ADVERTISEMENT FOR ENGINEERING AND RELATED SERVICES

CONTRACT NO. 4400023812
IDIQ CONTRACT FOR WEIGH STATION ASSESSMENT, REHABILITATION AND PLAN DEVELOPMENT STATEWIDE

PRIME CONSULTANT:
Aillet, Fenner, Jolly
& McClelland, Inc.

DOTD FORM: 24-102

(Revised March 1, 2022)

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.

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

1. Contract title as shown in the advertisement	**IDIQ Contract for Weigh Station Assessment, Rehabilitation and Plan Development, Statewide**
2. Contract number(s) as shown in the advertisement	**Contract No. 4400023812**
3. State Project Number(s), if shown in the advertisement	N/A
4. Prime consultant name (as registered with the Louisiana Secretary of State where such registration is required by law)	**AILLET, FENNER, JOLLY & McCLELLAND, INC.**
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	**EF.0000010 Engineering** **VF.0000003 Survey**
6. Prime consultant mailing address	3003 Knight Street, Ste. 120, Shreveport, LA 71105
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	3003 Knight Street, Ste. 120, Shreveport, LA 71105
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Matthew J. Wallace – President 318-425-7452 mwallace@afjmc.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Matthew J. Wallace – President 318-425-7452 mwallace@afjmc.com

10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.	Signature (shall be the same person as #9):  Date: April 12, 2022
11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.	Firm(s): / Firm(s)' %: APS Engineering and Testing, LLC — 4%

12. Past Performance Evaluation Discipline Table:

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

Past Performance Rating Categories**	% of Overall Contract	AFJMc (Prime)	Gresham Smith (Sub)	SJB Group (Sub)	APS (Sub) (DBE)
Planning (Stage 0)	15%	3%	67%	30%	0%
Surveying (ROW)	5%	0%	0%	100%	0%
Traffic (TTC, Striping, and Signage)	2%	0%	100%	0%	0%
ITS (Power &Communications for Electronic Items)	10%	10%	90%	0%	0%
Roadway (Construction Plan Development)	56%	100%	0%	0%	0%
Bridge (Inspection & Design of Structural Components)	8%	10%	90%	0%	0%
Environmental (Stage 0 and Stage 1)	4%	0%	0%	0%	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%**	**58%**	**28%**	**10%**	**4%**

13. Firm Size:

For all firms that are part of this team, indicate the approximate number of personnel to be committed to this contract, by DOTD Job Classification and the total number of personnel within the firm that could provide support, if needed. If a specialized job classification is required and not included on the DOTD job classification list, specify "Other (xxxx)" and include the classification title inside the parentheses. The DOTD Job Classification(s) to be used can be found at the following link: http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/CCS/Job_Qualification/Job%20Classifications%20with%20Descriptions.pdf

Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
Aillet, Fenner, Jolly & McClelland, Inc.	Accountant	0	1
	Cadd-Operator	3	4
	Clerical	1	2
	Designer	0	1
	Engineer	3	3
	Engineer Intern	0	2
	Instrument Man	0	1
	Professional	0	1
	Principal	1	2
	Supervisor-Engineer	5	6
	Surveyor	0	1

Prime consultant firm name: **Aillet, Fenner, Jolly & McClelland, Inc.**

13. Firm Size: Continued

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	Principal	1	1
	Supervisor - Engineer	2	4
	Supervisor - Other	1	4
	Engineer	2	4
	Planner	2	6
	Engineer Intern	1	4
	Professional	1	1
	Senior Technician	2	2
	Clerical	1	1
SJB Group, LLC	Accountant	0	2
	Administrative	0	4
	CADD-Operator	2	3
	Computer Analyst	0	1
	Engineer	0	1
	Engineer-Intern	0	1
	Instrument Man	4	4
	Landscape Architect	0	1
	Party Chief	6	6
	Principal	1	1
	Professional	1	1
	Rodman	1	1
	Senior Technician	4	5
	Supervisor – Eng	0	3
	Supervisor – Other	2	5
	Surveyor	2	2

Prime consultant firm name: **Aillet, Fenner, Jolly & McClelland, Inc.**

13. Firm Size: Continued

Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
APS Engineering And Testing, LLC	Engineer	5	5
	Driller	3	3
	Technician	12	12

14. Organizational Chart

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

AILLET, FENNER, JOLLY, & McCLELLAND INC.

QA/QC for Structures
AFJMc
Matthew J. Wallace, PE, SE

Robbin Cassity, PE
Principal in Charge

Elba Urbina-Hamilton, PE
Project Manager

Planning (Stage 0)
Richard Savoie, PE
Christina Florez, PE
Brennon Hughes, PE
Denny Silvio, CPM
John Weres, PE

Traffic
Herbert "Bert" Moore II, PE, PLS, PTOE
Rebecca Murray, PE, PTOE, RSP1

ITS (Power & Communications For Electronic Items)
Christina Florez, PE
Doug Smith, PE
Denny Silvio, CPM

Bridge (Inspection & Design of Structural Components)
John Weres, PE
Courtney Rome, PE

Planning (Stage 0)
Elba Urbina-Hamilton, PE
Robbin Cassity, PE
Paul Cormier, PE

Roadway (Construction Plan & Development)
Elba Urbina-Hamilton, PE
Scott Hughes, PE
Dennis J. Dean, PE
Mark W. Snow, PE
J. Daniel Thompson, PE, SE
Edie Langley – CADD
Alan Fenner - CADD

Bridge (Inspection & Design of Structural Components)
Paul Cormier, PE

ITS (Power & Communications For Electronic Items
Robbin Cassity, PE
Daniel Brown, PE
Gabriel Whitaker - CADD

APS Engineering and Testing

Environmental* (Stage 0, Stage 1)
Sergio Aviles, PE
Sairam Eddanapudi, ME, PE
Surendra Raj Pathak, MS, PE

SJB GROUP, LLC
QUALITY BY DESIGN

Planning (Stage 0)
Wilfred Barry, PE, PLS

Surveying (Right of Way)
Matt Estopinal, PE, PLS
Patrick Staiano, PLS
Carl Jeansonne, PLS
Phillip Dowden - P.M.
Colby Mire – P.M.
Anthony Burns – P.M.
Kurt Evans – P.M.
Trent Inglehart – P.M./CADD
Matthew Schexnayder - CADD

*APS Engineering and Testing, LLC is a certified DBE and SBE in the State of Louisiana

Prime consultant name: AILLET, FENNER, JOLLY & McCLELLAND, INC.

15. Minimum Personnel Requirements:

Use the table below to identify both prime consultant and sub-consultant staff designated to work on this contract meeting the Minimum Personnel Requirements (MPRs) specified in the advertisement. Ensure the résumé reflects the required experience stated in the MPR.

