?)		Prime					
Project number		N/A		Owner's name		Connecticut DOT					
Project location		Connecticut				Owner's Project Manager		Jonathan Boardman, CTDOT Supervising Engineer			
Owner's address, phone, email		2800 Berlin Turnpike, Newington, CT 06111 / 860.258.0327 / Jonathan.boardman@ct.gov									
Services commenced by this firm (mm/yy)				04/23		Total consultant contract cost (\$1,000's)				\$5,000	
Services completed by this firm (mm/yy)				Ongoing		Cost of consultant services provided by this firm (\$1,000's)				\$5,000	



KTA was selected by Connecticut Department of Transportation (CTDOT) to provide qualified inspection and testing personnel to perform inspections, sampling, and testing of materials for structural steel fabrication, coatings processes and precast, prestressed, and post-tensioned concrete at approved fabrication shops throughout the United States. We have been selected by CTDOT for multiple consecutive Fabrication Inspection agreements.

Our goal is to ensure conformance of the material to project specifications. Our inspectors verify that the fabricator is exercising adequate quality control during the entire fabrication/production process. As such, our inspectors visually inspect, witness, sample, and test material during all phases of manufacture/fabrication/production. This includes witnessing all nondestructive testing of welds and signing all reports of such testing. Ultrasonic inspection is witnessed, and the interpretation of the results verified by our personnel who are qualified Non-Destructive

Testing (NDT) Level II in accordance with requirements of the American Society for Nondestructive Testing's Recommended Practice Number SNT-TC-1A and Supplement C, Ultrasonic Testing Method. These services are performed in accordance with applicable standards including, but not limited to, those described by the American Welding Society (AWS), Association for Materials Protection and Performance (AMPP), American Association of State Highway Transportation Officials (AASHTO), and the American Society of Testing Materials (ASTM). As directed by the Engineer, our inspectors document and report test results on forms provided by CTDOT.

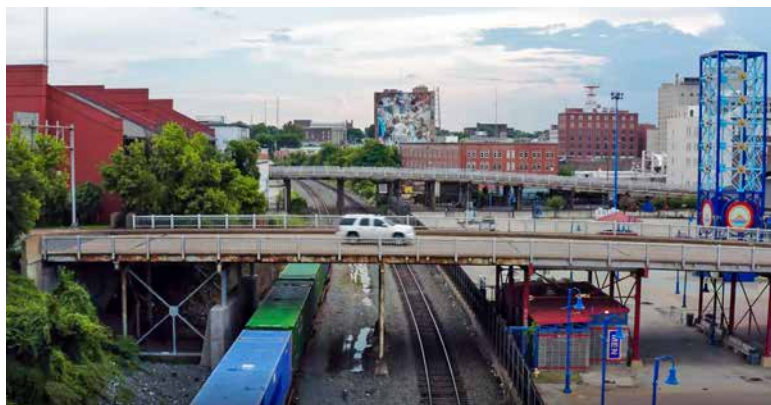
Firm Members Involved: James Kretzler

18. Approach and Methodology:

Introduction

Gresham Smith has developed a highly skilled team with extensive expertise in bridge preservation, bridge rehabilitation, load rating, and inspection services. Our firm has successfully executed numerous bridge repair and rehabilitation projects across Louisiana, Mississippi, Tennessee, Georgia, Florida, Texas, Kentucky and Alabama. Each project presents distinctive challenges, which we address through innovative, customized methodologies. Our team structure encompasses multiple specialized groups, providing both redundancy and flexibility to effectively manage concurrent Task Orders (TOs).

We have an established history of providing engineering services to the Louisiana Department of Transportation and Development (LADOTD), including Indefinite Delivery Indefinite Quantity (IDIQ) Contracts for Complex Bridge Inspection, Roadway Design, and Traffic Engineering/Analysis. Additionally, Gresham Smith has maintained long-term On Call Contracts for Bridge Repair and Maintenance with Tennessee Department of Transportation (TDOT) and Bridge Maintenance with Georgia Department of Transportation (GDOT).



Bridge rehabilitation remains a foundational element of our bridge practice, where we routinely employ advanced techniques such as Accelerated Bridge Construction (ABC). This innovative approach facilitates the replacement and rehabilitation of structures when conventional methods are impractical. Gresham Smith has been

involved in some of the most complex and successful ABC projects in the Southeast. Notable projects include the award-winning TDOT I-40 Fast Fix 8 in downtown Nashville, which replaced eight bridges seven months ahead of schedule with minimal disruption of interstate traffic, and the Broadway Viaduct bridge replacement project, completed within eight weeks through ABC methodology.

Project Team

As a full-service firm, Gresham Smith offers a multidisciplinary team adept in all facets of bridge engineering. We bolster our capabilities through strategic teaming partners. Our collective expertise spans bridge design, bridge repair and rehabilitation, roadway design, traffic services, bridge inspection and sampling, instrumentation, nondestructive testing (NDT), surveying and title services, as well as environmental and permitting support.

- **Gresham Smith** – Prime Consultant for Bridge, Roadway, Traffic, and Hydraulic Services
- **Modjeski and Masters, Inc. (M&M)** – Movable Bridge Replacement & Rehabilitation, Roadway Lighting, and NDT Services
- **Moffatt & Nichol** – Bridge and Underwater Inspections, Movable Bridge Replacement & Rehabilitation
- **Volkert** – Bridge and Environmental Services
- **BDI** – Instrumentation and NDT
- **Ardaman & Associates** – Geotechnical Services
- **Forte & Tablada** – Bridge and Surveying Services
- **Gulf South Research Corporation** – Environmental and Permitting Support
- **KTA-Tator, Inc.** – Coatings and Material Sampling

IDIQ Understanding and Approach

Our approach to every assignment follows an intentional and proven process centered on flexibility, efficiency, and compliance. We prioritize a clear task order workflow to address client needs promptly, understanding the critical importance of rapid and effective response. Each task order is assigned to an experienced project manager who oversees meticulous scope development, scheduling, and resource allocation. Rigorous quality control standards are maintained throughout, alongside proactive risk management to identify and mitigate potential issues. Our methodology is grounded in a deliberate, proven process aligned with our core principle of Genuine Ingenuity. The following key metrics outline how we execute each task order and manage the overall project to consistently deliver exceptional results:

Consistent Communication

We prioritize establishing clear expectations regarding project communications with LADOTD, including regular progress meetings and periodic written updates. We commit to monthly meetings with Mr. Brian Allen, LADOTD Project Manager, including distribution of meeting minutes and proactive follow-up on action items. This collaborative approach ensures alignment with LADOTD's objectives throughout project development.

Proven Ability to Meet Schedules

Gresham Smith's long-standing client relationships underscore our consistent delivery on schedule and within budget. We understand and embrace client goals, often enhancing outcomes through innovative, practical solutions. Our team is sufficiently resourced to manage multiple concurrent assignments, including accelerated schedules and emergency responses. Examples demonstrating our capabilities include:

- Delivered design plans for bent replacement and concrete crash wall installation using a helical pile foundation following a train derailment in downtown Shreveport for the US 71 Bridge over the KCS Railroad.
- Prepared final construction plans for urgent repair of an I-40 bridge in Wilson County, addressing significant beam damage.

- Executed Bridge Repairs employing Accelerated Bridge Construction (ABC) techniques to convert existing bridge structures to single span prestressed box beam configurations with full depth precast deck panels and closure pours along with precast substructure components for TDOT SR 49 at Miller Creek and Caleb Creek.
- Completed the Cheshire Bridge Road Emergency Bridge Repair project over the CSX Railroad for the Atlanta Department of Transportation, which involved removal of a fire damaged end span, installation of cast-in-place retaining wall and repairs to fire damaged substructure components restoring traffic flow promptly.
- Successfully replaced the Yarnell Road bridge for Knox County, TN, within two months following an unexpected closure.
- Delivered final bridge load rating reports featuring advanced 3D finite element models for nearly 100 complex structures for TDOT in a matter of months, meeting a strict federal deadline.

Our success is attributed to total team commitment, depth of resources, technical expertise, efficient project planning allowing concurrent activities, effective quality assurance/control (QA/QC), and strong project leadership.

Innovation-Driven Approach

We continually advance engineering analysis techniques and foster a culture of creativity among our engineers. Our structures team excels in 3D finite element modeling, utilizing automated processes to expedite modeling and data analysis, significantly reducing errors and turnaround time.

Innovation at Gresham Smith extends beyond new technologies; it encompasses optimizing established processes. For example, our extensive CADD library and repair plan database enable rapid, accurate development of structural repair designs. Maintaining active collaboration with Contractors and Manufacturers ensures that our practices remain current and incorporate best industry practices.

Commitment to Quality

We define quality through our clients' satisfaction, focusing on successful project delivery by implementing clear project plans, defining roles and responsibilities, maintaining effective communication, and engaging in continuous monitoring and control. Our commitment fosters long-term client relationships built on trust and proven results.

Bridge Design Replacement Services

Our bridge design experience includes grade and stream crossings, pedestrian bridges, interchanges, viaducts, widenings, rural and urban bridges, box culverts and approach structures. We have worked extensively with steel, concrete and timber to create different types of bridge structures to span rivers, roadways and railways.



Bridge Repair and Rehabilitation Services

Gresham Smith has provided these services under the TDOT Bridge Repair On-Call contract since 2001 and the GDOT On-Call Bridge Maintenance Engineering Services Contract (2005-2008 & 2020 Ongoing). We have supported several state and local agencies and

aim to be good stewards of financial investments through bridge maintenance and rehabilitation. Often, the most economical solution is to repair or rehabilitate a structure to extend its functional life.

While addressing the deficiency findings detailed in bridge inspection reports, we often provide design solutions to repair and rehabilitate structures that are more cost-effective than replacements with a new structure. Bridge repairs are necessary to correct structural or functional deficiencies, vehicular collision damage, concrete or steel deterioration, scour problems, etc.

Accelerated Bridge Construction (ABC)

This is an important tool that LADOTD can utilize to replace and rehabilitate structures where conventional repairs and replacements are not an option. Gresham Smith has been involved in some of the most complex and successful ABC projects in the Southeast.

Gresham Smith's bridge group has performed 19 successful bridge repairs and superstructure/substructure replacement using ABC methods within the past 11 years. We offer this approach as an additional tool LADOTD can use to further enhance their bridge preservation program.

Structural Engineering Project Process

We employ a standardized, systematic approach to maximize project success throughout each task order:

- Conduct site visit and a scoping meeting with LADOTD
- Review all available existing structure documentation
- Hold internal project kickoff meeting
- Develop detailed scope of work and fee estimate
- Review scope and fee with LADOTD project manager
- Initiate internal project execution meeting with PM, technical leads, and project team to start executing the project plan
- Integrate appropriate technology and innovation into project execution plan
- Begin environmental, utility, and railroad coordination

Preliminary Design

- Evaluate feasible design options and identify 2–3 most viable solutions
- Assess compliance with applicable standards, policies, and site constraints
- Balance initial construction cost with anticipated life-cycle maintenance cost
- Conduct constructability review in collaboration with CEI staff
- Present viable concepts to LADOTD for feedback and final direction
- Develop final preliminary (30%) design plans for approval

Final Design

- Prepare and obtain approval for any required design deviations

60% Design Plans

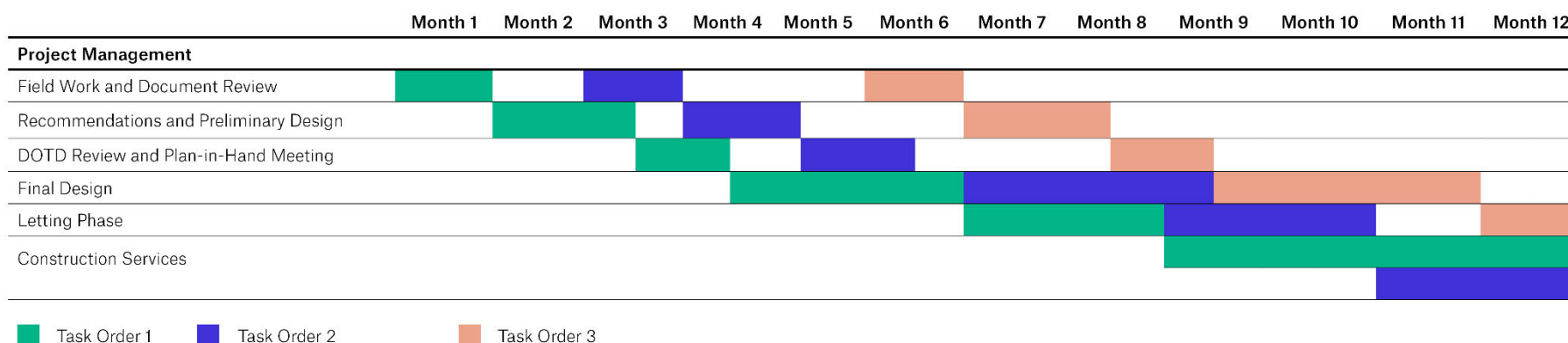
- Continue environmental, utility, and railroad coordination
- Perform quality control and constructability reviews
- LADOTD review and meeting to discuss progress, direction, and review comments

90% Design Plans

- Finalize environmental, utility, and railroad coordination
- Perform Quality Control and Constructability Reviews
- Present refined plans to LADOTD for review and comment

Final Plans

- Complete final QA/QC and Constructability Reviews
- Conduct Off-Team Quality Control Review
- Submit final deliverables to LADOTD
- Provide project letting support
- Construction Engineering and Inspection Support



19. Workload:

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

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

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

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

Firm All firms must be represented in this table	Past Performance Evaluation Disciplines(s) *	Contract Number & State Project Number	Project Name	Remaining unpaid balance**
Gresham Smith	Bridge	44-21514; H.012003	Movable Bridge Contract 2	\$9,530
Gresham Smith	CE&I/OV	44-31927; H.014737.6	Signal Upgrade: Sgt Alfred (CEI)	\$10,823
Gresham Smith	CE&I/OV	44-27349; H.003931.6	Calcasieu River Bridge (HBI)(CEI)	\$1,131,076
Gresham Smith	Other (Program Mgt)	44-27186; H.015959.1	Discretionary Grant Administration	\$1,169,296
Gresham Smith	Road	44-21326; H.014693.1	Stage 0 LA 67 (Plank Rd) at LA 3006	\$3,826
Gresham Smith	Road	44-26911; H.015202.5	LRSP/STRPPP TO #10 Donaldsville	\$27,314
Gresham Smith	Road	44-26911; H.015207.5	SRTPPP TO #11 (BRCC Design)	\$132,378
Gresham Smith	Road	44-26911; H.016080.5	SRTPPP TO #12 (US 90 @ Sharp Design)	\$129,499
Gresham Smith	Road	44-27210; H.012859.5	Roundabout at Valhi Blvd	\$90,909
Gresham Smith	Road	44-27181; H.015861.5	LA 4 (Jonesboro)	\$74,602
Gresham Smith	Road	44-27181; H.015918.5	Downtown Winnfield	\$133,983
Gresham Smith	Road	44-26912; H.013720.5	LRSP/STRPPP TO #12 LA 31 Sidewalk	\$129,498
Gresham Smith	Road	44-26912; H.016205.5	LRSP/STRPPP TO #13 LA383 Sidewalks	\$118,400
Gresham Smith	Road	44-31004; H.015580.5	Natchitoches Safe Streets	\$352,183
Gresham Smith	Traffic	44-25298; H.016039.5	LA 47: LA46 - Virtue St	\$87,491
Gresham Smith	Traffic	44-25298; N/A	LA 24: Downtown Houma Study	\$35,058
Gresham Smith	Traffic	44-25298; H.016007.5	I-10: Siegen Ln Interchg	\$125,493
Gresham Smith	Traffic	44-25298; N/A	Permit Review (Dist 05)	\$300,000
Gresham Smith	Traffic	44-26911; H.013718.5	LRSP/STRPPP TO #3 LA 23 Gretna	\$54,185
Gresham Smith	Traffic	44-26911; H.013713.5	LRSP/STRPPP TO #4 LA 60 Bogalusa	\$12,767
Gresham Smith	Traffic	44-26911; H.015198.5	LRSP/STRPPP TO #5 S. Carrollton)	\$601
Ardaman & Associates	Geotech	44-4128; H.004273	I-49 Connector, Lafayette	\$740,233

Ardaman & Associates	Geotech	44-18899; H.004791	LA 23: Belle Chasse Bridge & Tunnel (HBI)	\$40,545
Ardaman & Associates	Geotech	44-19013; H.004100.5 & .6	I-10 CMAR Design Continuation: LA 415 TO ESSEN ON I-10 & I-12	\$897,508
Ardaman & Associates	Geotech	H.004435	I-12 to Bush Construction Phase	\$39,040
Ardaman & Associates	Geotech	44-8671; H.009266	I-10 Widening: LA 73 to LA 30	\$46,811
Ardaman & Associates	Geotech	44-17438; H.013284	MRB GBR LA 1 to LA 30 Connector	\$3,979
Ardaman & Associates	Geotech	44-6189; H.004647.6	I-20 Mississippi River Bridge at Vicksburg	\$1,270,473
Ardaman & Associates	Geotech	44-25025; H.015452, H.015453, H.015456,	IIJA	\$10,461
Ardaman & Associates	Geotech	44-21519; H.012030.5	KCS RR Overpasses US 371	\$39,877
Ardaman & Associates	Geotech	44-21887; H.012542, H.012453, H.012047	Replacement of 15 Bridges	\$185,794
Ardaman & Associates	Geotech	44-6189; H.016313.5, H.016314.5	Culvert Replacements	\$951
Ardaman & Associates	Geotech	H.015430	IIJA	\$3,192
Ardaman & Associates	Geotech	H.001798	LA 531: Bridges Near Dubberly	\$12,533
Ardaman & Associates	Geotech	H.016094	US 371: Brushy Creek Bridge	\$36,357
Ardaman & Associates	Geotech	H.016204	Benton Sidewalks & RR Crossing	\$8,550
Ardaman & Associates	Geotech	H.016328.5	Canal Bridge Iberville Parish	\$14,523
Ardaman & Associates	Geotech	H.016333.5	Over Bayou Bridge Evangeline Parish	\$29,577
Ardaman & Associates	Geotech	H.016334.5	Over Drain Bridge Evangeline Parish	\$36,506
Ardaman & Associates	Geotech	H.016335.5	Canal Bridge Iberville Parish	\$15,354
Ardaman & Associates	Geotech	H.016336.5	Bayou Bridge Evangeline Parish	\$35,039

Bridge Diagnostics	Bridge	44-25002; H.009730.5	IDIQ Contract for Non-Destructive Testing/Evaluation of Structures Statewide TO5	\$294,799
Bridge Diagnostics	Bridge	44-25002; H.009730.5	IDIQ Contract for Non-Destructive Testing/Evaluation of Structures Statewide TO7	\$5,035
Bridge Diagnostics	Bridge	44-25002; H.009730.5	IDIQ Contract for Non-Destructive Testing/Evaluation of Structures Statewide TO9	\$115,918
Bridge Diagnostics	Bridge	44-25002; H.009730.5	IDIQ Contract for Non-Destructive Testing/Evaluation of Structures Statewide TO10	\$408,471
Bridge Diagnostics	Bridge	44-24187; H.004647.6	I-20 Miss. R. Bridge Geotechnical & Stru IDIQ Contract for Bridge Preservation Statewide TO 15	\$145,113
Bridge Diagnostics	Bridge	44-23812	Mast Plan Development for the Weigh Station Assessment, Rehabilitation, and Plan Development Statewide TO3	\$27,081
Forte and Tablada	Bridge	4400021594/H.009859.5	Task Order No. 6 - Load Rate Selected Statewide Bridges	\$813,327
Forte and Tablada	Bridge	4400021594/H.009730.5	Task Order No. 8 - In-Depth Bridge Inspections	\$95,757
Forte and Tablada	Bridge	4400021594/H.015546.6	Task Order No. 9 - Caplis Sligo Road Over Red Chute Bayou	\$5,244
Forte and Tablada	Bridge	4400021594/H.009859.5	Task Order No. 10 - Statewide Bridge Rating	\$837,955
Forte and Tablada	Bridge	4400023921/H.015519.6	Task Order No. 5 - Smith Road over Red Chute Bayou	\$9,024
Forte and Tablada	Bridge	4400024589/H.014990.5	OSBR S. Tiger Bend Rd & East Achord Rd Bridges	\$41,837
Forte and Tablada	Bridge	4400013387/H.013137.5	OSBR Ouachita	\$12,089
Forte and Tablada	Bridge	4400019864/H.014318.5	OSBR Gurney Road Bridges	\$4,708
Forte and Tablada	Bridge	4400025037/H.014994.5	OSBR Bonne Idee Rd over Bonne Bayou	\$3,487
Forte and Tablada	Bridge	4400024586/H.014981.5	OSBR Hosston River Road	\$5,689
Forte and Tablada	CE&I/OV	4400023837/H.013714.6	Valhi Blvd Shared-Use Path (Houma)	\$7,598
Forte and Tablada	CE&I/OV	4400023837/H.015011.6	Local Rd Striping & Signing (Ascension)	\$242,304
Forte and Tablada	CE&I/OV	4400023837/H.013753.6	LA 428: Gen Degaulle - Old Behrman	\$228,344
Forte and Tablada	Road	4400024641/H.005734.5	LA 447 Corridor	\$300,449
Forte and Tablada	Survey	4400021594/H.011965.6	Task Order No. 2 - IWGO Bridge Rehabilitation (Drone Flyover)	\$47,688
Forte and Tablada	Survey	4400021532/H.010116.5	LA 1088: Soult & Trinity Roundabouts	\$22,187
Forte and Tablada	Survey	4400021532/H.012059.5	LA 19: Bridges near Zachary	\$19,490
Forte and Tablada	Survey	4400021532/H.013195.5	LA 98 Curve Realignment	\$3,753
Forte and Tablada	Survey	4400021532/H.005734.5	LA 447 Corridor Study	\$95,561
Forte and Tablada	Survey	4400021532/H.012563.5	LA 73: Bayou Manchac Bridge (HBI)	\$461
Forte and Tablada	Survey	4400027919/H.015587.5	LA 3211 @ Yokley Rd Roundabout	\$7,031

Forte and Tablada	Survey	4400021532/H.004100.5	I-10: LA 415 to Essen on I-10 & I-12	\$100,036
Forte and Tablada	Survey	4400031906/H.004791.6	LA 23: Belle Chasse Bridge & Tunnel (HBI)	\$72,104
Forte and Tablada	Survey	4400031925/H.007811.5	Comite River - Cypress Bayou	\$72,812
Forte and Tablada	Survey	4400030630/H.015724.5	Kings Hwy: Healthcare & Dev Corridor	\$8,800
Forte and Tablada	Survey	4400025029/H.015341	D61(EBR) IJJA Off-System Bridge	\$53,978
Forte and Tablada	Survey	4400025029/H.015341	D61(EBR) IJJA Off-System Bridge - SA 3	\$9,113
Forte and Tablada	Survey	H.004100	I-10 Capital Corridor	\$4,240
Forte and Tablada	Survey	4400004128/H.004273.5	I-49 Connector Additional ROW	\$6,692
Forte and Tablada	Survey	4400031228/H.015469.5	Shreveport Pavement Program	\$44,235
Gulf South Research Corporation	Environmental	44-25024; H.013284	Mississippi River Bridge South Central	\$1,400
KTA-Tator	Bridge	44-21514; H.012003, H.011995, H.010007, H.012568 and H.012000	Contract 2 for Moveable Bridges (5)	N/A
KTA-Tator	Bridge	44-21516	Contract for 5 Moveable Bridges (1 Completed)	\$81,955
KTA-Tator	Bridge	44-21515	Contract for 5 Moveable Bridges (4 Field Work Completed)	\$83,670
Modjeski & Masters	Bridge	JN 3144	Expert witness services in bridge design, construction, repair and forensic analysis	\$195,719
Modjeski & Masters	Bridge	Contract 44-29193 H.004100.5/H.004100.6	Subconsultant: LA 415 to Essen Lane on I-10 and I-12 Segment 1 Task 2	\$228,487
Modjeski & Masters	Bridge	Contract 44-21128 H.014258	Subconsultant: LA 1: Port Allen Canal Bridge Replacement - Phase 2 CRES	\$394,111
Modjeski & Masters	Bridge	H.011137.6 - Task Order 5	I-12: LA 1077 to LA 21	\$108,195
Modjeski & Masters	Bridge	H.002980.6 - Task Order 9	I-10 Overpass Over US 165 & MP RR	\$49,009
Modjeski & Masters	Bridge	H.014998.6 - Task Order 10	West Larose Lift Bridge Rehabilitation - Final Design	N/A
Modjeski & Masters	Bridge	H.014998.6 - Task Order 11	West Larose Lift Bridge Rehabilitation - CRES Close Out	\$62,222
Modjeski & Masters	Bridge	H.001271.5 - Task Order 13	Cane River Bridge Navigation Lights	\$178,768
Modjeski & Masters	Bridge	H.014609.1 - Task Order 14	Cameron Ferry Landing Replacement	\$217,545
Modjeski & Masters	Bridge	H.004647.6 - Task Order 15	I-20: MRB Geotechnical and Structural - Vicksburg Monitoring	\$90,403
Modjeski & Masters	Bridge	H.011705 - Task Order 17	US 11 Rehabilitation Close-out Continuation CRES	\$8,310
Modjeski & Masters	Bridge	H.014465.5 - Task Order 20	Vermillion River Bridge (Perry Bridge Rehab 2025 - Add Scope)	\$5
Modjeski & Masters	Bridge	H.015115.6 - Task Order 19	LA 224 at ICWW Girder Repair CRES	\$40,987

Modjeski & Masters	Bridge	H.014465.6 - Task Order 7	LA 82 Perry Bridge Rehabilitation CRES	\$1,204,101
Modjeski & Masters	Bridge	H.010005.5 - Task Order 21	LA 733 Vermillion River Bridge (Eloi Broussard) (HBI)	\$1,998,329
Modjeski & Masters	Bridge	H.010006.5 - Task Order 18	LA-58 Sarah Rd VL Rehab Design update	\$210,402
Modjeski & Masters	Bridge	Contract 44-05673 H.011235.5	Subconsultant: I-49 South @ Verot School Road	\$2,979
Modjeski & Masters	Bridge	Contract 44-05673 H.011235.5	Subconsultant: I-49 South @ Verot School Road (Supplement 5)	\$290
Modjeski & Masters	Bridge	H.009859.5 - Task Order 1	Bridge Load Rating	\$284,231
Modjeski & Masters	Bridge	H.009859.5 - Task Order 2	Load Rating of 10 Statewide Bridges	\$714,699
Modjeski & Masters	Bridge	Contract 44-22581 H.011221.5	I-10: N.O. CBD3 (Poydras - Louisa)	N/A
Modjeski & Masters	Bridge	Contract 44-22581 H.011222.5	I-10: N.O. CBD4 (Louisa - I510)	\$143,058
Modjeski & Masters	Bridge	H.009859.5	Bayou Barataria - Limited Rehabilitation	\$39,030
Modjeski & Masters	Bridge	H.009859.5 - Task Order 2	54 Complex Bridge Rating	\$2,324,619
Modjeski & Masters	Bridge	H.009730.5 Task Order 1	Complex Inspection - Structural, Mechanical, Electrical LA 56 and LA 661	\$124,463
Modjeski & Masters	Bridge	H.009730.5 Task Order 2	Complex Inspection - Structural, Mechanical, Electrical	\$564,488
Modjeski & Masters	CEI/OV	H.003144.6 - Task Order 3	MRB (Luling) CEI of Latent Defects	\$4,293
Modjeski & Masters	CEI/OV	H.003144.6 - TO 3, Supp No. 1	Luling Exit Pipe Sealing CE&I 2026	\$174,790
Modjeski & Masters	CEI/OV	H.011487.6	LA 182: Berwick Bay Bridge Rehabilitation	\$1,007,297
Modjeski & Masters	CEI/OV	H.015028.6 Task Order 2	LA 302: Bayou Barataria MB Repl Phase I	\$680,531
Modjeski & Masters	Other (Roadway Lighting)	H.015504.6 - Task Order 6	CCC Decorative Lighting	\$6,625
Moffatt & Nichol	Bridge	44-29683; H.009730.5	IDIQ Contract for Complex Bridge Inspections – Task Order 1	\$396,506
Moffatt & Nichol	Bridge	44-24187; H.014609.1	IDIQ Contract for Bridge Preservation – Task Order 14 Cameron Ferry Landing Replacement	\$36,453
Moffatt & Nichol	Other (Rail)	44-11834; H.012811.1	Railroad Inventory Systems Railroad Inventory Upgrade – Supplemental Agreement 1	\$21,602
Volkert	Bridge	44-25024; H.01551.8	Ridge Road Over Castor Creek	\$27,227
Volkert	Bridge	44-25024; H.015520	Collinsburg Creek over Collinsburg Creek	\$26,093
Volkert	Bridge	44-25024; H.015522	Barnette Road over Trib to Walnut Bayou	\$803
Volkert	Bridge	44-25024; H.015524	Self Road Over Dooley Canal	\$4,050
Volkert	Bridge	44-25024; H.015525	Bailey Town Road Over Little Corney Bayou	\$36,619
Volkert	Bridge	44-25024; H.015527	Hinds Road Over Wallace Bayou	\$57,691

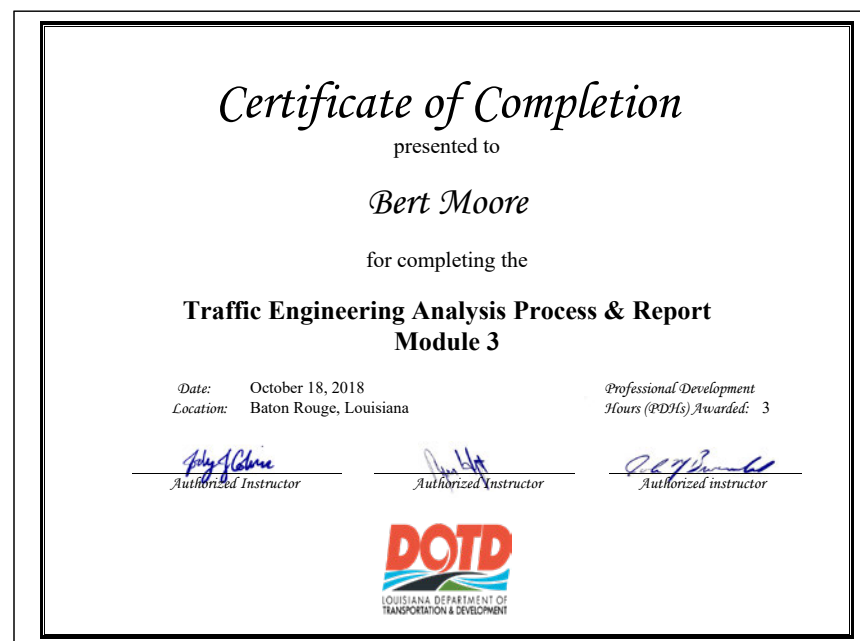
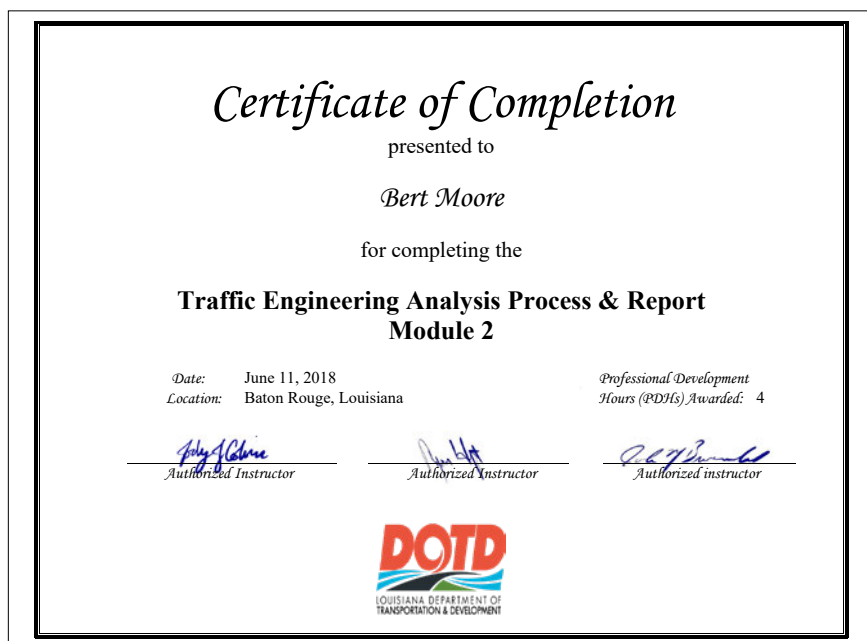
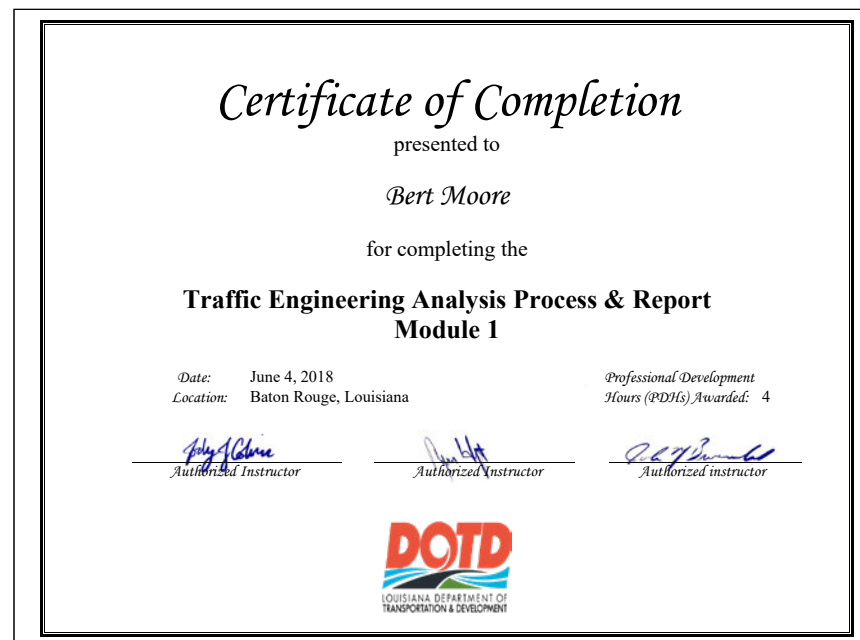
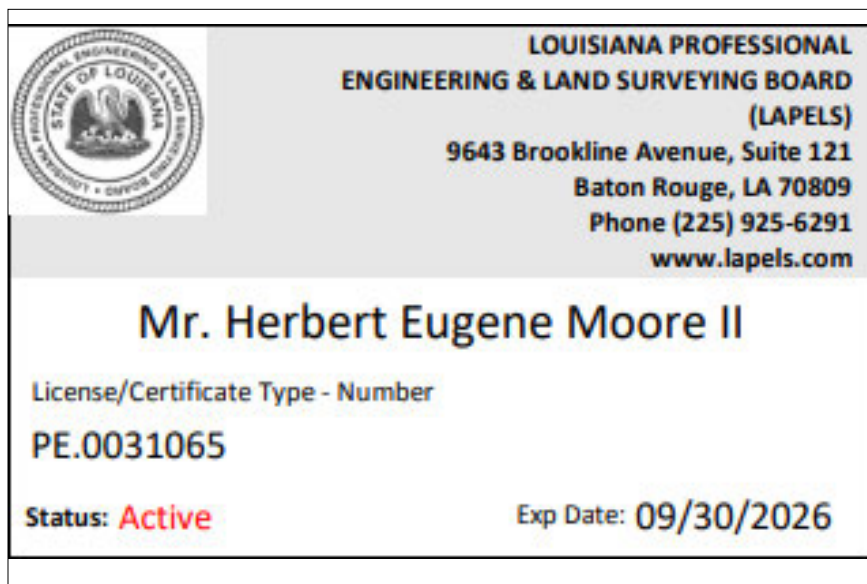
Volkert	Bridge	44-25024; H.015528	Courtney Road Over Dry Creek	\$420
Volkert	Bridge	44-25024; H.015529	Dorcheat Road Over Cow Branch	\$12,242
Volkert	Bridge	44-25024; H.015336	Marathon Road over Gray Creek	\$26,676
Volkert	CE&I/OV	44-16173; H.003370	I-220/I-20 Interchange Improvements & Barksdale AFB Access	\$369,146
Volkert	CE&I/OV	H.004791	LA 23: Belle Chasse Bridge and Tunnel Replacement (HBI)	\$2,860,993
Volkert	CE&I/OV	44-16980; H.013897	College Drive Flyover Ramp. I-10/I-12	\$356,240
Volkert	CE&I/OV	44-21740; H.004100.6	Phase I W. of Washington Street to Essen Lane (CE&I) Phase I Segment 01. W. of Washington Street to Acadian Thruway, Route I-18.	\$3,863,387
Volkert	CE&I/OV	44-26587; H.001779.6	Jimmie Davis Bridge (LA 511) (HBI) (Owner Verification Services) Route LA 511	\$6,297,601
Volkert	CE&I/OV	H.001234.6	LA 1: Leeville to Golden Meadow Phase 2 (CE&I) & SA 1 Fabrication Lafourche Parish (Subconsultant to ECM)	\$3,546,414
Volkert	CE&I/OV	H.011965.6	LA 47: IWGO Bridge Replacement (HBI) (CE&I), Orleans Parish - Subconsultant	\$314,908
Volkert	CE&I/OV	H.007811.6, H.000710.6, H.002273.7 and H.001352.6	Comite Diversion Canal CE&I and Utility Relocation, East Baton Rouge Parish, LA - Subconsultant	\$244,592
Volkert	CE&I/OV	H.0114225.6	Contract 44-26334 IDIQ Contract for Precast Prestress Concrete Fab Inspection, Task Order 9, LA 528 Clarke Bayou Bridge	\$14,124
Volkert	CE&I/OV	H.005967.6	Contract 44-26334 IDIQ Contract for Precast Prestress Concrete Fab Inspection, Task Order 10, Nelson Rd Ext & Bridge	\$47,845
Volkert	CE&I/OV	H.014217.6	Contract 44-26334 IDIQ Contract for Precast Prestress Concrete Fab Inspection, Task Order 11, LA 537 Bridges Near Plain Dealing	\$27,057
Volkert	CE&I/OV	H.010155.6	Contract 44-26334 IDIQ Contract for Precast Prestress Concrete Fab Inspection, Task Order 12, US 90 Railroad Overpass SE of LA 85	\$655,016
Volkert	CE&I/OV	H.014258.6	Contract 44-30226 LA 1: Port Allen Canal Bridge Replacement Ph2 HBI CEI	\$205,228
Volkert	CE&I/OV	H.003931.6	Contract 44-27349 Calcasieu River Bridge (HBI) (CE&I)	\$2,482,638

Volkert	Survey	44-31195	IDIQ Contract for Engineering and Inspection Services of State Regulated Dams with Majority of Work in Districts 04, 05, 08 and 58, Task Order 1	\$116,513
Volkert	Traffic	44-4787; H.009250	IMR I-10 Highland Road to LA 73	\$921,383

(Add rows as needed)

DO NOT SUM

20. Certifications





April 6, 2016

Mr. Bert Moore
Gresham Smith and Partners
10,000 Perkins Rowe
Suite 280
Baton Rouge, LA 70810

Subject: Trafficware Certification

Mr. Bert Moore,

Congratulations on your successful completion of Trafficware University certification requirements in our hardware, traffic management software, and traffic analysis/optimization software.

Please retain this letter to serve as an official document certifying that Mr. Bert Moore is fully certified in the operation and maintenance of all products manufactured and distributed by Trafficware Group, Inc.

Sincerely,





American Wick Drain Corporation
 1209 Airport Road
 Monroe, NC 28110
 PH: 800.242.9425
 FX: 704.296.0690

The individual named below attended the continuing education program as described.

Name:	Brennon Hughes	Registration #:	39985	State: LA
Organization:	Gresham Smith + Partners			
Address:	1000 Perkins Rowe Suite 280			
City / ST / Zip:	Baton Rouge, LA 70810			
Course Date:	5/15/2018			
Title Of Registered Course	Contact Hours	Provider Name	Format	Content Development Resources
Geocomposite Drains in Civil Design	1 hour	American Wick Drain Corporation	Lecture	
Covers Health, Safety and Welfare	Professional Development	Course Number	Grade Received (if exam used)	Material Resources
Yes	1 hour	AWD-007		PowerPoint Presentation
Learning Objectives: The attendee will learn the differences between conventional drainage design with pipe and how its performance compares to designing with geocomposites. The course will cover the history of geocomposites for drainage, the basic principles of drainage design, the installation methods and various drainage applications. Topics discussed will include soil permeability, soil weight and lateral earth pressure and the overall effect drainage has on the design approach. Applications discussed will include landscape area, planting beds, retaining walls, green roofs and sports fields. The appropriate product for each application will be presented for commonly encountered soil types in most geographical areas. Attendees should expect to understand basic drainage principles, and be able to choose and specify a geocomposite drainage design for most common civil design applications.				

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com
Mr. Richard Linton Savoie Jr. License/Certificate Type - Number PE.0020936 Status: Active Exp Date: 09/30/2026	



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ENGINEERING & LAND SURVEYING BOARD
(LAPELS)**

**8550 United Plaza Blvd, Suite 903
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com**

Mr. Ronnie Lee Robinson

License/Certificate Type - Number

PE.0024040

Status: **Active**

Expiration Date

03/31/2028

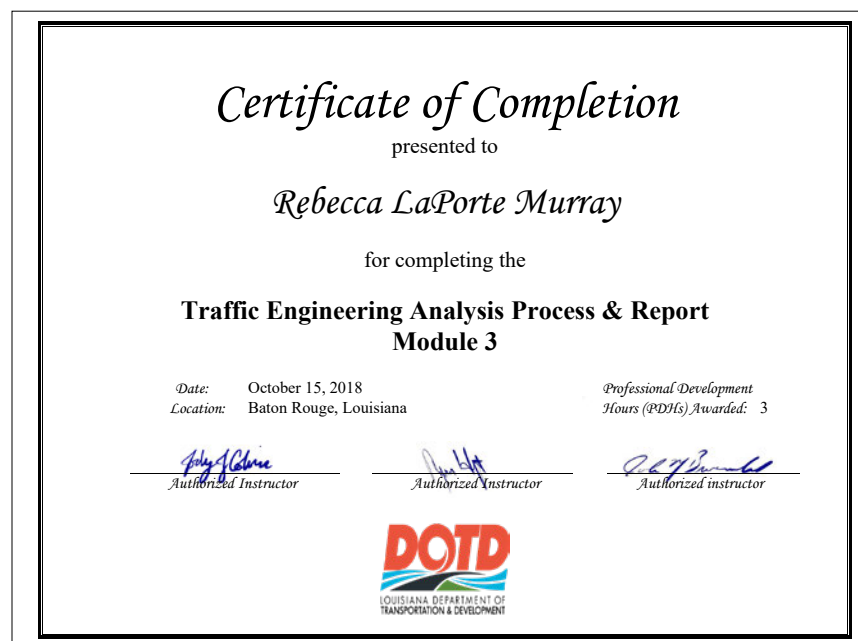
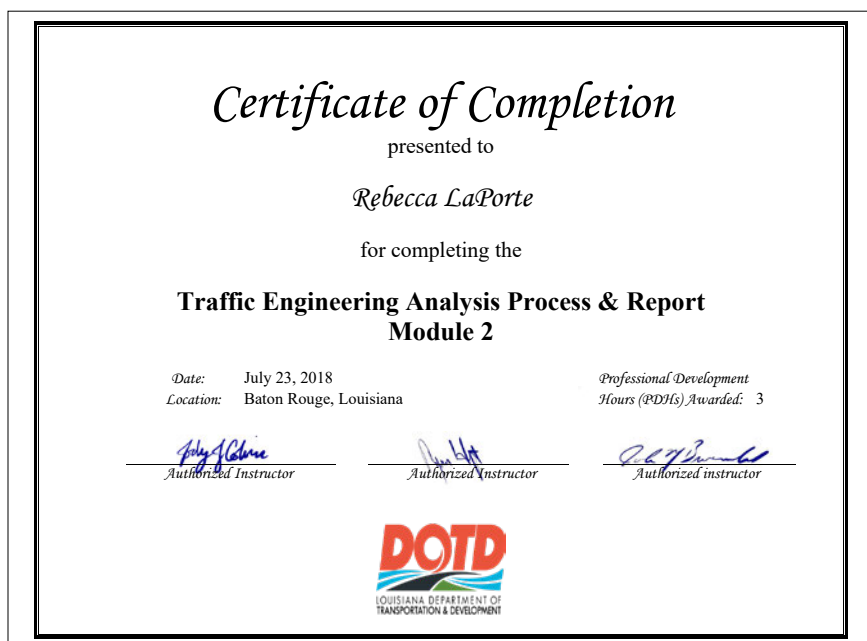
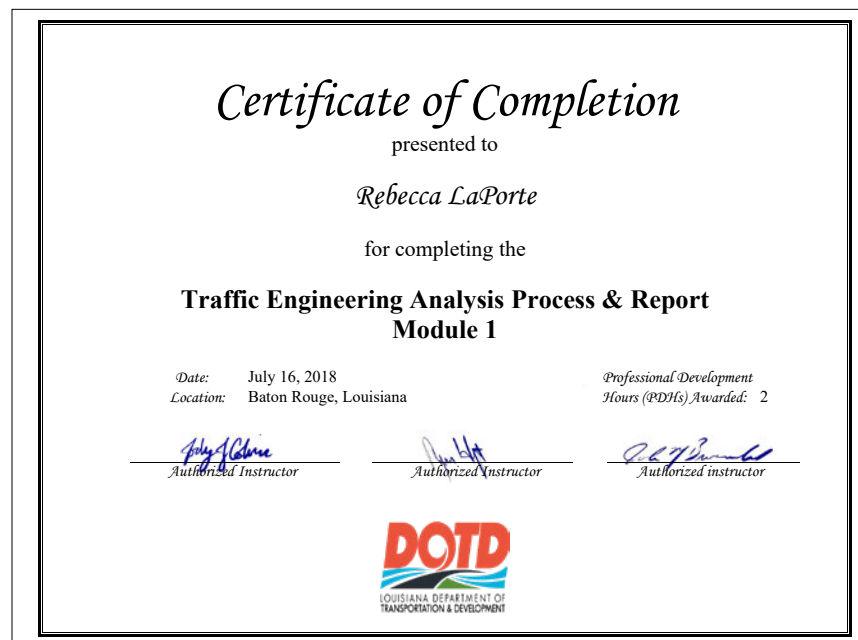
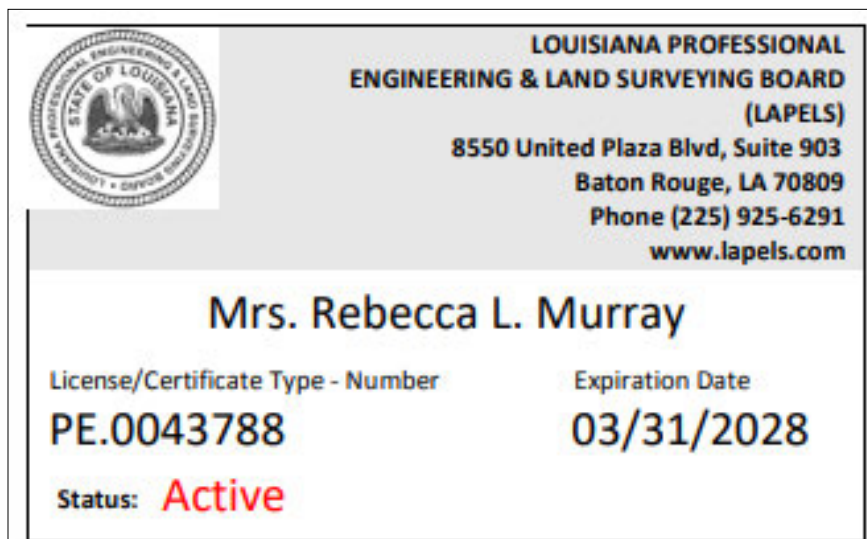
American Wick Drain Corporation
1209 Airport Road
Monroe, NC 28110
PH: 800.242.9425
FX: 704.296.0690

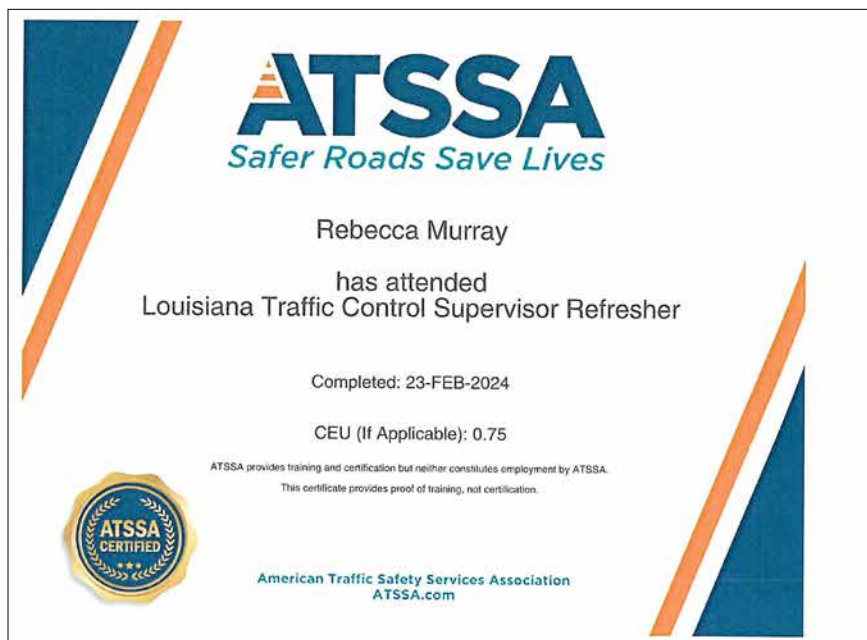
The individual named below attended the continuing education program as described.

Name:	Ronnie Robinson	Registration #:	24040	State: LA
Organization:	Gresham Smith + Partners			
Address:	1000 Perkins Rowe Suite 280			
City / ST / Zip:	Baton Rouge, LA 70810			
Course Date:	5/15/2018			
Title Of Registered Course	Contact Hours	Provider Name	Format	Content Development Resources
Geocomposite Drains in Civil Design	1 hour	American Wick Drain Corporation	Lecture	
Covers Health, Safety and Welfare	Professional Development	Course Number	Grade Received (if exam used)	Material Resources
Yes	1 hour	AWD-007		PowerPoint Presentation

Learning Objectives:

The attendee will learn the differences between conventional drainage design with pipe and how its performance compares to designing with geocomposites. The course will cover the history of geocomposites for drainage, the basic principles of drainage design, the installation methods and various drainage applications. Topics discussed will include soil permeability, soil weight and lateral earth pressure and the overall effect drainage has on the design approach. Applications discussed will include landscape area, planting beds, retaining walls, green roofs and sports fields. The appropriate product for each application will be presented for commonly encountered soil types in most geographical areas. Attendees should expect to understand basic drainage principles, and be able to choose and specify a geocomposite drainage design for most common civil design applications.







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

Mr. Alben Paul Cooper III

License/Certificate Type - Number
PE.0036291

Status: **Active** Exp Date: **09/30/2027**

Certificate of Completion
presented to
Alben Cooper
for completing the
**Traffic Engineering Analysis Process & Report
Module 1**

Date: February 25, 2019 Professional Development
Location: Bridge City, Louisiana Hours (PDHs) Awarded: 2


Authorized Instructor


Authorized Instructor


Authorized instructor


LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT

Certificate of Completion
presented to
Alben Cooper
for completing the
**Traffic Engineering Analysis Process & Report
Module 2**

Date: February 25, 2019 Professional Development
Location: Bridge City, Louisiana Hours (PDHs) Awarded: 3


Authorized Instructor


Authorized Instructor


Authorized instructor


LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT

Certificate of Completion
presented to
Alben Cooper
for completing the
**Traffic Engineering Analysis Process & Report
Module 3**

Date: February 26, 2019 Professional Development
Location: Bridge City, Louisiana Hours (PDHs) Awarded: 3


Authorized Instructor


Authorized Instructor


Authorized instructor


LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT



LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)
8550 United Plaza Blvd, Suite 903
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Logan Paul Michel

License/Certificate Type - Number

PE.0043970

Expiration Date

03/31/2028

Status: **Active**

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lpeels.com
	Mr. Ryan Michael Richard License/Certificate Type - Number PE.0033290 Status: Active Exp Date: 09/30/2027

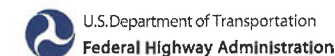


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(LAPELS)**
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Courtney Jermaine Rome

License/Certificate Type - Number
PE.0043355

Status: **Active** Exp Date: **09/30/2027**



Certificate of Training

Courtney J. Rome

has completed training in

-AASHTO LRFD Bridge Design Specifications (Zone 1 & 2)
**-Guide Specifications for LRFD Seismic Bridge Design
(SDC A & B)**

Location: Little Rock, Arkansas
Dates: April 9, 2014

Hours of Instruction (PDH): **4.5**
Continuing Education Units: **0.45**


Derrell Manceaux, P.E.
Senior Structural Engineer
Federal Highway Administration
Resource Center



National Highway Institute
Certificate of Training
COURTNEY ROME



has participated in

**FHWA-NHI-130056 Safety Inspection of In-Service Bridges
for Professional Engineers**

hosted by

LA DOTD/LTRC

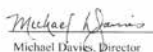
Date: May 13-17, 2019
Location: Baton Rouge, LA

Hours of Instruction: 34


Instructor


Instructor


Local Coordinator


Michael Davies, Director
National Highway Institute



National Highway Institute
Certificate of Training
Courtney Rome



has participated in

FHWA-NHI-132070 Drilled Shaft Foundation Inspection

hosted by

Arkansas Highway and Transportation Department

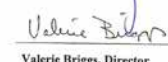
Date: June 6-8, 2017
Location: Little Rock, AR

Hours of Instruction: 14.0


Instructor


Instructor


Local Coordinator


Valerie Briggs, Director
National Highway Institute



National Highway Institute
Certificate of Training



Courtney Rome

has participated in

FHWA-NHI-135095

Two-Dimensional Hydraulic Modeling of Rivers at Highway Encroachments

hosted by

Arkansas State Highway & Transportation Department

Date: November 15-17, 2016

Hours of Instruction:

Location: Little Rock, AR

Each Day of Training = 7 Hours

Instructor

Local Coordinator

Instructor

Valerie Briggs, Director
National Highway Institute

CERTIFICATE OF ATTENDANCE

FTN ASSOCIATES, LTD.

Certifies that

Courtney Rome

of the Arkansas State Highway and Transportation Department
Little Rock, AR

Attended the 2-Hour Course

Overview of 1D and 2D Unsteady Flow Modeling

on

June 19, 2014



FTN Associates, Ltd.
3 Innwood, Suite 220
Little Rock, AR 72211
(501) 225-7779

Marc Johnson, PE, CFM
Instructor

Certificate of Completion

This is to certify that

Courtney Rome

has successfully completed the presentation entitled,

Evaluation of Analysis Methods and Midas Civil Software

Adam Hall

July 27, 2016

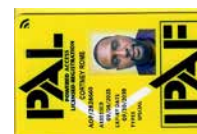
2 Professional Development Hours



09/28/2016

Authorized Signature

Date



Operator Training Certificate

This is to certify that

CORTNEY ROME

has successfully achieved the high standards required for the operation of the following
aerial work platforms

ASPEN 30 UNDERBRIDGE UNIT (SPECIAL)

Certificate No:

AOP/2828660

Date Assessed:

09/08/2025

Expiry Date:

09/30/2030

Signed on behalf of the
International Powered Access Federation

Training Center where the course was conducted

AMP Sales and Services LLC



The world authority in powered access
Training needs or website: www.ipaf.org
IPAF is a not-for-profit organization.
IPAF cards were formerly issued by AWP/100, in the UK and Canada.
Warning: This certificate must always be kept as a record of training.
Only a current IPAF Card provides proof of training and identity.



Certificate of Training

this certifies that
Courtney Rome
 has successfully completed

MASH Criteria Training
 Presented by Trinity Highway Product and Gulf Material Sales
 on April 13, 2016 in Little Rock Arkansas

Professional Development Hours (PDH) – 2

Signed: Chuck Boyd Date: 4-13-16
 Chuck Boyd, P.E.

SUNBELT RENTALS	
CERTIFICATE OF TRAINING This Certifies that Courtney Rome of Gresham Smith Has attended Mobile Elevating Work Platform Operator Training MEWP's Trained on: ANSI MEWP Operator Boom Lifts 3b, Scissor Lifts 3a Trainer: Julio Torres Date of Training: 3/18/2022 Expires 5 Years from Above Date	CERTIFICATE OF TRAINING This Certifies that Courtney Rome of Gresham Smith Has attended Mobile Elevating Work Platform Operator Training MEWP's Trained on: ANSI MEWP Operator Boom Lifts 3b, Scissor Lifts 3a Trainer: Julio Torres Date of Training: 4/18/2022 Expires 5 Years from Above Date

As holder of this card, I pledge to follow all ANSI A82 standards for the safe operation lifts and any other applicable safety guidelines for construction and industry as well as:

1. Read and Familiarize myself with all manuals for each AWP.
2. Conduct a Prestart inspection before each day or before each work shift.
3. Ensure operators are trained.
4. Perform a Workplace Inspection.
5. Ensure that before each movement or repositioning of the lift.

The AWP is operated on a surface within the limits specified by the manufacturer.
 Outriggers, extendible outriggers, or other stability enhancing means are used as required by the manufacturer.
 Guards are installed and access gates or openings are closed per the manufacturer's instructions.
 The load and its distribution on the platform are in accordance with the manufacturer's rated capacity.
 There is adequate overhead clearance.
 Maintain the Minimum Safe Approach Distance (MSAD) from energized power lines.
 All PPE is worn including a personal harness and lanyard attached to the manufacturer's anchorage point.
 6. Follow all manufacturer's warnings and instructions.

Mead & Hunt

In cooperation with the Louisiana Department of Transportation & Development presents this

Certificate of attendance and participation for:

Courtney Rome

Training Course:
 Maintenance and Rehabilitation of Historic Bridges

Transportation Training and Education Center
 4099 Goumier Avenue, Room 175
 Baton Rouge, Louisiana 70808

Please select the date you attended the course:

☐ Tuesday, May 1, 2018
☒ Wednesday, May 2, 2018

You have earned 8 PDH units that can be applied to applicable continuing education requirements for professional engineering licensure.

Amy Squitieri
 Mead & Hunt Instructor
 Amy Squitieri

John A. Rutledge
 Mead & Hunt Instructor
 John A. Rutledge, PE, SE

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

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

on the following date

APR 30, 2025

This certificate is valid for 30 days from completion date

with a government issued photo ID.

Verify this certificate against the information online use the code below to view certificates

191-57-126614

Enter the code to verify this certificate is an original at

<https://process.onlineflagger.com/duplicate>

ATSSA Serial Number will show here once we process your card. Please check back here in a few days if there is no number listed below.





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Phone (225) 925-6291
www.lapels.com

Mr. Jackson Tipton Hartley

License/Certificate Type - Number Expiration Date
PE.0051317 **09/30/2026**

Status: Active



PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT

Jackson Hartley
has attended
Traffic Control Supervisor-LA State Specific
Training Course

8/3/2022 to 8/3/2026
Training Valid Through

Baton Rouge, LA
Location

Longoria
Director of Training

Alan Torrez
President, CEO

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



American Traffic Safety Services Association ATSSA.com



National Highway Institute



Certificate of Training

JACKSON HARTLEY

has Successfully Completed

FHWA-NHI-130055

Safety Inspection of In-Service Bridges

hosted by
LA DOTD/LTRC

Date: May 15-26, 2023 Hours of Instruction: 67
Location: Baton Rouge, LA

Robert L. K...
Instructor

Allison H. Landry
Local Coordinator

Stacey J. Caston
Stacey J. Caston, Acting Director
National Highway Institute



CERTIFICATE OF TRAINING

This Certifies that
Jackson Hartley
of
Gresham Smith

Has attended Mobile Elevating Work
Platform Operator Training

MEWP's Trained on:
ANSI MEWP Operator Boom Lifts 3b,
Scissor Lifts 3a

Trainer:
Julio Torres
Date of Training:
3/18/2022
Expires 5 Years from Above Date



CERTIFICATE OF TRAINING

This Certifies that
Jackson Hartley
of
Gresham Smith

Has attended Mobile Elevating Work
Platform Operator Training

MEWP's Trained on:
ANSI MEWP Operator Boom Lifts 3b,
Scissor Lifts 3a

Trainer:
Julio Torres
Date of Training:
4/18/2022
Expires 5 Years from Above Date

As holder of this card, I pledge to follow all ANSI A92 standards for the safe operation lifts and any other applicable safety guidelines for construction and industry as well as:

1. Read and Familiarize myself with all manuals for each lift.
2. Conduct a Pre-lift Inspection before each day or before each work shift.
3. Ensure operators are trained.
4. Perform a Workplace Inspection.
5. Ensure that before each movement or repositioning of the lift:

The AWP is operated on a surface within the limits specified by the manufacturer.
Outriggers, extendible sales or other stability enhancing means are used as required by the manufacturer.
Guardrails are installed and access gates or openings are closed per the manufacturer's instructions.
The load and its distribution on the platform are in accordance with the manufacturer's rated capacity.
There is adequate overhead clearance.
Maintain the Minimum Safe Approach Distance (MSAD) from energized power lines.
All PPE is worn including a personal harness and lanyard attached to the manufacturer's anchorage point.
6. Follow all manufacturer's Warnings and Instructions.



Certificate of Attendance

Yun Lin

has participated in

AASHTOWare Bridge Rating Fundamentals Training

hosted by

LA DOTD/LTRC

Date: August 1st-2nd, 2017
 Location: Baton Rouge, Louisiana

Professional Development
 Hours (PDHs) Awarded: 12

Herman Lee
 Herman Lee, P.E., PMP
 Michael Baker International

Michael S. Pichura
 Michael S. Pichura, P.E.
 Michael Baker International





Georgia Professional Engineers and Land Surveyors Board

Public Lookup

Search

Timothy James Dow

License Information

License Information

License Information		
License Type	License No	License Status
Professional Engineer	PE043940	Active
Issue Date	Expiration Date	Date of Last Renewal
12/05/2018	12/31/2026	12/01/2025



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

← Cut Here

Mr. Thong Quang Tran

License/Certificate Type - Number	Expiration Date
PE.0032072	03/31/2028
Status: Active	

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

→ old Here



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

← Cut Here

Mr. Donald Lee McCrary

License/Certificate Type - Number	Expiration Date
PE.0048452	03/31/2028
Status: Active	

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

Fold Here →



Commerce and Insurance Verify

← Details for DAVIDSON, ADAM SCOTT Sections

• Retrieved on 02/02/2026 12:29 noon

License details for the selected record.

Summary

License 110436 Professional Engineer A&E Engineer Architects and Engineers	Status Active
Expiration Date 01/31/2028	Original Licensure Date 01/08/2008

Contact Information

Main Address MOUNT JULIET, Tennessee 37122 Wilson, United States	Place of Employment NASHVILLE, Tennessee 37201 Davidson, United States
--	--

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Department of Commerce & Insurance

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LICENSEE DETAILS 9:11:18 AM 3/19/2025

Licensure Information

Name:	LIU, JIN (Primary Name)
Main Address:	2917 HOLLY POINTE COURT MARIETTA Georgia 30062
County:	OUT OF STATE

License Information

License Type:	Professional Engineer
Rank:	Prof Engineer
License Number:	83501
Status:	Current/Active
Licensure Date:	07/20/2017
Expires:	02/28/2027

Special Qualifications

Qualification Effective	07/20/2017
-------------------------	------------

Alternate Names

--

[View Related License Information](#)
[View License Complaint](#)

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 The State of Florida is an AA/EEO employer. Copyright ©2023 Department of Business and Professional Regulation - State of Florida. [Privacy Statement](#)

Under Florida law, email addresses are public records. If you do not want your email address released in response to a public-records request, do not send electronic mail to this entity. Instead, contact the office by phone or by traditional mail. If you have any questions, please contact 850.487.1395. *Pursuant to Section 455.275(1), Florida Statutes, effective October 1, 2012, licensees licensed under Chapter 455, F.S. must provide the Department with an email address if they have one. The email provided may be used for official communication with the licensee. However email addresses are public record. If you do not wish to supply a personal address, please provide the Department with an email address which can be made available to the public. Please see our [Chapter 455](#) page to determine if you are affected by this change.

TN

Commerce and Insurance Verify

←

Details for LOVETT, ROBIN E

Sections

• Retrieved on 10/21/2025 01:38 PM

License details for the selected record.

Summary

License

22275

Professional Engineer

A&E Engineer

Architects and Engineers

Status

Active

Expiration Date

07/31/2027

Original Licensure Date

07/13/1991

Contact Information

Main Address

NASHVILLE, Tennessee 37201

Davidson, United States

Place of Employment

NASHVILLE, Tennessee 37201

Davidson, United States

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Department of Commerce & Insurance

To Visit Us

PE Roster

Public Information Act Changes:
Please note, effective September 1, 2023, all mailing addresses and phone numbers of individual professional engineer licensees, engineers-in-training, professional land surveying registrants, and surveyors-in-training are being removed from the Board's published roster in order to comply with the requirements of [Tennessee Bill 110 \(2023 Senate Session\)](#). This information, in addition to individual's e-mail addresses, is no longer disclosable under the Public Information Act. The Board appreciates your understanding as it complies with these Legislative-mandated changes to the Public Information Act.

Search our roster of Professional Engineers (PEs).

This roster only lists PEs who have a renewable license. Once a PE license has been expired for 2 or more years it becomes non-renewable and will not be listed on the roster. Names are listed as last, first middle suffix and ordered alphabetically by last name.

Additional Rosters:

[PE Roster](#)

[EIT Roster](#)

[Firm Roster](#)

Roster Download:

[PE Roster \(PDF/CSV\)](#)

Valid for active engineering:

• Active:

License is current and valid.

Not valid for active engineering:

• Delinquent:

Renewal is past due.

• Expired 90 Days:

License has been expired for 90 or more

Search for a licensed PE

PE Number:

140495

Branch:

Select one

Last Name:

First Name:

Employer:

Expiration:

Select date

Status:

Select one

Search

Clear X

TN

Commerce and Insurance Verify

←

Details for Park, Ruth Maria

Sections

Summary

License

126968

Professional Engineer

A&E Engineer

Architects and Engineers

Status

Active

Expiration Date

10/31/2026

Original Licensure Date

10/24/2022

Contact Information

Main Address

HERMITAGE, Tennessee 37076

Davidson, United States

Modifiers

Other

Civil Engineering

MISSISSIPPI

Board of Licensure for Professional Engineers and Surveyors

Find Licensee

Contact Us

Licensee Details

Name:

Ms Rachel Elizabeth Klein

Address:

Brandon, MS 39047

County:

Rankin

Phone:

601-906-7072

Email:

rachel.westerfield@greshamsmith.com

Employer:

Gresham Smith

Enrollment Type:

Engineer Intern

Enrollment Number:

0704

Initial Enrollment Date:

12/12/2002

Expires on:

Never

License Status:

Active

License Type:

Professional Engineer

License Number:

18010

Initial License Date:

06/11/2007

Expires on:

12/31/2027

License Status:

Active

MISSISSIPPI

gov

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Gresham Smith



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

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

Mr. Julian Van Bordelon

License/Certificate Type - Number
PE.0047473

Status: **Active**

Exp Date: **09/30/2027**

Certificate of Completion

presented to

Julian Bordelon

for completing the

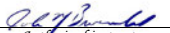
Traffic Engineering Analysis Process & Report Module 1

Date: July 1, 2019
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 2.5


 Authorized Instructor


 Authorized Instructor


 Authorized instructor



DOTD
LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Julian Bordelon

for completing the

Traffic Engineering Analysis Process & Report Module 2

Date: July 1, 2019
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 3.5


 Authorized Instructor


 Authorized Instructor


 Authorized instructor



DOTD
LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Julian Bordelon

for completing the

Traffic Engineering Analysis Process & Report Module 3

Date: July 2, 2019
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 3.5

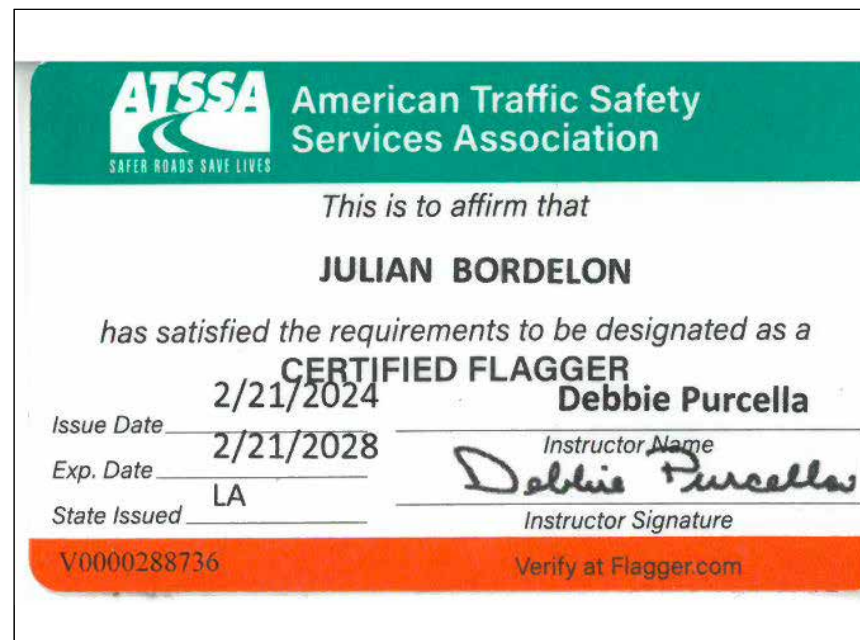

 Authorized Instructor


 Authorized Instructor


 Authorized instructor



DOTD
LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT





Sections

• Retrieved on 07/30/2025 08:10 AM

License details for the selected record.

Summary

License 127387 Professional Engineer A&E Engineer Architects and Engineers	Status Active
Expiration Date 07/31/2027	Original Licensure Date 07/11/2023

Contact Information

Main Address
FRANKLIN, Tennessee 37064
Williamson, United States

Modifiers

Other
Civil Engineering

TN

Commerce and Insurance Verify

←

Details for Neal, Houston H

ⓘ

Retrieved on 02/25/2026 09:24 AM

License details for the selected record.

Summary

License 117912 Professional Engineer A&E Engineer Architects and Engineers	Status Active	Expiration Date 06/30/2027
Original Licensure Date 06/04/2015		

Contact Information

Main Address LEBANON, Tennessee 37090 Wilson, United States	Place of Employment NASHVILLE, Tennessee 37201 Davidson, United States
---	--

TN

Commerce and Insurance Verify

←

Details for NEAL, HOUSTON H

Sections

• Retrieved on 10/23/2025 11:11 AM

License details for the selected record.

Summary

License 117912 Professional Engineer A&E Engineer Architects and Engineers	Status Active
Expiration Date 06/30/2027	Original Licensure Date 06/04/2015

Contact Information

Main Address LEBANON, Tennessee 37090 Wilson, United States	Place of Employment NASHVILLE, Tennessee 37201 Davidson, United States
---	--

Modifiers

Other
Civil Engineering

• Retrieved on 05/14/2026 01:19 PM

License details for the selected record.

Summary

License 133920 Professional Engineer A&E Engineer Architects and Engineers	Status Active
Expiration Date 01/31/2028	Original Licensure Date 01/29/2026

Contact Information

Main Address
MARIETTA, Georgia 30066
Cobb, United States

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6/5/25, 2:26 PM

DBPR - ALSHARIF, FADI, Professional Engineer

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LICENSEE DETAILS

3:26:21 PM 6/5/2025

Licensee Information

Name:	ALSHARIF, FADI (Primary Name)
Main Address:	2309 SPOONWOOD DR TALLAHASSEE Florida 32303
County:	LEON

License Information

License Type:	Professional Engineer
Rank:	Prof Engineer
License Number:	84483
Status:	Current,Active
Licensure Date:	01/19/2018
Expires:	02/28/2027

Special Qualifications

Qualification Effective

Civil	01/19/2018
-------	------------

Alternate Names

[View Related License Information](#)
[View License Complaint](#)

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PROFESSIONAL LICENSING

GEORGIA SECRETARY OF STATE BRAD RAFFENSPERGER

CORPORATIONS • ELECTIONS • LICENSING • CHARITIES

Licensee Details

Licensee Information

Name: Ryan Douglas Horn

Address:

Atlanta GA 30328

Primary Source License Information

Lic #:

EIT028076

Secondary:

6/21/2019

Issued:

6/21/2019

Profession: Engineers / Land Surveyors

Method: Examination

Expires:

Type: Engineer In-Training

Status: Active

Last Renewal Date:

Associated Licenses

No Prerequisite Information

Public Board Orders

Please see Documents section below for any Public Board Orders

Other Documents

No Other Documents

Data current as of: September 30, 2024 15:44:20

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9/19/24, 2:20 PM

Commercial - Search

**State of
Louisiana
Secretary of
State**



COMMERCIAL DIVISION
225.925.4704

Fax Numbers

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

Name	Type	City	Status
GRESHAM SMITH	Partnership (Non-Louisiana)	OFFICE: NASHVILLE, TENNESSEE	Active

Previous Names

GRESHAM, SMITH AND PARTNERS (Changed: 9/27/2018)

Business: GRESHAM SMITH

Charter Number: 36123793L

Registration Date: 2/17/2006

Domicile Address

DOMICILE: TENNESSEE

OFFICE: NASHVILLE, TENNESSEE

Mailing Address

222 SECOND AVENUE SOUTH

SUITE 1400

NASHVILLE, TN 37201

Principal Business Office

222 SECOND AVENUE SOUTH

SUITE 1400

NASHVILLE, TN 37201

Registered Office in Louisiana

Principal Business Establishment in Louisiana

10000 PERKINS ROWE, SUITE G280

BATON ROUGE, LA 70810

Status

Status: **Active**

Registered: 2/17/2006

Last Report Filed: 2/29/2024

Type: Partnership (Non-Louisiana)

Registered Agent(s)

Agent: NATIONAL REGISTERED AGENTS, INC.

Address 1: 3867 PLAZA TOWER DR.