MPR No.	Personnel being used to meet the MPR	Firm employed by	Type of license / certification & number	State of license	License / certification expiration date
1	Robbin Cassity, PE	Aillet, Fenner, Jolly & McClelland Inc	Prof. Engineer PE.0026059	LA	3/31/24
2	Elba A. Urbina Hamilton, PE	Aillet, Fenner, Jolly & McClelland Inc	Prof. Civil Engineer PE.0034364	LA	03/31/23
3	Elba A. Urbina Hamilton, PE	Aillet, Fenner, Jolly & McClelland Inc	Prof. Civil Engineer PE.0034364	LA	03/31/23

16. Staff Experience:

Firm employed by: AILLET, FENNER, JOLLY & MCCLELLAND, INC.					
Name	**ROBBIN K. CASSITY, PE, LEED AP**		Years of relevant experience with this employer	24.0	
Title	Electrical Engineer		Years of relevant experience with other employer(s)	13.0	
Degree(s) / Years / Specialization			BS / 1985 / Electrical Engineering		
Active registration number / state / expiration date			PE.0026059 / LA / 3-31-24		
Year registered	1995	Discipline	Electrical		
Contract role(s) / brief description of responsibilities			Principal; Electrical Design		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc.
5/16 to 11/16	**H.012182.1, Weigh Station Design, Renovation and Upgrade –** Site visits to conduct assessment and inventory of all existing electrical equipment and conditions. Included the assessment of the existing site lighting including pole location with fixture type, and exterior/site lighting control.
2/13 to 12/16	**SP #455-09-0001 and SP#455-09-0002 (H.003886 / H.003496 / H.003495 / H.011111/ H.011105) - I-49 North, I-220 to LA 1** - Electrical Engineer responsible for roadway lighting on I-49. This segment includes the I-49/I-220 Interchange.
3/11 to 8/13 **11/11** **7/13 to 8/13** **3/11 to 4/11**	**SP#4400001234, Retainer Contract for Electrical Services Statewide -** Providing electrical design services for new and existing DOTD facilities. Including the design of building electrical power, lighting, emergency generator and other special systems as needed. **H.970609.1**, District 62 – Franklinton Maintenance Unit, Washington Parish **H.971895.1**, Section 42 – Central Repair Shop Renovations, East Baton Rouge Parish **H.971552.1**, East Baton Rouge Parish – HQ Renovation Truck Permits
12/19	**DOTD Headquarters Helipad, Baton Rouge, LA (H.972332.1)** Electrical design for the DOTD Headquarters helipad.
8/03 to 6/06	**SP# 044-01-0038, Benton Road, LA Highway 3 Overpass, Bossier City, LA -** Responsible for engineering design for the installation of roadway lighting along the approaches and overpass at LA Highway 3 and Benton Road Spur. Plans coordinated with roadway and overpass design plans by AFJMc Transportation group. Plans included with overall project set and issued for bid as part of complete roadway project.
12/01 to 6/04	**SP# 427-01-01-0024, Louisiana Highway 3132, The Inner Loop Expressway - Roadway Lighting, Shreveport, LA -** Responsible for engineering design and project management for the installation of roadway lighting for an approximate 7-mile section of the highway. Project included lighting layout-design, power distribution and control. Teamed with DBE firm for COS Fair Share Program. Design complete and submitted to the City of Shreveport.
8/07 to 9/07	**SP #5029-06B-02, Highway 80, Bossier Parish, LA, Industrial Drive To I-220 -** Provided design engineering of lighting system. Performed lighting and electrical calculations, determined fixture locations and electrical service/control for approximately 2.5 miles of highway.

11/98 to 5/01	**SP #604-01-0037, LaDOTD Office Building, Bossier City, LA -** Responsible for the engineering design of lighting, power, voice and data communications, fire alarm and access control systems for a new, two-story office building for the LaDOTD District 04 Headquarters.
11/02 to 6/03	**General Motors Boulevard - Roadway Lighting, Shreveport, LA (no project number) -** Responsible for the engineering design and project management for the installation of roadway lighting for an approximate 2-mile roadway. Project included lighting layout/design, power distribution and control, as well as preparation of the complete bid package.
12/02 to 10/05	**Traffic Street, Phase 2 - Roadway Lighting, Bossier City, LA (no project number) -** Responsible for the engineering design of a section of roadway lighting extending from the intersection with U.S. Highway 80. Project included lighting layout/design, power distribution and control. Project required coordination with traffic signal engineering. Utilized architectural poles and fixtures for coordination with area retail development.
12/02 to 10/05	**Traffic Street, Phase 3 - Roadway Lighting, Bossier City, LA (no project number) -** Engineering design for the extension of Phase 2 lighting further along Traffic Street and underneath an existing railway overpass. Design complete. Plans included with overall roadway design by AFJMc Transportation Group. Awaiting issue for construction.
7/04 to 8/07	**Arthur Teague Parkway - Roadway Lighting, Bossier City, LA (no project number) -** Engineering design for roadway lighting along the Phase I Extension north, approximately 1/4 mile. Utilized architectural poles and fixtures for coordination with existing and planned lighting along Traffic Street. Plans included with roadway design plan set by AFJMc Transportation group.

16. Staff Experience:

Firm employed by: AILLET, FENNER, JOLLY & MCCLELLAND, INC.				
Name	**ELBA A. URBINA HAMILTON, PE**		Years of relevant experience with this employer	18.0
Title	Civil Engineer		Years of relevant experience with other employer(s)	2.0
Degree(s) / Years / Specialization			MS / 2002 / Civil Engineering; BS / 1998 / Civil Engineering	
Active registration number / state / expiration date			PE.0034364 / LA / 3-31-23	
Year registered	2009	Discipline	Civil	
Contract role(s) / brief description of responsibilities			Project Manager / Civil design	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
2/15 to 4/20	**CONTRACT NO. 4400004673, *Retainer Contract for Weigh Station Design, Renovation and Upgrade – Statewide* | Project Manager and Designer.** As a project engineer for several task orders, Elba was responsible for coordinating with State Police and LADOTD in identifying needs that will meet the approved budget. She was responsible for data collection, providing site investigation, developing preliminary and final plans, and engineering design services for selected Weigh in Motion projects. She also was responsible for bid document preparation, and contract administration. The following is a list of the projects that she performed under this contract and a brief description of her responsibilities. • **Weigh Station Design, Renovation and Upgrade, Statewide – TO #H.012182.1 – Her services included inventory of all electrical components at the following weigh stations in Louisiana: Baptist, Breaux Bridge, Delta, Greenwood, Kentwood, LaPlace, Starts and Toomey.** • **Virtual Weigh-In-Motion US HWY 61, US HWY 61, West Feliciana Parish – TO # H.012164.5-1 – Design roadway plans, guardrail, regulatory and warning signs, traffic control for the weigh-in-motion location.** • **I-10: Texas State Line-E. of Coone Gully, Route I-10, Calcasieu Parish – TO # H.003184.5 – Design roadway plans, guardrail, regulatory and warning signs, traffic control for the weigh-in-motion location.**
11/20 to 8/21	**H.011446.5, Mound Rest Area Improvements, Route I-20 – Project Manager and Designer**. Responsible for design of new acceleration and deceleration ramps/drives into the rest area, new car and truck parking facilities, site grading and drainage systems with storm water management. The project also includes general site amenities such as pedestrian walkways and a courtyard.
12/19 to 2/20	**SP No. H.972331.1 - Headquarters' Helipad Lighting and Electrical System, East Baton Rouge Parish | Project Manager.** Elba was responsible for coordinating with LADOTD in identifying needs that will meet the approved budget. She also was responsible for bid document preparation, and contract administration for this project.
12/04 to 2/20	**SP #455-09-0001 and SP#455-09-0002 (H.003886 / H.003496 / H.003495 / H.011111/ H.011105) - I-49 North, I-220 to LA 1** – Project Manager for this 5.4 mile project, I-220 to Martin Luther King Drive and Martin Luther King Drive to Louisiana Highway 1. Developed horizontal and vertical alignments, geometric design of the new interchange layout for this 5.4 mile project, including overseeing roadway and drainage design, topographic and property surveys, right-of-way maps, coordination with sub-consultants and other engineering companies

3/04 to 3/08	**SP# 038-03-0022 - US HWY 425 – Bastrop to Log Cabin –** LaDOTD District 5: Project Designer for this 4.2 mile project under LTM management. This project consists of a modified suburban section. Responsibilities included verifying that preliminary plans met current design criteria, developing horizontal and vertical alignments, geometric design for intersections and cross drain design for both urban and rural sections of the project.
11/05 to 12/07	**SP#044-01-0038, LA 3, Benton Road Overpass, Bossier City, LA -** Project Designer for final construction plans and documents for a five lane urban realignment of LA 3 over the Kansas City Southern Railroad, including parcel calculations and right-of-way maps and construction phase services.
5/09 to 3/15	**Palmetto Road, Bossier Parish, LA (no project number) -** The Bossier Parish Police Jury selected AFJM to conduct a Line and Grade Study to three lane of a narrow two lane road. After completing the study, AFJM prepared the Preliminary Plans and Final Plans to widen the road and an existing two lane bridge.
9/07 to 9/09	**Linton Road, Bossier Parish, LA (no project number) –** Elba was responsible for the geometric realignment of a curve which did not meet design standards and the rehabilitation of the remainder of the road. Her responsibilities also included estimated construction costs and bid document preparation for the Bossier Parish Police Jury.
9/07 to 9/08	**Arthur Ray Teague Parkway, Bossier City, LA (no project number) -** Project Designer for the continuation of the existing parkway along the Red River in Bossier City.
1/09 to 9/11	**Traffic Street Improvements and Underpass, Bossier City, LA (no project number) -** Project Designer for final construction plans and documents for a five lane urban street widening and Kansas City Southern Railroad Underpass, including parcel calculations and right-of-way maps.
***Mrs. Hamilton has completed Traffic Engineering Process and Report Course and Traffic Control Supervisor training.**	

16. Staff Experience:

Firm employed by:	**AILLET, FENNER, JOLLY & MCCLELLAND, INC.**				
Name	**SCOTT M. HUGHES, PE**		Years of experience with this firm/employer	17.8	
Title	Civil Engineer		Years of experience with other firm(s)/employer(s)	9.5	
Degree(s) / Years / Specialization			BS / 1994 / Civil Engineering		
Active registration number / state / expiration date			PE.0029045 / LA / 9-30-22		
Year registered	2000	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Civil Design		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc.
11/20 to 8/21	**H.011446.5, Mound Rest Area Improvements, Route I-20 – Civil Designer**. Responsible for site grading and drainage systems with storm water management.
1/12 to 2/20	**SP #455-09-0001 and SP#455-09-0002 (H.003886 / H.003496 / H.003495 / H.011111/ H.011105) - I-49 North, I-220 to LA 1 -** Project Engineer – Responsible for drainage design and sewer design. This segment includes the I-49/I-220 Interchange.
3/12 to 9/16	**SP # 742-10-0130, Sale Road Bridge, Lake Charles, LA -** 0.375 mile urban bridge replacement project, Widening of Sale Road and bridge from two lanes to a four lane road with curb, subsurface drainage, 7 span bridge, sheet pile retaining walls, guard rails and sanitary sewer relocation.
7/01 to 4/02	**SP #044-01-0038, LA 3, Benton Road Overpass, Bossier Parish –** Project Designer for preliminary plans of a five-lane urban realignment of LA 3 over the Kansas City Southern Railroad. Responsibilities included design of drainage system which included storm sewer and cross drains.
2/12 to 10/12	**Palmetto Road, Bossier Parish, LA (no project number) -** The Bossier Parish Police Jury selected AFJM to conduct a Line and Grade Study to three lane of a narrow two lane road. Having completed the study AFJM developed the Preliminary Plans and Final Plans to widen the road and an existing two lane bridge.
9/01 to 5/02	**Traffic Street Improvements and Underpass, Bossier Parish (no project number) –** Design Engineer for construction plans of a five-lane urban street widening and Kansas City Southern Railroad underpass for the City of Bossier City responsible for design of underground drainage system.
9/98 to 5/01	**SP #025-05-0024, US 171, Mansfield, DeSoto Parish –** Project Designer for 4.2 mile, five-lane urban roadway. Responsible for storm sewer system and cross drain design.
1/95 to 3/02	**SP #700-29-0076, US 171, Sabine Parish Line to South Mansfield, DeSoto Parish –** Project Designer of four-lane rural highway responsible for design of cross drains and hydraulic analysis of new slab span bridge over Bear Creek.
2009	**SP #455-09-0007, I-49 North, US 71 to LA 2, Caddo Parish** – Final Plans – LaDOTD District 4: Design Engineer. Responsibilities included design of US 71 widening at I-49 interchange, LA 2 realignment at I-49 interchange, interchange ramps at US 71 and LA 2, and drainage design for this 3.7 mile project. *(Employed with another company)*