City, State, Zip: BATON ROUGE, LA 70816



SCOPE OF AASHTO ACCREDITATION FOR:

Ardaman & Associates, Inc.
in Baton Rouge, Louisiana, USA

Quality Management System

Standard:	Accredited Since:
R18 Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	11/09/2009
C1077 (Aggregate) Laboratories Testing Concrete and Concrete Aggregates	09/17/2021
C1077 (Concrete) Laboratories Testing Concrete and Concrete Aggregates	09/17/2021
D3740 (Soil) Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	12/26/2013

Page 1 of 4

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SCOPE OF AASHTO ACCREDITATION FOR:

Ardaman & Associates, Inc.
in Baton Rouge, Louisiana, USA

Soil

Standard:	Accredited Since:
T288 Minimum Soil Resistivity	01/31/2019
D421 Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	11/09/2009
D422 Particle Size Analysis of Soils by Hydrometer	11/09/2009
D698 The Moisture-Density Relations of Soils Using a 5.5 lb (2.5 kg) Rammer and a 12 in. (305 mm) Drop	06/16/2016
D654 Specific Gravity of Soils	02/14/2012
D1140 Amount of Material in Soils Finer than the No. 200 (75-µm) Sieve	02/14/2012
D1557 Moisture-Density Relations of Soils Using a 10 lb (4.54 kg) Rammer and an 18 in. (457 mm) Drop	06/16/2016
D2166 Unconfined Compressive Strength of Cohesive Soil	06/16/2016
D2216 Laboratory Determination of Moisture Content of Soils	11/09/2009
D2434 Permeability of Granular Soils (Constant Head)	04/27/2022
D2435 One-Dimensional Consolidation Properties of Soils Using Incremental Loading	02/14/2012
D2487 Classification of Soils for Engineering Purposes (Unified Soil Classification System)	12/26/2013
D2488 Description and Identification of Soils (Visual-Manual Procedure)	12/26/2013
D2850 Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	02/14/2012
D2937 Density of Soil in Place by the Drive-Cylinder Method	01/31/2019
D2974 Determination of Organic Content in Soils by Loss on Ignition	02/14/2012
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	11/09/2009
D4318 Plastic Limit of Soils (Atterberg Limits)	11/09/2009
D4843 Determination of Water (Moisture) Content of Soil by Microwave Oven Heating	01/31/2019
D4972 pH Testing of Soils	12/26/2013
D5084 Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter	12/26/2013
D6913 Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	04/27/2022
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	01/31/2019

Page 2 of 4

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SCOPE OF AASHTO ACCREDITATION FOR:

Ardaman & Associates, Inc.
in Baton Rouge, Louisiana, USA

Aggregate

Standard:	Accredited Since:
C117 Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	01/31/2019
C127 Specific Gravity and Absorption of Coarse Aggregate	09/17/2021
C128 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	09/17/2021
C136 Sieve Analysis of Fine and Coarse Aggregates	01/31/2019
C566 Total Moisture Content of Aggregate by Drying	01/31/2019
C702 Reducing Samples of Aggregate to Testing Size	01/31/2019
D75 Sampling Aggregate	01/31/2019

Page 3 of 4

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SCOPE OF AASHTO ACCREDITATION FOR:

Ardaman & Associates, Inc.
in Baton Rouge, Louisiana, USA

Concrete

Standard:	Accredited Since:
C31 (Cylinders) Making and Curing Concrete Test Specimens in the Field	09/17/2021
C39 Compressive Strength of Cylindrical Concrete Specimens	09/17/2021
C136 Density (Unit Weight), Yield, and Air Content of Concrete	09/17/2021
C143 Slump of Hydraulic Cement Concrete	09/17/2021
C172 Sampling Freshly Mixed Concrete	09/17/2021
C231 Air Content of Freshly Mixed Concrete by the Pressure Method	09/17/2021
C511 Moist Contents, Moist Rooms, and Water Storage Tanks Used in the Testing of Hydraulic Cements and Concretes	01/15/2022
C1064 Temperature of Freshly Mixed Portland Cement Concrete	09/17/2021
C1231 (6000 psi and below) Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	09/17/2021

Page 4 of 4

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STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

It hereby granting a Louisiana Environmental Laboratory Accreditation to

Ardaman & Associates Inc
316 Highlandia Dr
Baton Rouge, Louisiana 70810-5904

Agency Interest No. 30726
Activity No. ACC20250001



According to the Louisiana Administrative Code, Title 33, Part I, Subpart 3, LABORATORY ACCREDITATION, the State of Louisiana formally recognizes that this laboratory is technically competent to perform the environmental analyses listed on the scope of accreditation detailed in the attachment.

The laboratory agrees to perform all analyses listed on this scope of accreditation according to the Part I, Subpart 3 requirements and acknowledges that continued accreditation is dependent on successful ongoing compliance with the applicable requirements of Part I. Please contact the Department of Environmental Quality, Louisiana Environmental Laboratory Accreditation Program (LELAP) to verify the laboratory's scope of accreditation and accreditation status.

Accreditation by the State of Louisiana is not an endorsement or a guarantee of validity of the data generated by the laboratory. Accreditation of the environmental laboratory does not imply that a product, process, system, or person is approved by LELAP. To be accredited initially and maintain accreditation, the laboratory agrees to participate in two single-blind, single-concentration PT studies, where available, per year for each field of testing for which it seeks accreditation or maintains accreditation as required in LAC 33:14711.



Tonya Landry
Administrator
Public Participation and Permit Support Division

Issued Date: 6/12/2025
Effective Date: July 1, 2025
Expiration Date: June 30, 2026
Certificate Number: 02052

has the following information on file:

Ms. Megan G. Bourgeois
316 Highlandia Drive
Baton Rouge, Louisiana 70810

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

Effective Date: July 1, 2025

316 Highlandia Dr, Baton Rouge, Louisiana 70810-5904

Ardayan & Associates Inc
Air Number: 30762
Activity No. ACC20230001
Expiration Date: July 30, 2026

Certificate Number: 02052

Air Emissions

Activity	Method Name	Method Code	Type	Air
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Non Potable Water

Activity	Method Name	Method Code	Type	Air
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Solid Chemical Materials

Activity	Method Name	Method Code	Type	Air
1730 - Amount Of Soil Finer Than The No. 200 Sieve	ASTM D1140	3550	AASHTO	AAP
1731 - Laboratory Compaction Of Soils (Proctor Density)	ASTM D1557	3551	AASHTO	AAP
1731 - Laboratory Compaction Of Soils (Proctor Density)	ASTM D698	3561	AASHTO	AAP
1732 - Unconfined Compressive Strength Of Soil	ASTM D2166	3552	AASHTO	AAP
1734 - Classification Of Soils For Engineering Purposes (Unified Soil Classification System)	ASTM D2487	3554	AASHTO	AAP
1735 - Soil Classification Visual - Manual (Field)	ASTM D2488	3555	AASHTO	AAP
1736 - Unconsolidated, Undrained Triaxial Compression	ASTM D2850	3556	AASHTO	AAP
1738 - Particle Size Analysis Of Soils	ASTM D422-63 (7)	3000854	AASHTO	AAP
1739 - Atterberg Limits of Soils	ASTM D4318	3559	AASHTO	AAP
1740 - Liquid Limit	ASTM D4318	3559	AASHTO	AAP
1741 - Plastic Limit	ASTM D4318	3559	AASHTO	AAP
1742 - Plasticity Index	ASTM D4318	3559	AASHTO	AAP
1743 - Specific Gravity Of Soils	ASTM D854	3562	AASHTO	AAP
1744 - Hydraulic Conductivity (Flexible Wall Permeameter)	ASTM D5096	3563	AASHTO	AAP
1900 - pH	ASTM D4972	3560	AASHTO	AAP
1919 - Hydraulic Conductivity	ASTM D2434	3834	AASHTO	AAP
1924 - In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	ASTM D6938	3854	AASHTO	AAP
2073 - Dry Preparation of Samples	ASTM D421	3972	AASHTO	AAP
2086 - One-Dimensional Consolidation Properties of Soils	ASTM D2435	3994	AASHTO	AAP
2439 - Hydraulic Conductivity (granular material)	ASTM D2434	3834	AASHTO	AAP
2644 - Particle Size Distribution	ASTM D6913	4124	AASHTO	AAP
3830 - Moisture content	ASTM D2214-10	20025106	AASHTO	AAP
7987 - Organic Content of Soil by Ignition	ASTM D2974-07A	30026430	AASHTO	AAP

Clients and Customers are urged to verify the laboratory's current certification status with the Louisiana Environmental Laboratory Accreditation Program.
Page 1 of 1



LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)
8550 United Plaza Blvd, Suite 903
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Cut Here

Ms. Megan G. Bourgeois

License/Certificate Type - Number

Expiration Date

PE.0036725

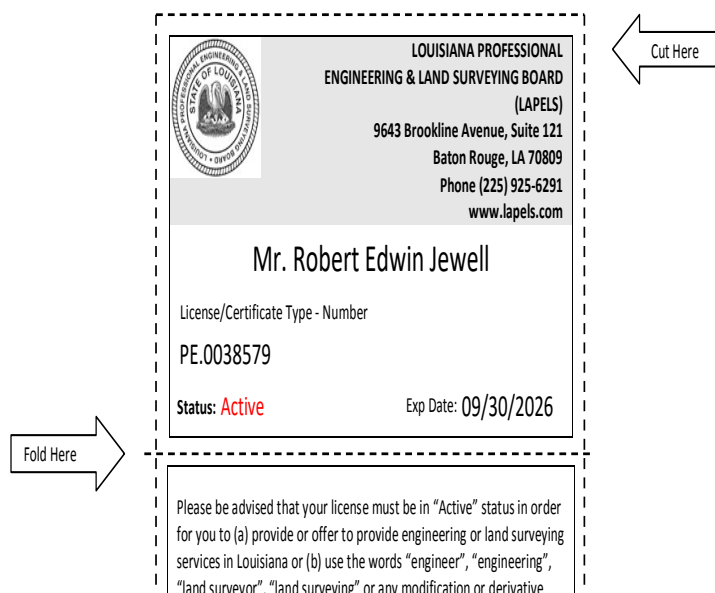
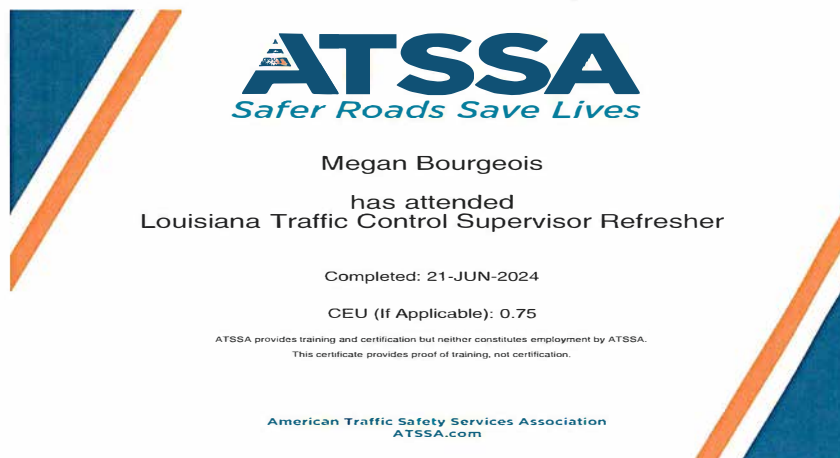
03/31/2028

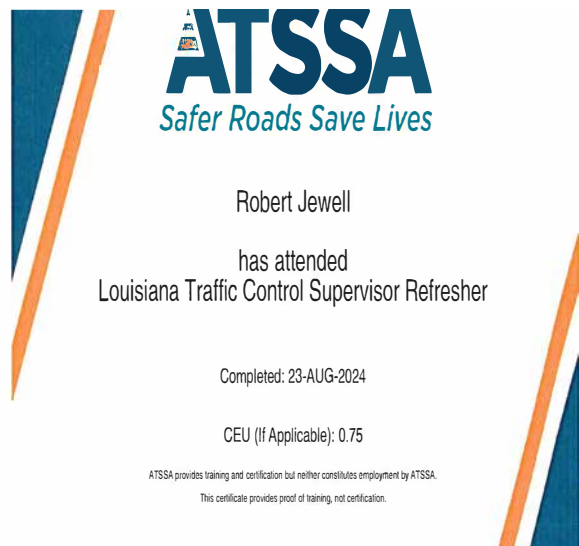
Status: **Active**

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

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

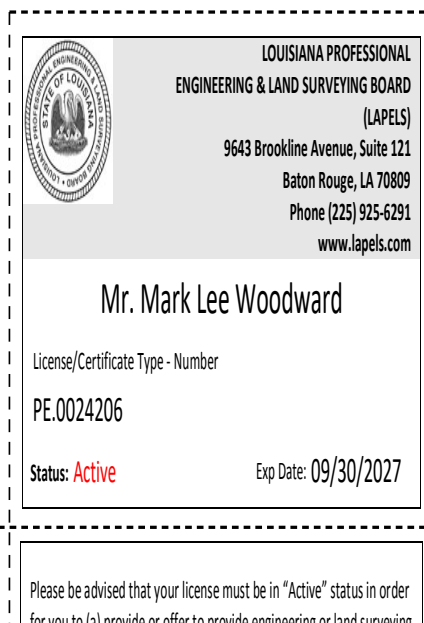
Print and keep the following information for your record or verification. The pocket card may also be printed on card stock or laminated to keep with you as license/certificate verification.





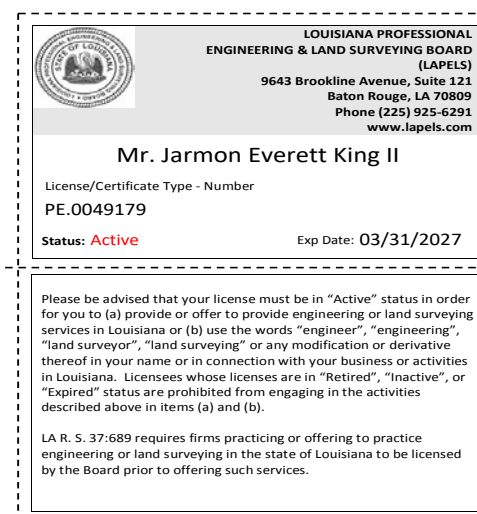
Dual Laminate:

on front of card



Cut Here

Mr. Jarmon Everett King II
316 Highlandia Drive
Baton Rouge, Louisiana 70802



Cut Here

Fold Here



I with Dual Laminate:

if over and place front of card
on into clear panel.



Back

Back

Back

Back



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





minute:



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





LOUISIANA

SECRETARY OF STATE

NANCY LANDRY



HOME

Key Certifications and Certified Copies

Subscribers to Electronic Notifications

Print Detailed Record

Name	Type	City	Status
ARDAMAN & ASSOCIATES, INC.	Business Corporation (Non-Louisiana)	ORLANDO	Active

Previous Names

Business:

Charter Number:

Registration Date:

Corporate Address

8508 SOUTH ORANGE AVENUE

ORLANDO, FL 32809

Mailing Address

3475 E. Foothill Blvd

PHILADELPHIA, PA 19107

Principal Business Office

8508 SOUTH ORANGE AVENUE

ORLANDO, FL 32809

Registered Office in Louisiana

3857 PLAZA TOWER DR.

BATON ROUGE, LA 70816

Principal Business Establishment in Louisiana

318 HIGHLAND DR

BATON ROUGE, LA 70816

Status

Active

Annual Report Status:

In Good Standing

Qualified:

12/13/1991

Last Report Filed:

11/13/2025

Type:

Business Corporation (Non-Louisiana)

Registered Agent(s)

Agent:

C T CORPORATION SYSTEM

Address 1:

3857 PLAZA TOWER DR.

City, State, Zip:

BATON ROUGE, LA 70816

Appointment Date:

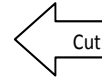
12/13/1991

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

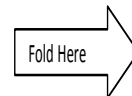
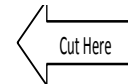
Name: Ardman & Associates, Inc.
Public Address: 8508 South Orange Avenue

License/Certificate Information w/ Supervision

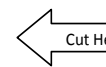
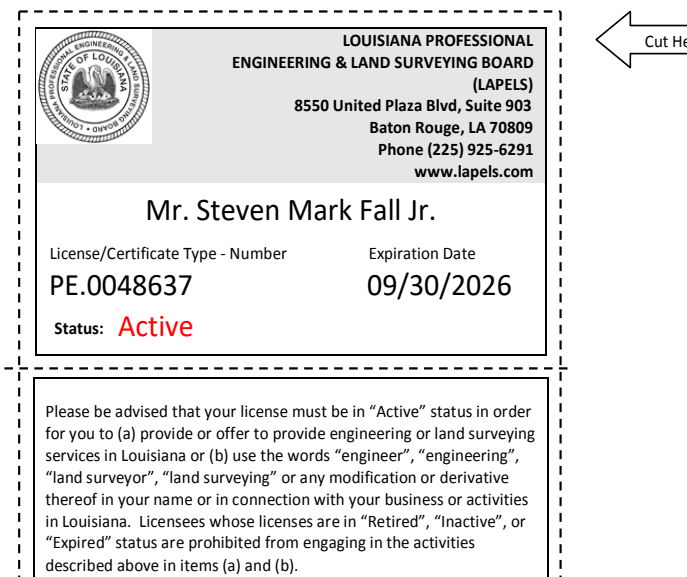
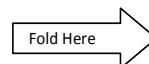
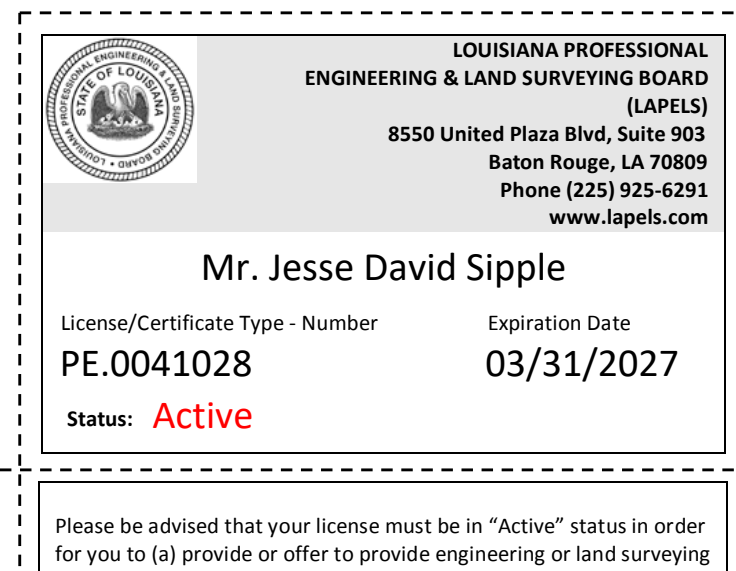
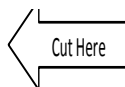
License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0001680	Active	01/14/1992	03/31/2028	Mr. Robert Edwin Jewell # PE.0038579 ; Mr. Robert Egli Rousset # PE.0038637 ; Mr. Rodrigo Home # PE.0040518



	
LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS) 8550 United Plaza Blvd, Suite 903 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Brett Cameron Commander	
License/Certificate Type - Number PE.0035864	Expiration Date 03/31/2027
Status: Active	



	
LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS) 8550 United Plaza Blvd, Suite 903 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Brice Alan Carpenter	
License/Certificate Type - Number PE.0039341	Expiration Date 03/31/2027
Status: Active	
Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying	





State of
Louisiana
Secretary of
State

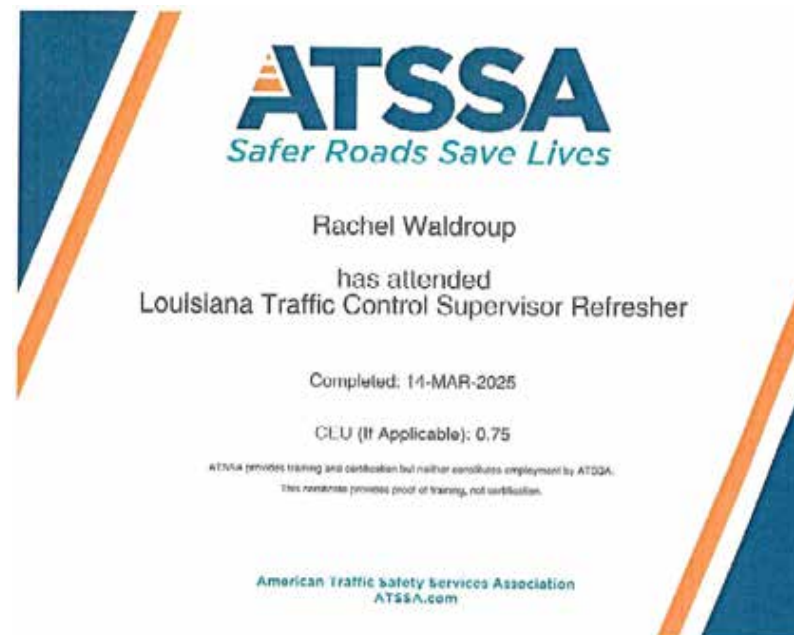


COMMERCIAL DIVISION
225.925.4704

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

Name	Type	City	Status
BRIDGE DIAGNOSTICS, INC.	Business Corporation (Non-Louisiana)	LOUISVILLE	Active
Previous Names			
Business:	BRIDGE DIAGNOSTICS, INC.		
Charter Number:	40760203F		
Registration Date:	2/27/2012		
Domicile Address			
740 S PIERCE AVE			
UNIT 15			
LOUISVILLE, CO 80027			
Mailing Address			
4300 S I-10 SERVICE RD W			
SUITE 210			
METAIRIE, LA 70001			
Principal Business Office			
740 S PIERCE AVE			
UNIT 15			
LOUISVILLE, CO 80027			
Registered Office in Louisiana			
8550 UNITED PLAZA BUILDING II, STE. 305			
BATON ROUGE, LA 70809			
Principal Business Establishment in Louisiana			
4300 S I-10 SERVICE RD W			
SUITE 210			
METAIRIE, LA 70001			
Status			
Status:	Active		
Annual Report Status:	In Good Standing		
Qualified:	2/27/2012		
Last Report Filed:	2/16/2026		
Type:	Business Corporation (Non-Louisiana)		
Registered Agent(s)			
Agent:	CAPITOL CORPORATE SERVICES, INC.		









Louisiana

SECRETARY OF STATE

NANCY LANDRY



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Name	Type	City	Status
FORTE AND TABLADA, INC.	Business Corporation	BATON ROUGE	Active

Previous Names

Business:FORTE AND TABLADA, INC.

Charter Number:25306090D

Registration Date:2/8/1961

Domicile Address

9107 INTERLINE AVE.
BATON ROUGE, LA 70809

Mailing Address

9107 INTERLINE AVE.
BATON ROUGE, LA 70809

Principal Office Address

9107 INTERLINE AVE.
BATON ROUGE, LA 70809

Status

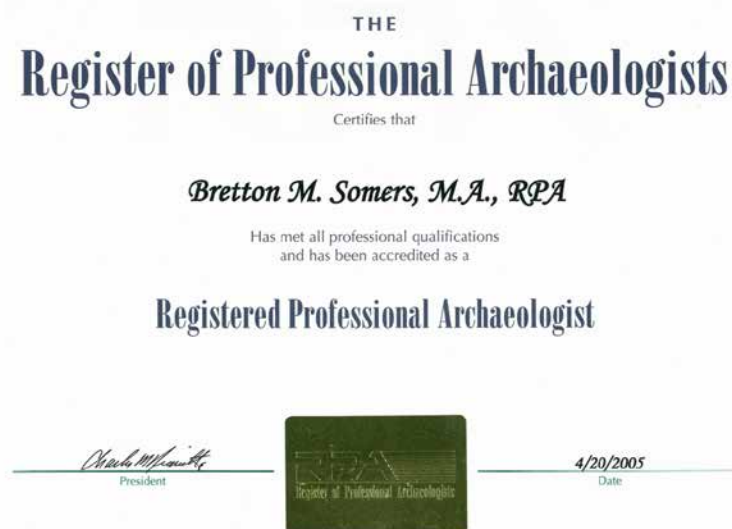
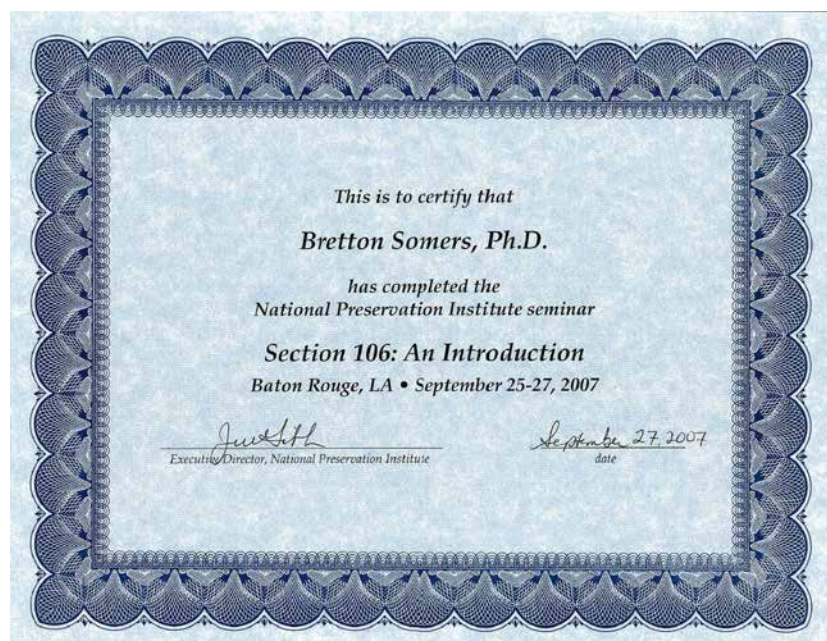
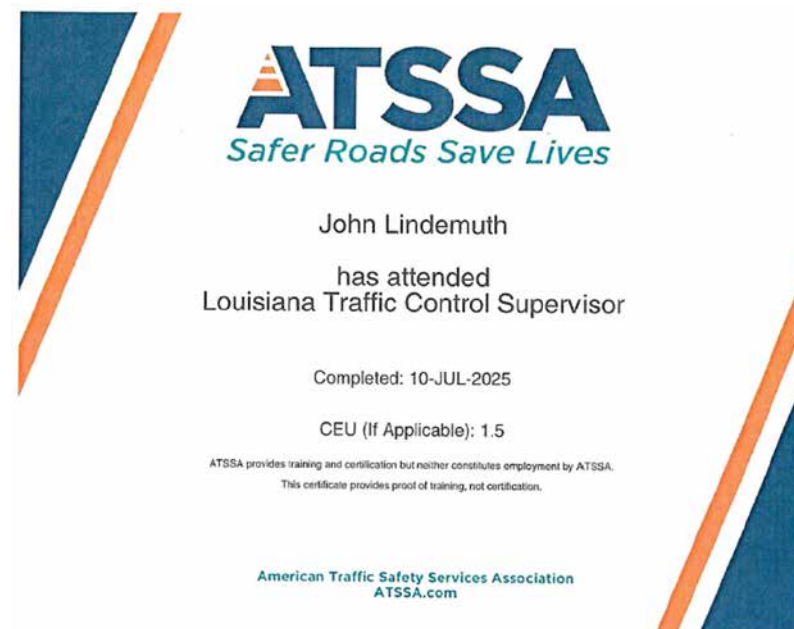
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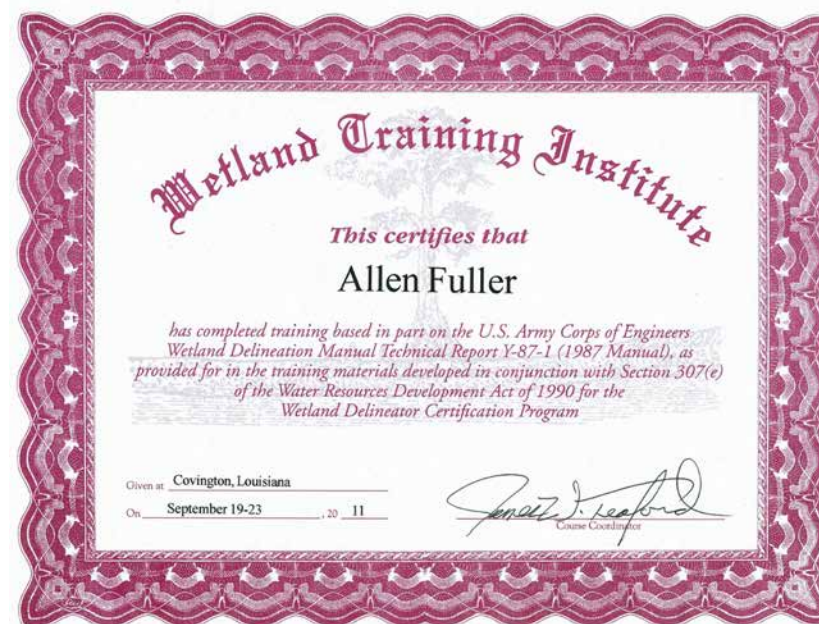
Annual Report Status:In Good Standing

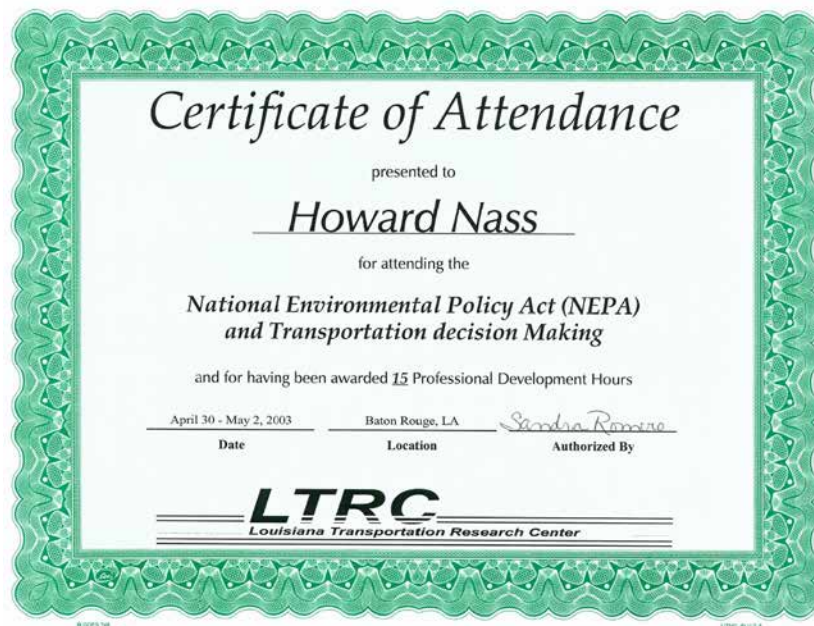
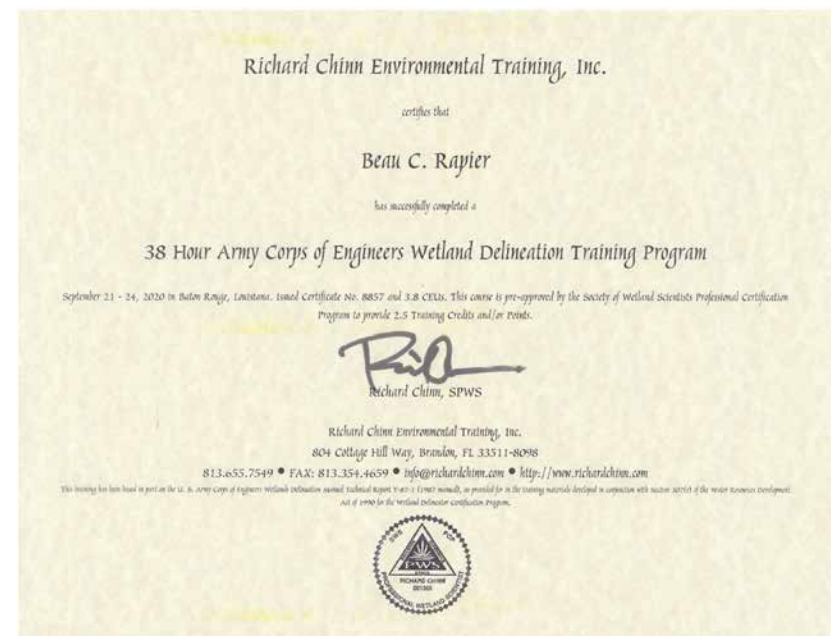
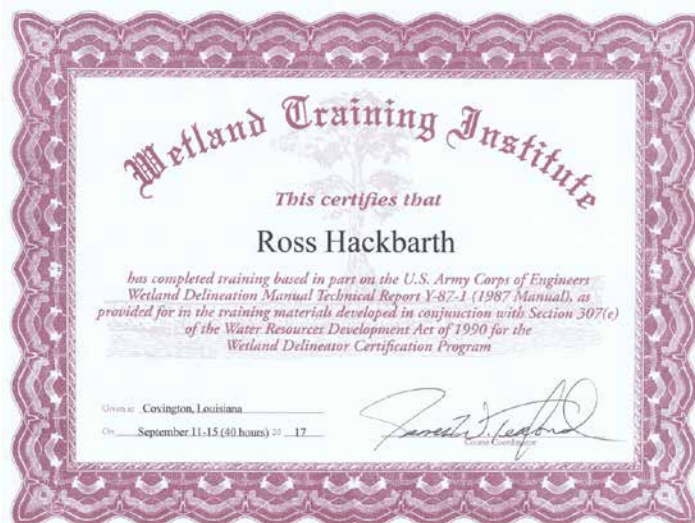
File Date:2/8/1961

Last Report Filed:1/12/2026

Type:Business Corporation







State of
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COMMERCIAL DIVISION
225.925.4704

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

Name	Type	City	Status
GULF SOUTH RESEARCH CORPORATION	Business Corporation	BATON ROUGE	Active
Previous Names			
Business:	GULF SOUTH RESEARCH CORPORATION		
Charter Number:	34151572D		
Registration Date:	8/6/1984		
Domicile Address			
8081 INNOVATION PARK DRIVE BATON ROUGE, LA 70820			
Mailing Address			
8081 INNOVATION PARK DRIVE BATON ROUGE, LA 70820			
Principal Office Address			
8081 INNOVATION PARK DRIVE BATON ROUGE, LA 70820			
Status			
Status:	Active		
Annual Report Status:	In Good Standing		
File Date:	8/6/1984		
Last Report Filed:	7/7/2025		
Type:	Business Corporation		
Registered Agent(s)			
Agent:	DAVID R. SHERMAN		
Address 1:	SUITE 1100, ONE GALLERIA BLVD.		
City, State, Zip:	METAIRIE, LA 70001		
Appointment Date:	7/20/1993		
Officer(s)			
Additional Officers: N			
Officer:	SUNA ADAM		
Title:	President		
Address 1:	8081 INNOVATION PARK DRIVE		
City, State, Zip:	BATON ROUGE, LA 70820		



Certifies

Jayson Helsel, PCS

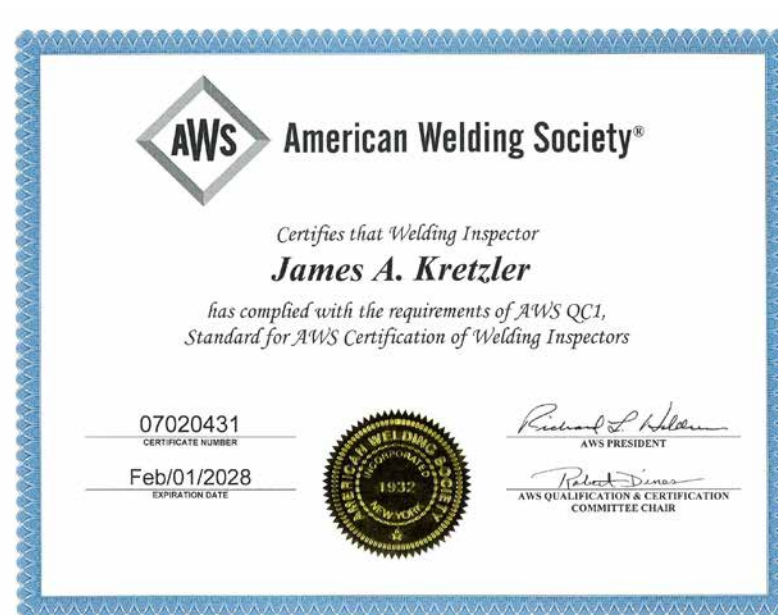
Has fulfilled the requirements for recognition as an **SSPC**
PROTECTIVE COATINGS SPECIALIST

Valid Through December 31, 2027

2011-930-152
Certification Number

September 30, 2011
Original Date Issued

Helma Dulinger
Executive Director AMPP





ASNT CERTIFICATION SERVICES LLC.



BE IT KNOWN THAT James Kretzler

has met the established and published Requirements for Certification by
ASNT Certification Services LLC. in the following Nondestructive Testing Method:

NDT Level III Liquid Penetrant Testing

186946
Certificate Number

11/01/2025
Issue Date

10/31/2030
Expiration Date



John J. Kretzler
ASNT Certification
Services LLC. President

John J. Kretzler
Certification Management
Committee Chair

All ASNT NDT Level III exams are developed and maintained in accordance with ISO/IEC 17024 guidelines for certification of persons. The following exams are currently accredited by The ANSI National Accreditation Board (ANAB) - BASIC, ET, MT, PT, RT, UT, and VT. This certificate is the property of ASNT Certification Services LLC. is not official without ASNT Certification Services LLC's logo and is subject to revocation prior to the expiration date. This certificate shall be verified on www.asntcertification.org/verify or by contacting ASNT Certification Services LLC.



ASNT CERTIFICATION SERVICES LLC.



BE IT KNOWN THAT James Kretzler

has met the established and published Requirements for Certification by
ASNT Certification Services LLC. in the following Nondestructive Testing Method:

NDT Level III Magnetic Particle Testing

186946
Certificate Number

11/01/2025
Issue Date

10/31/2030
Expiration Date



John J. Kretzler
ASNT Certification
Services LLC. President

John J. Kretzler
Certification Management
Committee Chair

All ASNT NDT Level III exams are developed and maintained in accordance with ISO/IEC 17024 guidelines for certification of persons. The following exams are currently accredited by The ANSI National Accreditation Board (ANAB) - BASIC, ET, MT, PT, RT, UT, and VT. This certificate is the property of ASNT Certification Services LLC. is not official without ASNT Certification Services LLC's logo and is subject to revocation prior to the expiration date. This certificate shall be verified on www.asntcertification.org/verify or by contacting ASNT Certification Services LLC.



ASNT CERTIFICATION SERVICES LLC.



BE IT KNOWN THAT James Kretzler

has met the established and published Requirements for Certification by
ASNT Certification Services LLC. in the following Nondestructive Testing Method:

NDT Level III Radiographic Testing

186946
Certificate Number

11/01/2025
Issue Date

10/31/2030
Expiration Date



John J. Kretzler
ASNT Certification
Services LLC. President

John J. Kretzler
Certification Management
Committee Chair

All ASNT NDT Level III exams are developed and maintained in accordance with ISO/IEC 17024 guidelines for certification of persons. The following exams are currently accredited by The ANSI National Accreditation Board (ANAB) - BASIC, ET, MT, PT, RT, UT, and VT. This certificate is the property of ASNT Certification Services LLC. is not official without ASNT Certification Services LLC's logo and is subject to revocation prior to the expiration date. This certificate shall be verified on www.asntcertification.org/verify or by contacting ASNT Certification Services LLC.



ASNT CERTIFICATION SERVICES LLC.



BE IT KNOWN THAT James Kretzler

has met the established and published Requirements for Certification by
ASNT Certification Services LLC. in the following Nondestructive Testing Method:

NDT Level III Ultrasonic Testing

186946
Certificate Number

11/01/2025
Issue Date

10/31/2030
Expiration Date



John J. Kretzler
ASNT Certification
Services LLC. President

John J. Kretzler
Certification Management
Committee Chair

All ASNT NDT Level III exams are developed and maintained in accordance with ISO/IEC 17024 guidelines for certification of persons. The following exams are currently accredited by The ANSI National Accreditation Board (ANAB) - BASIC, ET, MT, PT, RT, UT, and VT. This certificate is the property of ASNT Certification Services LLC. is not official without ASNT Certification Services LLC's logo and is subject to revocation prior to the expiration date. This certificate shall be verified on www.asntcertification.org/verify or by contacting ASNT Certification Services LLC.



Certifies

Robert Lanterman, PCS

Has fulfilled the requirements for recognition as an **SSPC**

PROTECTIVE COATINGS SPECIALIST

Valid Through December 31, 2027

2015-820-136
Certification Number

August 20, 2015
Original Date Issued

Hilma Sulinger

Executive Director AMPP



COMMERCIAL DIVISION
225-925-4704

Fax Numbers
225-932-5317 (Admin. Services)
225-932-5314 (Corporations)
225-932-5318 (UCC)

Name	Type	City	Status
KA-TATOR, INC.	Business Corporation (Non-Louisiana)	PITTSBURGH	Active
Previous Names			
Business:	KA-TATOR, INC.		
Charter Number:	34632147P		
Registration Date:	4/29/1998		
Domicile Address	145 ENTERPRISE DRIVE PITTSBURGH, PA 152751214		
Mailing Address	145 ENTERPRISE DRIVE PITTSBURGH, PA 152751214		
Principal Business Office	145 ENTERPRISE DRIVE PITTSBURGH, PA 152751214		
Registered Office in Louisiana	450 LAUREL STREET, 8TH FLOOR BATON ROUGE, LA 70801		
Principal Business Establishment in Louisiana	450 LAUREL STREET, 8TH FLOOR BATON ROUGE, LA 70801		
Status			
Status:	Active		
Annual Report Status:	In Good Standing		
Qualified:	4/29/1998		
Last Report Filed:	4/13/2026		
Type:	Business Corporation (Non-Louisiana)		
Registered Agent(s)			
Agent:	CORPORATION SERVICE COMPANY		
Address 1:	450 LAUREL STREET, 8TH FLOOR		
City, State, Zip:	BATON ROUGE, LA 70801		
Appointment Date:	9/9/2014		
Officer(s)			

Additional Officers

Additional Officers: No

Officer:	KENNETH B. TATOR
Title:	Director
Address 1:	145 ENTERPRISE DRIVE
City, State, Zip:	PITTSBURGH, PA 152751214
Officer:	KENNETH A. TRIMBER
Title:	Director
Address 1:	145 ENTERPRISE DRIVE
City, State, Zip:	PITTSBURGH, PA 152751214
Officer:	LEW KACHULIS
Title:	Director
Address 1:	145 ENTERPRISE DRIVE
City, State, Zip:	PITTSBURGH, PA 152751214
Officer:	WENDY DAMERON
Title:	Officer
Address 1:	145 ENTERPRISE DRIVE
City, State, Zip:	PITTSBURGH, PA 152751214
Officer:	JOSEPH DUCKETT
Title:	Director
Address 1:	145 ENTERPRISE DRIVE
City, State, Zip:	PITTSBURGH, PA 152751214
Officer:	MATTHEW SANFILIPPO
Title:	Director
Address 1:	145 ENTERPRISE DRIVE
City, State, Zip:	PITTSBURGH, PA 152751214
Officer:	ROBERT POWELL
Title:	Director
Address 1:	145 ENTERPRISE DRIVE
City, State, Zip:	PITTSBURGH, PA 152751214
Officer:	J. PETER AULT, PE
Title:	President, Secretary
Address 1:	145 ENTERPRISE DRIVE
City, State, Zip:	PITTSBURGH, PA 152751214
Officer:	DAVID MCFAYDEN, CEO
Title:	Treasurer
Address 1:	145 ENTERPRISE DRIVE
City, State, Zip:	PITTSBURGH, PA 152751214

Amendments on File (7)

Description	Date
Disclosure of Ownership	5/4/1998
Stmt of Chg or Chg Prin Bus Off	12/5/2007
Stmt of Chg or Chg Prin Bus Off	1/25/2008
Stmt of Chg or Chg Prin Bus Off	9/9/2014

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COMMERCIAL DIVISION
225.925.4704

Fax Numbers

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

Name	Type	City	Status
MODJESKI AND MASTERS, INC.	Business Corporation (Non-Louisiana)	MECHANICSBURG	Active



**LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)**
8550 United Plaza Blvd, Suite 903
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Geoffrey Lawrence Forest

License/Certificate Type - Number	Expiration Date
PE.0045721	09/30/2027

Status: **Active**



**LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)**
8550 United Plaza Blvd, Suite 903
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Jeffrey W. Newman

License/Certificate Type - Number	Expiration Date
PE.0031815	09/30/2027

Status: **Active**



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ENGINEERING & LAND SURVEYING BOARD
(LAPELS)**
8550 United Plaza Blvd, Suite 903
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. David Mark Barrett

License/Certificate Type - Number	Expiration Date
PE.0038789	09/30/2026

Status: **Active**



**LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)**
8550 United Plaza Blvd, Suite 903
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Jonathan Edward Gerhart

License/Certificate Type - Number	Expiration Date
PE.0043052	03/31/2027

Status: **Active**



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

8550 United Plaza Blvd, Suite 903
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. David Andrew Kanger

License/Certificate Type - Number

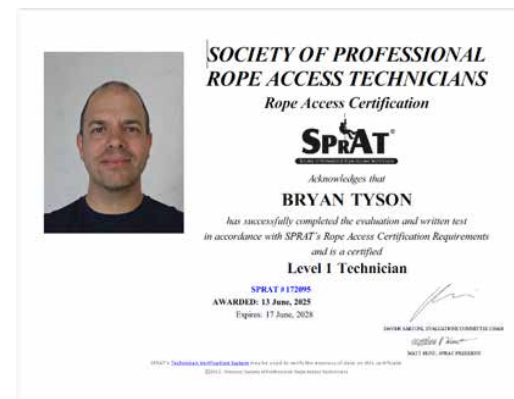
PE.0029048

Expiration Date

09/30/2026

Status: **Active**







National Highway Institute
Certificate of Training



Jeffrey Gazarek

has successfully completed

FHWA-NHI-130053 Bridge Inspection Refresher Training

sponsored by

Louisiana Department of Transportation & Development

Date: June 16-18, 2023
Location: Baton Rouge, LA

Hours of Instruction: 22

Mark Nyerges

Instructor

Earl Dubin

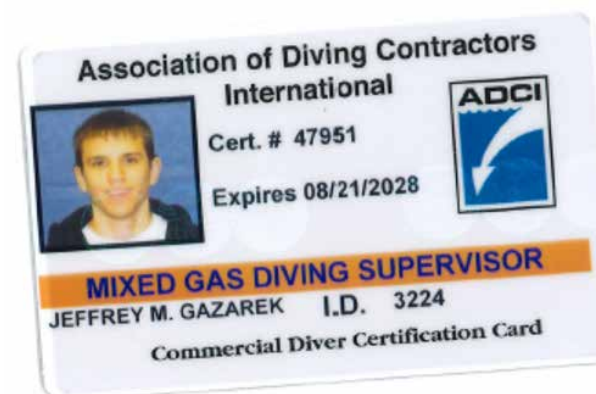
Instructor

Allison Landry

Local Coordinator

Stacey Caston

Stacey Caston, Director
National Highway Institute



Certificate
of completion awarded to
Jeffrey Gazarek, COSM
for successfully meeting all recertification requirements of
**CERTIFICATE FOR OCCUPATIONAL SAFETY
MANAGERS**



Registration: 01/01/2011 - 12/31/2025
Revision: 10/1/2014
Certificate #: 114586

Thomas H. Harman

President

Allison Landry

Local Coordinator



National Highway Institute
Certificate of Training
CHRISTOPHER A. ESCHENBACH



has successfully completed

FHWA-NHI-130053 Bridge Inspection Refresher Training

sponsored by

LA DOTD/LTRC

Date: January 10-12, 2023
Location: Baton Rouge, LA

Hours of Instruction: 18

Thomas H. Harman

Instructor

Thomas H. Harman

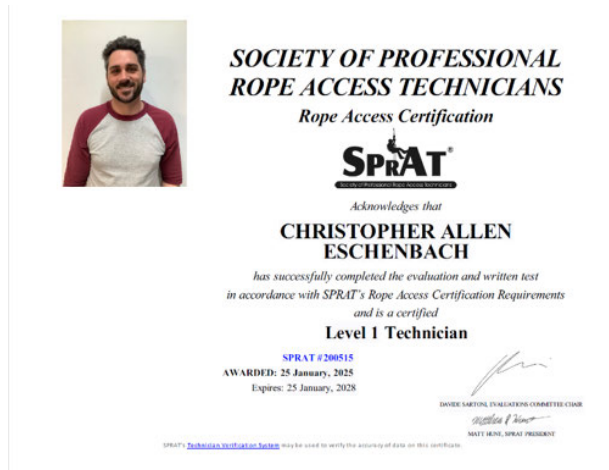
Instructor

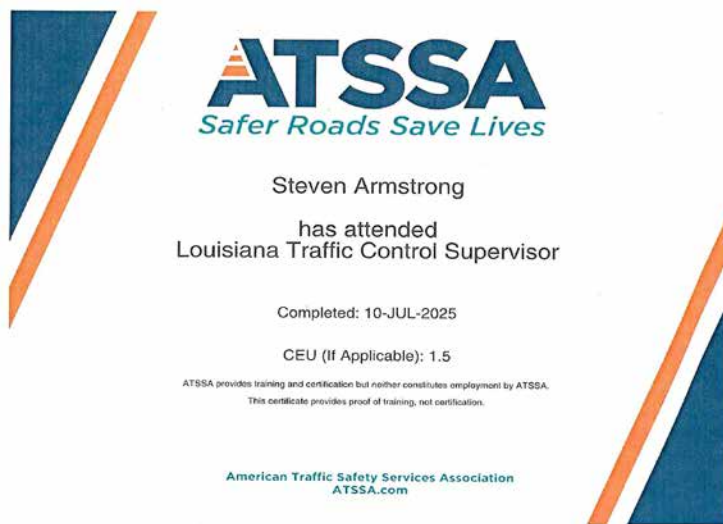
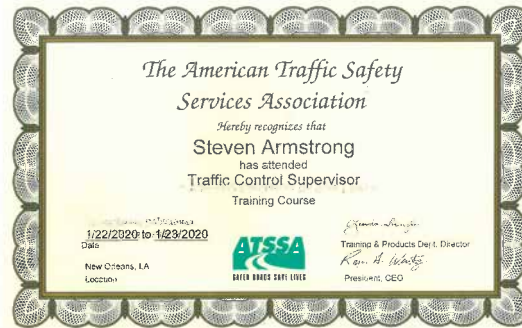
Allison Landry

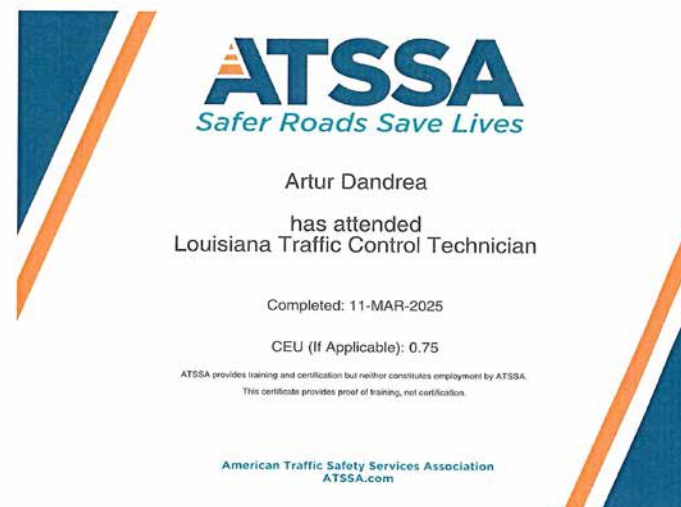
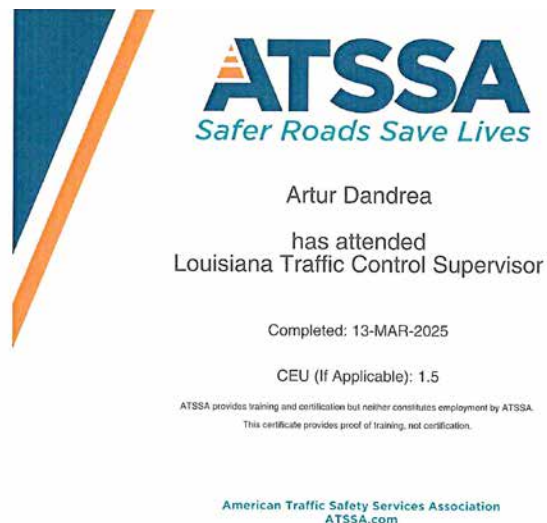
Local Coordinator

Thomas Harman

Thomas Harman, Director
National Highway Institute







Mr. Artur W. D'Andrea
10000 Phantom Road
Baton Rouge, Louisiana 70809-3219

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com
	Mr. Artur W. D'Andrea License/Certificate Type - Number PE.0020561 Status: Active Exp Date: 09/30/2026
Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative	



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

Name	Type	City	Status
MOFFATT & NICHOL INC.	Business Corporation (Non-Louisiana)	LONG BEACH	Active

Previous Names

MOFFATT & NICHOL, ENGINEERS, INC. (Changed: 11/17/2003)

Business: MOFFATT & NICHOL INC.

Charter Number: 34527896F

Registration Date: 5/23/1996

Domicile Address

4225 E. CONANT STREET, SUITE 101
LONG BEACH, CA 90808

Mailing Address

4225 E. CONANT STREET, SUITE 101
LONG BEACH, CA 90808

Principal Business Office

4225 E. CONANT STREET, SUITE 101
LONG BEACH, CA 90808

Registered Office in Louisiana

3867 PLAZA TOWER DR.
BATON ROUGE, LA 70816

Principal Business Establishment in Louisiana

301 MAIN STREET
SUITE 800
BATON ROUGE, LA 70801

Status

Status: Active

Annual Report Status: In Good Standing

Qualified: 5/23/1996

Last Report Filed: 5/8/2026

Type: Business Corporation (Non-Louisiana)

Registered Agent(s)

Agent: C T CORPORATION SYSTEM
Address 1: 3867 PLAZA TOWER DR.
City, State, Zip: BATON ROUGE, LA 70816

Appointment Date: 5/23/1996

Officer(s)

Additional Officers: No

Officer: ERIC NICHOL
Title: President, Director
Address 1: 4225 E. CONANT STREET, SUITE 101
City, State, Zip: LONG BEACH, CA 908081867

Officer: OLIE ABBAMONTO
Title: Treasurer
Address 1: 4225 E. CONANT STREET, SUITE 101
City, State, Zip: LONG BEACH, CA 908081867

Officer: DAVID HUCHEL
Title: Secretary
Address 1: 4225 E. CONANT STREET, SUITE 101
City, State, Zip: LONG BEACH, CA 908081867

Officer: RALPH LARISON
Title: Director
Address 1: 4225 E. CONANT STREET, SUITE 101
City, State, Zip: LONG BEACH, CA 908081867

Officer: RICHARD STEINKE
Title: Director
Address 1: 4225 E. CONANT STREET, SUITE 101
City, State, Zip: LONG BEACH, CA 908081867

Officer: LYNN SCHRIER-BEHLER
Title: Director
Address 1: 4225 E. CONANT STREET, SUITE 101
City, State, Zip: LONG BEACH, CA 90808

Officer: MICHAEL RIEGER
Title: Director
Address 1: 4225 E. CONANT STREET, SUITE 101
City, State, Zip: LONG BEACH, CA 90808

Officer: JOHN CARRATO
Title: Director
Address 1: 4225 E. CONANT STREET, SUITE 101
City, State, Zip: LONG BEACH, CA 90808

Officer: RANDELL IWASAKI
Title: Director
Address 1: 4225 E. CONANT STREET, SUITE 101
City, State, Zip: LONG BEACH, CA 90808

Officer: MARK HANDLEY
Title: Director
Address 1: 4225 E. CONANT STREET, SUITE 101
City, State, Zip: LONG BEACH, CA 90808



**FLORIDA DEPARTMENT OF TRANSPORTATION
ENVIRONMENTAL MANAGEMENT OFFICE
CERTIFICATE OF COMPLETION**

This certifies that

Jason Goffinet

Completed the Environmental Management Office course:

Traffic Noise Analysis

May 7-9, 2002

C. L. Irwin
C. L. Irwin, Manager
Environmental Management Office

Win Lindeman
Win Lindeman
Instructor
Certificate No. 0175
Course No: BT-19-0005

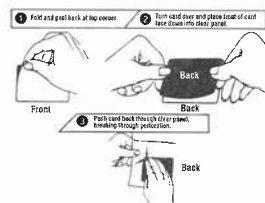
Once again, ATSSA thanks you for your dedication to ensuring that our work zones are safe and that lives will be saved with proper training. Please visit our website at ATSSA.com for additional training courses and work zone safety products.

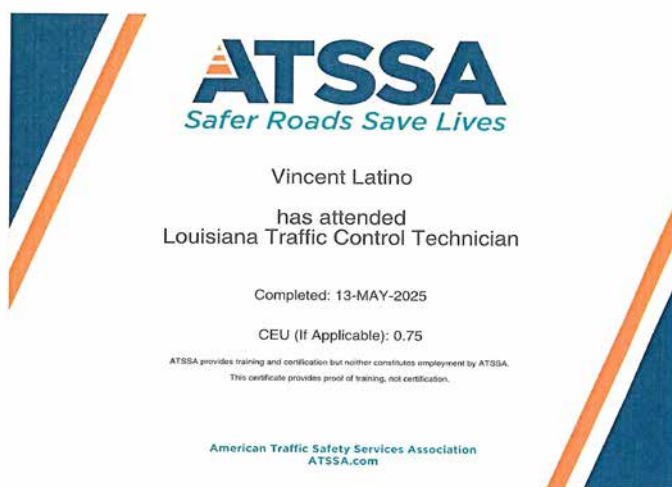
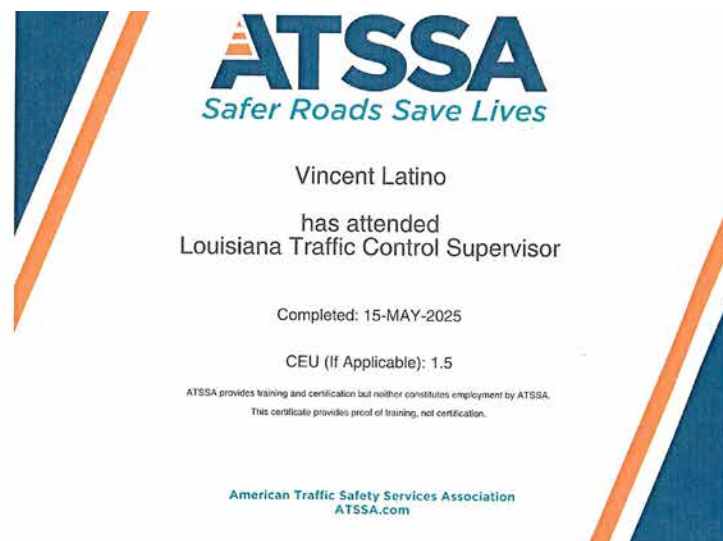
Sincerely,

Clark Thomas
Clark Thomas
VP of Learning



Laminating the front of your card with Dual Laminate:





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Louisiana
Secretary of
State



COMMERCIAL DIVISION
225.925.4704

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

Name	Type	City	Status
VOLKERT, INC.	Business Corporation (Non-Louisiana)	MOBILE	Active
Previous Names			
VOLKERT & ASSOCIATES, INC. (Changed: 10/15/2009)			
VOLKERT & ASSOCIATES, INC., DAVID (Changed: 3/14/2000)			
Business:	VOLKERT, INC.		
Charter Number:	30412150F		
Registration Date:	11/8/1973		
Domicile Address			
11 N. WATER STREET			
SUITE 18290			
MOBILE, AL 36602			
Mailing Address			
P.O. BOX 7434			
MOBILE, AL 36670			
Principal Business Office			
11 N. WATER STREET			
SUITE 18290			
MOBILE, AL 36602			
Registered Office in Louisiana			
450 LAUREL STREET, 8TH FLOOR			
BATON ROUGE, LA 70801			
Principal Business Establishment in Louisiana			
9448 BROOKLINE AVE			
BATON ROUGE, LA 70809			
Status			
Status:	Active		
Annual Report Status:	In Good Standing		
Qualified:	11/8/1973		
Last Report Filed:	10/14/2025		
Type:	Business Corporation (Non-Louisiana)		
Registered Agent(s)			
Agent:	CORPORATION SERVICE COMPANY		

Address 1: 450 LAUREL STREET, 8TH FLOOR

City, State, Zip: BATON ROUGE, LA 70801

Appointment Date: 7/13/2011

Officer(s)

Additional Officers: No

Officer: LLOYD L PITTS

Title: Officer

Address 1: 1110 MONTLIMAR DRIVE

Address 2: SUITE 1050

City, State, Zip: MOBILE, AL 36609

Officer: JANET L EVANS

Title: Vice-President

Address 1: 7967 OFFICE PARK AVENUE

City, State, Zip: BATON ROUGE, LA 70802

Officer: AARON IMMEL

Title: Officer

Address 1: 28588 HWY 98

Address 2: SUITE 9

City, State, Zip: DAPHNE, AL 36526

Officer: MIKE SAMPSON

Title: Officer

Address 1: 11 NORTH WATER STREET

Address 2: SUITE 18290

City, State, Zip: MOBILE, AL 36602

Officer: PAULA BEASLEY

Title: Officer

Address 1: 11 NORTH WATER STREET

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City, State, Zip: MOBILE, AL 36602

Officer: HERATY STEPHEN

Title: Officer

Address 1: 4141 BIENVILLE STREET

Address 2: SUITE 102

City, State, Zip: NEW ORLEANS, LA 70119

Officer: MARK MCCONNELL

Title: Executive Vice-President

Address 1: 111 EAST CAPITOL ST

Address 2: SUITE 250

City, State, Zip: JACKSON, MS 39201

Officer: THOMAS HAND

Title: Director

Address 1: 11 NORTH WATER STREET

Address 2: SUITE 18290

City, State, Zip: MOBILE, AL 36602

Mergers (3)

Filed Date	Effective Date:	Type	Charter#	Chater Name	Role
12/24/1996	12/24/1996	MERGE	30412150F	VOLKERT, INC.	SURVIVOR
			24703900D	VOLKERT & ASSOCIATES, INC., DAVID	NON-SURVIVOR
12/21/2010	12/21/2010	MERGE	30412150F	VOLKERT, INC.	SURVIVOR
			34309443F	VOLKERT ENVIRONMENTAL GROUP, INC.	NON-SURVIVOR
12/28/2010	12/28/2010	MERGE	30412150F	VOLKERT, INC.	SURVIVOR
			34150367F	VOLKERT CONSTRUCTION SERVICES, INC.	NON-SURVIVOR

Amendments on File (17)

Description	Date
Stmnt of Chg or Chg Prin Bus Off	2/22/1985
Stmnt of Chg or Chg Prin Bus Off	4/1/1986
Stmnt of Chg or Chg Prin Bus Off	2/1/1993
Merger	12/24/1996
Disclosure of Ownership	1/26/1998
Name Change	3/14/2000
Stmnt of Chg or Chg Prin Bus Off	1/29/2008
Name Change	10/15/2009
Disclosure of Ownership	2/17/2010
Merger	12/21/2010
Merger	12/28/2010
Stmnt of Chg or Chg Prin Bus Off	7/13/2011
Stmnt of Chg or Chg Prin Bus Off	12/28/2015
Stmnt of Chg or Chg Prin Bus Off	9/21/2017
Disclosure of Ownership	12/5/2019
Stmnt of Chg or Chg Prin Bus Off	5/22/2023
Stmnt of Chg or Chg Prin Bus Off	9/1/2023

Print

21. QA/QC Plan:

See attached QA/QC Plan on following page.



DOTD Project Nos. 44-35420, 44-35421, and 44-35422
IDIQ CONTRACTS FOR BRIDGE PRESERVATION

Bridge Design QC/QA Plan

**Meeting our Client's Needs and Expectations for
TECHNICAL QUALITY, SERVICE EXCELLENCE,
and CONSISTENT PERFORMANCE**

June 2026

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1.0 INTRODUCTION TO THE BRIDGE DESIGN QC/QA PLAN

A QC/QA program is an essential component of a successful project. The process, when executed properly by a committed bridge team, will eliminate critical errors and conflicts in the ratings and design and improve plan accuracy and quality. Most importantly, the process promotes confidence in the owner and engineer that the rating, design and construction documents reduce liability and financial risk to them. The LADOTD's Bridge Design and Evaluation Manual – Revision 9 (updated 8/8/2019) includes the Department's *Policy for Quality Control and Quality Assurance* which establishes the process for all bridge designs performed on LADOTD projects. This QC/QA Plan has been developed with respect to both the LADOTD and GRESHAM SMITH policies specifically for the IDIQ Contracts for Bridge Preservation.

1.1 Alignment of LA DOTD and GRESHAM SMITH'S QC/QA Policies

The LADOTD policy is well aligned with GRESHAM SMITH's QC/QA program. One key difference in the two policies is that the LADOTD Bridge QC/QA policy is specific to the design of bridges exclusively, while the GRESHAM SMITH Quality Management System (QMS) is applicable to all disciplines associated with a specific project.

GRESHAM SMITH's commitment to quality is rooted in our desire to meet our clients' needs and expectations for technical quality, service excellence and consistent performance. Quality is a pillar within our overall Practice Excellence model and includes a QMS that is built-in to our processes throughout a project life-cycle.

GRESHAM SMITH is a practice-led organization dedicated to the success of our clients and the development of our employees. Through our QMS, we strive for the continuous improvement of our work practices through the consistent application of established processes for the mutual success of GRESHAM SMITH's clients and the firm. The executive management team is fully committed to our QMS as a means to achieve firmwide operational goals. Our QMS is based on criteria found in the International Standard ISO-9001.

We are committed to accomplishing the following:

- Partnering with our clients to provide them with consistent quality in our deliverables, meeting their needs and expectations, and providing a service experience that results in repeat clients,
- Planning our work so that we deliver on our obligations,
- Providing the tools and processes to our employees to accomplish their work in a consistent and efficient manner,
- Training our employees to meet the requirements of the business and our clients,
- Promoting a practice that fosters collaboration and incorporates innovation,

- Measuring our performance against objectives to confirm we are improving, and communicating results throughout the firm and to our clients,
- Auditing our processes to benchmark new goals, verify compliance through multiple points of feedback, and identify opportunities for improvement,
- Continually improving our QMS to enhance its effectiveness,
- Utilizing a dedicated Quality Director responsible for monitoring the quality system and reporting regularly to the Management Team on the system's implementation, status and effectiveness.

1.2 Responsibility for QC/QA and the LA DOTD's Oversight Role

In conversations with the LADOTD's staff and from review of the LADOTD's Bridge QC/QA policy, it is apparent that the primary expectation is that consulting engineers contracting with the LADOTD take full responsibility for their submittals at all stages of the bridge design process. By the assignment of this responsibility, the LADOTD's bridge design staff expects to provide oversight on the design process but does not expect to be responsible for the checking of bridge designs and plan documents. Specifically, the LADOTD's Bridge Task Manager will be responsible for the following project tasks, as described in the LADOTD's Bridge QC/QA policy:

- Develop the bridge design scope of work, labor estimate, inspection and design team personnel requirements, and selection evaluation criteria for preparation of the solicitation.
- Participate in the proposal evaluation committee and the selection of the most qualified design team, evaluating design team qualifications, experience and QC/QA plan.
- Initiate a bridge design kickoff meeting, covering items such as the staffing plan, QC/QA plan, project schedule and budget, share expectations and consultant rating criteria, bridge design criteria, and other project management agenda items per the LADOTD checklist.
- Review and approve the Design Criteria and TS&L submittals for designs. Coordinate revisions in the Design Criteria with the design team for the project duration.
- Monitor the Design Team's implementation of their QC/QA plan.
- Maintain a Project Log sheet recording all major project activities (Project Meetings, Submittals, LADOTD Review Comments, Major Decisions, etc).
- Review all Design Team submittals, intended to be a cursory review for constructability, consistency and clarity. These reviews are not intended to be a secondary QC of the Design Team's work.
- Monitor project schedule and milestone deliverables.
- Monitor Design Team effort with respect to scope and budget; process supplemental agreements; monitor claims avoidance.
- Review and approve invoices; verify Design Team staff is consistent with proposal; Review and approve qualifications of replacement staff proposed by the Design Team, if necessary.

- Perform a consultant rating for each formal submittal by the Design Team; share ratings and provide feedback to Design Team.
- Archive final bridge design files.

1.3 Definitions of QC and QA

An understanding of the definition of Quality Control (QC) and Quality Assurance (QA), as well as the responsibilities contained in these processes is an important component of GRESHAM SMITH's QMS and the LADOTD's Bridge QC/QA policy. These key definitions are summarized below:

- **Quality Control (QC):** This process involves the procedure of checking the accuracy and consistency of the calculations and drawings, detecting conflicts, design errors and omissions, and the procedure for resolution of internal comments, correcting and verification of revisions. Also, specific to bridge design, the process verifies that all bridge components are adequately designed for the specified limit stated in the AASHTO LRFD Bridge Design Specifications and the LADOTD Bridge Design Manual and Memoranda.
- **Quality Assurance (QA):** This process involves the review of the QC documents to verify that the Quality Control (QC) procedure has been completed in accordance with GRESHAM SMITH's QMS and the LADOTD Bridge QC/QA policy. In addition, the QA process verifies that the QC process was effective in preventing design and plan errors and assuring consistency.

1.4 Evidence/Verification of QC and QA Activities

GRESHAM SMITH's QMS fully documents the QC and QA processes for all intermediate and final submittals, providing evidence to the LADOTD that our design team has executed the QC/QA procedures in accordance with the policy.

2.0 ROLES AND RESPONSIBILITIES

Meeting or exceeding the provisions of the LADOTD Bridge QC/QA policy, the GRESHAM SMITH QMS requires that the quality control processes be completed for all design disciplines for all submittals. For this Program, as it pertains to QC/QA, the roles and responsibilities of the design team are described below, with identification of specific staff shown in the Organization Chart.

2.1 Quality Assurance Manager

The QA Manager (Tom Tran, PE) will be responsible for assurance that the QC process has been completed, documented and properly filed in project records. The QA Manager will oversee the communication and training of the QC procedures to the project team. The QA Manager is responsible for the documentation of this training (sign in sheet, development of the training course) and for filing these documents in the project directory, available for audit. The QA Manager is responsible for certifying that a submittal deliverable has met the requirements of the GRESHAM SMITH QMS and the LADOTD Bridge QC/QA policy and can be released to the client.

2.2 Original Designers and CADD Design Personnel

The original designers are responsible for preparing original calculations and plan drawings in accordance with the direction provided by the Project Plan and associated pre-planning references and design tools (i.e. – Design Criteria, Technical Task Protocols, Design Tools, Validated Software, etc.). In the QC/QA process, the original designers are responsible for the timely, complete and effective preparation of the calculation and plans, incorporating weekly design coordination directives during the design development. The original designers may be professional engineers or engineering interns.

The original designers are responsible for actively resolving comments received at each level of QC (Discipline, Independent Peer, and Inter-Discipline) and for making the necessary corrections in advance of the next level of QC or QA reviews. All design personnel (Engineering and CADD designers) will be trained in the QC/QA procedures by the Quality Assurance Manager. Evidence of the training (sign in sheets, copy of training course) will be filed in the project directory, available for audit.

2.3 Discipline QC Reviewers

This level of review will be completed by experienced engineers who are responsible for the detailed checking of all calculations, specifications, special provisions and plan documents. For this program, we anticipate this level of review will be performed by GRESHAM SMITH staff or the corresponding subconsultant, as indicated in the organization chart. If the original calculations are prepared by a professional engineer, the Discipline QC reviewer may be either another professional engineer or an experienced engineering intern. If the original calculations are prepared by a professional engineer, the Discipline QC reviewer will be either another professional engineer or an experienced engineering intern. If the original calculations are prepared by an engineering intern, the Discipline Review will be

completed by an experienced professional engineer. This approach is in compliance with LADOTD policy. A LA professional engineer will serve as either the lead design engineer or the QC reviewer.

The Discipline QC reviewer will be responsible for documenting all comments, pursuing resolution with the original designer or detailer and for progressing the QC documents (calculations, plans and QC forms) to completion prior to forwarding to the Independent Peer QC and Inter-Discipline QC reviewers. The Discipline QC reviewers will be trained in the QC/QA procedures by the Quality Assurance Manager. Evidence of the training (sign in sheets, copy of training course) will be filed in the project directory, available for audit.

2.4 Independent Peer QC Reviewers

Independent peer reviews are not anticipated for this project due to the non-complex classification assigned to this project. Should a future supplement or task order require such an evaluation, an amendment to this document will be provided. Standard forms for independent peer reviews are included in the appendix for general reference.

2.5 Inter-Discipline QC Reviewers

This level of review will be completed by Discipline Task Leaders (i.e. – Bridge, Geotechnical, Roadway, MOT, Drainage, Traffic, CADD, etc) who are responsible for an oversight review of the plans intended to identify conflicts between the disciplines and to identify plan consistency issues not identified in the more detailed Discipline QC review. For this project, we anticipate this level of review will be completed by the Discipline Leads, comprising of GRESHAM SMITH and our teaming partners. This level of review is required by GRESHAM SMITH's QMS policy and is not intended to replace the Independent Peer Bridge QC review.

The Inter-Discipline QC reviewer will be responsible for documenting all comments, pursuing resolution with the original designer or detailer for progressing the QC documents (calculations, plans and QC forms) to completion prior to forwarding to the Quality Assurance Manager for his QA review. All design personnel, including each Inter-Discipline QC reviewer will be trained in the QC/QA procedures by the Quality Assurance Manager. Evidence of the training (sign in sheets, copy of training course) will be filed in the project directory and available for audit.

2.6 Engineer of Record

The Engineer of Record for this project will be assigned by the supervisor or discipline lead on the project team for each task assignment. The Engineer of Record is responsible for the supervision of the calculation, plan and special provision preparation and is responsible for participation in or oversight of the QC and QA review processes. The Engineer of Record must be licensed to practice engineering in the State of Louisiana; and must have demonstrated experience in the design of similar structures. In addition to overseeing the calculations and plan submittal thru the QC/QA process, the Engineer of Record is responsible for obtaining the seal and signature of any co-signed sheets in the

bridge plans (geotechnical, H&H, etc). The Engineer of Record (EOR) is also responsible for assembling the complete final calculation documents in the format prescribed by the LADOTD, assuring that all required plan sheets include the designer's, design checker's, detailer's and detail checker's initials and for sealing and ensuring special provisions are accurately shown on the construction proposal.

The Engineer of Record will be trained in the QC/QA procedures by the Quality Assurance Manager. Evidence of the training (sign in sheets, copy of training course) will be filed in the project directory, available for audit.

The Engineer of Record for the bridge design related activities for this project is proposed to be Courtney J. Rome, PE, the Louisiana Bridge Manager for GRESHAM SMITH. A separate Engineer of Record may be assigned for a particular bridge project at a later time, but we would consult with DOTD prior to that assignment.

3.0 PRE-PLANNING ACTIVITIES

Both the LADOTD's and GRESHAM SMITH's QC/QA policies contain careful project execution planning, document control procedures, communication protocols and specific QC and QA procedures.

3.1 Development of the Project Plan

The GRESHAM SMITH team will prepare a Project Plan for distribution to the design team. The plan will contain:

- A project background description and scope summary,
- A design criteria document prepared in compliance with the LADOTD's checklist. The design criteria document will be submitted to the LADOTD for review and concurrence,
- Identification of the project team members, organization chart, contact information, and guidance on internal and external communication,
- Identification of all deliverables,
- Project design schedule and task budgets,
- Description of the project directory structure, filing of external communication and file naming conventions, etc.,
- Organization of calculation documents, in compliance with the LADOTD's QA/QC policy,
- QC and QA procedures, responsibilities and documentation of QC/QA training,
- Specific technical task protocols, design tool templates and design tool validation documentation,
- Templates of all project forms (Letter, Memorandum, Meeting Minutes, Design tool validation forms, Drawing and Calculation QC forms (LADOTD and GRESHAM SMITH), Quality Assurance forms (LADOTD and GRESHAM SMITH) to use on the project,
- Description of internal project quality auditing, continual improvement, and client feedback processes.

The project plan is a living document, and will be revised as the design criteria, scope or other internal procedure is revised. As stated in the LADOTD's QC/QA policy, revisions in the design criteria will be forwarded to the LADOTD for review and concurrence.

3.2 Project Directory Structure and Bridge Calculation Document Organization

The GRESHAM SMITH QMS policy has established a standardized project directory structure for the documentation of all projects delivered by GRESHAM SMITH. However, this structure may be modified to meet specific requirements of the client and our teaming partners, including the LADOTD's preferences and file naming requirements as established in the LADOTD's ProjectWise procedures.