2011	**Linwood Avenue Reconstruction, Caddo Parish (no project number) –** Project Engineer for 1.5 mile, two-lane roadway. Responsibilities included design of roadway grading, cross drain structures, pavement markings, and evaluation of existing cross drain structures. *(Employed with another company)*
2008	**SP #103-01-0025, LA 523, Jct. Existing 5-Lane to LA 1, Caddo Parish** – Preliminary and Final Plans – LaDOTD District 4: Project Engineer for 2.7 mile, five-lane project. Responsibilities included refining horizontal and vertical geometry provided in line and grade study to meet AASHTO and LaDOTD standards and to minimize Right-Of-Way acquisition costs, design of roadway grading, drainage, pavement markings and traffic signage. *(Employed with another company)*
5/12 to 8/17 **(5/12 to 8/17)** **(2/15)** **(5/12 to 1/14)** **(12/12)** **(5/12 to 1/14)**	**SP #700-99-0436 / #700-99-0444 - Retainer Contract for Safe Routes To School Local Road Safety Program Dist. 04, 05, 08 & 58 (2008-Present) -** Selected to perform engineering and related services for the following: Prepare preliminary and final plans for selected sidewalk and minor road projects; perform construction engineering, inspection and testing services for selected construction/installation projects; provide site investigation and engineering for selected signing and marking projects; perform traffic engineering studies and inspection services for selected locations. The following projects are being performed under AFJMc's current SRTS/LRSP contract, which is on-going. ➢ **Louisiana Avenue Pedestrian Sidewalk, Town of Rosepine– SP #H.006619: Sidewalk design and related services along the east side of Louisiana Avenue from the intersection of Culbreath Drive and Weeks Road, south of Calhoun Street for approximately 1,875 linear feet in the Town of Rosepine.** ➢ **High School Drive Pedestrian Sidewalk, Town of Rosepine– SP #H.006618: Sidewalk design and related services along the north side of High School Drive between Louisiana Avenue and Highway 171 for approximately 1,100 linear feet in the Town of Rosepine.** ➢ **Grigsby & Range Road, Jackson Parish – SP #H.006511:** Study and recommendations for the improvement of Grigsby & Range Road. ➢ **Natchitoches Parish Streets, Natchitoches Parish – SP #H.006557:** Inventory of signs, replacement and new signs as required parish wide, using MUTCD standards. ➢ **Rome Road, Jackson Parish – SP #H.006511:** Study and recommendation of sight distances and safety improvement on a section of Rome Road.

16. Staff Experience:

Firm employed by: AILLET, FENNER, JOLLY & MCCLELLAND, INC.					
Name	**DANIEL BROWN, PE, LEED AP**		Years of relevant experience with this employer	14.0	
Title	Electrical Engineer		Years of relevant experience with other employer(s)	0.0	
Degree(s) / Years / Specialization			BS / 2008 / Electrical Engineering		
Active registration number / state / expiration date			PE.0041687 / LA / 9-30-23		
Year registered	2017	Discipline	Electrical		
Contract role(s) / brief description of responsibilities			Electrical design		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc.
11/20 to 8/21	**H.011446.5, Mound Rest Area Improvements, Route I-20 –** Electrical engineer responsible for converting the site to 3-Phase power, site lighting, CCTV surveillance systems, back-up generator systems, surge protection, and replacing lighting on the interstate ramps.
4/19 to 4/20	**Virtual Weigh-in-Motion US Hwy 61, W. Feliciana Parish, LA, (H.012164-1)** Prime consultant to develop construction road plans for the placement of a Virtual Weigh-In-Motion (VWIM) station, south of Louisiana/Mississippi State Line. The plans included electrical and guardrail design for the site.
2/19 to 4/20	**I-10: Texas State Line-E. of Coone Gulley, WIM Toomey Weigh Station, I-10 –** Electrical design for electrical equipment including cabinet, poles, and cameras,
4/13 to 3/18	**SP #455-09-0001 and SP#455-09-0002 (H.003886 / H.003496 / H.003495 / H.011111/ H.011105) - I-49 North, I-220 to LA 1** – Electrical design for roadway lighting on I-49. This segment includes the I-49/I-220 Interchange.
8/11 to 5/16 **(8/11 - 4/13)** **(8/11 - 5/16)**	**SP#4400001234, Retainer Contract for Electrical Services Statewide -** Providing electrical design services for new and existing LaDOTD facilities. Including the design of building electrical power, lighting, emergency generator and other special systems as needed. **H.970609.1**, District 62 – Franklinton Maintenance Unit, Washington Parish **H.971895.1**, Section 42 – Central Repair Shop Renovations, East Baton Rouge Parish
5/17 – 8/17	**City of Shreveport Water and Sewer Field Operations Center, Shreveport, LA(no project number) -** Gather data and report on conditions of 50 year old facility which will be converted into new Operations Center for the City of Shreveport Water and Sewer Department.
3/09 to 6/09	**DeSoto Fire Station, DeSoto Parish, LA (no project number) -** Mechanical, electrical and plumbing design related to the renovation and expansion of an existing single story fire station. Under scope of work, areas included kitchen, dining, dayroom and vehicle/apparatus space. MEP services included HVAC, plumbing, fire protection, power, lighting & data communications.

8/08 – 3/09	**Bossier Fire Station #6, Bossier City, LA (no project number) -** MEP design for a new two-story city fire station. Facility included vehicle areas, sleeping quarters, lounge, full-service kitchen, offices, training, communications, administration, fitness and storage. MEP services included HVAC, plumbing, fire protection, power, lighting & data communications.
7/10	**Bossier Law Enforcement – Administration Building, Bossier Parish, LA (no project number) -** MEP engineering services for the renovation and expansion of an existing two-story office building. Under the scope of work, associated construction areas included offices, meeting rooms, communications, administration and storage.
12/10	**Red River Parish Ambulance Station, Red River Parish, LA (no project number) -** Mechanical, electrical and plumbing design for a new single story parish ambulance/EMS facility. Station included vehicle areas, sleeping quarters, kitchen, offices, training, communications, administration and storage. MEP services included HVAC, plumbing, fire protection, power, lighting & data communications.
7/08 – 12/08	**Air Cargo Facility – Shreveport Regional Airport, Shreveport, LA (no project number) -** Electrical design for general interior and exterior power and lighting. Facilities were covered by multiple electrical services of differing voltages as well as being interconnected and configured with an emergency generator. Special systems were comprised of fire alarm systems for the interior spaces and security systems interfacing with airport security for card readers and gates. Buildings were provided with an underground, perimeter lightning protection system.
7/08 – 4/09	**Louisiana Tech Data Replication Center, Ruston, LA (no project number) -** Project consisted of designing high level of security for a data replication center for all LA state agencies. High level of security wing consisted of designing and coordinating with all city and state municipalities in providing normal and UPS electrical power, security clearances, access control systems, preaction fire system, CCTV, and HVAC systems.