3.3 Development of Technical Task Protocols, Design Tools, and Validation of Software

The design team will prepare technical task protocols for the purpose of documenting and providing detailed direction on specific design tasks. The protocols will provide direction on the specific use of design tools and validated software involved in the completion of the task. The documents will be controlled; revisions to the protocols will be noted by revision number and updated in the Project Plan. All revisions to task protocols will be communicated to design staff. Design Tools (i.e. – Spreadsheets, MathCAD Prime sheets, etc.) will be developed and utilized for specific design calculation functions. All design tools that are prepared will be validated as required by the GRESHAM SMITH QMS, documented, filed and available for audit.

To the extent possible, the design team will select from the pre-approved list of software posted on the LADOTD Bridge Division website. Before using the pre-approved software, the program will be validated as directed in the GRESHAM SMITH QMS prior to use. For special applications where software not included in the pre-approved list must be used, a synopsis of the software will be provided to the LADOTD Bridge Design Engineer for approval prior to use. Similar to the pre-approved software, all specialty software will be validated as directed in the GRESHAM SMITH QMS prior to use. It is anticipated that LEAP Bridge will serve as the primary design software with CSiBridge, and /or hand calculations utilized as necessary for various design and analysis components. MIDAS Civil would be utilized for any complex geometry or required finite element analysis.

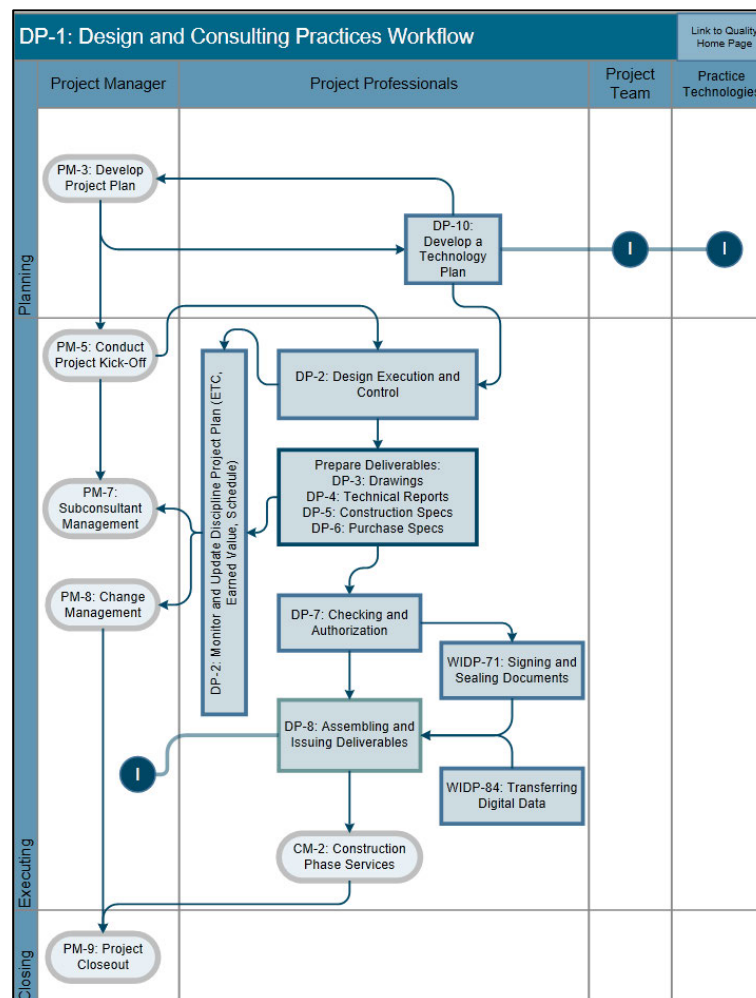
4.0 QUALITY CONTROL AND QUALITY ASSURANCE REVIEWS

4.1 Design Deliverable Activities

The following are the key anticipated milestones for this project:

- Survey
- Hydraulics Reports
- Pre Plan-in-Hand (Prelim Design)
- Plan-in-Hand
- Post Plan-in-Hand
- Environmental & R/W Requirements
- Pre-Advanced Check Prints
- Advance Check Prints
- Borings or Pile Lengths Reviews
- Final Tracings

Specific expectations for each deliverable are summarized in the LADOTD Bridge QC/QA policy. Prior to each of the formal submittals, a 3-tiered Quality Control (QC) design review will be performed as well as a Quality Assurance (QA) review. The following flow chart represents the GRESHAM SMITH's design workflow.



4.2 Discipline Level QC Review of Calculations and Drawings

In this first tier of QC review, detailed calculation and drawing review is performed. GRESHAM SMITH's standard Document Checking Process as detailed in Appendix B is supplemented as noted below to blend the standard GRESHAM SMITH process and the DOTD requirements. Preceding the review, design development for the design phase is completed, design activity is in a "pencils down" mode and review sets are produced. In the Discipline QC, each calculation and drawing is thoroughly checked for accuracy, completeness, and for compliance with the project's design task protocols. The reviewer is designated as a senior engineer within the Quality Control Team. The review is documented in the calculations and drawings using a check print stamp and a color-coded mark as indicated below:

- Yellow – Confirmed
- Black – General comment or suggestion
- Red – Correction to be made
- Blue – Indicates correction was made
- Green – Back check and concurrence with comment or other resolution
- Pink – verification by the reviewer that the comment was addressed

Once the Discipline QC review of the calculations is completed, verified and documented using GRESHAM SMITH's-based and LADOTD-based checklists, the calculations are designated as ready for an independent peer review, as may be appropriate. Similarly, once the Discipline QC review of the drawings is completed, verified and documented using GRESHAM SMITH's-based and LADOTD-based checklists, the drawings are designated as ready for the Independent Peer QC Review in parallel with an Inter-Discipline QC Review. Issues that cannot be resolved between the Discipline QC reviewer and the original designer will be elevated to the design team leader or deputy project manager for resolution. These processes are described below.

4.3 Independent Peer QC Review of Calculations and Drawings

Refer to Section 2.4 – No Independent Peer Review is anticipated for this project.

4.4 Inter-Discipline QC Review of Drawings

The Inter Discipline Review is a discipline leader and project manager review of the documents; and is intended to be an overall design coordination review to identify potential conflicts in the plans between disciplines (i.e. – Roadway and Geometry, Structures, Drainage, Utilities, Geotechnical, etc.). Preceding the Inter-Discipline review, the Discipline QC review will be completed, design activity is in a "pencils down" mode and a drawing set is produced for review. Similar to the Discipline Review process, comments are provided in black or red, concurrence or other resolution in green, corrections in blue, and verification by the reviewers in pink. Issues that cannot be resolved between the Inter-Discipline QC reviewer and the original designer will be elevated to the design team leader or deputy project manager for resolution. This review is documented in the Drawing QC checklist form previously discussed.

4.5 Quality Assurance Review of Calculations and Drawings

Once the drawings and calculations have completed the tiered, Discipline QC, Independent Peer QC and Inter-Discipline QC review processes, the submittal is ready for a Quality Assurance review. This review is performed at GRESHAM SMITH by a specifically-trained senior engineer designated to be the Quality Manager for the project. The QA reviewer will examine all documented review materials, including plans, calculations and QC forms for compliance with the GRESHAM SMITH and LADOTD policies and for completeness. In addition, the QA process verifies that the QC process was effective in preventing design and plan errors and in assuring consistency. Any comments provided by the QA reviewer on the QC process or documentation must be resolved and addressed prior to the QA reviewer approving the design package (plans and calculations) to be submitted.

4.6 Post QA Review Revisions

If for any reason (i.e. – Late inputs or other issue not anticipated) revisions are necessary during or after completion of the QA review, all revisions will be documented on the drawing or calculation check prints and forwarded with revised drawings or calculations to the QA reviewer for a secondary review, prior to submittal.

4.7 Submittal and Filing

Once the QA reviewer has verified that the QC process was completed satisfactorily, they will complete and sign the Document Release Record, allowing the submittal to be released to the client. All calculation, drawing and QC/QA documents will be filed and archived in the project folder, organized and filed by submittal.

5.0 DOCUMENTATION OF COMMENTS/RESPONSES

5.1 Documentation of Internal Comments and Responses

The documentation of all internal comments and resolution will be contained within Discipline QC drawing check prints and forms, calculation review check prints and forms, and in Independent Peer Bridge QC calculation review forms and drawing check prints. Similarly, the documentation of the Inter-Discipline QC comments and resolution will be contained within the drawing check prints and forms. All QC documents will be stored electronically in the project folder and be available for audit.

5.2 Documentation of Client Comments and Responses

At formal submittal client reviews, a comment log will be used to document all comments, by page number. A plan markup may also be provided by the client. The design team will promptly review all comments received and schedule a comment resolution meeting to resolve the comments and set forth an action list to be completed prior to the next formal submittal. Revisions in the action list will be documented on the drawing and calculation Discipline QC review check prints for the next formal submittal.

5.3 Quality Assurance Records

Finally, the documentation of the QA review will be contained within the Document Release Record form at the completion and verification of all QC and QA review activities. All QA documents will be stored electronically in the project folder and be available for audit.

6.0 CONTROL OF SUBCONSULTANT QC PROCESS

GRESHAM SMITH's approach to project management and delivery is to fully incorporate subconsultants and teaming partners into an integrated project team, as opposed to an approach where subconsultants operate independently, with their deliverables "plugged into" the overall formal submittal. Subconsultants are integrated into the project communication process thru weekly project coordination. Individual subconsultant resources are expected to work as an extension of and inclusive with GRESHAM SMITH's staff resources. As such, subconsultants are expected to be fully trained in the GRESHAM SMITH QMS policy and to participate in the Discipline QC and Inter-Discipline QC reviews.

As described previously, all project personnel (including subconsultants) will be trained in both the LADOTD's Bridge QC/QA policy, as well as GRESHAM SMITH's QMS policy. The training will be done by the Quality Assurance Manager, or designated Project Manager or Deputy Project Manager familiar with and experienced in the LADOTD's Bridge QC/QA policy or GRESHAM SMITH's QMS policy.

7.0 CLIENT FEEDBACK AND QUALITY AUDITS

7.1 Administrative Oversight and Continuous Improvement

A desired outcome of the GRESHAM SMITH QMS policy is continuous improvement. The process identifies issues where the design team (collectively and individually) can improve design processes and skills. Most importantly, feedback from the client is solicited and incorporated into our process of continuous improvement, for each formal submittal. All project performance issues are discussed internally with the design team in regularly scheduled coordination meetings throughout the project.

7.2 Internal and External Quality Audits

GRESHAM SMITH's Office of the Risk Management Plan performs independent internal audits of projects to assure that the QC/QA program is being implemented correctly. As all quality records are maintained for each formal submittal in the project directory, all QC and QA documents are available for LADOTD quality audits at their request.

7.0 CLIENT FEEDBACK AND QUALITY AUDITS

7.1 Administrative Oversight and Continuous Improvement

A desired outcome of the GRESHAM SMITH QMS policy is continuous improvement. The process identifies issues where the design team (collectively and individually) can improve design processes and skills. Most importantly, feedback from the client is solicited and incorporated into our process of continuous improvement, for each formal submittal. All project performance issues are discussed internally with the design team in regularly scheduled coordination meetings throughout the project.

7.2 Internal and External Quality Audits

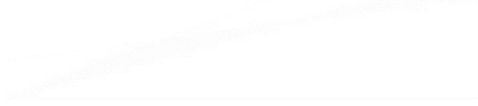
GRESHAM SMITH's Office of the Risk Management Plan performs independent internal audits of projects to assure that the QC/QA program is being implemented correctly. As all quality records are maintained for each formal submittal in the project directory, all QC and QA documents are available for LADOTD quality audits at their request.

APPENDIX A – PROJECT PRE-PLANNING GUIDANCE & FORMS

- *LADOTD Design Criteria Checklist*
- *LADOTD Project Activity Log Sheet*
- *LADOTD Consultant Project Bridge Design Kick-Off Meeting Agenda Checklist*
- *GRESHAM SMITH PM-2 Assigning Project Roles & Responsibilities (Page 1 of 7)*
- *GRESHAM SMITH PM-3 Developing/Updating a Project Plan (Page 1 of 8)*
- *GRESHAM SMITH WIPM-31-SF Developing a Quality Control Plan-Short Form Procedure*
- *GRESHAM SMITH SS-2 Developing a Safety & Security Plan (Page 1 of 8)*
- *GRESHAM SMITH WIPM-31 Developing a Quality Plan (1 of 6)*



THE COVER PAGE OF APPLICABLE GRESHAM
SMITH PROCEDURES AND POLICIES IS
INCLUDED IN THIS DOCUMENT. THE FULL
PROCEDURE WILL BE INCLUDED IN THE
OPERATIONAL VOLUME OF THE QC/QA PLAN



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.

Project No.:
Project Name:
Bridge Task Manager:

[illegible]

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.)



Quality Management System

QMS Process Section: Planning and Managing Work	Revision: 7 Date 08.05.2024	Number: PM-2
Procedure: Project Roles and Responsibilities	Approval: Wharton	Page: 1 of 7

A. PURPOSE

This procedure and associated exhibits address Gresham Smith's definition of project roles, standard practice for assigning project roles and responsibilities, and the minimum expectations of those individuals assigned a role to assure consistency in completing the responsibilities.

B. SCOPE

1. This procedure describes the process for assigning project roles and provides guidance to enable scalable application to suit all Gresham Smith projects.
2. This procedure and its associated exhibits define the primary project roles and summarizes general project responsibilities for each role.
3. This procedure does not address roles and responsibilities for personnel performing project support roles (e.g., IT, Document Control, etc.), nor does it address personnel performing business operations roles.

Note: Project role names may be labeled differently for external use to match Client preferences.

C. DEFINITIONS (See QM-7, "[Definitions](#)")

1. Authority
2. Project Role
3. Responsibility
4. Roles
 - a. Assistant Project Manager (APM)
 - b. Chief Operating Officer (COO)
 - c. Construction Contract Administration Professional (CCAP)
 - d. Department Manager (DM)/Department Leader (DL)
 - e. Discipline Model Coordinator (if more than one PP from each discipline is working on the project.) (DMC)
 - f. Digital Model Manager (DMM)
 - g. Executive Vice President (EVP)
 - h. Lead Project Professional (LPP)

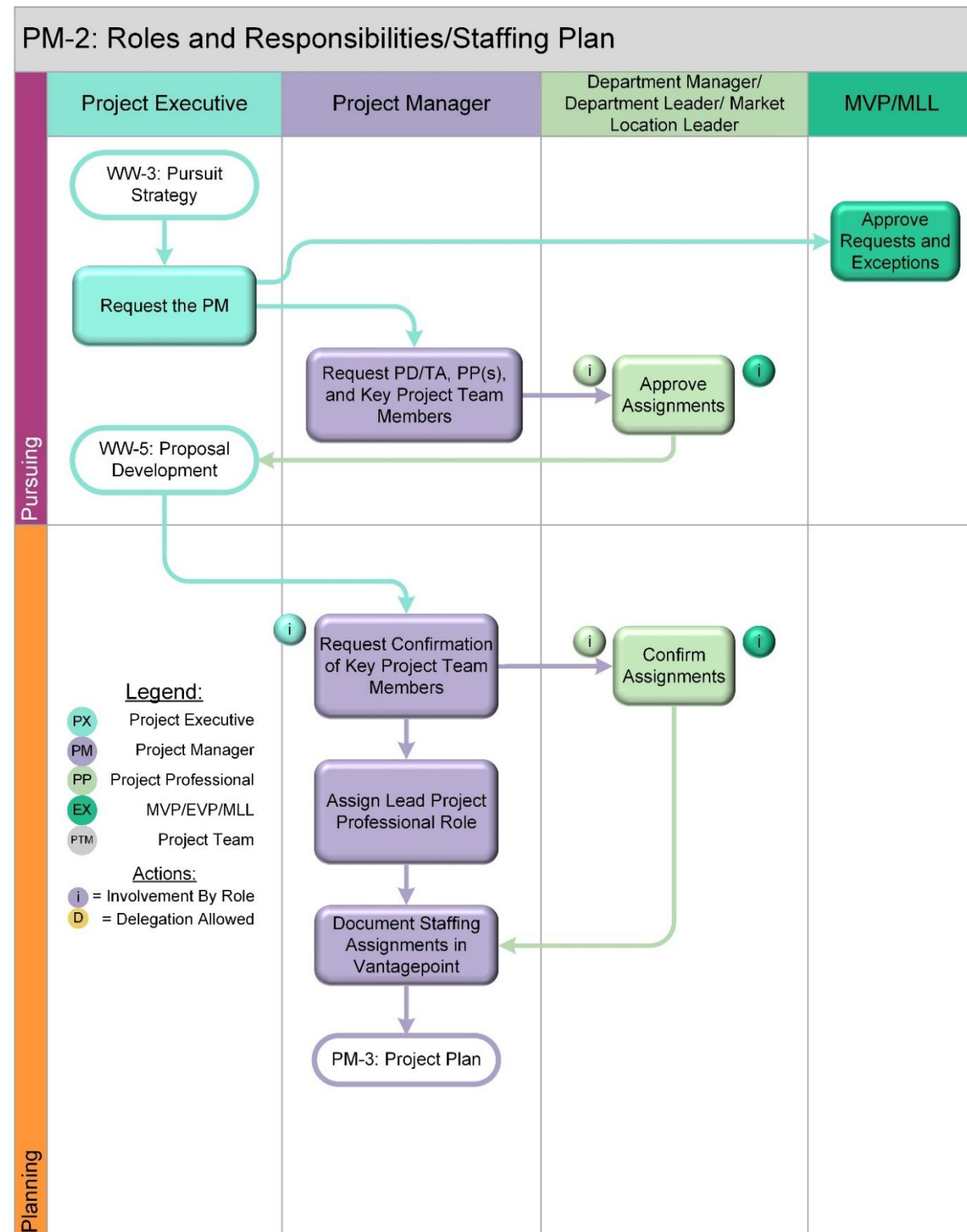
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QMS Process Section: Planning and Managing Work	Revision: 7 Date: 08.05.2024	Number: PM-2
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- i. Market Analyst (MA)
- j. Market Location Leader (MLL)
- k. Market Technical Practice Leader (TPL)
- l. Market Vice President (MVP)
- m. Office Leader
- n. Project Coordinator (PC)
- o. Project Designer/Technical Advisor (PD/TA)
- p. Project Executive (PX)
- q. Project Manager (PM)
- r. Project Professional (PP)
- s. Project Team (PTM)
- t. Regional Vice President (RVP)

Note: The hierarchy of the project roles described in this procedure is specific to projects and is independent of the advancement paths within the firm. Every role carries the potential for career growth within the firm.

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QMS Process Section: Planning and Managing Work	Revision: 7 Date: 08.05.2024	Number: PM-2
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D. FLOW CHART



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QMS Process Section: Planning and Managing Work	Revision: 7 Date: 08.05.2024	Number: PM-2
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E. PROCEDURE

Non-negotiable Requirements Applicable to All Projects:

- Responsibility cannot be transferred or delegated.
 - An individual task associated with a project role can be delegated to another person, but the responsibility for that task remains with the person assigned to the project role.
 - The responsible person cannot delegate all tasks associated with a project role.
- Project Team members are accountable to each other to fulfill their role and assist others in completing the project.
- All projects must, at a minimum, have a person assigned to the project roles of PX, PM and PP.
- Under certain conditions, it may be appropriate for a single person to fill multiple roles, provided all non-negotiables are maintained. The MVP is responsible for approving these exceptions.
- Everyone assigned to a project role must have the time and expertise to fulfill that role.
- A project role cannot be shared by two or more people. A single person must be fully responsible for the entire role.
- Individuals can fill different project roles on different projects, provided they are adequately qualified for each role.

During the Pursuing Phase

1. Assignment of Project Roles During Pursuing Phase

a. PX: Request a PM

- i. At the start of the pursuit, the PX requests an appropriate PM from the MVP or MLL, considering both the project and Client, and the PM availability.

Notes:

- The role of PX is assigned prior to the Go/No-Go decision to pursue the project.
- In most Markets, the PM assignment is approved by the MVP or MLL.

- ii. The MVP approves the selection of PM.

Notes:

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Procedure: Project Roles and Responsibilities	Approval: Wharton	Page: 5 of 7

- The PM should have sufficient technical background to manage the project and effectively communicate with the Client on the project type they are managing.
 - The PM should demonstrate success with smaller projects before being assigned as PM on more complex, mid-size and larger projects.
- b. MVP: Approve Proposed Dual Project Roles
- i. If the PX and PM roles are to be fulfilled by the same person, confirm that the time commitments needed to fulfill these multiple roles will not negatively impact the time available to pursue other projects, or the time available to manage the project. This also applies to the PX and PD/TA roles being filled by the same person.
 - ii. Ensure proper checks and balances are in place when the PM and PP roles are to be filled by the same person. Acceptable projects include projects under \$50,000 involving single disciplines, and when that person has demonstrated past success with the responsibilities associated with each role.
- c. PM: Request PD/TA, PPs, and Key Project Team Members
- i. Identify PD/TA, PPs, and key Project Team members based on project needs during the project pursuit. These roles are typically, but not always, involved in the pursuit.
 - ii. Evaluate all team members assigned to the project to confirm that their experience, past performance, and availability matches the needs of the project and Client.
 - iii. If a single person is going to fulfill multiple roles, they must have demonstrated past success in each of those roles on similar projects.
 - iv. Contact applicable DMs/DLs or MLLs to request assignment of PD/TA, PPs, and key Project Team members to the pursuit and/or project. If a critical PD/TA or PP is not available and no suitable alternatives are identified, contact the MVP for assistance.
- d. DM/DL/MLL: Approve PM project staffing requests or recommend alternates if the requested personnel are not available.

During the Planning Phase

2. Confirmation/Assignment of Project Roles During Planning Phase

- a. PM: Confirm Project Team Availability
- i. For awarded projects, confirm with DMs/DLs or MLLs the continued availability of requested Project Team members.
 - ii. Coordinate with PPs to identify additional Team Members, as needed.

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- iii. Contact applicable DMs/DLs or MLLs to request/confirm assignment of additional Team Members. If a critical staff resource is not available and no suitable alternatives are identified, contact the MVP for assistance.
 - b. DM/MLL: Approve PM project staffing requests or recommend alternates if the requested personnel are not available.
 - c. PM: Determine the prime discipline and assign the role of LPP to the PP for that discipline.
- 3. PM: Document the staff assignments in Vantagepoint.

F. FORMS

G. RECORDS

None

H. MEASUREMENTS

None

I. EXHIBITS

- 1. [Exhibit PM-2-EX1](#): Project Roles and Responsibilities – Exhibit
- 2. Project Playbooks by Role
 - a. Assistant Project Manager Playbook
 - b. Project Executive Playbook
 - c. Project Manager Playbook
 - d. Project Professional Playbook

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J. REVISION HISTORY

Rev. No.	Date	Approval	Summary of Changes
1	08.31.2017	Wharton/McGormley	Added definition of Coordinating Project Professional
2	11.01.2017	Wharton/McGormley	Added BIM Coordinator role
3	02.12.2018	Wharton/McGormley	Replaced accountability with responsibility
4	09.06.2018	Wharton/McGormley	Updated role descriptions
5	05.16.2022	Wharton/Guinan	Updated role descriptions, added Exhibit 2
6	12.21.2023	Wharton	Revised PMF-21 to PMF-2, minor edits
7	08.05.2024	Wharton/Riddell	Updated for PEP move to Vantagepoint

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Quality Management System

QMS Process Section: Planning and Managing Work	Revision: 8 Date: 10.30.2025	Number: PM-3
Procedure: Developing/Updating a Project Execution Plan	Approval: John Wharton	Page: 1 of 8

A. PURPOSE

1. This procedure addresses Gresham Smith's standard practice for planning projects. It identifies all the elements of a well-planned project and identifies how these elements are pulled together into a cohesive Project Execution Plan (PEP). This procedure addresses the project activity from the Pursuit Phase through the Execution Phase.

B. SCOPE

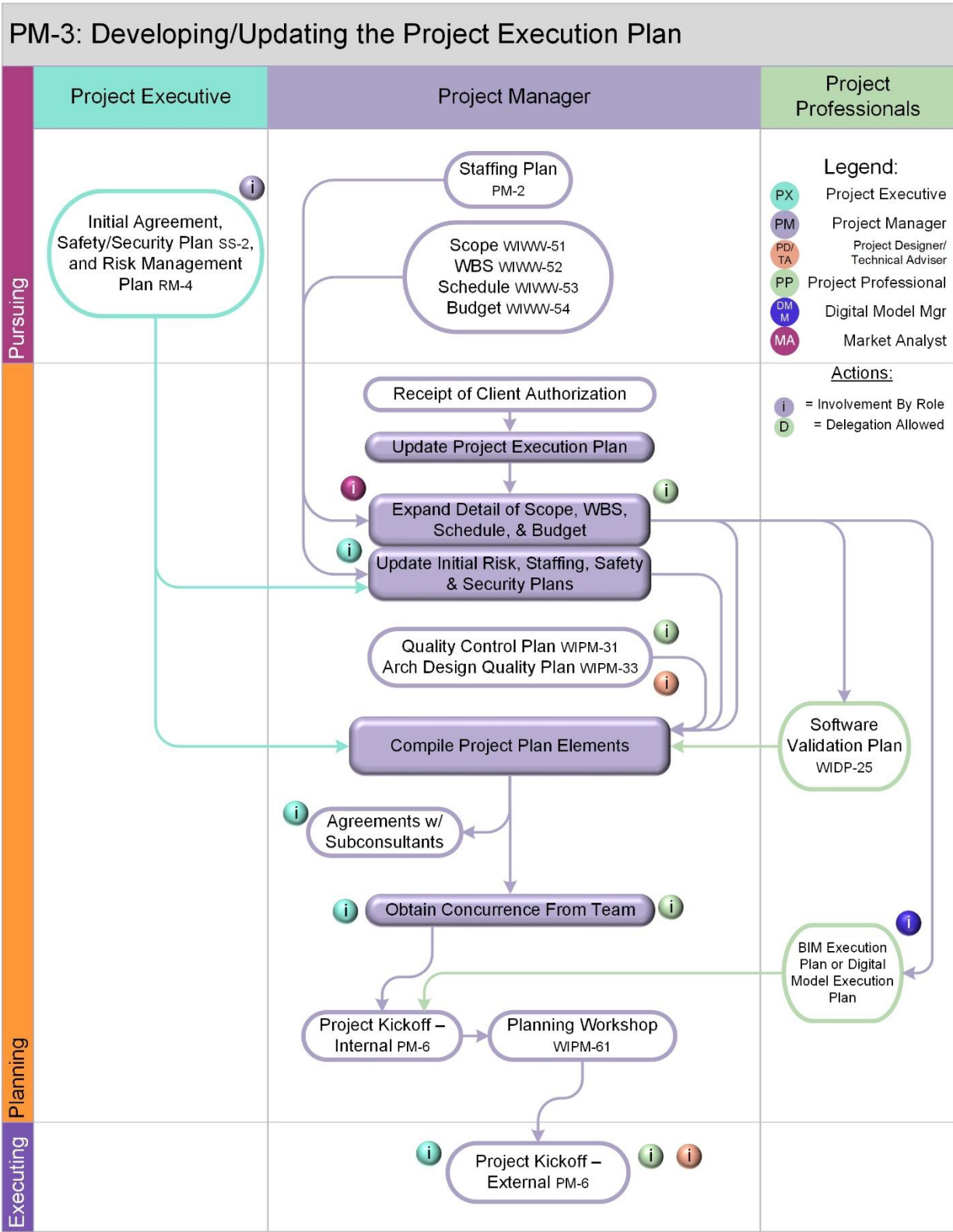
1. This procedure forms the core of the planning process and shows the relationship between the PEP and other portions of the "Planning and Managing Work" process.
2. This procedure applies to all projects in Gresham Smith. The degree of development of each PEP element is intended to be scalable to match the size and complexity of the project.
3. Note: The PEP is a living document; The PM should update the PEP throughout the project duration as changes occur.

C. DEFINITIONS (Refer to QM-7, "[Definitions](#)" for definitions of these and other terms)

1. Agreement
2. Digital Data
3. Qualified Reviewer
4. Quality Assurance (QA)
5. Quality Control (QC)
6. Quality Management System (QMS)
7. Quality Control Plan
8. Roles and Responsibilities (PX, PM, PP, LPP, etc.)
9. Risk Management Plan
10. Safety Plan
11. Scope of Services (SOS)
12. Subconsultant
13. Work Breakdown Structure (WBS)

Gresham Smith – Quality Management System		
QMS Process Section: Planning and Managing Work	Revision: 8 Date: 10.30.2025	Number: PM-3
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D. FLOW CHART



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E. PROCEDURE

During the Pursuing Phase:

1. PX: Develop components of the PEP that are pertinent during the Pursuit. There is a Vantagepoint tool for capturing this information, called the Project Execution Plans Hub. Information includes:
 - a. PX: Executed Agreement: Execute the agreement with the Client in accordance with Gresham Smith policies. Include a digital data exhibit. See [“Transferring Digital Data”](#) (WIDP-84) for additional guidance.
 - b. PX: Prepare an initial Risk Management Plan captured on the Risk Register tab of the PEP. See [“Risk Management Plan”](#) (RM-4) for additional guidance.
 - c. PX/PM: Prepare a Scope, WBS, Schedule, and Budget. Refer to [“Developing a Scope of Services”](#) (WIWW-51), [“Developing a Work Breakdown Structure”](#) (WIWW-52), [“Developing a Project Schedule”](#) (WIWW-53) and [“Developing a Project Budget”](#) (WIWW-54).
 - d. PX/PM: Prepare an initial Safety and Security Plan, captured on the Safety tab of the PEP. See [“Developing a Safety and Security Plan”](#) (SS-2) for additional guidance.
 - e. PX/PM: Prepare an initial Staffing Plan, captured in the “Projects” Hub, Plan, Labor tab. See [“Roles and Responsibilities”](#) (PM-2) for additional guidance.

Note: During this phase, the PX will discuss with the Client that we use Newforma for our Document Management System (DMS), and that the use of the Client’s or Contractor’s DMS will be extra effort, requiring compensation. There is a clause regarding use of Newforma in our standard agreements, and this should be incorporated into the project agreement, even if it is a non-Gresham Smith agreement form.

During the Planning Phase:

2. PM: Following receipt of a formal authorization from the Client, and prior to beginning work, the PM will update the PEP. Obtain completed information from related procedures noted above and incorporate into the project plan. If any of the above items were not completed during the Pursuing Phase, they must be prepared or completed in the Planning Phase.
3. PM: Provide relevant information to the Gresham Smith APM to update the project in Vantagepoint. The APM will coordinate with Gresham Smith Accounting staff to establish project specific billing terms for invoicing.
4. PM: Expand the level of detail of the WBS, scope, schedule and budget that were developed during the Pursuing phase, as appropriate for the size and complexity of the project. It is common that the WBS will be expanded to breakdown the scope, schedule, and budget into smaller units in order to improve the project team’s ability to manage.
5. PM: Expand the Risk Management Plan to include any additional risks that may have been identified, and to address anything that has changed.

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Note: Most of the risks associated with the Project Agreement terms and conditions should have been mitigated during the contract negotiation.

6. PM: Expand the Safety and Security Plan to include any additional safety hazards or security requirements that may have been identified, and to address anything that has changed.
7. PM: Update the Staffing Plan, in accordance with the project specific roles and responsibilities.
8. PM: Create the Quality Control Plan on the “QC Plan” tab of the PEP, including creation of the QC Check Coversheets. This documents the type of checking to be provided at each project milestone, as well as the timing of QC activities, and identifies the qualified reviewer(s) assigned to perform the checks. Refer to [“Developing a Quality Control Plan”](#) (WIPM-31).
9. PM/PP/SDL: If applicable, prepare the Architectural Design Quality Plan, which documents the people who will be involved in reviewing the architectural building design, and at what intervals it will be reviewed. This information is captured in the “Arch Design Review” tab of the PEP. Refer to [“Planning for Architectural Design Quality Reviews”](#) (WIPM-33).
10. PM/PP: Provide the Software Validation Plan, which documents that the software to be used on the project has been validated to ensure that the results of the software are correct and reliable. This is intended to confirm that any vendor software or spreadsheets we develop provide correct results, if the results are to be used as the basis for our deliverables. This information is captured in the “Software Validation” tab of the PEP. Refer to [“Developing a Software Validation Plan”](#) (WIDP-25). This is not required for software that has been previously validated by Information Technology or Practice Technology.
11. PM/PP/Digital Model Manager (DMM): If the project involves the preparation of a model, prepare a separate BIM Execution Plan (Vertical) or Digital Model Execution Plan (Infrastructure), to document the methodology and modeling level of detail for the model.
12. PM: Execute agreements with Subconsultants using Gresham Smith Standard Forms of Agreement. The contract must include a digital data agreement that flows down requirements from our agreement with the Client. See [“Transferring Digital Data”](#) (WIDP-84) for additional guidance. The Scope of Services section of these contracts should also include a requirement for the Subconsultant to participate in our Quality Control processes. Refer to [“Subconsultant Management”](#) (PM-9).
13. PM: Review all tabs in the PEP and verify all applicable information has been entered.
 - a. Complete any open items on the Project Plan tab (See Exhibit 1).
 - b. File attachments and related documents in the 04PM01ProjPlan Folder. File storage expectations are shown in Exhibit 2.

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14. PM: Notify the Project Professionals that the plan is available for viewing in Vantagepoint and request their review and comment.
15. PM: Review the entire Project Execution Plan at the internal project kickoff meeting and update as needed. Refer to "[Project Kickoff Meetings](#)" (PM-6).

During the Executing Phase

16. PM: Review the Project Execution Plan with the Project Team on a regular basis – at least monthly. Update the Plan as necessary. Items that can trigger a change to the Plan include (among others):
 - a. Change in Scope, Schedule, Budget, or Project Criteria. Refer to "[Change Management](#)" (PM-8).
 - b. Change in Personnel (Client or Gresham Smith) or other project resources.
 - c. Risk Management: New risks, risk reduction, risk escalation.
 - d. Safety: New hazards identified, or hazards eliminated. Training identified and completed.
 - e. Security: Identify any new requirements and action plan to address.
 - f. Software: Plans to use a new software tool that has not been previously validated, and acknowledgement that validation activities are complete.
 - g. Quality Control: Changes to QC activity dates, or change in Qualified Reviewers

F. FORMS

1. Project Execution Plan Template in Vantagepoint.

G. RECORDS

1. Project Execution Plan – Final Revision – Stored in Vantagepoint

H. MEASUREMENTS

1. Completed Project Execution Plan that addresses all sections. If a plan element is not applicable, it is acceptable to mark that element accordingly. **(It is not acceptable to leave it blank)**

I. EXHIBITS

1. Example of completed Project Plan tab from the Vantagepoint Project Execution Plan
2. 04PM\01ProjPlan Folder File Storage

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J. REVISION HISTORY

Rev. No.	Date	Approval	Summary of Changes
1	09.08.2017	Wharton	Added Sustainability Plan; Clarified Technology Plan
2	11.01.2017	Wharton	Added Digital Data references and PM\ProjPlan File storage structure
3	09.06.2018	Wharton	Changed Role descriptions and folder structure
4	06.03.2019	Wharton	Modified References to Quality Control Plan and Project Execution Plan
5	05.16.2022	Wharton	Updated cross-references, added Architectural Design Quality Review Plan, and updated exhibits
6	09.12.2023	Wharton	Updated form numbers, minor edits
7	07.08.2025	Wharton	Updated instructions to use the Vantagepoint tool for PEP
8	10.30.2025	Wharton	Removed references to Sustainability Plan tab in Vantagepoint. Added reference to Resiliency Scorecard.

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Exhibit 1 – Example of completed Project Plan tab from the Vantagepoint Project Execution Plan

PROJECT PLAN

RISK REGISTER

QC PLAN

SAFETY

CHANGE LOG

ARCH DESIGN REVIEW

SOFTWARE VALIDATION

QA PLAN

Agreements

Type of Agreement w/Client

None

Type of Digital Data Agreement w/ Client

Included within the Agreement

Type of Agreement w/Subconsultants

Gresham Smith Standard

Type of Digital Data Agrmnt: Subconsultants

AIA E202

Type of Digital Data Agrmnt: 3rd Party

Digital Data Release and Waiver

Invoicing Process:

Gresham Smith Standard

Master Service Agreements (Only if Applicable)

Type of Agreement w/Client

AIA Standard

Type of Digital Data Agreement w/ Client

AIA E202

Type of Agreement w/Subconsultants

Gresham Smith Standard

Type of Digital Data Agrmnt: Subconsultants

AIA E202

Risk Management

Risk Management Plan

No Unusual Risks Identified

Scope of Services

Scope of Services

Scope is in the Agreement

Schedule and Deliverables

Project Schedule

On-call services

Team Meetings

Every Two Weeks

Budget

WBS - see VP project record

Quality

Quality Control Plan

See tab

Arch Design Quality Review Plan

Not Applicable

Subconsultant QCC Coversheets

Subs use our QCCCs

Client's Quality Process

No Special Client Requirements

Quality Assurance Plan

QA Plan located in Quality folder

Resiliency Scorecard

Project has a physical footprint

Yes, Scorecard required

Technology

BIM/Digital Model Execution Plan

Not Applicable

Document Management

Gresham Smith Standard - Newforma

Software Validation Plan

Not Applicable

Safety & Security

Safety & Security Plan

Standard GS Safety Protocols

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Exhibit 2 – 04PM\01ProjPlan Folder File Storage

Folder/Subfolder	Contents
01ProjPlan	Files related to development of the PEP that don't reside in Vantagepoint
00PreC	Pre-Contract items
01Agmnts	File all agreements that involve Gresham Smith here: a) Client Agreements, with Digital Data Exhibit, b) Subconsultant Agreements, with Digital Data Exhibit, c) Digital Data Agreements with 3 rd Parties, d) Change Orders, e) Task Orders, f) Master Agreements.
02RiskMgmt	If the PM chose to prepare a separate Risk Management Plan, it will be filed here.
03TeamR&R	If the PM chose to prepare a separate Staffing Plan, it will be filed here. Mentoring plans, (if applicable) will be filed here.
04Scope	If the scope was incorporated into the agreement, it will be filed in the Agreement folder. If a separate scope document was prepared, it will be filed here.
05Schedule	If the schedule was incorporated into the agreement, it will be filed in the Agreement folder. If a separate schedule document was prepared, it will be filed here.
06Budget	If the budget was incorporated into the agreement, it will be filed in the Agreement folder. If a separate budget document was prepared, it will be filed here.
07WBS	If a separate WBS document was prepared, it will be filed here. If the WBS exceeds Level 3, a copy may be placed in this folder.
08Quality	QC Check Coversheet forms will be filed here. If the PM chose to prepare a separate Architectural Design Quality Plan, it will be filed here.
09PracticeTech	If a separate Software Validation Plan was prepared, it will be filed here. File the Digital Model Execution Plan (if required) or BIM Execution Plan (if required) here.
10Safety	If the Safety and Security Plan tab is filled out in the Project Execution Plan Hub, this folder may be empty. If the PM chose to prepare a separate Plan, it will be filed here.
11Sustainability	If the project has a Sustainability Plan or Resiliency Scorecard, it will be filed here.