16. Staff Experience:

Firm employed by: **AILLET, FENNER, JOLLY & MCCLELLAND, INC.**					
Name	**PAUL CORMIER, PE**		Years of experience with this firm/employer	14.5	
Title	Structural Engineer		Years of experience with other firm(s)/employer(s)	18.0	
Degree(s) / Years / Specialization			BS / 1989 / Civil Engineering ME / 1994 / Civil Engineering		
Active registration number / state / expiration date			PE.0027019 / LA / 3-31-23		
Year registered	1996	Discipline	Civil, Structural		
Contract role(s) / brief description of responsibilities			Structural design		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc.
11/20 to 8/21	**H.011446.5, Mound Rest Area Improvements, Route I-20 –** Responsible for **s**tructural design which includes foundation design for overhead structures such as pavilions, covered walkways and the design of wood bridges and bulkhead at pond edges.
6/13 to 8/13	**SP #455-09-0001 and SP#455-09-0002 (H.003886 / H.003496 / H.003495 / H.011111/ H.011105) - I-49 North, I-220 to LA 1** – Check concrete structures for inverted siphon.
2/09 to 2/12	**Regional Commerce Center for Port of Shreveport-Bossier, Shreveport, LA, (no project number) -** Structural design for a 33,000 sq ft., three-story office building which is LEED Gold certified. First floor is a conventional concrete structure and includes a parking area. The second and third floors are conventional steel structures. The Commerce Center is designed with aluminum composite skins and glass curtain wall system, and is designed to take advantage of natural lighting and sun exposure.
2007 - 2008	**Pratt Paper (LA), LLC, Shreveport, LA, (no project number) -** Provided building and equipment foundation design, pile-supported concrete ground floor framing, steel-framed operating floor framing and roof design for manufacturing plant, office, materials recycling facility and waste treatment facilities. Crane girder framing and foundation design for (2) 55 metric tonne bridge cranes. AFJMc provided design services for construction and installation of a truck scale including roadways, maps, foundations, electrical power and communication conduit.
2016-2017	**Wieland Davco, Shreveport, LA, (no project number) -** AFJMc served as structural engineer of record for conversion of load-bearing masonry structure formerly housing the original Sci-Port children's museum into an office for a construction company. Project involved demolition and remodeling of front façade and the addition of interior lateral load resisting elements to stabilize building lateral drift and the creation of openings in the existing load-bearing masonry walls.
2008-2009	**A.D.S. Logistics / Port Of Caddo Bossier, Shreveport, LA, (no project number) -** Structural design of 100,000 SF warehouse which included foundation plans and framing plans for roof and bridge cranes.

16. Staff Experience:

Firm employed by: **AILLET, FENNER, JOLLY & MCCLELLAND, INC.**				
Name	**MATTHEW J. WALLACE, PE, SE**		Years of experience with this firm/employer	27
Title	President		Years of experience with other firm(s)/employer(s)	6
Degree(s) / Years / Specialization			BS / 1989 / Civil Engineering	
Active registration number / state / expiration date			PE.0025922 / LA / 9-30-23	
Year registered	1994, 2016	Discipline	QA/QC; Structural	
Contract role(s) / brief description of responsibilities			QA/QC, Engineering support, Structural design	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc.
1/22 to 4/22	**SP #H.972448.1 DOTD Central Repair Shop (Heavy Repair Shop Addition), East Baton Rouge Parish, LA –** Project manager for foundation design for metal building based on DOTD's provided soils report or matching existing adjacent building; Slab design; Schematic metal building design based on architectural floor plan, roof plan, and elevations; Shop drawing review for metal building and foundation elements and site visit during construction.
5/11 to 2/20	**SP #455-09-0001 and SP#455-09-0002 (H.003886 / H.003496 / H.003495 / H.011111/ H.011105) - I-49 North, I-220 to LA 1** – Project Engineer providing structural support. This segment includes the I-49/I-220 Interchange.
9/12 to 12/17	**SP # 742-10-0130, Sale Road Bridge, Lake Charles, LA -** 0.375 mile urban bridge replacement project, Widening of Sale Road and bridge from two lanes to a four lane road with curb, subsurface drainage, 7 span bridge, sheet pile retaining walls, guard rails and sanitary sewer relocation.
3/12 to 6/12	**Palmetto Road Bridge, Bossier Parish, LA (no project number) -** Structural lead for widening of a slab span bridge.
2/04 to 6/10	**SP #038-03-0022, U.S. 425, Bastrop-Log Cabin, Morehouse Parish -** Structural Lead for final design of one five-lane and one two-lane highway bridges.
1996	**Ockley Street Bridge Replacement, City Of Shreveport, Shreveport, LA (no project number) -** Structural engineer for new two lane bridge with sidewalks required when Ockley Ditch was widened. Prestressed concrete beam with concrete deck and concrete pile.
6/04 to 7/04	**Willow Chute Bridge, Parish Hwy No. 3105, Bossier Parish, LA (no project number) -** Structural Lead for final design of a precast prestressed slab span replacement bridge.
1999	**R-1 Railway Bridge, FT. Polk, LA (no project number)-** Project Management, Bridge design for the replacement of R-1 railway bridge.
1/03 to 11/06	**SP#044-01-0038, LA 3, Benton Road Overpass, Bossier Parish -** Project Supervision for a five lane urban realignment of LA 3 over the Kansas City Southern Railroad.
3/00	**SP #604-01-0037, LaDOTD Office Building, Bossier City, LA -** Responsible for the structural engineering design of a new, two-story office building for the LaDOTD District 04 Headquarters.