Developing a Quality Plan Roles & Responsibilities

This work instruction addresses our standard practice for creating and maintaining a Quality Control Plan. This also applies to our Subconsultants.

During the Planning Phase:

PM: Review the Quality Assurance Plan, use this to develop the Quality Control Plan. If the Client has a more specific requirement, or a more comprehensive plan is needed, edit the QA and QC plans for those needs.

PM: Identify what type of QC activities will be performed. Identify when then will be done.

PP: Identify who will do them.

PM: Align the dates of the QC activities with the project's formal issue deadlines. Identify formal checks needed: Off-Team, Model Integrity/Clash Detection, Cross-Discipline Coordination (CDC) and Constructability. Enter this on the Quality tab on the Project Execution Plan in Vantagepoint.

Note: Subconsultants, if any, must comply with these dates.

Each PP: Identify a Qualified Reviewer (QR) to perform the necessary QC activities. Discuss the project with the identified QR, confirm they are available and can commit to the dates and expectations necessary to meet the project deadlines. Inform the PM of the name of the QR.

PM: Enter the names on the Quality tab.

Note: **PM:** For vertical building projects, develop the Architectural Design Quality Review Plan (ADQ) on the Arch Design Review tab in Vantagepoint.

During the Executing Phase:

PM: Update QC Plan if there is a personnel or schedule change.

Each PP: Discuss the project with the QR throughout the project so they can perform their review more efficiently and provide more value.

PM/LPP: Direct QRs and PPs to Vantagepoint for sign off of QC activities for each formal issue.

Note: Subconsultants, if any, must sign our form as evidence of checking their work for Off-Team, CDC or Constructability Review.

Each PP: Perform QC activities as outlined.

Helpful Links:

Work Instruction [WIPM-31 Developing a Quality Control Plan](#)
Procedure [QM-10 Quality Assurance Plan](#)
[QMF-10 Quality Assurance Plan Checklist](#)
[Vantagepoint QC Check Coversheet Instructions](#)
[Subconsultant QC Check Coversheet - Multi-Discipline](#)
[Subconsultant QC Check Coversheet - Single Discipline](#)

Role	Quality Control Plan Task/Activity Chart	☒
Planning Phase		
PM	Review Quality Assurance Plan	
PM	Identify what types of QC activities are needed	
PM	Identify when the QC activities will be completed	
PP	Identify who will be performing the QC activities	
PM	Enter the formal issue dates on the Quality tab	
PP	Confirm the Qualified Reviewer's availability	
PM	Enter the QR names on the Quality tab	
Executing Phase		
PM	Update PEP with personnel or schedule changes	
PP	Discuss project with QR	
PM	Develop QC Check Coversheet for each formal issue in Vantagepoint	

Exhibit 2 – Example QC Check Cover Sheet

PEP QC Checks(under construction) Summary

Gresham Smith

Number 45760.00

Project Info					
Project Number	45760.00	Project	Honda - H-Light - Li Ion Battery Plant	Submittal Name	Melissa Test 2
Project Manager	Plasg, Terrell	Completed Date		PM Signature	
Self Check					
Discipline	Project Professional	Signature	Date	Complete	N/A
Civil	Jackson, Michele	Powell, Melissa	6/19/2024	N	Y
Bridge	Dretchen, Kimberly	Powell, Melissa	6/19/2024	N	Y
Construction (CEI)	King, Stephen	Powell, Melissa	6/19/2024	N	Y
Architecture	Powell, Melissa	Powell, Melissa	6/19/2024	N	Y
Cross Discipline Check					
Discipline	Cross Discipline	Project Professional	Complete	N/A	Signature
Architecture	Civil	Powell, Melissa	N	Y	
Bridge	Architecture	Dretchen, Kimberly	N	Y	Powell, Melissa 6/19/2024
Construction (CEI)	Architecture	King, Stephen	N	Y	Powell, Melissa 6/19/2024
Civil	Architecture	Jackson, Michele	N	Y	Powell, Melissa 6/19/2024
Architecture	Construction (CEI)	Powell, Melissa	N	Y	Powell, Melissa 6/19/2024
Construction (CEI)	Bridge	King, Stephen	N	Y	Powell, Melissa 6/19/2024
Civil	Bridge	Jackson, Michele	N	Y	
Bridge	Civil	Dretchen, Kimberly	N	Y	
Bridge	Construction (CEI)	Dretchen, Kimberly	N	Y	Powell, Melissa 6/19/2024
Architecture	Bridge	Powell, Melissa	N	Y	Powell, Melissa 6/19/2024
Off Team Check					
Discipline	Reviewer	Complete	N/A	Signature	Date
Bridge	Powell, Melissa	N	Y	Powell, Melissa	6/19/2024
Construction (CEI)	Baltz, Joshua	N	Y	Powell, Melissa	6/19/2024
Architecture	Jackson, Michele	N	Y	Powell, Melissa	6/19/2024
Civil	Dretchen, Kimberly	N	Y		
Constructability Review					
Discipline	Reviewer	Complete	N/A	Signature	Date
Construction (CEI)	Freudenthal, Matthew	N	Y	Powell, Melissa	6/19/2024

Constructability Review							
Discipline	Reviewer	Complete	N/A	Signature	Date		
Bridge	Jackson, Michele	N	Y	Powell, Melissa	6/19/2024		
Civil	Powell, Melissa	N	N				
Architecture	Dretchen, Kimberly	N	Y	Powell, Melissa	6/19/2024		
External Reviewers							
Discipline	Firm	Reviewer	Complete	N/A	Date	Signature	
Civil	Civil Design Construction, Inc.	Weston, Karla	N	N			
Architecture	(i)evolution Architecture	Frye, Christopher	N	N			
Bridge	AERO BridgeWorks, Inc.	Gray, Allan	N	N			
Resolution							
Discipline	Project Professional	Cross-Discipline Complete	Cross-Discipline N/A	Off-Team Complete	Off-Team N/A	Constructability y Complete	Constructability N/A
Architecture	Powell, Melissa	N	N	N	N	N	N
Civil	Jackson, Michele	N	N	N	N	N	N
Bridge	Dretchen, Kimberly	N	N	N	N	N	N

Exhibit 1 – Example Quality Control Plan

Project Execution Plans Find project execution plan

Blue Sky Ent. Business Park

PMF-31 Quality

Complete the Quality Control Plan which documents the discipline project professionals, the type of checking to be provided at each submittal stage, who will do the checks (Qualified Reviewers), and when the checks will be done. Note: The PP will verify the checker is qualified by virtue of relevant PAST EXPERIENCE with a similar project.

Revision Date 7/18/2024

WIPM-31-SF Quality Control Plan Short Form

This tab also serves as the jumping off point for creating the QC Check Coversheets.

Create QC Check Coversheet

Submittal Name Issued for Permit Submittal Date 10/31/2024

Type of check planned (enter a date for all that apply for this submittal, otherwise leave blank).

Self-Check by PP 10/14/2024 Cross-Discipline Check Start 10/21/2024 Off-Team Check Start 10/21/2024

Constructability Check Start None Model Integrity/Clash Detection Check None

Cross-Discipline Check End 10/25/2024 Off-Team Check End 10/25/2024

Constructability Check End None

Project Professionals and Qualified Reviewers

DISCIPLINE	N/A	PROJECT PR...	OFF-TEAM RE...	CONSTRUCTA... REVIEWER
Electrical	☐	John Wharton	Randy Hartfeld	
Architecture	☐	Gus Alfonso	Katie Nawrath	
Roadway	☐	Jody Braswell	Diane Regensbr	

+ Add Project Professionals and Qualified Reviewers

External Reviewers

DISCIPLINE	FIRM	CONTACT
Civil	Stantec Consult	

+ Add External Reviewers

QC Check Coversheets

SUBMITTAL	DUE DATE	COMPLETED DATE
Schematic Design	7/29/2024	
60% Submission	9/20/2024	



Quality Management System

QMS Process Section: Safety and Security	Revision: 3 Date: 11.14.2024	Number: SS-2
Procedure: Developing a Safety & Security Plan	Approval: John Wharton	Page: 1 of 8

A. PURPOSE

1. This procedure documents a Safety & Security Plan and provides the details necessary to support the development of a complete and effective plan. The procedure provides a methodology for the identification of the potential hazards, evaluation of the probability and severity of those hazards, and potential plans to mitigate or eliminate the hazard.

B. SCOPE

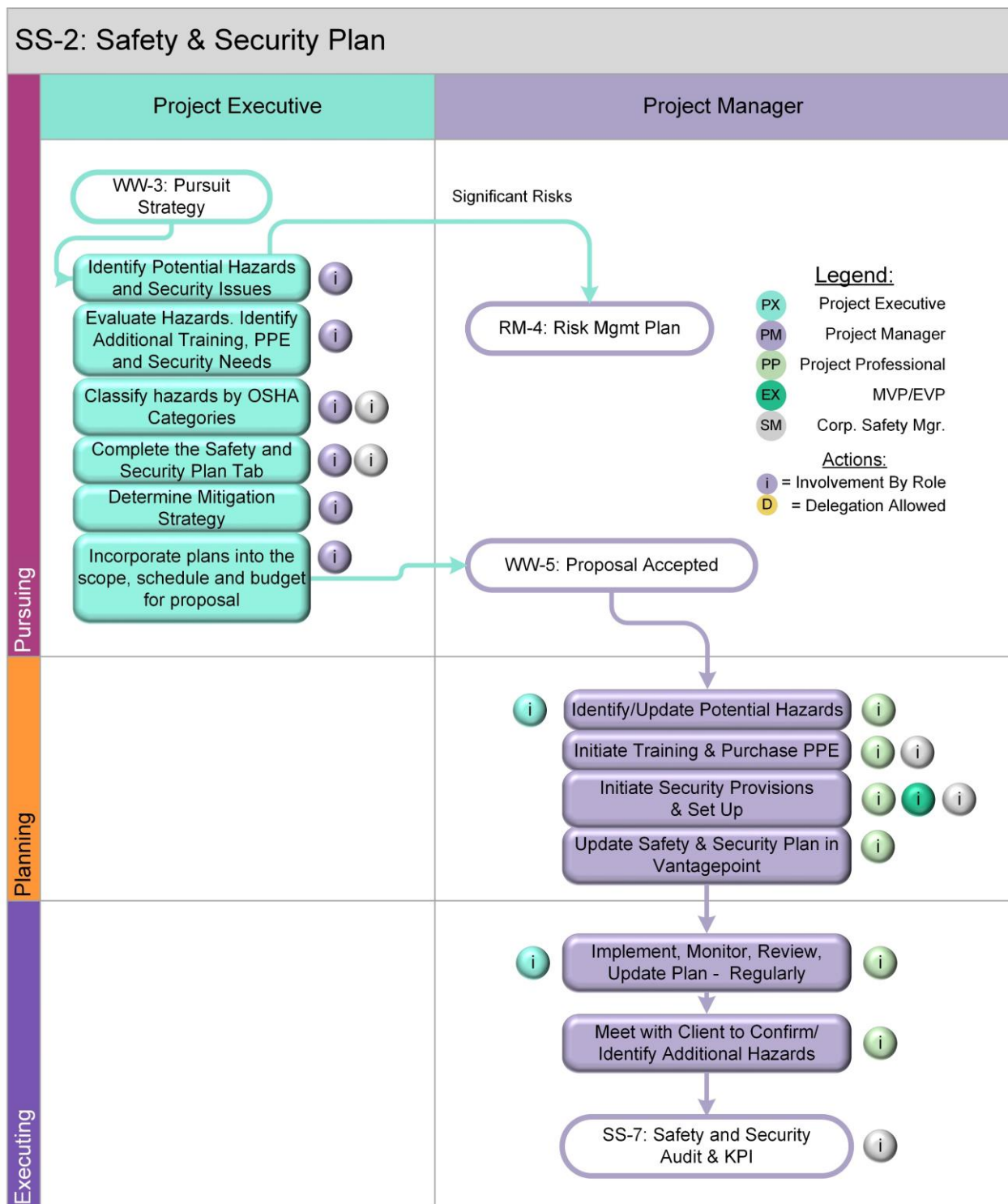
1. This procedure applies to all projects and describes the standard options available on the Safety tab of the Project Execution Plan in Vantagepoint for capturing issues related to Safety and Security for Gresham Smith personnel. This procedure is not a replacement for the Contractor's Safety & Security plan.
2. Safety & Security planning begins during the "Pursuing" phase – before a proposal has been submitted – and continues throughout the life cycle of the project. The major planning efforts take place during both the Pursuing and Planning phases, after which the efforts will primarily focus on ensuring the plan is followed by the project team, identifying additional hazards that may arise, and monitoring for compliance to the plan.
3. The intent is to address elements of the project that are intended to be included in our scope – including working in the office, working at the Client's office, conducting existing facility/site investigations or conducting field observations. Guidance is provided for typical scenarios but is not to be considered comprehensive. See the Gresham Smith [Safety Manual and Supporting Programs](#) for further guidance, training and recommendations.
4. The plan intends for the PX and PM to identify issues that are beyond the scope of "typical" hazards for which the majority of our staff will have been trained. (Not to identify common hazards that are covered by our firmwide safety training.) These atypical or unusual hazards are to be identified and then a plan must be developed to address how we will work in a safe and secure manner in that condition – through awareness, training, and proper PPE. The PM is not expected to identify every possible hazard.

C. DEFINITIONS (See QM-7, "[Definitions](#)" for definition of terms used in this procedure)

1. Consequence
2. Exposure Risk/Likelihood
3. Mitigation
4. Personal Protective Equipment (PPE)
5. Safety Hazard Mitigation Strategies

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D. FLOW CHART



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E. PROCEDURE

During the Pursuing Phase:

1. PX: Identify Potential Hazards

- a. Understand and be familiar with the types of hazards that are covered by Gresham Smith's standard hazard awareness training.
- b. Identify specific hazards that may occur on the project that are not covered in Gresham Smith's standard hazard awareness and PPE training. Hazards in this category will require a mitigation plan, and potentially require project personnel to undergo additional training and possibly wearing additional PPE beyond what we typically supply to our employees. Focus on events or conditions that are likely to occur, rather than remote possibilities.

Note: See [Exhibit 1](#) for a listing of what types of hazards and PPE are addressed in the standard hazard awareness training.

Note: Identifying hazards usually begins by identifying the potential sources of hazards.

- Early identification of sources leads to early identification of hazards, and early mitigation plans may reduce or eliminate consequences if they occur.
- Hazard sources can include any of the following:
 - i. Materials of construction
 - ii. Methods of construction
 - iii. Sequence of construction
 - iv. Housekeeping
 - v. Equipment operation
 - vi. Methods of storage and retrieval
 - vii. Site conditions
 - viii. Others
- Hazards may be present or absent in certain time periods – design, construction, operations, or maintenance.

2. PX: Identify Client Security requirements specific to the project

- a. Determine actions required to address Client Security requirements, such as personnel badging, restricted areas, special clearance approvals.
- b. Identify responsible party to provide or set up Client Security requirements. This might be the Client or a third party the Client has contracted with.
- c. Identify project team members that will require these additional provisions.
- d. Record the hazards in the Safety & Security Plan.

3. PX: Evaluate Hazards for Likelihood and Severity

- a. All identified hazards should be evaluated in terms of likelihood (and severity) of consequence. Hazards that are highly impactful and highly likely require a mitigation plan, whereas hazards that are either highly unlikely OR minimally impactful would

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only require mitigation at the discretion of the PX or PM. Classify hazards as Low, Medium or High in the Safety tab.

- b. Determine potential mitigation plans. Any significant safety risks may also go on the Risk Register (Risk tab in Vantagepoint).
 - c. The evaluation of hazards will inform the Go/No-Go Process and have potential impact on project cost and schedule.
 - d. Identify additional training, PPE and security measures that may be needed.
 - e. Early evaluation of hazards will help the PX determine how to embed language in the proposal that mitigates risk and/or builds contingency into the fee for hazards that cannot be eliminated.
4. PX: Classify Hazards by OSHA Categories
 - a. Grouping the identified hazards into categories is useful for identifying common approaches to mitigate or account for certain hazards. For example, if there are multiple hazards that pose a health concern due to respiration of dust or powders, there are common approaches to training and PPE specific to this type of hazard.
 - b. Gresham Smith groups hazards using the same terminology that OSHA uses.
 - i. Biological Hazards
 - ii. Chemical and Dust Hazards
 - iii. Safety Hazards (Contact)
 - iv. Physical Hazards (Non-Contact)
 - v. Ergonomic Hazards
5. PX/PM: Complete the Safety and Security plan
 - a. Record the hazards in the Safety & Security Plan. Options to select from are available on form SSF-2, included in the Safety tab of the Project Execution Plan in Vantagepoint.
6. PX/PM: Determine Mitigation Strategy
 - a. Mitigating hazards requires judgment to weigh the impact of eliminating or reducing the hazard versus the impact of working in the presence of the hazard with the use of PPE and training. OSHA standards identify the following strategies to deal with hazards include the following options (see QM-7 for Definitions):
 - i. Eliminate
 - ii. Control: Physical Change
 - iii. Control: Change Work Plan
 - iv. Accept

Note: In some cases, there will be a need to monitor the situation, or do more investigation/research before determining whether a mitigation plan is needed. In these cases, the PX has essentially decided to accept the hazard until such time as the situation is clarified.

Note: Guidelines for identifying and mitigating hazards are provided in Exhibit 1.
7. PX: Incorporate Safety & Security Plans into the Proposal

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- a. Incorporate appropriate language into the proposal that clearly explains the limits in our scope, approach, schedule, etc. based on the hazard analysis that has been performed.
- b. Incorporate contingencies on fee appropriate for those areas where hazards cannot be eliminated completely – incorporating the cost of training, additional PPE, and other considerations.

During the Planning Phase:

8. PM: Identify/Update Potential Hazards: Before beginning the project work, the PM will update the Safety & Security Plan to incorporate information learned during the proposal, negotiation, and Client meetings. This should be done before the project kickoff meeting because the project plan will invariably be affected by the identified hazards.
9. PM: Implement training, purchase of PPE, and Initiate Security Provisions.

During the Executing Phase:

10. PM/PX/PP: Monitor, Review, and Update the Safety & Security Plan on a regular basis.
 - a. Meet with the Client and Contractor to determine if there are additional hazards to be addressed, or additional information about previously identified hazards that will impact the plan.
 - i. Determine when the team will meet (select meeting dates) to have specific discussions to identify, analyze, and address any new hazards that may arise. Team meetings should occur prior to first site visit or prior to pre-bid walk through/meeting or prior to Construction Contract Administration Kickoff meeting with Contractor.
11. PM: Implement the Mitigation plans that have been identified.
 - a. Confirm that affected project team members have already received the standard Gresham Smith hazard awareness training. If any team members have not been trained, schedule them to receive training before allowing them to visit a Client's site or construction site.
 - b. Arrange for project team members to receive any training that has been identified for unusual hazards.
 - c. Purchase and assign PPE for personnel who will be working in areas where the identified hazards exist. Determine if expense can be considered a direct cost to the project.
12. PM: Update the plan to indicate whether safety training, security measures, and PPE assignment has been completed.
13. PM: Monitor the project conditions to identify additional hazards and/or additional security requirements or personnel that need additional provisions and ensure that the plan is being implemented effectively.

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Note: Internally reviewing the project for compliance to plan and measurement of the effectiveness of the plan, is covered in SS-7, “Safety & Security Audit and KPI” (in development).

F. FORMS

1. Safety & Security Plan, included as the Safety tab in the Project Execution Plan.

G. RECORDS

1. None

H. MEASUREMENTS

None

I. EXHIBITS

1. Standard Gresham Smith Hazard Awareness Training: Types of hazards and PPE required
2. Example Safety & Security Plan

J. REVISION HISTORY

Rev. No.	Date	Approval	Summary of Changes
1	09.06.2018	Wharton	Updated Role Definitions
2	05.04.2022	Wharton	Updated PM Plan Form references, renumbered to SS-2, update “hazard” to “risk”. Added Client Security requirements.
3	11.14.2024	Wharton	Updated references to the Safety & Security plan in Vantagepoint. Streamlined content.

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Gresham Smith – Quality Management System		
QMS Process Section: Safety and Security	Revision: 3 Date: 11.14.2024	Number: SS-2
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Exhibit 1: Standard Gresham Smith Hazard Awareness Training: Types of hazards and PPE required

Typical Hazards Identified (Covered by Standard Training)	Training Required/Course Name	PPE Required (List)
Safety Hazards – Contact		
Beams And/or Pipes (Low-Hanging)	Hazard Awareness	Hard Hat
Confined Spaces - Hazard Awareness	Hazard Awareness, Hazard Communication	
Construction Site Entry	Hazard Awareness	Hat, Glasses, Shoes
Falling Objects	Hazard Awareness	Hard Hat
Materials That May Scrape, Bruise, Cut, Or Burn	Hazard Awareness	Gloves, Clothing
Tripping Hazards (cords on the floor, uneven surfaces)	Hazard Awareness	Shoes
Walking Surfaces That Are Slippery, Uneven or Poorly Marked	Hazard Awareness	Shoes
Working Near Moving Traffic	Hazard Awareness	Colored Vest
Working Near Water or Spills	Hazard Awareness	Shoes
Driving	Defensive Driving	
Exposed Electrical Wiring or Components	Electrical Hazard Awareness	Gloves, Hard Hat, Shoes
Physical Hazards – Non-Contact		
Loud Or Noisy Work Environment	Hazard Awareness	Earplugs
Other:		
Ergonomic Hazards		
Computer Workstation Ergonomics – Chair and Desk arrangement	Ergonomics	
Biological Hazards		
General Biological Hazards	Hazard Awareness	
Chemical and Dust Hazards		
General Chemical/Dust Hazards	Hazard Awareness	

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Exhibit 2: Example Safety & Security Plan

Project Execution Plans

Find project execution plan

Selection1 of 1

+ New Project E

Blue Sky Ent. Business Park

Last modified 11/8/2024 03:32 pm by John Wharton

PROJECT PLAN

RISK REGISTER

QC PLAN

SAFETY

CHANGE LOG

ARCH DESIGN REVIEW

SUSTAINABILITY

SOFTWARE VALIDATION

ACTIVITIES

SSF-11 Safety

Click + *Add Safety Plan* and + *Add Security Plan* to add rows to the grids for data entry. The safety plan is intended to have the PM identify safety issues that are likely to be encountered at the construction site or Client's operating facility. When such conditions exist, they are to be identified, note what we plan to do to protect our staff - make changes to the work site, changes to our work plan, or wear PPE - and ensure that we get training for the affected personnel. The security plan is intended to prepare the staff for issues that will impact access to a Client's site.

Revision Date
11/8/2024

[SS-2: Developing a Safety & Security Plan Procedure](#)

Safety Plan ⓘ

LIST HAZARDS THAT ARE NOT COVERED BY STANDARD GS SAFETY TRAINING ⓘ	EXPOSURE RISK	MITIGATION STRATEGY	NON-STANDARD TRAINING REQUIRED ⓘ	NON-STANDARD PPE REQUIRED ⓘ	PERSON(S) TO RECEIVE TRAINING/ PPE	COMPLETE
Biological Hazards: Exposure to Infectious Diseases (COVID, Flu, OI	M	Accept: Wear PPE (w/Trai	None			☐
Safety Hazards – Contact: Working near an open trench	M	Accept: Wear PPE (w/Trai	Trench Safety Video Req'c	Fall Arrester	Karen Aldrich	☒
Extensive Noise Exposure	H	Accept: Wear PPE (w/Trai	None			☐
Chemical and Dust Hazards: Airborne dust or small particles	M	Control: Change Work Pla	None			☐

+ Add Safety Plan

Security Plan

SECURITY REQUIREMENTS SPECIFIC TO THE PROJECT ⓘ	ACTION REQUIRED	PERSON RESPONSIBLE	PERSON(S) REQUIRING ACCESS	COMPLETE
Required to attend Client Security Orientation	All employees attend prior to site	Laura Guinan	All Project Team members	☒



Quality Management System

QMS Process Section: Planning and Managing Work	Revision: 8 Date: 10.30.2025	Number: WIPM-31
Work Instruction: Developing a Quality Control Plan	Approval: John Wharton	Page: 1 of 6

A. PURPOSE

1. This work instruction addresses Gresham Smith's standard practice for creating and maintaining a Quality Control Plan.

B. SCOPE

1. This work instruction applies to all projects in Gresham Smith. The degree of development of the Quality Control Plan is intended to be scalable to match the size of the project.
2. The scope of this document includes our subconsultants. Subconsultants must fully participate in our Cross-Discipline Coordination Check. Subconsultants are required to produce evidence that Quality Control Checks took place for each Formal issue. See ["Document Checking and Authorization"](#), DP-7.

C. DEFINITIONS (See ["Definitions"](#), QM-7)

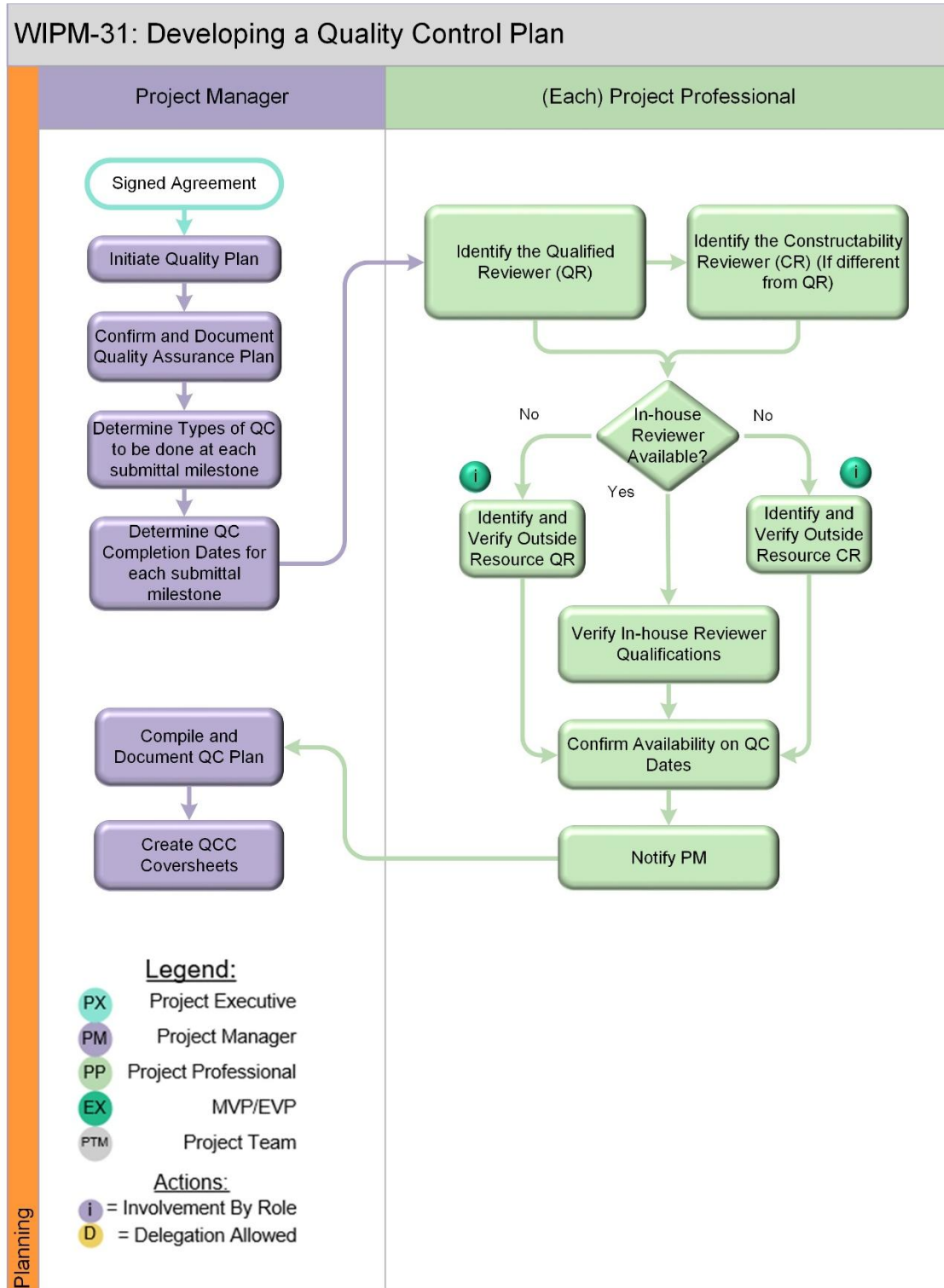
1. Formal Check: Types of Formal Checking Include: Off-Team Check, Cross-Discipline Coordination (CDC) Check, Constructability Review
2. Roles: Constructability Reviewer (CR), Project Professional (PP), Qualified Reviewer (QR)

Notes:

- If a Market has a listing of designated Qualified Reviewers and Constructability Reviewers, the QR or CR must be from this list.
- Although the QR is not part of the project team, the team is encouraged to inform the QR periodically as significant decisions are made. This will provide valuable context to the QR prior to their review.

Gresham Smith – Quality Management System		
QMS Process Section: Planning and Managing Work	Revision: 8 Date: 10.30.2025	Number: WIPM-31
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D. FLOW CHART



Gresham Smith – Quality Management System		
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E. WORK INSTRUCTION

1. PM: Confirm the Quality Assurance Plan

- a. The default for all projects is to use Gresham's Smith Quality Assurance Plan (See "[Project Quality Assurance Plan](#)", QM-10), which requires us to use our standard QMS procedures, work instructions and tools as the means to produce our work.
- b. For projects where the Client has a specific requirement, or a more-comprehensive QA plan is required, the PM will produce a specific QA Plan.

2. PM/PP: Develop the Quality Control Plan

- a. The QC Plan will address what type of QC Activities will be performed, who will perform the QC Activities, and when the QC Activities will happen. An example QC Plan – a tab in the Project Execution Plan (PEP) in Vantagepoint – is included as [Exhibit 1](#).
- b. PM: Review the schedule to determine formal issue dates. Frequently, the project will have four formal submittals: Concept/Design Basis Review (10-15%), Preliminary/Schematic Review (30%), Design Development (60%), and Construction Documents/IFC/Final Report (100%).
- c. PM: Identify the types of Formal Check activities to be completed at each milestone. Types of Formal Check include Off-Team Check, Clash Coordination Check, Cross-Discipline Coordination Check, and Constructability Review (See QM-7, "[Definitions](#)").
 - i. The minimum level of Formal Checking at each milestone is an Off-Team Check.
 - ii. If this is a multi-discipline project, a Cross-Discipline Coordination Check is also required at each formal issue milestone.
 - iii. Clash Coordination Checks must be performed once the model is approaching Design Development/60% Completion, Construction Documents/100% Completion and before issuing to a third party.

Note: A Self-Check and sign-off is required prior to sending the documents to the Qualified Reviewer.

- d. PM/PP: Review the detailed project schedule milestones and identify the dates when QC activities must be completed to support the issuance of project documents. Subconsultants, if any, must agree to these dates.
- e. PP: Identify a Qualified Reviewer and Constructability Reviewer who will perform the QC Activities for that discipline. This requires the PP to specifically verify that the QR has prior relevant experience in the work that will be done on the subject project.
 - i. Contact the MVP or Market Leader in your office for guidance on people who may be qualified to be the QR.

Gresham Smith – Quality Management System		
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- ii. PP/MVP: If there is not a Qualified Reviewer available (either the company has no one who is qualified, or none of the qualified individuals are available to provide the review), hire an independent Consultant for this task. It is more important to have a qualified person review the work than it is to keep the QC work in-house.
 - iii. The CR may be an in-house person or third party. If a Contractor has been hired at the time of the review, one of their personnel may be asked to do this review.
 - f. PP: Arrange with the Qualified Reviewer in advance to confirm that they are available and will commit to perform their services on the dates specified in the plan.
 - g. PP: Inform the PM of the name of the Qualified Reviewer and Constructability Reviewer. This constitutes affirmation that the PP has discussed the experience criteria with the reviewers and confirmed that the reviewers are qualified, and that they are available.
- Note: It is acceptable to have the same or different reviewers provide the Off-Team Check and the Constructability Review.
- 3. PM: Compile input from the PPs into the QC Plan.
 - a. Complete the QC Plan tab in the PEP in Vantagepoint. (See [Exhibit 1](#))
 - 4. PM: Create Coversheets for each submittal. Once Coversheets are created, checking activities can be initiated for each submittal. Doing this step in the Planning Phase is best practice. (Note that any changes in dates or personnel must be made in the QC Plan tab and then update the Coversheet.)
 - 5. PM: For appropriate vertical building projects: Develop the Architectural Design Quality Review Plan (ADQ) in the “Arch Design Review” tab within the PEP in Vantagepoint:
 - a. The ADQ will address the Design Information, including the Client Vision and Big Idea.
 - b. Complete the Review Stages, Meeting Dates, Review Committee names and Project Design Leader names, see “[Planning For Architectural Design Quality Reviews](#)”, WIPM-33.
 - 6. PM: Update the plan when there is a change, such as a schedule change or QR is no longer available when needed.
 - 7. PP: Engage with the QR throughout the project to keep them informed of significant decisions and/or changes that will impact the scope, schedule, or budget of the project. This will assist the QR in quickly coming up to speed when the time comes to do the check.

F. FORMS

- 1. QC Plan, the completed tab in the Vantagepoint Project Execution Plan.

G. RECORDS

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1. Project Execution Plan – Final Revision

H. MEASUREMENTS

1. None

I. EXHIBITS

1. Exhibit 1 – Example Quality Control Plan

J. REVISION HISTORY

Rev. No.	Date	Approval	Summary of Changes
1	11.01.2017	Wharton	Updated to add a suggested QC check at Concept Stage and clarified Self-Check. General format updates.
2	09.06.2018	Wharton	Updated role descriptions and format
3	06.03.2019	Wharton	QA Plan is now external; Renamed Work Instruction to Quality Control Plan
4	05.16.2022	Wharton	Add Model Integrity/Clash Detection checks, rename PM Plan Forms to Project Execution Plan
5	06.30.2023	Guinan	Add Architectural Design Quality Review information. Clarify Subconsultant compliance. Updated PMF-32 to PMF-31.
6	09.15.2023	Guinan	Updated Exhibit with new QC Check Cover Sheet references
7	08.06.2024	Guinan	Update to reflect PEP and Quality Plan moving to Vantagepoint
8	10.30.2025	Wharton	Updated to reflect streamlined QC Plan in Vantagepoint

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QMS Process Section: Planning and Managing Work	Revision: 8 Date: 10.30.2025	Number: WIPM-31
Work Instruction: Developing a Quality Control Plan	Approval: John Wharton	Page: 6 of 6

Exhibit 1 – Example Quality Control Plan

QUALITY CONTROL PLAN

NOTE:
This is not the [Quality Assurance Plan](#). Use the QA Plan tab or provide another Quality Assurance Plan and save that in the quality folder.

Revision Date
9/29/2025

Creating the cover sheets for each submittal is the Quality Control Plan. This plan documents the project professionals for each discipline, the type of checks, who will do those checks and when the checks will be completed for each submittal.

[Quality Control Plan Short Form](#)

CREATE QC CHECK COVERSHEET

Step by step instructions for [creating a QC Check Coversheet](#).

Submittal Name
30% Submission

Submittal Date
10/14/2025

Create QC Check Coversheet

Self-Check by PP ⓘ
10/3/2025

Cross-Discipline Check ⓘ
10/8/2025

Off-Team Check ⓘ
10/8/2025

Constructability Check ⓘ
10/8/2025

Clash Coordination Check ⓘ
10/10/2025

Type of check planned (enter a date for all that apply for this submittal, otherwise leave blank).

Project Professionals and Off-Team Reviewers ⓘ + Add Project Professionals and Off-Team Reviewers

Discipline	Project Professional	Off-Team Reviewer	Constructability Reviewer
Utility	Rick Yeager	Bert Moore, II	
Civil	Randy Hartfelder	Gus Alfonso	Rusty Jones
Structural	Rusty Jones	John Wharton	Randy Hartfelder
Plumbing	John Thomas	Bernadette Scheib	
Report	Tim Arendt	Isabella Richardson	Melanie Knecht
Electrical	John Wharton	Randy Hartfelder	Karen Aldrich

External Reviewers ⓘ + Add External Reviewers

Discipline	Firm	Contact ⓘ
Electrical	TLC Engineering So	Ricardo Walker
Lighting	Alvine Engineering	Aaron Moody
Mechanical	TLC Engineering So	John Hall

QC Check Coversheets ⓘ ⓘ ⓘ

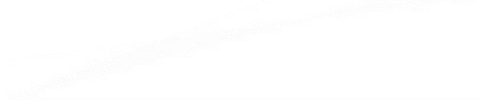
Submittal	Submittal Date	Completed Date
Schematic Design	7/29/2024	8/5/2024
30% Submission	10/14/2025	
Final Site Submittal	9/24/2025	
Design Development	10/28/2024	

APPENDIX B – DISCIPLINE & INTER-DISCIPLINE QC FORMS

- *LADOTD Final Calculation Book Checklist*
- *LADOTD Off-System Guidelines – Survey Checklist – Not Anticipated*
- *GRESHAM SMITH DP-7 Document Checking and Authorization (Page 1 of 12)*
- *GRESHAM SMITH WIPM-31-SF Developing a Quality Control Plan-Short Form Procedure*



THE COVER PAGE OF APPLICABLE GRESHAM
SMITH PROCEDURES AND POLICIES IS
INCLUDED IN THIS DOCUMENT. THE FULL
PROCEDURE WILL BE INCLUDED IN THE
OPERATIONAL VOLUME OF THE QC/QA PLAN



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.