16. Staff Experience:

Firm employed by: AILLET, FENNER, JOLLY & MCCLELLAND, INC.				
Name	**DENNIS J. DEAN, PE**		Years of experience with this firm/employer	31.0
Title	Civil Engineer		Years of experience with other firm(s)/employer(s)	13.0
Degree(s) / Years / Specialization			BS / 1976 / Building Construction BS / 2000 / Civil Engineering	
Active registration number / state / expiration date			PE.0031606 / LA / 3-31-23	
Year registered	2004	Discipline	Civil	
Contract role(s) / brief description of responsibilities			Civil Design	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc.
11/20 to 8/21	**H.011446.5, Mound Rest Area Improvements, Route I-20 –** Civil design for design of new acceleration and deceleration ramps/drives into the rest area, new car and truck parking facilities, site grading and drainage systems with storm water management. The project also includes general site amenities such as pedestrian walkways and a courtyard.
11-03	**SP# 025-03-0024, US 171 Many-Zwolle, Sabine Parish, LA:** Design of two additional lanes with crossovers. Prepare right-of-way maps, design drainage and realign Lewis Creek
9-01	**Traffic Street Improvements and Underpass, Bossier City, LA (no project number) -** Engineering Design for final construction plans and documents for a five lane urban street widening and Kansas City Southern Railroad Underpass, including parcel calculations and right-of-way maps.
8/04 to 11/07	**Arthur Ray Teague Parkway, Bossier City, LA (no project number) -** Project Designer for the continuation of the existing parkway along the Red River in Bossier City.
1/19 to Present	**Caddo Parish Roads Overlay Program, Caddo Parish, Louisiana, (no project number):** Design of parish roads base rehabilitation and asphalt overlay program. Mr. Dean has been Project Manager of the Caddo Parish Roads Overlay Program for the past twelve (12) years. Project includes production of road drawings based upon measurements and identification of rehabilitation requirements by the Parish. Preparation of construction cost estimate, specifications and bidding documents.
2012-2013	**Haughton Middle School Paving and Drainage Improvements, Bossier Parish School Board, 2012-2013 (no project number):** Project Engineer for the construction of paving and drainage improvements at Haughton Middle School. Work included sidewalk demolition, removal of existing drainage inlets and piping, clearing and grubbing of turf and shrubs; miscellaneous demolition; subgrade and existing ditch grading, installation of subsurface drainage pipe, inlets and trench drains; Portland cement concrete paving; sodding, seeding, fertilizing and installation of erosion control matting.
1999-2000	**Lindbergh Road, Barksdale Air Force Base, LA, 1999- 2000 (no project number):** Demolition and reconstruction of 0.9 mile major arterial roadway, seven intersections and side streets. Project inclusive of pavement and geometric design, drainage design, utility re-design and relocation, and sidewalk design.

2/02 to 8/05	**Benton Road Utilities Relocation, Bossier City, Louisiana, 2000-2005 (no project number):** Preparation of water distribution system and sanitary sewer plan and profile design drawings necessary to relocate utilities for the Benton Road Overpass project. Relocated utilities were closely coordinate with roadway plans including storm drainage, embankment, right of way limits, bridge structural foundation and topographical surveys.
2007-2008	**Riverside Drive Utilities, Bossier City, Louisiana, 2007-2008 (no project number):** Preparation of plan and profile design drawings to relocate utilities as required for widening Riverside Drive. Coordinated design with roadway plan and profile drawings, right of way and existing utility crossings.
2013-2014	**Kingston Elementary School, Fairburn Avenue, Bossier Parish School Board, 2013-2014 (no project number):** Design of concrete roadway access form Kingston Road into new school. Scope of work included plan and profile of roadway and storm sewer, detention facilities, site grading and drainage, utility extensions and traffic signage. Project required extensive coordination with Kingston Road widening project engineers for Bossier Parish Police Jury.

16. Staff Experience:

Firm employed by: **AILLET, FENNER, JOLLY & MCCLELLAND, INC.**					
Name	**J. DANIEL THOMPSON, PE, SE**		Years of experience with this firm/employer	16	
Title	Civil Engineer; Structural Engineer		Years of experience with other firm(s)/employer(s)	0	
Degree(s) / Years / Specialization			BS / 2006 / Civil Engineering; MS / 2010 / Engineering & Technology Mgmt.		
Active registration number / state / expiration date			PE.0035628 / LA / 9-30-22		
Year registered	2006; 2016	Discipline	Civil; Structural		
Contract role(s) / brief description of responsibilities			Civil Design		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc.
5/20	**Taylor Tiger Track, Taylor, AR (no project number)** – Design a Shared Use Trail beginning at Pope Street and extending east along the abandoned railway for approximately 3/4 miles. Mr. Thompson is providing coordination and preparation of bid documents and contract administration.
1/07 to 12/08	**Linton Road, Bossier Parish, LA (no project number) –** Geometric realignment of a curve which did not meet design standards and the rehabilitation of the remainder of the road.
2006	**SP #455-09-0001 and SP#455-09-0002 (H.003886 / H.003496 / H.003495 / H.011111/ H.011105) - I-49 North, I-220 to LA 1 – (2006) -** Built templates, decision tables and superelevation for ramps over I-220 and MLK Drive. Also calculated and set right of way for mainline 49 as well as the ramps from I-220, MLK Drive and LA 1.
2006	**SP#038-03-0022, US Highway 425, Bastrop – Log Cabin, Morehouse Parish, LA -** Designed subsurface drainage and storm sewer systems with the use of Inroads Storm and Sanitary and LADOTD Hydraulics programs. Built templates, decision tables and superelevation for mainline US 425 and the side roads that connect. Performed design for all returns for the side roads and created all Typical Sections for the project.
2006	**SP#044-01-0038, LA 3, Benton Road Overpass, Bossier Parish -** Final construction plans and documents for a five lane urban realignment of LA 3 over the Kansas City Southern Railroad, including parcel calculations and right-of-way maps and construction phase services.
2007	**Linton Road, Bossier Parish, LA (2007) (no project number):** The redesign and reconstruction of a deadly curve and the rehabilitation of the remainder of the road. AFJM corrected the curve to AASHTO and LADOTD standards to allow for a safe sight distance. AFJM also relocated an existing 8" waterline and developed Right-Of-Way maps.
2006	**Arthur Ray Teague Parkway, Bossier Parish, LA (no project number):** Project Designer for the continuation of the existing parkway along the Red River in Bossier City.

16. Staff Experience:

Firm employed by: **AILLET, FENNER, JOLLY & MCCLELLAND, INC.**				
Name	**MARK W. SNOW, PE, LEED AP BD+C**		Years of experience with this firm/employer	36
Title	Civil Engineer		Years of experience with other firm(s)/employer(s)	1
Degree(s) / Years / Specialization			BS / 1986 / Civil Engineering MS / 2003 / Engineering & Technology Management	
Active registration number / state / expiration date			PE.0024203 / LA / 03-31-24	
Year registered	1991	Discipline	Civil	
Contract role(s) / brief description of responsibilities			Civil Design	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc.
11/20 to 8/21	**H.011446.5, Mound Rest Area Improvements, Route I-20 –** Civil design of new acceleration and deceleration ramps/drives into the rest area, new car and truck parking facilities, site grading and drainage systems with storm water management. The project also includes general site amenities such as pedestrian walkways and a courtyard.
2013-2014	**Fairburn Avenue, Kingston Elementary School, Bossier Parish School Board, (no project number):** Design of concrete roadway access form Kingston Road into new school. Scope of work included plan and profile of roadway and storm sewer, detention facilities, site grading and drainage, utility extensions and traffic signage. Project required extensive coordination with Kingston Road widening project engineers for Bossier Parish Police Jury.
2012-2013	**Haughton Middle School Paving and Drainage Improvements, Bossier Parish School Board, (no project number):** Project Engineer for the construction of paving and drainage improvements at Haughton Middle School. Work included sidewalk demolition, removal of existing drainage inlets and piping, clearing and grubbing of turf and shrubs; miscellaneous demolition; subgrade and existing ditch grading, installation of subsurface drainage pipe, inlets and trench drains; Portland cement concrete paving; sodding, seeding, fertilizing and installation of erosion control matting.
3/05 to 8/05	**Benton Road Utilities Relocation, Bossier City, Louisiana, (no project number):** Preparation of water distribution system and sanitary sewer plan and profile design drawings necessary to relocate utilities for the Benton Road Overpass project. Relocated utilities were closely coordinate with roadway plans including storm drainage, embankment, right of way limits, bridge structural foundation and topographical surveys.
5/08 to 6/08	**Arthur Ray Teague Extension, Bossier City, LA (no project number)**: Design for a five lane urban highway, including parcel calculations and right-of-way maps.
11-03	**SP# 025-03-0024, US 171 Many-Zwolle, Sabine Parish, LA:** Design of two additional lanes with crossovers. Prepare right-of-way maps, design drainage and realign Lewis Creek
1/99	**SP # 025-05-0024, US 171 State Route in Mansfield, Desoto Parish, LA:** Civil design for 4.7 miles of both five lane urban roadway through the City of Mansfield with subsurface drainage and four lane divided rural roadway, geometric designs, hydraulic designs, traffic signalization, P.P.C. girder span bridges, construction sequencing and phasing schemes.

10/92 to 7/97	**SP #700-29-0076, US 171 State Route Sabine Parish Line to South Mansfield:** 11.701 miles of rural highway design for widening from two lanes to divided four lanes with highway overpass at Kansas City Southern Railroad providing survey service, heavy roadway design, and preparation of right-of-way for DOTD.
1999-2000	**Lindbergh Road, Barksdale Air Force Base, LA, (no project number):** Demolition and reconstruction of 0.9 mile major arterial roadway, seven intersections and side streets. Project inclusive of pavement and geometric design, drainage design, utility re-design and relocation, and sidewalk design.
1986	**Louisiana 511 Widening, Shreveport, LA, (no project number):** Project performed for Louisiana Department of Transportation and Development. Project Engineer responsible for engineering design on project to widen Louisiana State Highway 511 between Bayou Pierre and the Industrial Loop. Engineering design inclusive of pavement design, associated drainage, lighting, and landscaping design and construction inspection.

16. Staff Experience:

Firm employed by: AILLET, FENNER, JOLLY & MCCLELLAND, INC.				
Name	**ALAN FENNER**		Years of experience with this firm/employer	35
Title	Cadd Draftsman		Years of experience with other firm(s)/employer(s)	0.0
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			Cadd Drafting	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc.
11/20 to 8/21	**H.011446.5, Mound Rest Area Improvements, Route I-20 –** Cadd drafting for design of new acceleration and deceleration ramps/drives into the rest area, new car and truck parking facilities, site grading and drainage systems with storm water management. The project also includes general site amenities such as pedestrian walkways and a courtyard.
1/19 to Present	**Caddo Parish Roads Overlay Program, Caddo Parish, Louisiana, (no project number):** Drafting for the design of parish roads base rehabilitation and asphalt overlay program. Mr. Dean has been Project Manager of the Caddo Parish Roads Overlay Program for the past twelve (12) years. Project includes production of road drawings based upon measurements and identification of rehabilitation requirements by the Parish. Preparation of construction cost estimate, specifications and bidding documents.
2012-2013	**Haughton Middle School Paving and Drainage Improvements, Bossier Parish School Board, 2012-2013 (no project number):** Drafting for the construction of paving and drainage improvements at Haughton Middle School. Work included sidewalk demolition, removal of existing drainage inlets and piping, clearing and grubbing of turf and shrubs; miscellaneous demolition; subgrade and existing ditch grading, installation of subsurface drainage pipe, inlets and trench drains; Portland cement concrete paving; sodding, seeding, fertilizing and installation of erosion control matting.
2013-2014	**Kingston Elementary School, Fairburn Avenue, Bossier Parish School Board, 2013-2014 (no project number):** Drafting for the design of concrete roadway access form Kingston Road into new school. Scope of work included plan and profile of roadway and storm sewer, detention facilities, site grading and drainage, utility extensions and traffic signage. Project required extensive coordination with Kingston Road widening project engineers for Bossier Parish Police Jury.
2007-2008	**Riverside Drive Utilities, Bossier City, Louisiana, 2007-2008 (no project number):** Drafting for the preparation of plan and profile design drawings to relocate utilities as required for widening Riverside Drive. Coordinated design with roadway plan and profile drawings, right of way and existing utility crossings.
8/04 to 11/07	**Arthur Ray Teague Parkway, Bossier City, LA (no project number) -** Drafting for the continuation of the existing parkway along the Red River in Bossier City.

9/92 to 3/03	**SP #700-29-0076, US 171 State Route Sabine Parish Line to South Mansfield:** Cadd drafting 11.701 miles of rural highway design for widening from two lanes to divided four lanes with highway overpass at Kansas City Southern Railroad providing survey service, heavy roadway design, and preparation of right-of-way for DOTD.
6/97 to 7/04	**SP# 025-03-0024, US 171 Many-Zwolle, Sabine Parish, LA:** Cadd drafting for design of two additional lanes with crossovers. Prepare right-of-way maps, design drainage and realign Lewis Creek
2/02 to 8/05	**Benton Road Utilities Relocation, Bossier City, Louisiana, 2000-2005 (no project number):** Drafting for preparation of water distribution system and sanitary sewer plan and profile design drawings necessary to relocate utilities for the Benton Road Overpass project. Relocated utilities were closely coordinate with roadway plans including storm drainage, embankment, right of way limits, bridge structural foundation and topographical surveys.
9-01	**Traffic Street Improvements and Underpass, Bossier City, LA (no project number) -** Drafting for final construction plans and documents for a five lane urban street widening and Kansas City Southern Railroad Underpass, including parcel calculations and right-of-way maps.
4/98 to 3/01	**SP # 025-05-0024, US 171 State Route in Mansfield, Desoto Parish, LA:** Cadd drafting for design for 4.7 miles of both five lane urban roadway through the City of Mansfield with subsurface drainage and four lane divided rural roadway, geometric designs, hydraulic designs, traffic signalization, P.P.C. girder span bridges, construction sequencing and phasing schemes.
1999-2000	**Lindbergh Road, Barksdale Air Force Base, LA, 1999- 2000 (no project number):** Drafting for the demolition and reconstruction of 0.9 mile major arterial roadway, seven intersections and side streets. Project inclusive of pavement and geometric design, drainage design, utility re-design and relocation, and sidewalk design.