SURVEY CHECK LIST

PROJECT NO.: _____

PARISH: _____

DATE: _____

CHECKED BY: _____

1. _____ Minimum of 4 TBMs (one at each end of project & at each bridge end)
2. _____ North arrow
3. _____ Scale:
4. _____ Name of roadway:
5. _____ Type of roadway:
6. _____ Width of roadway:
7. _____ Centerline elevations - 2 decimals (Asphalt or Concrete) - 1 decimal (Gravel)
8. _____ Bearings
9. _____ Curve data
10. _____ Showing distance to the nearest intersecting roadway on both ends of survey?
11. _____ Elevations & plusses of centerline of channel
12. _____ Stream traverse shown & stationed where it ties to the survey line
13. _____ Structure Number:
14. _____ Description of existing structure in upper right corner?
15. _____ Description of existing structure: W- x L-
16. _____ # of Spans:
17. _____ Type of Bridge:
18. _____ Exist. structure dashed/spans in the plan view
19. _____ Exist. structure dashed/spans in the profile view
20. _____ All existing pipe dashed
21. _____ All cross drains shown in profile (dashed) with flow lines
22. _____ Pipe diameters shown
23. _____ Name of waterway:
24. _____ Flow arrows in stream shown
25. _____ Type of fence spelled out. # strands of B/W shown? Y N N/A
26. _____ Utilities in plan & profile (if buried) shown
27. _____ Utility Owners
28. _____ Existing / Assumed / Apparent R/W
29. _____ Reference Points
30. _____ Low Chord Elevation:
31. _____ Drainage Map
32. _____ Lettering & symbols correct size & weight? Will be legible when reduced to half-size?
33. _____ State Project number and Parish name on field book(s) in permanent ink?
34. _____ Certification in field book(s)?
35. _____ Point listing: numerical order with description, coordinates, elevations?
36. _____ Point listing: station & offset, descriptions, elevations?
37. _____ Point listing: roadway cross section points; station, offset, elevations?
38. _____ Point listing: stream cross section points; station, offset, elevations?
39. _____ Plotted roadway and stream cross sections
40. _____ Copy of color photos for DOTD file?
41. _____ State plane coordinates shown at 2 points (min.) on survey?
42. _____ QC/QA Certification



Quality Management System

QMS Process Section: Design and Consulting Practices	Revision: 9 Date: 10.30.2025	Number: DP-7
Procedure: Document Checking and Authorization	Approval: J. Wharton	Page: 1 of 12

A. PURPOSE

1. Establish minimum requirements for checking and authorizing documents.

B. SCOPE

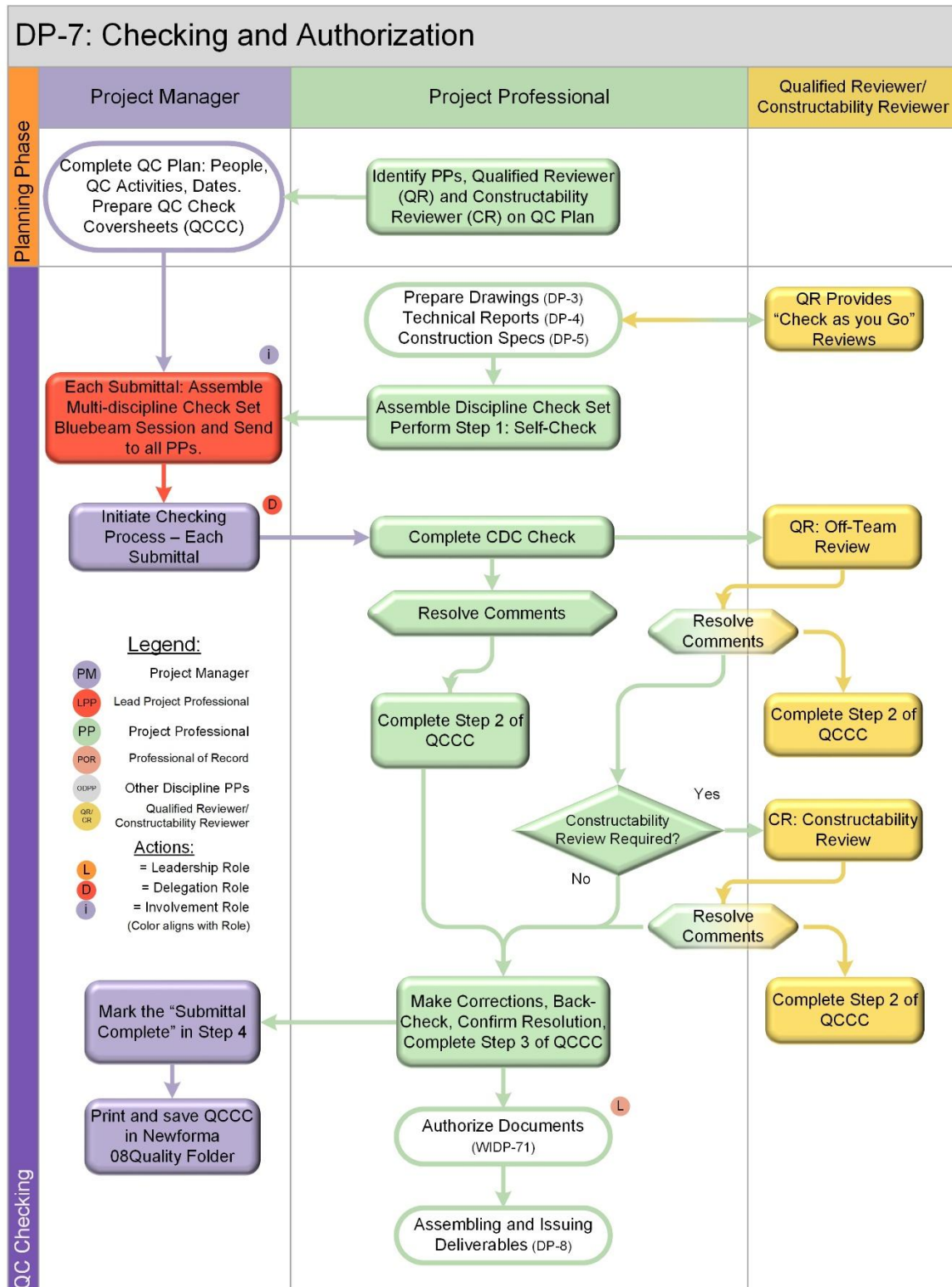
1. The scope of this document applies to technical reports, drawings, technical specifications, calculations, and cost estimates. It applies to all Formal Issue documents, including addenda to bid documents and amendments to construction documents.
2. This procedure describes a process for checking documents to ensure quality work has been produced. Proactive efforts are required to produce quality work through daily commitment to the project plans, and close coordination with colleagues, Clients, and external parties.
3. All Formal Issue documents REQUIRE an Off-Team Discipline QC Check prior to issue. This check is performed by a Qualified Reviewer who is not part of the project team.
4. All Formal Issue documents that involve multiple disciplines REQUIRE the Project Professionals to perform a Cross-Discipline Coordination Check prior to issue.
5. Constructability Reviews are strongly recommended prior to DD/60% and CD/Final, if applicable.
6. Informal Issues of Documents – For Information Only – do not require a formal check.
7. The scope of this document includes our Subconsultants. Any documents that are produced by others under our prime agreement with the Client must go through an Off-Team Discipline QC Check (using their own resources to perform the check). Subconsultants must also fully participate in our Cross-Discipline Coordination Check prior to each Formal Issue. Subconsultants are required to produce evidence that the QC checks took place – either by use of our manual forms or their own forms – and provide the signed evidence to the Gresham Smith Project Manager for each Formal Issue.

C. DEFINITIONS (See “[Definitions](#)”, QM-7 for definition of terms used in this procedure)

1. Check-As-You-Go: A periodic review of the project documents by the designated QR as portions of the work are completed. In this approach, the QR is called upon to review and check certain aspects of the design as soon as portions of the design are complete. This approach provides additional motivation for making decisions in a timely manner, allowing enough time for a thorough check, and meeting the project schedule. An example might be:
a) PP develops the life safety plan and coordinates it with the entire project team, b) QR checks it for compliance, and c) PP revises as needed immediately. Don't wait for a deadline to do these steps.

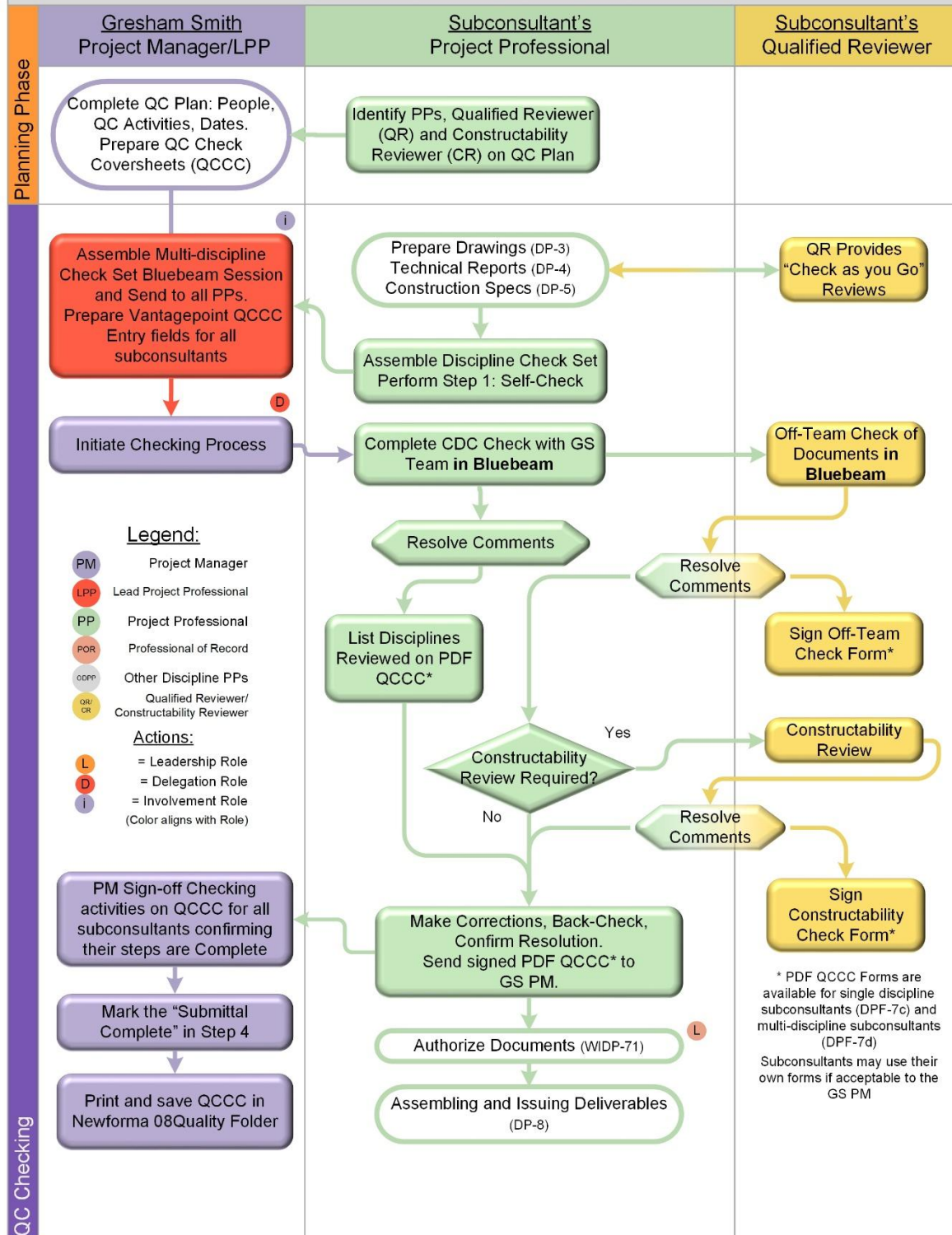
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D. FLOW CHART



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DP-7: Checking and Authorization – Subconsultant Workflow



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E. PROCEDURE

General Notes:

- This procedure is written based on PDF documents. Adaptations may be necessary for paper or native-format electronic documents.
- It is strongly encouraged that the checks described herein be performed on documents that match the format that they will be issued to the Client or Contractor. The use of models (exclusively) for quality control checks is limited because it is possible that the deliverable file that is generated after the check may look different from what was visible in the model.
- It is also strongly encouraged that the PP engage with the designated QR to perform “Check-As-You-Go” reviews. See step E.4.
- If the model is a deliverable (even if it isn’t a construction document), then the model must also be checked.
- A list of checked documents shall be included with the coversheet that is saved in the Newforma **04PM\01ProjPlan\08Quality** folder.
- The workflow in this procedure assumes a multidiscipline project that requires a cross-discipline coordination review. If the project is single discipline, you can ignore references to the cross-discipline coordination review.
- When the project includes External Reviewers (Subconsultants are referred to as External Reviewers in Vantagepoint), the PM is responsible for:
 - Adding those Subconsultants to the QC Plan
 - Determining how the Subconsultants will document their checking activities. They are required to provide evidence of their Off-Team, Cross-Discipline and applicable Constructability Reviews. If acceptable to the PM, the Subconsultant may provide their own forms. If not, the PM will send manual QC Check Coversheets to the Subconsultants for recording their checking activity – Subconsultant QC Check Coversheet (Single discipline) [DPF-7c](#) or Subconsultant QC Check Coversheet (Multi-discipline) [DPF-7d](#)
 - Coordinating with the Subconsultants to ensure that their QC activities are completed per our policy
 - Recording their QC completions in our QC Coversheets so that we have a complete record of their involvement and compliance.
- Refer to the instructions in the [Project QC Check Coversheets Hub](#) for details on how to fill out the coversheet, and visual examples of where to find everything.

During the Planning Process:

1. Develop a Quality Control Plan
 - a. PM and PP: Complete a QC Plan in accordance with QMS Project Planning procedures to identify the minimum acceptable types of checking to be performed prior to each Formal Issue, the dates that these checks must be performed, and the Qualified Reviewers who will perform the checks. See “[Developing/Updating the Project Plan](#)”, PM-3 and “[Developing a Quality Plan](#)”, WIPM-31, the instructions in the

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“Project QC Check Coversheets Hub”, and the Project Execution Plan (in Vantagepoint).

Notes:

- The PM/LPP and each PP will identify participants, dates, and external Subconsultants.
 - If the PP is not the Authorizer (Professional of Record), include the Authorizer in the QC Plan development.
 - The QR for each discipline should remain consistent throughout the life of the project, if possible.
- b. PM: When External Reviewers (Subconsultants) are participating in the project, the PM is responsible for adding that company as an External Reviewer. If the company name or their Project Professional is not in our database, their contact information must be [added to the project](#).
2. PM: Determine our strategy for reviewing the design model: Review BIM Execution Plan or Digital Model Execution Plan with designated Digital Model Manager (DMM) and the project team.
3. PM/LPP: Create QC Check Coversheets (QCCC) for each milestone submittal by following the instructions in “Developing a Quality Plan”, WIPM-31.
- a. Note: These milestone submittals for QC checking should also appear on the overall project schedule for deliverables and models.

Throughout the Executing Process:

4. QR (as requested by the PP): Perform a “Check-As-You-Go” review of the documents, and cross-check information between the drawings and specifications. No documentation of Check-As-You-Go is required. These reviews will expedite the formal QC review process described below and may avoid a schedule crunch to complete checking at the milestone submittal. The idea is to complete a portion of work and then check it, thereby minimizing the need to check it again at the end and avoid rework or last-minute coordination.

At the Conclusion of Each Phase of the Executing Process, including Early Release Packages (ERP), Addenda & Amendments:

5. Each PP: Assemble a Discipline Check Set and perform a Self-check prior to submitting them to the LPP to assemble the multi-discipline Check Set. Correct all self-check markups first. A Self-Check is always required prior to Formal Issue.
- a. Step 1 on the QC Check Coversheet, check the “Complete” box on the Self-Check section. Check the “NA” box if your discipline is not issuing documents for this submittal. See [Exhibit 1](#).
- b. No check sets are necessary for the Self-Check.
6. LPP: Assemble the multi-discipline Check Set - Prior to a Formal Issue:

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- a. PP: Notify the LPP that your discipline Check Set is complete, located in the 01Work\05CheckSets folder and a self-check was performed.
- b. LPP: Coordinate with the discipline PPs to assemble the multi-discipline Check Set containing all the documents that will be included in the Formal Issue, and essential supporting documents. The Check Set will include:
 - i. Documents that are to be included in the Formal Issue: drawings, specifications, and reports, as applicable.
 - ii. Calculations: Even though the calculations are not typically considered a deliverable, they must be checked just as thoroughly as a deliverable
 - iii. Supporting Documents for Reference:
 - Design Basis documents: Design Criteria, Basis of Design, or other documentation of critical project decisions that impact the deliverables
 - Relevant supporting documentation that may include the Project Agreement (Scope, Schedule, Budget), narratives, assumptions, input data, and references to facilitate the review.
 - Reference drawings from other disciplines that contain relevant technical content (e.g. coordination of openings, penetrations, ceiling plans, etc.).
- c. LPP: Coordinate with Subconsultants to incorporate their documents into the Check Set. These documents must also be self-checked before sending them to us.

Note: For each Formal Issue, it is permissible to use one Check Set for each type of review; separate Check Sets are not required.

Note: Some Markets may require an on-team check prior to, or concurrent with, the Off-Team Check. A typical on-team check will address the same items as the off-team check; but it is performed by a member of the project team.

7. Cross-Discipline Coordination (CDC) Check (at each Formal Issue – required for projects with 2 or more disciplines involved.)

- a. LPP: Arrange the CDC Check according to the following procedure unless otherwise dictated by the QC Plan. The recommended method is a group review where all Project Professionals review the drawings together. This may be accomplished using paper documents or a Bluebeam session. A meeting should be held to discuss the CDC comments before proceeding with document edits.

Note: CDC is not a substitute for continuous checking and information sharing between project personnel. It is intended as a check to ensure prior coordination efforts have been effective.

Note: The use of BIM or other 3D graphic software for clash detection is helpful for coordination between disciplines but is not a substitute for the CDC checking process.

- b. Each PP (including Subconsultant PPs):

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- i. If applicable, attend the project team meeting where documents are shared and discussed, with appropriate issues noted for resolution.
- ii. Review and provide comments on the other discipline's Check Set, as applicable. When multiple people review the Check Set, each reviewer will identify his/her comments to make it clear who made the comment. (Typical methods of identifying comments include color codes or initials. Using Bluebeam or other collaboration software for electronic review allows automatic tracking of comments by person.)
- iii. Discuss and resolve the comments with other disciplines.
- iv. Step 2 on the QC Check Coversheet: Check the "Cross-Discipline Complete" box on the Quality Coordination Checks section, indicating you have coordinated with all applicable disciplines. Check the "NA" box if no discipline coordination was required. See [Exhibit 2](#).

Note: The PM is responsible for recording the Subconsultant's completion of checking on the QC Check Coversheet, after receiving acceptable evidence thereof.

8. Off-Team Check Prior to a Formal Issue (at each interval required by the QC Plan)

- a. Each PP: Notify the QR that the Check Set is ready for checking. (For Bluebeam sessions, send the session invitation to the QR)
- b. Each QR: Perform Off-Team Check of the Check Set, by reviewing for completeness and technical accuracy.

Note: This procedure does not dictate the method of checking documents. The use of check lists or other guidance is encouraged as a means to provide a thorough check of all elements – and to ensure that there are no gaps in the documents. Typical check lists are provided on the Gresham Smith Project Delivery Excellence Portal.

Note: Consider the need to have specialty consultants review documents for areas where we do not have the level of expertise available in-house. Examples include Building Envelope Consultants, FDA Compliance Specialists, etc.

- c. PP and QR: Discuss the QR's comments to ensure that all comments are understood. Agree upon comments or withdraw at that time.
 - i. QR: Mark through comments that are withdrawn on the document, and initial by the comment.
- d. QR: Step 2 on the QC Check Coversheet: Click the "Off-Team Complete" box on the Quality Coordination Checks section of the QCCC for the discipline(s) that were reviewed. (Or "Off-Team N/A" if it doesn't apply to that submittal). See [Exhibit 2](#).

Note: The PM is responsible for recording the Subconsultant's completion of checking on the QC Check Coversheet.

Note: The QR has a responsibility to notify the PP if the package is not ready for issue. Examples may include a package that is incomplete, has significant quality issues, scope gaps, code compliance issues, or other issues that may put Gresham Smith in an unfavorable position with the Client. The QR may notify the PM or TPL to

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explain their reasoning. The PM and TPL have authority to stop the process, where necessary.

9. **Constructability Review** (if required by the QC Plan)

Note: If the project team determines that constructability issues have been addressed in the Off-Team Check and the CDC Check, the Constructability Review may not be needed. If a Constructability Review is not needed, the PM or LPP shall check the “Constructability N/A” box on the Quality Coordination Checks section, Step 2, of the QCCC. See [Exhibit 2](#).

Examples:

- Do the design components coordinate for ease of construction?
- Make sure the correct product is being used for the designed/intended location and purpose.
- If our foundations were designed and dimensioned to be 7'-6" x 7'-6", the Contractor might suggest enlarging them to 8'-0" x 8'-0", since that is the modular size of plywood.
- Waterproofing around an elevator pit is not the same as waterproofing on the exterior wall; do the details and specs align with those differences?
- Is the junction box sized according to Code but it is not practical for the installation of the wiring and devices?

Note: Constructability reviews may sometimes be performed by one CR for all disciplines instead of a team of discipline specific reviewers.

- CR(s): Perform Constructability Review. The CR will review for completeness, feasibility, coordination, and constructability.
- PP and CR: Discuss the CR's comments to ensure that all comments are understood. Agree upon comments or withdraw at that time.
- CR: Mark through comments that are withdrawn on the document, and initial by the comment.
- Step 2 on the QCCC: Click the “Constructability Complete” box on the Quality Coordination Checks section of the QCCC, indicating all of the Constructability Reviews are complete.

Note: The PM is responsible for recording the Subconsultant's completion of checking on the QC Check Coversheet.

10. Each PP: Make corrections to the documents. Back check to confirm all QR, CDC and CR comments are completely resolved. Step 3 on the QCCC “Resolution” section: Place a check mark in the “Cross-Discipline Complete” box, “Off-Team Complete” box and “Constructability Complete” box, as applicable – or place a check mark in the box “NA” for reviews that were not applicable for your discipline or the submittal. See [Exhibit 3](#).

Note: The PM is responsible for recording the Subconsultant's completion of resolution on the QC Check Coversheet.

11. PM: When all PP actions are completed, mark the “Submittal Complete” check box, Step 4. See [Exhibit 4](#). Step 5, print and save the QCCC as a PDF in the **04PM01ProjPlan08Quality** folder. See [Exhibit 5](#).

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Note: Save Check Sets for all project disciplines in the Newforma folder **01Work\05ChkSets**.

12. Issue Documents

- a. Each PP: Assemble documents for Formal Issue in accordance with “[Assembling and Issuing Deliverables](#)”, DP-8.
- b. Authorizer: Authorize documents for Formal Issue.
- c. Authorizer: If required, Sign and Seal documents in accordance with “[Signing and Sealing Documents](#)”, WIDP-71.

13. Storage and Disposal of Documents

- a. PM: Delete all Check Sets and electronic review program documents/sessions, for example “Bluebeam sessions”, after the final Construction Document deliverables (CD, IFC, Final, etc.) have been issued.
- b. PM: For documents issued after final Construction Documents, delete all Check Sets after revision issuance.

F. FORMS

1. QC Check Coversheet (in Vantagepoint)
2. Subconsultant QC Check Coversheet (Single discipline) [DPF-7c](#)
3. Subconsultant QC Check Coversheet (Multi-discipline) [DPF-7d](#)

G. RECORDS

1. QC Check Coversheets with signatures – retained in the 04PM\01ProjPlan\08Quality folder
2. QC Check Coversheets will be archived in accordance with the Project Document Retention Policy on the Risk Management portal.

H. MEASUREMENT

1. The company will maintain records of the types of checking performed on projects by phase to identify measurable trends.

I. EXHIBITS

1. Exhibit 1: Example Self-Check Section of the QC Check Coversheet
2. Exhibit 2: Example Quality Coordination Checks Section of the QC Check Coversheet
3. Exhibit 3: Example Resolution Section of the QC Check Coversheet
4. Exhibit 4: Example Project Manager Review Status Section of the QC Check Coversheet
5. Exhibit 5: Example QC Check Coversheet Record

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J. REVISIONS

Rev. No.	Date	Approval	Summary of Changes
1	11.01.2017	Wharton	Added requirement for Subconsultants to comply with this procedure. Added role of Lead Project Professional. Clarified the sign-off process and records retention.
2	09.06.2018	Wharton	Updated Role Descriptions and rebranding
3	01.31.2020	Wharton/Guinan	Updated flow chart and directions on Cross Discipline Check
4	07.15.2020	Wharton/Guinan	Added Check as-you-go. General edits for clarity.
5	09.17.2021	Wharton/Guinan	Clarified Storage and Disposal requirements, added DMEP information for model checking.
6	08.17.2022	Wharton/Guinan	Added information regarding Constructability Reviews. Added Exhibit for Bluebeam instructions for QC Check Coversheet
7	12.05.2023	Wharton/Guinan	Revised for single page QC Check Coversheet. Updated Exhibit. Minor edits for consistency.
8	10.21.2024	Wharton	Revised for conversion to Vantagepoint
9	10.30.2025	Wharton	Clarified requirements for subconsultants to provide evidence of checking using our forms or their own. Updated to new Vantagepoint QCCC process improvements.

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Exhibit 1: Example Step 1 - Self-Check Section of the QC Check Coversheet

STEP 1 - SELF CHECK

BEFORE WORKING IN THIS COVERSHEET:

PP - Complete YOUR self-checks

PP - Check those boxes

PP - Coordinate YOUR discipline's documents with all others for a single Submittal to be reviewed next. The PM or LPP is responsible for assembling this combined, single Submittal.

STEP 1 - SELF CHECK

+ Add STEP 1 - SELF CHECK

Discipline	Project Professional	Complete	N/A	Signature	Date
Interiors	Natasha Hagan	☒	☐	Natasha Hagan	3/18/2025
Civil	Jubal Parris	☒	☐	Jubal Parris	3/5/2025
Structural	John Brew	☒	☐	John Brew	3/6/2025
Architecture	Emily Motsinger	☒	☐	Emily Motsinger	2/28/2025

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Exhibit 2: Example Step 2 - Quality Coordination Checks Section of the QC Check Coversheet

STEP 2 - QUALITY AND CLASH COORDINATION CHECKS - EXTERNAL REVIEWERS

COMBINED, SINGLE SUBMITTAL REVIEWS ARE INITIATED BY PM/LPP:
PP – Complete your Cross-Discipline Checks
Off-Team Reviewers – Complete your assigned checks
Constructability Reviewers – Complete the applicable and assigned checks

NOTE:
By checking the "Complete" or "N/A" boxes and adding their signature for each Quality Coordination Check, the Project Professional is affirming that they have reviewed all required disciplines.

STEP 2 - QUALITY COORDINATION CHECKS + Add STEP 2 - QUALITY COORDINATION CHECKS

Discipline	Project Professional	Off-Team Reviewer	Constructability Reviewer	Cross-Discipline Complete	Cross-Discipline N/A	Off-Team Complete	Off-Team N/A	Constructability Complete	Constructability N/A	PP Signature	Date
Architecture	Emily Motsinger	Randy Hartfelder	Randy Hartfelder	☒	☐	☒	☐	☒	☐	Emily Motsinger	2/28/2025
Interiors	Emily Motsinger	Randy Hartfelder	Emily Motsinger	☒	☐	☒	☐	☒	☐	Emily Motsinger	2/28/2025
Civil	Jubal Parris	Noah Martin	Noah Martin	☒	☐	☒	☐	☒	☐	Jubal Parris	3/5/2025
Structural	John Brew	Amy Hardin	Andy Stoebner	☒	☐	☒	☐	☒	☐	John Brew	3/17/2025

Exhibit 3: Example Step 3 - Resolution Section of the QC Check Coversheet

STEP 3 - RESOLUTION

PP - Resolve all comments from all reviews performed

CONFIRM ALL CHECK GRIDS ARE COMPLETE FOR YOUR DISCIPLINE – "ALL" MEANS:
Cross Discipline, Off-Team and Constructability checkmarks have been entered for the Quality Coordination Checks (Step 2).
If they are not, the Resolution grid cannot be completed. If an attempt is made to check these boxes and Save, it will cause an error, until ALL required checks are marked as Complete or N/A.

STEP 3 - RESOLUTION + Add STEP 3 - RESOLUTION

Discipline	Project Professional	Cross-Discipline Complete	Cross-Discipline N/A	Off-Team Complete	Off-Team N/A	Constructability Complete	Constructability N/A	Signature	Date
Architecture	Emily Motsinger	☒	☐	☒	☐	☒	☐	Emily Motsinger	3/27/2025
Civil	Jubal Parris	☒	☐	☒	☐	☒	☐	Jubal Parris	3/27/2025
Interiors	Emily Motsinger	☒	☐	☒	☐	☒	☐	Emily Motsinger	3/27/2025
Structural	John Brew	☒	☐	☒	☐	☒	☐	John Brew	3/27/2025

Exhibit 4: Example Step 4 - Project Manager Review Status Section of the QC Check Coversheet

STEP 4 - PROJECT MANAGER REVIEW STATUS

Submittal Name

50% Design Development

Submittal Date

10/21/2024

☒ Submittal Complete

PM Signature
Amy Hardin

Completed Date
3/27/2025

Gresham Smith – Quality Management System		
QMS Process Section: Design and Consulting Practices	Revision: 9 Date: 10.30.2025	Number: DP-7
Procedure: Document Checking and Authorization	Approval: J. Wharton	Page: 12 of 12

Exhibit 5: Example QC Check Coversheet Record

SELF CHECK																
Discipline	Project Professional	Complete	N/A	Signature	Date											
Interiors	Dretchen, Kimberly	Y	N	Dretchen, Kimberly	9/28/2025											
Structural	Guinan, Laura	Y	N	Guinan, Laura	9/28/2025											
Architecture	Nawrath, Kathryn	Y	N	Nawrath, Kathryn	9/28/2025											
QUALITY COORDINATION CHECKS																
Discipline	Project Professional	Off-Team Reviewer	Constructability Reviewer	Cross-Discipline Complete	Cross-Discipline N/A	Off-Team Complete	Off-Team N/A	Constructability Complete	Constructability N/A	PP Signature	PP Date	Off-Team Signature	Off-Team Date	Constructability Signature	Constructability Date	
Interiors	Dretchen, Kimberly	Powell, Melissa	Jackson, Michele	Y	N	Y	N	Y	N	Dretchen, Kimberly	9/28/2025	Powell, Melissa	9/28/2025	Nawrath, Kathryn	9/28/2025	
Architecture	Nawrath, Kathryn	Powell, Melissa	Jackson, Michele	Y	N	Y	N	Y	N	Nawrath, Kathryn	9/28/2025	Powell, Melissa	9/28/2025	Jackson, Michele	9/28/2025	
Structural	Guinan, Laura	DeBauge, Kerry		Y	N	Y	N	N	Y	Guinan, Laura	9/28/2025	DeBauge, Kerry	9/28/2025	Nawrath, Kathryn	9/28/2025	
CLASH COORDINATION CHECKS																
Discipline	Reviewer	Complete	N/A	Signature	Date											
EXTERNAL REVIEWERS																
Discipline	Firm	Reviewer	Complete	N/A	Signature	Date										
Architecture	100 W. Bay Street I, LLC c/o Thoron Investments	USA, INC., 3A Composites	N	Y	Powell, Melissa	9/28/2025										
Mechanical	Smith Seckman Reid, Inc.		Y	N	Nawrath, Kathryn	9/28/2025										
RESOLUTION																
Discipline	Project Professional	Cross-Discipline Complete	Cross-Discipline N/A	Off-Team Complete	Off-Team N/A	Constructability Complete	Constructability N/A	Signature	Date							
Interiors	Dretchen, Kimberly	Y	N	Y	N	N	Y	Dretchen, Kimberly	9/28/2025							
Architecture	Nawrath, Kathryn	Y	N	Y	N	Y	N	Nawrath, Kathryn	9/28/2025							
Structural	Guinan, Laura	Y	N	Y	N	N	Y	Guinan, Laura	9/28/2025							
PROJECT MANAGER REVIEW																
Submittal Name	9-28 Testing for Melissa multiple disciplines				Submittal Date	10/31/2025										
Submittal Complete	Y	PM Signature	Nawrath, Kathryn			Completed Date	9/28/2025									

Work Instruction [WIPM-31 Developing a Quality Control Plan](#)
 Procedure [QM-10 Quality Assurance Plan](#)
[QMF-10 Quality Assurance Plan Checklist](#)
[Vantagepoint QC Check Coversheet Instructions](#)
[Subconsultant QC Check Coversheet - Multi-Discipline](#)
[Subconsultant QC Check Coversheet - Single Discipline](#)

Constructability Review									
Discipline	Reviewer	Complete	N/A	Signature	Date				
Bridge	Jackson, Michele	N	Y	Powell, Melissa	6/19/2024				
Civil	Powell, Melissa	N	N						
Architecture	Dretchen, Kimberly	N	Y	Powell, Melissa	6/19/2024				
External Reviewers									
Discipline	Firm	Reviewer	Complete	N/A	Date	Signature			
Civil	Civil Design Construction, Inc.	Weston, Karla	N	N					
Architecture	(re)volution Architecture	Frye, Christopher	N	N					
Bridge	AERO BridgeWorks, Inc.	Gray, Allan	N	N					
Resolution									
Discipline	Project Professional	Cross-Discipline Complete	Cross-Discipline N/A	Off-Team Complete	Off-Team N/A	Constructability Y N Complete	Constructability Y N N/A	Signature	Date
Architecture	Powell, Melissa	N	N	N	N	N	N		
Civil	Jackson, Michele	N	N	N	N	N	N		
Bridge	Dretchen, Kimberly	N	N	N	N	N	N		

Project Execution Plans

Find project execution plan

7 of 35

Save

Cancel

Blue Sky Ent. Business Park

Actions

PROJECT PLAN

RISK REGISTER

QUALITY

SAFETY

CHANGE LOG

ARCH DESIGN REVIEW

SUSTAINABILITY

SOFTWARE VALIDATION

PMF-31 Quality

Complete the Quality Control Plan which documents the discipline project professionals, the type of checking to be provided at each submittal stage, who will do the checks (Qualified Reviewers), and when the checks will be done. Note: The PP will verify the checker is qualified by virtue of relevant PAST EXPERIENCE with a similar project.

Revision Date
7/18/2024

WIPM-31-SF Quality Control Plan Short Form

This tab also serves as the jumping off point for creating the QC Check Coversheets.

Create QC Check Coversheet

Submittal Name

Issued for Permit

Submittal Date

10/31/2024

Create Coversheet

Type of check planned (enter a date for all that apply for this submittal, otherwise leave blank).

Self-Check by PP

10/14/2024

Cross-Discipline Check Start

10/21/2024

Off-Team Check Start

10/21/2024

Constructability Check Start

None

Model Integrity/Clash Detection Check

None

Cross-Discipline Check End

10/25/2024

Off-Team Check End

10/25/2024

Constructability Check End

None

Project Executives and Qualified Reviewers

DISCIPLINE	N/A	PROJECT PR...	OFF-TEAM RE...	CONSTRUCTA... REVIEWER
Electrical	☐	John Wharton	Randy Hartfield	
Architecture	☐	Gus Alfonso	Katie Nawrath	
Roadway	☐	Jody Braswell	Diane Regensbi	

+ Add Project Professionals and Qualified Reviewers

External Reviewers

DISCIPLINE	FIRM	CONTACT
Civil	Stantec Consult	

+ Add External Reviewers

QC Check Coversheets

SUBMITTAL	DUE DATE	COMPLETED DATE
Schematic Design	7/29/2024	
60% Submission	9/20/2024	

Update Existing Coversheets

Project Number

45103.05

Project

Blue Sky Ent. Business Park

QC Check Type

Manual

Market/Location

Corporate Services : Administration

GS Responsibility

Prime

Owner/End User

Test Client, Inc.

Billing Client

Test Client, Inc.

Project Executive

Katie Nawrath

Project Manager

Katie Nawrath

Lead Project Professional

Michele Jackson

APM

Katie Nawrath

Document Control Specialist

None

Digital Model Manager

None

Construction Contract Admin Professional

None

Newforma File Link

APPENDIX C – INDEPENDENT PEER REVIEW BRIDGE QC FORMS

Not Required for this Bridge Project.

APPENDIX D – QUALITY ASSURANCE & DELIVERABLE RELEASE RECORD FORMS

- *LADOTD QA Information Package Checklist*
- *LADOTD QC/QA Certification*
- *LADOTD Consultant Submittal QC/QA Certification*
- *GRESHAM SMITH QM-5 Internal Project Review (Page 1 of 9)*
- *GRESHAM SMITH WIDP-71 Signing and Sealing Documents (Page 1 of 9)*



THE COVER PAGE OF APPLICABLE GRESHAM
SMITH PROCEDURES AND POLICIES IS
INCLUDED IN THIS DOCUMENT. THE FULL
PROCEDURE WILL BE INCLUDED IN THE
OPERATIONAL VOLUME OF THE QC/QA PLAN



APPENDIX C—QA INFORMATION PACKAGE CHECKLIST

Project No.:

Project Description:

_____	Calculation Book
_____	Plans
_____	Special Provisions
_____	Cost Estimate
_____	Other Documents _____

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 I—CONSULTANT SUBMITTAL QC/QA CERTIFICATION

Project No.:

Project Name:

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

Submittal Description

Supervisor or Team Leader Name

Signature

Date

Quality Management System

QMS Process Section: Quality Management	Revision: 6 Date: 11.25.2024	Number: QM-5
Procedure: Internal Project Review	Approval: John Wharton	Page: 1 of 9

A. PURPOSE

To define the steps for the internal review of projects. Reviews are conducted to evaluate compliance with process definitions, procedures, work instructions, and policies, in order to determine the effectiveness of the Quality Management System and assist the project team with project performance.

B. SCOPE

This procedure applies to internal reviews only, and covers the complete review process, from identification of the need for an internal review, method of conducting a review, reporting of review findings, to completion of follow-up on necessary actions to be implemented.

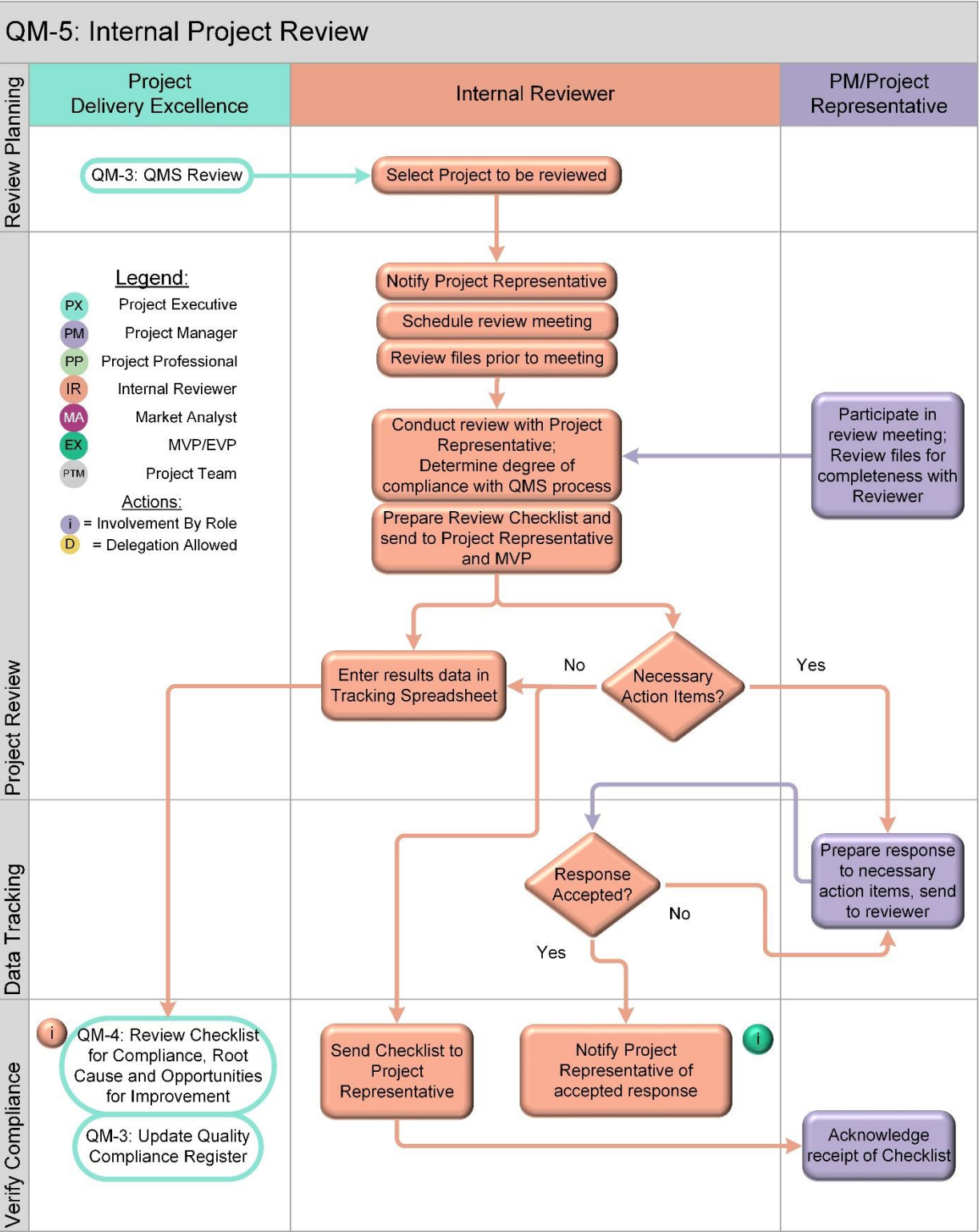
Internal reviews are generally scheduled in advance, but an unscheduled review may be initiated when a procedure breakdown has been identified, significant quality problem has arisen, or at other times as identified by the Director of Project Delivery Excellence, Market Vice President or Market Leader.

C. DEFINITIONS (See QM-7, "[Definitions](#)" for definition of terms used in this procedure)

1. Review Terms:
 - a. Complete
 - b. Partially Complete
 - c. Maintained
 - d. Not Applicable
 - e. Necessary Action
 - f. Recommended Action
 - g. Resolved
2. Internal Review: A systematic, independent and documented process for obtaining objective evidence of compliance with established procedures and evaluating it to determine the extent to which the review criteria are fulfilled.
3. Roles:
 - a. Internal Reviewer
 - b. Project Representative
 - c. Director of Project Delivery Excellence (PDE)

Gresham Smith - Quality Management System		
QMS Process Section: Quality Management	Revision: 6 Date: 11.25.2024	Number: QM-5
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D. FLOW CHART



Gresham Smith - Quality Management System		
QMS Process Section: Quality Management	Revision: 6 Date: 11.25.2024	Number: QM-5
Procedure: Internal Project Review	Approval: John Wharton	Page: 3 of 9

E. PROCEDURE

1. Internal Reviewer: Initiate Review
 - a. Select project for review.
2. Internal Reviewer: Notify Project Representative
 - a. Identify the Project Representative, who leads the implementation of the Process being reviewed. This will frequently be the Project Manager.
 - b. Schedule / notify the Project Representative that a review is required, and the scope of the review. Provide no more than one month advance notice to the Project Representative for preparation.

Note: Do not allow excessive time between the notification and the actual review. The intent of the review is to assess actual conditions, and not to “correct” deficiencies in advance.
3. Internal Reviewer: Prior to the Review Meeting
 - a. Review the project documentation in the project file that is related to the review scope.
 - b. Mark appropriate column for completeness of items and provide clarifying comments in the space provided on QMF-5, “[Internal Project Review Checklist](#)”.
4. Internal Reviewer: Conduct the Review Meeting
 - a. Meet with the Project Representative to discuss how the project is ensuring compliance with the QMS.
 - b. Review the project documentation findings related to the review scope during project file review.
 - c. Determine the degree of compliance with the QMS and complete the Checklist, noting the degree of completion of the documentation, the evidence that the documentation has been maintained during the project, and noting any necessary and recommended actions to be implemented. Note the procedures that apply to the necessary actions and recommendations so that the Project Representative will be able to reference the requirements.
 - d. Update completeness column marks and clarifying comments in the space provided on the Checklist, as appropriate.
5. Internal Reviewer: If Necessary Actions exist, proceed to step 6. If not, send completed review Checklist to Project Representative and MVP, then file completed checklist.

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Recommended and Necessary Actions

6. Internal Reviewer: Review Recommended and Necessary Actions with Project Representative and instruct them how to complete the Verification of Compliance with Comments on the Checklist.

Data Tracking of Project Review Checklist

7. Internal Reviewer: Enter compliance data into tracking spreadsheet.
 - a. Prepare Quarterly reports to illustrate firmwide performance.
 - b. Prepare Market Quarterly reports to illustrate compliance by Market.
 - c. Prepare Annual report to illustrate firmwide performance.
8. Internal Reviewer: Send email with link to the Checklist to Project Representative and MVP.
9. Project Representative: Respond to Necessary Actions
 - a. Prepare response in the Verification of Compliance with Comments area of the Checklist to address how each Necessary Action has been corrected, and how the Recommended Actions will be addressed on this and future projects.
 - b. Check the appropriate Yes/No/NA boxes for each action group.
 - c. Include recommendations for how the process or procedure can be improved to increase value and reduce future comments.
 - d. Save the Checklist to linked location and notify Reviewer that response has been added to the Checklist.
10. Internal Reviewer: Review the Verification of Compliance with Comments
 - a. Confirm Necessary Action items have been completed.
 - b. Mark resolved column for items that have been completed.
 - c. Check the appropriate box to indicate if the plan is acceptable (all Necessary Action items resolved) or not. If the plan is not accepted, proceed to step 11. If it is accepted, proceed to step 13.

Verification of Compliance with Comments Not Accepted

11. Internal Reviewer: Notify the Project Representative. Provide guidance to the Project Representative on deficiencies in the plan.
12. Project Representative: Update the Verification of Compliance with Comments and resubmit to the Reviewer. Repeat the cycle until an agreement is reached. Proceed to step 13.

Verification of Compliance with Comments Accepted

13. Internal Reviewer: Notify the Project Representative that the plan is acceptable.
 - a. File completed review Checklist.

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QMS Process Section: Quality Management	Revision: 6 Date: 11.25.2024	Number: QM-5
Procedure: Internal Project Review	Approval: John Wharton	Page: 5 of 9

F. FORMS

1. QMF-5: Internal Project Review Checklist

G. RECORDS

1. Completed Review Checklist
2. Review Logs

H. MEASUREMENTS

1. Number of Conformances, by category
2. Number and type of Recommended Actions, by category

I. EXHIBITS

1. Example Internal Project Review Checklist

J. REVISION HISTORY

Rev. No.	Date	Approval	Summary of Changes
1	09.15.2017	Wharton	Clarified Requirements and Sections
2	09.06.2018	Wharton	Updated Role Definitions
3	09.17.2021	Wharton	Changed "Audit" to "Review" throughout. Changed Conformance and Non-Conformance language to Recommended and Proposed Actions. Removed duplicated Definitions. Removed Correction Action Report.
4	08.30.2022	Wharton	Updated Exhibit to new format and Planifi comments.
5	11.29.2023	Wharton	Updated process to reflect Internal Reviewer process and Project Representative Response, renumbered QMF-51 to QMF-5. Updated Exhibit 1.
6	11.25.2024	Guinan	Updated Exhibit 1

Gresham Smith - Quality Management System		
QMS Process Section: Quality Management	Revision: 6 Date: 11.25.2024	Number: QM-5
Procedure: Internal Project Review	Approval: John Wharton	Page: 6 of 9

Exhibit 1 – Example Internal Project Review Checklist, Page 1

 Quality Management System									
Internal Project Review Checklist									
Project Name/Location:		Project Name							
Client Name:		Client Name		Gresham Smith Responsibility:		Choose an item.			
Project Manager:		Name		Project Executive:		Name			
Reviewer's Name:		Name		Gresham Smith Project #:		00000.00			
Project Representative's Name:		Name		Gresham Smith Office:		Choose an item.			
Project Phase being reviewed:		Choose an item.		Date Prepared:		MM.DD.YYYY			
Project Status:		Choose an item.							
Priority	Project Document/ Project Execution Plan Item	Insert X or leave Blank (for Reviewer's use only)							Comments
		Complete	Partially Complete	Maintained	Not Applicable	Necessary Action	Recommended Action	Resolved	
<i>Note: <u>Do not</u> save this document in the Project file. Resave to original (linked) location received from the Internal Project Reviewer.</i>									
General									
1	Project Execution Plan is completed in Vantagepoint (VP)								
Agreements									
1	Client Agreement fully executed (04PMI01ProjPlan\01Agmnts)								
	• Digital Data Agreement (DDA) attached to Client Agreement & has been completed								
1	Subconsultant Agreements fully executed (04PMI01ProjPlan\01Agmnts)								
	• DDA attached to Subconsultant Agreement & has been completed.								
1	DDA Executed for third parties (04PMI01ProjPlan\01Agmnts)								
1	Copy of BEP/DMEP sent to third party (04PMI01ProjPlan\01Agmnts)								
3	GS COI saved in Newforma (04PMI01ProjPlan\01Agmnts)								

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QMS Process Section: Quality Management	Revision: 6 Date: 11.25.2024	Number: QM-5
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Exhibit 1 – Example Internal Project Review Checklist, Page 2

Priority	Project Document/ Project Execution Plan Item	Insert X or leave Blank (for Reviewer's use only)							Comments
		Complete	Partially Complete	Maintained	Not Applicable	Necessary Action	Recommended Action	Resolved	
Project Planning and Executing									
1	Change Management Documentation (PMF-8a PCNs filed in 04PM01ProjPlan\01Agrmnts)								
1	Change Log tab completed *								
1	Risk Register tab completed *								
1	Defined/detailed Scope in Agreement or filed in 04PM01ProjPlan\04Scope								
1	BEP/DMEP completed								
1	Project Schedule is maintained. (in VP or filed in 04PM01ProjPlan\05Schedule)								
1	Client Kickoff Meeting Notes filed								
2	Internal Kickoff Meeting Notes filed								
1	Earned Value is entered * (EV-%Complete Dashboard in VP)								
2	Actual Multiple ≥ Target Multiple								
2	Software Validation tab completed *								
2	Safety & Security tab completed *								
2	Sustainability tab completed *								
1	Documents Issued through Newforma Document Control								
Quality									
2	Quality Assurance Plan incorporated by reference in PEP (QM-10) or filed in Newforma								
1	QC Plan tab completed in VP PEP - Subconsultant included in Plan? - Is Client Quality Process required?								
2	Arch Design Review tab completed								
1	QCC Coversheet completed in VP and exported/saved – Submittal 1 04PM01ProjPlan\08Quality								
1	QCC Coversheet completed in VP and exported/saved – Submittal 2								
1	QCC Coversheet completed in VP and exported/saved – Submittal 3								

* Information should be in Vantagepoint and will be reviewed during meeting with Project Representative.

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Exhibit 1 – Example Internal Project Review Checklist, Page 3

Priority	Project Document/ Project Execution Plan Item	Insert X or leave Blank (for Reviewer's use only)							Comments
		Complete	Partially Complete	Maintained	Not Applicable	Necessary Action	Recommended Action	Resolved	
Construction Contract Administration									
1	CCA Kickoff Meeting Notes filed								
3	Copy of Contractor's Agreement including General Conditions (07CCAMgmt\11ExeConDocs)								
1	Substitution Requests – processed/ filed properly (07CCAMgmt\07SubsRequest)								
2	Received Contractor's Submittal Schedule (07CCAMgmt\08Reports\02SubmittalLogRpts)								
2	Client-Contractor Meeting Notes filed (07CCAMgmt\13Contractor)								
2	Copy of Construction Schedule received (07CCAMgmt\13Contractor)								
2	RFI Log Status (in Newforma)								
2	Submittal/Shop Drawing Log Status (in Newforma)								
2	Field Observation Reports (07CCAMgmt\08Reports\00ObsrvRpts)								
3	Copy of AHJ certification received/filed (05Authority\02Approvals)								
2	Contractor punch list (initial punch list) (07CCAMgmt\05PunchList)								
2	GS supplement to Contractor punch list (Amended punch list) (07CCAMgmt\05PunchList)								
3	Final/executed Certificate of Substantial Completion (07CCAMgmt\10Closeout)								
3	Final Pay Application certified by licensed professional (07CCAMgmt\02PayApps\00PayRequests)								
Preparing for Closeout									
2	Check Sets destroyed/deleted after submitting Issued for Construction Documents or Final Deliverable								
2	Curtain Call - Issued for Construction Documents/Final Deliverable Meeting Notes (notes saved in overhead folder for Market or Office)								
2	Curtain Call - Completion of Construction Meeting Notes (notes saved in overhead folder for Market or Office)								

Gresham Smith - Quality Management System		
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Exhibit 1 – Example Internal Project Review Checklist, Page 4

Reviewer's General Comments:				
Project Representative's Verification of Compliance with Comments: <i>(Please provide response to "Necessary Action" items in box to right)</i>	Have implemented Necessary Action:	☐ Yes	☐ No	☐ NA
	Will implement Recommended Action:	☐ Yes	☐ No	
	Recommend a Change to the Procedure (Explain Below):	☐ Yes	☐ No	
	Other (Explain Below):	☐ Yes	☐ No	
Reviewer Response/Follow-up comments:	Follow-up Action Required:	☐ Yes	☐ No	
	All Necessary Action Items Resolved:	☐ Yes	☐ No	☐ NA
	Procedure Revision to be Implemented:	☐ Yes	☐ No	
Director of PDE comments:				

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Quality Management System

QMS Process Section: Design and Consulting Practices	Revision: 7 Date: 03.12.2024	Number: WIDP-71
Work Instruction: Signing and Sealing Documents	Approval: Wharton/Munkel	Page: 1 of 9

A. PURPOSE

This work instruction addresses Gresham Smith policy for signing and sealing documents to comply with the requirements of the local, state and federal laws.

Many states in the US require documents to be sealed, dated and signed if they are submitted to an Authority Having Jurisdiction for approval and/or permit. Many states require that documents be sealed, dated, and signed if they are to be used for construction by the recipient – regardless of whether the recipient requires it. Verify local municipality certification requirements as they may differ from state laws.

It is of utmost importance that the authorized person who will sign and seal the documents research the laws of the state and municipality in which the project resides and develop a clear understanding of the appropriate state laws and rules of the state board governing this topic. These laws and rules are in addition to and supersede our policy in the event of conflict. See [Exhibit 1](#) for a brief summary of state requirements (this data is reviewed annually and is not the last word on the topic. The PP must review the laws and policies of the local municipality and state to verify the latest requirements.)

For example: some states may have requirements as to where the signature is placed (below or on the seal); some states require a seal and signature in addition to the digital certificate and some states only require a digital certificate.

As Gresham Smith operates in numerous states, our License to Pursue and Practice in those locations may require different information to be displayed on Deliverables, including the Name of the Business License (aka Affiliate) and/or Business License numbers (aka Certificates of Authorization, Qualifier Numbers, Registration numbers, etc.). The PP must also review the Affiliate and Business License numbers from the Risk Management portal to verify the latest requirements. See Exhibit 1 for more information.

B. SCOPE

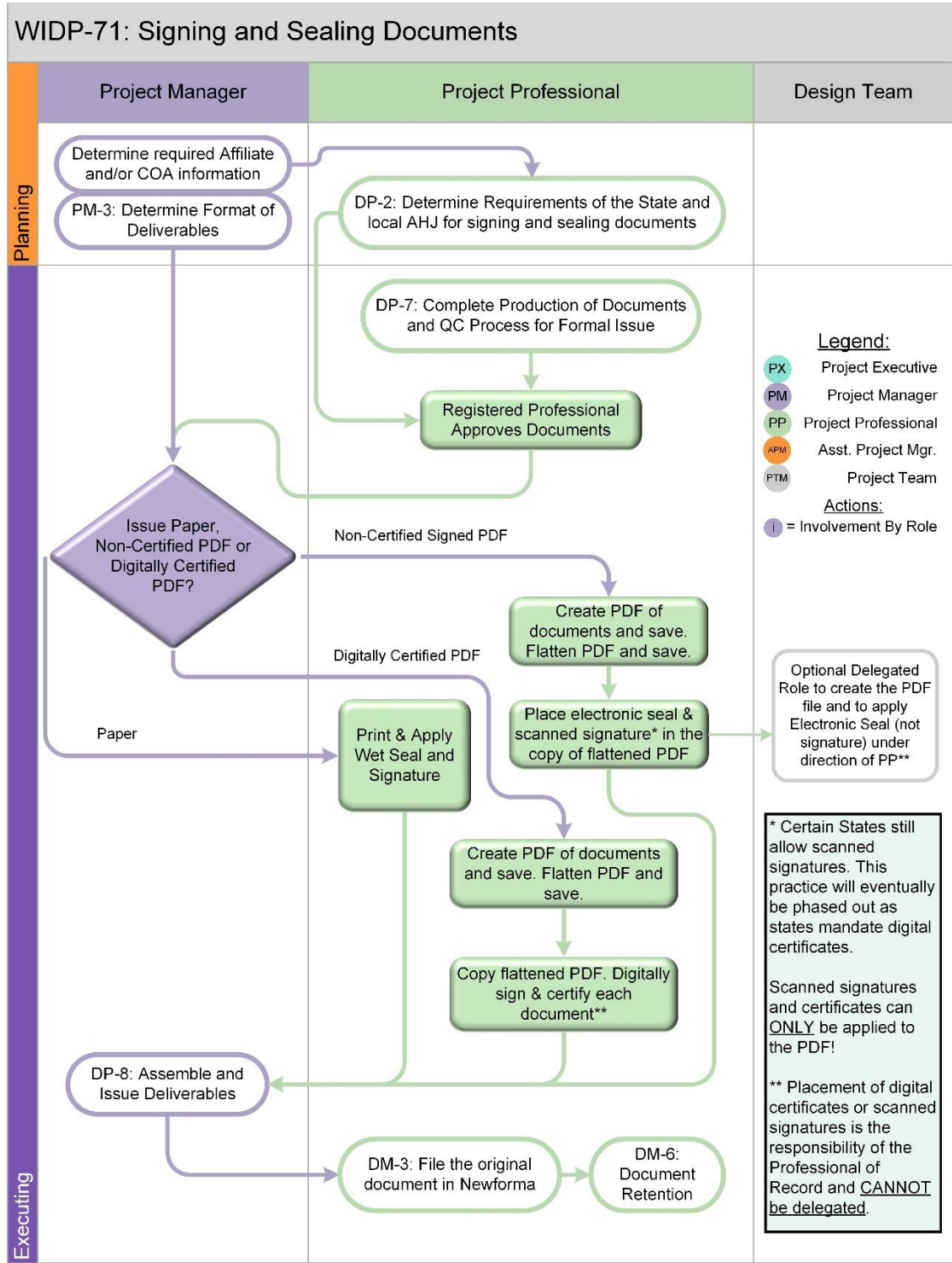
1. This work instruction applies to signing and sealing of documents by registered project professionals, but also applies more broadly to all project documents that require an authorized signature without a seal.
2. Documents requiring authorization include reports, drawings, specifications, calculations and other documents that may be required for submittal to an Authority Having Jurisdiction. See [Exhibit 2](#) for guidance on which documents require seals and signatures.
3. The primary role responsible for compliance with this policy is the Project Professional. Compliance is intended to help the PP comply with state laws and protect the integrity of their license. See Exhibit 1 for some helpful guidance. The responsibility of a registered professional includes:

Quality Management System		
QMS Process Section: Design and Consulting Practices	Revision: 7 Date: 03.12.2024	Number: WIDP-71
Work Instruction: Signing and Sealing Documents	Approval: Wharton/Munkel	Page: 2 of 9

- a. Knowledge and compliance with the requirements of the state(s) where they are registered.
 - b. Compliance with requirements of Authorities Having Jurisdiction over the project and/or the services provided
 - c. Practice within the individual's field of competency and be in responsible charge of the content of the documents that will be signed and sealed
 - d. Direct control and protection of their seal and signature in physical or digital format.
 - e. Direct charge or oversight of applying original or electronic seals on documents.
 - f. Direct charge of applying original signature or digital signature to the documents (cannot be delegated).
 4. Any person under the supervision of the Project Professional who has been directed to apply the Project Professional's seal will comply with this work instruction.
- C. DEFINITIONS (See QM-7, "[Definitions](#)" for definition of terms used in this procedure)
- The Project Professional should confirm their understanding of the definitions of the State Licensing Board where the project is located, as there may be differences in the definitions. (For example, some states use the term "Electronic Signature" and "Digital Signature" interchangeably.)
1. Authority Having Jurisdiction
 2. Digital Certificate with PKI encryption (Entrust) PKI = Public Key Infrastructure. This is a set of processes, hardware and software that combines to ensure data is safe by generating two keys - a public one and a private one. We use Entrust as our provider of PKI encryption.
 3. Document Types
 - a. Original Documents
 4. Seals
 - a. Electronic Seal
 - b. Original Seal
 5. Signature
 - a. Digital Signature
 - b. Original Signature
 - c. Scanned Signature

Quality Management System		
QMS Process Section: Design and Consulting Practices	Revision: 7 Date: 03.12.2024	Number: WIDP-71
Work Instruction: Signing and Sealing Documents	Approval: Wharton/Munkel	Page: 3 of 9

D. FLOW CHART



Quality Management System		
QMS Process Section: Design and Consulting Practices	Revision: 7 Date: 03.12.2024	Number: WIDP-71
Work Instruction: Signing and Sealing Documents	Approval: Wharton/Munkel	Page: 4 of 9

E. PROCEDURE

During the Planning Phase:

1. **PP:** Determine/Verify the requirements for signing and sealing or certifying the documents. Refer to the laws and rules of the state licensing authority and the AHJ to determine requirements. [Exhibit 1](#) provides useful guidance on this topic.
2. **PM:** Determine what format will be used to deliver documents to the Client, AHJ, and any other parties, and how the signing and sealing or certification will be performed on the documents. Choices generally include:
 - a. Paper: Traditional hard copy/paper documents with wet seal or electronic seal, and wet signature
 - b. Non-Certified PDF: PDF document with electronic seal and scanned signature
 - c. Digitally Certified PDF: PDF document with a digital certificate from a Gresham Smith-approved authentication service.

Note: While most states will accept an electronic image of a registered professionals' seal, some states are no longer accepting the use of scanned signatures without a digital certificate. The use of a scanned signature in addition to the digital certificate is typically allowed.

3. **PM:** Determine/Verify the Affiliate and Business License numbers to be displayed on all Deliverables. [Exhibit 1](#) provides useful guidance on this topic.

During the Executing Phase:

4. **PP:** Complete the preparation of project documents and checking of documents. Project Quality Control processes are determined in the Project Quality Plan (see WIPM-31, "[Developing a Quality Control Plan](#)"), and completion of those requirements are documented in the completed discipline cover sheet described in DP-7, "[Document Checking and Authorization](#)"
5. **PP:** Verify that the documents are ready to be issued to the recipient (usually the Client or AHJ).

Note: When the Architect or Engineer is required to provide addenda, supplementals, change orders, field changes, etc. to a Client or Contractor for construction purposes; or to an AHJ for building permits or regulatory approvals, that alter prior published Construction Documents, which themselves require a signature and seal, those addenda, supplementals, change orders, field changes, etc. should be signed and sealed in accordance with that jurisdiction's seal and signature requirements.

Note: If the Client requests that we send documents directly to a Contractor or multiple Contractors, obtain that request in writing. We don't have an agreement with the Contractor, so we need to be clear that this was done at the request of the entity we have an agreement with. Also note that we need to have a Digital Data Agreement in place with the Contractor prior to sending them digital data. See WIDP-84, "[Transferring Digital Data](#)" for more information.

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6. PM: Verify the method of issuing documents to the Client and the AHJ. Document issuance is generally classified as “Paper”, “Non-certified PDF” or “Digitally certified PDF”.
7. Process for Issuing Paper Documents with Wet Seal and Signature
 - a. PP or Designee: Print or Plot the document to be issued
 - b. PP: Apply the wet seal (stamp or embossed) to the paper document. It is acceptable to place the seal in the native file (not preferred) or PDF (preferred) prior to printing.
 - c. PP: Provide an original wet signature and date on the seal in accordance with state Law.

Note: Some states require the signature across the seal, while some states insist that the signature must not obscure the seal.

 - d. Retain the paper documents as the original file
8. Process for Issuing scanned images of documents that were wet-signed (Note: Refer to state licensing laws to determine if this practice is acceptable for that state. [Exhibit 1](#) provides guidance on this topic.)
 - a. PP: Follow the process outlined in step 7 above.
 - b. PP or Designee: Scan the document(s) containing the seal and wet signature for transmittal to the Client.
 - c. Retain the paper documents and scanned PDF files as original files
9. Process for preparing PDF files from Native Format files
 - a. PP or Designee under the direction of the PP: Create a PDF version of the document from the native file. These documents are not signed, sealed, certified or flattened. Create a new subfolder 01Work\04Bid\Unedited PDFs and save these documents.
 - b. PP or Designee under the direction of the PP: “Print” the PDFs to a “flattened” PDF and save in a new folder: 01Work\04Bid\Unsigned PDFs.

Notes:

- Placement of signatures is the responsibility of the PP and CANNOT be delegated.)
 - Obtaining a Digital Certificate for the first time: The registered professional is to obtain approvals from their Market Vice President prior to requesting the purchase with a Helpdesk ticket. To ensure that the Digital Certificate is in place when needed, allow at least 30 days for purchase and setup. See [Exhibit 3](#) for set up instructions.
 - Use only a Gresham Smith-approved authentication service for digital certificates.
10. Process for Issuing “Non-Certified PDF” Documents with Electronic Seal and Scanned Signature (See [Exhibit 5](#) for instructions).

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11. Process for Issuing “Digitally Certified” Documents (See [Exhibit 4](#) for instructions).

Notes: Rules for the Use of Scanned Signatures and Digital Certificates

- Prior to applying the seal and signature and/or certificate, the registered professional is required to review the document to confirm that it is in accordance with Gresham Smith standards.
- Do not apply a scanned signature or digital certificate to the original document in its native format, such as CAD, Revit, Word, Excel, etc. **The only acceptable file to receive scanned signatures or digital certificates is a PDF file.**
- Do not assume that your digital certificate will require a seal or scanned signature. The purpose of the digital certificate is to completely replace the sealing and signing process. If your jurisdiction requires the seal and signature, you can add it through the instructions provided in Exhibit 4.

12. Process for Issuing Unsigned PDF files to Third Parties (See [Exhibit 6](#) for instructions).

Policy:

- Gresham Smith will not issue unlocked PDF documents to third parties without the Client’s expressed approval – in writing (letter, email, meeting minutes). Such approval will be saved in the 04PM\01ProjPlan\01Agrmnts folder.
- Gresham Smith will not issue any digital data to any party unless we have a signed Digital Data Agreement in place with that party prior to sending digital data. See WIDP-84 “[Transferring Digital Data](#)” for instructions.

F. FORMS

None

G. RECORDS

Maintain the original documents throughout the project, and retain for archive

H. MEASUREMENTS

None

I. EXHIBITS (Exhibits 1, 3, 4, 5 and 6 are separate documents available on the Quality portal, or by clicking the Exhibit number below.)

1. [Exhibit 1](#) – State Requirements for Signing and Sealing Documents
2. [Exhibit 2](#) – Determining Which Documents Require Seals and Signatures
3. [Exhibit 3](#) – Setting up Electronic Seals and Scanned Signatures
4. [Exhibit 4](#) – Issuing Digitally Certified Documents
5. [Exhibit 5](#) – Issuing Non-Certified PDF Documents
6. [Exhibit 6](#) – Issuing Unsigned Unlocked Versions of Documents

J. REFERENCES

1. WIDP-73: Utilization of the Gresham Smith Firm Seal and License Number (In development)

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K. REVISION HISTORY

Rev. No.	Date	Approval	Summary of Changes
1	03.26.2018	Wharton	Added process for issuing Non-Certified PDF with scanned signatures. Added process for issuing unsigned/unsealed documents to third parties.
2	09.06.2018	Wharton	Revised role descriptions
3	04.09.2020	Wharton/Guinan	Updated workflow, added Bluebeam information and clarified certified and non-certified processes
4	09.21.2021	Wharton/Guinan	Added Affiliate and Business License number information. Move Exhibit 1 into a separate document.
5	02.24.2023	Wharton	Minor edits for clarity and consistency.
6	09.13.2023	Wharton/Guinan	Added Risk Management language for signing and sealing regarding revisions.
7	03.12.2024	Guinan	Renamed Exhibit 5 from Self-Certified Documents to Non-Certified Documents.

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EXHIBIT 2: Determining Which Documents Require Seals and Signatures

1. Every professional is required to maintain a working knowledge of the current requirements in every state where they are registered. They have a personal and professional duty to comply with the applicable laws and the requirements of the States and the Authorities Having Jurisdiction (AHJ) over the project and/or the services the firm provides.
2. The requirement to seal and sign a document is governed by the applicable laws for the project location, the requirements of the AHJ, and Client requirements. In some instances, the AHJ may base the decision upon whether the general public is involved.
3. Regarding the question of sealing documents, there are only two categories of design documents produced by design professionals: Construction Documents and Preliminary Documents. (see Definitions).
 - a. Construction Documents shall be sealed and signed, unless specifically disallowed by law or AHJ.
 - b. Preliminary Documents shall not be sealed unless specifically required by the AHJ. If the AHJ requires a seal, place the text "Not For Construction" next to the seal. Placing the word "Preliminary" on the document is not enough.
4. For documents that include the work of multiple professionals: Each professional whose work is depicted in the document shall sign and seal the document. Examples include Project Manuals, Addenda, Construction Change Directives, and Supplemental Drawings.
5. Calculations, Reports and Studies: For purposes of this work instruction, this term refers to documents that define a process or express a professional opinion which will be used as the basis for a subsequent action or design. In several jurisdictions, the AHJ may require these documents to be signed and sealed.
6. Guide List: The table below is a representative listing of the types of documents Gresham Smith produces. Each listing indicates whether this type of document would normally be signed and sealed. This Guide List is subject to the requirements of each state.

Document	Sign	Seal
<u>Preliminary Documents:</u>		
Program/Space Program	No	No
Conceptual Design	No	No
Preliminary Design	No	No
Schematic Design	No	No
Design Development	No	No
Pricing Set	No	No
Guaranteed Maximum Price Set	No	No
<u>Document</u>	<u>Sign</u>	<u>Seal</u>
<u>Construction Documents:</u>		
Early Release Package	Yes	Yes
Construction Documents including project manual	Yes	Yes
Construction Documents issued for Bidding purposes	Yes (6)	Yes (6)
Subconsultant Drawings	No (3)	No (3)
Addenda	Yes	Yes

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Document	Sign	Seal
Building Permit Set	Yes (4)	Yes (4)
Agency Approval Set	Yes (4)	Yes (4)
Architect's (or Engineer's) Supplemental Instructions	Yes	Yes
Supplemental Drawings	Yes	Yes
Construction Change Directive	Yes	Yes
Work Change Directive	Yes	Yes
Certificate of Substantial Completion	Yes (1)	No
Final Completion/Application for Payment	Yes (2)	No
Environmental Impact Study	Yes	No
Structural Calculations	Yes	Yes
Traffic Study	Yes (1)	Yes
Energy Study	Yes (1)	No
<u>Other Documents:</u>		
Check Sets	No	No
Owner Furnished Equipment Drawings/Book	No	No
Shop Drawings/Submittals	No	No
Job Observation Reports	No	No
Conformed Documents	No (5)	No (5)
Geotechnical Report	No (3)	No
Radiation Shielding Design Report	No (3)	No
Infection Control Risk Assessment	No (3)	No
Design reports (hydrology and hydraulics report)	Yes	Yes
Bridge Inspection Report	Yes	Yes

Key:

1. Signature of the design professional required, but many states do not require the signature to be sealed. Check state law.
2. Must be signed by authorized agreement signer, since this normally indicates the completion of our services.
3. Not signed and sealed by Gresham Smith, but must be signed and sealed by subconsultant's registered individual in the state where the project is located
4. Many state authorities will consider any design document submitted to them as a Construction Document unless clearly labeled as "Preliminary – Not for Construction"
5. See "Policy Regarding Production of Conformed Sets of Documents"
6. If the Client submits for permit during the Bidding timeframe, signing and sealing of the Bid documents is required. Likewise, if the Client submits for permit after Bids are received; a Contractor selected; and an Agreement for Construction executed, signing and sealing of the Bid documents and the permit documents is required (if there are no changes to the Bid documents, those may be submitted for permit). This remains the same regardless of which entity submits for permit (Gresham Smith, Client or Contractor).

22. Sub-consultant information:

Firm Name (Name must match <u>exactly</u> as registered with Louisiana's Secretary of State (SOS): <u>including punctuation, include screenshot(s) from SOS at the end of Section 20</u>)	Address	Point of Contact and email address	Phone Number
Ardaman & Associates, Inc.	316 Highlandia Drive, Baton Rouge, LA 70810	Robert E. Jewell, P.E. RJewell@ardaman.com	225.666.4598
Bridge Diagnostics, Inc.	4300 S I-10 Service Rd W Suite 210, Metairie, LA 70001	Steven Fall, P.E. stevenf@bdttest.com	504.874.1042
Forte and Tablada, Inc.	9107 Interline Avenue, Baton Rouge, LA 70809	Russell "Joey" Coco, Jr. jcoco@forteandtablada.com	225.927.9321
Gulf South Research Corporation	8081 Innovation Park Drive, Baton Rouge, LA 70820	Suna Adam suna@gsrscorp.com	225.757.8088
KTA-Tator, Inc.	145 Enterprise Drive, Pittsburgh, PA 15275	Robert S. Lanterman rlanterman@kta.com	412.303.9407
Modjeski and Masters, Inc.	1100 Poydras St., Suite 900 New Orleans, LA 70163	Cullen J. Ledet, III cjledet@modjeski.com	504.524.4344
Moffatt & Nichol Inc.	301 Main Street, Suite 800, Baton Rouge, LA 70801	Chace Hulon, P.E. chulon@moffattnichol.com	225.610.1932
Volkert, Inc.	9448 Brookline Ave, Baton Rouge, LA 70809	Janet L. Evans P.E., MBA jan.evans@volkert.com	225.218.9440

(Add rows as needed)

23. Location:



Gresham Smith

Genuine Ingenuity

Alpharetta, GA
Atlanta, GA
Baton Rouge, LA
Birmingham, AL
Buford, GA
Charlotte, NC
Chattanooga, TN

Chicago, IL
Cincinnati, OH
Columbus, OH
Dallas, TX
Denver, CO
Detroit, MI
Ft. Lauderdale, FL

Huntsville, AL
Jackson, MS
Jacksonville, FL
Knoxville, TN
Lexington, KY
Louisville, KY
Memphis, TN

Miami, FL
Nashville, TN
Orlando, FL
Richmond, VA
Tallahassee, FL
Tampa, FL

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