16. Staff Experience:

Firm employed by: AILLET, FENNER, JOLLY & MCCLELLAND, INC.					
Name	**EDIE LANGLEY**		Years of relevant experience with this employer	26.0	
Title	CADD Operator		Years of relevant experience with other employer(s)	10.0	
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			CADD Operator		

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).
11/20 to 8/21	**H.011446.5, Mound Rest Area Improvements, Route I-20 –** CADD design of new acceleration and deceleration ramps/drives into the rest area, new car and truck parking facilities, site grading and drainage systems with storm water management. The project also includes general site amenities such as pedestrian walkways and a courtyard.
2/19 to 9/19	**Virtual Weigh-in-Motion US Hwy 61, W. Feliciana Parish, LA, (H.012164-1)** CADD drafting for roadway plans for the placement of a Virtual Weigh-In-Motion (VWIM) station, south of Louisiana/Mississippi State Line. The plans included electrical and guardrail design for the site.
2/19 to 4/20	**I-10: Texas State Line-E. of Coone Gulley, WIM Toomey Weigh Station, I-10 –** CADD design for roadway plans, guardrail, regulatory and warning signs, traffic control for the weigh-in-motion location.
12/03 to 2/20	**SP #455-09-0001 and SP#455-09-0002 (H.003886 / H.003496 / H.003495 / H.011111/ H.011105) - I-49 North, I-220 to LA 1** – Drafting for drainage design, topographic and property surveys, right-of-way maps, coordination with sub-consultants and other engineering companies.
4/09 to 12/17	**SP #744-08-0005, North Bossier Shared Use Trail –** Drafting for design of jogging and bicycle trail at the Bossier North Park with ten foot multi-use trail. Trail will run parallel to Old Brownlee Road for ¾ mile and includes a bayou crossing.
2/01 to 9/07	**SP#044-01-0038, LA 3, Benton Road Overpass, Bossier City, LA -** Drafting for final construction plans and documents for a five lane urban realignment of LA 3 over the Kansas City Southern Railroad, including parcel calculations and right-of-way maps and construction phase services.
6/01 to 9/11	**Traffic Street Improvements and Underpass, Bossier City, LA (no project number) -** Drafting for final construction plans and documents for a five lane urban street widening and Kansas City Southern Railroad underpass, including parcel calculations and right-of-way maps.
2/00 to 11/08	**Arthur Ray Teague Extension, Bossier City, LA (no project number)**: Drafting for a five lane urban highway, including parcel calculations and right-of-way maps.
2/07 to 2/10	**Linton Road, Bossier Parish, LA (no project number)**: Drafting for the redesign and reconstruction of a deadly curve and the rehabilitation of the remainder of the road. AFJM corrected the curve to AASHTO and LADOTD standards to allow for a safe sight distance. AFJM also relocated an existing 8" waterline and developed Right-Of-Way maps.

12/08 to 4/15	**Palmetto Road, Bossier Parish, LA (no project number)**: Drafting for a Line and Grade Study to three lane of a narrow two lane road. Having completed the study AFJM developed Preliminary Plans and Final Plans to widen the road and an existing 2-lane bridge.

16. Staff Experience:

Firm employed by: AILLET, FENNER, JOLLY & MCCLELLAND, INC.					
Name	**GABRIEL WHITAKER**		Years of relevant experience with this employer	27.0	
Title	CADD Operator		Years of relevant experience with other employer(s)	5.0	
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			CADD Operator		

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).
1-21 to 4-21	**H.010000.5-2, US 171 Bridge Navigational Lighting, Lake Charles, LA –** Drafting services for the replacement of the US 171 bridge navigational lighting.
4-20 to 5/21	**Texas Street Bridge LED Lighting, Shreveport/Bossier City, LA (no project number) –** Drafting for the installation of new LED accent lighting on Texas Street Bridge.
8/13 **4/11 to 6/11**	**SP#4400001234, Retainer Contract for Electrical Services Statewide -** Drafting services for new and existing DOTD facilities. Including the design of building electrical power, lighting, emergency generator and other special systems as needed. **H.971895.1**, Section 42 – Central Repair Shop Renovations, East Baton Rouge Parish **H.971552.1**, East Baton Rouge Parish – HQ Renovation Truck Permits
12/02 to 10/05	**Traffic Street, Phase 2 - Roadway Lighting, Bossier City, LA (no project number) –** Drafting for a section of roadway lighting extending from the intersection with U.S. Highway 80. Project included lighting layout/design, power distribution and control. Project required coordination with traffic signal engineering. Utilized architectural poles and fixtures for coordination with area retail development.
12/02 to 10/05	**Traffic Street, Phase 3 - Roadway Lighting, Bossier City, LA (no project number) -** Drafting for the extension of Phase 2 lighting further along Traffic Street and underneath an existing railway overpass. Plans included with overall roadway design by AFJMc Transportation Group.
7/04	**Arthur Teague Parkway - Roadway Lighting, Bossier City, LA (no project number) -** Drafting for roadway lighting along the Phase I Extension north, approximately 1/4 mile. Utilized architectural poles and fixtures for coordination with existing and planned lighting along Traffic Street. Plans included with roadway design plan set by AFJMc Transportation group.
4/05 to 12/05	**SP# 044-01-0038, Benton Road, LA Highway 3 Overpass, Bossier City, LA -** Drafting for the installation of roadway lighting along the approaches and overpass at LA Highway 3 and Benton Road Spur. Plans coordinated with roadway and overpass design plans by AFJMc Transportation group. Plans included with overall project set and issued for bid as part of complete roadway project.

12/02 to 6/04	**SP# 427-01-01-0024, Louisiana Highway 3132, The Inner Loop Expressway - Roadway Lighting, Shreveport, LA -** Drafting for the installation of roadway lighting for an approximate 7-mile section of the highway. Project included lighting layout-design, power distribution and control. Teamed with DBE firm for COS Fair Share Program. Design complete and submitted to the City of Shreveport.
11/02 to 12/02	**General Motors Boulevard - Roadway Lighting, Shreveport, LA (no project number) –** Drafting for the installation of roadway lighting for an approximate 2-mile roadway. Project included lighting layout/design, power distribution and control, as well as preparation of the complete bid package.
3/07 to 8/08	**Louisiana Tech University Data Replication Center, Ruston, LA, (no project number) –** Drafting for the design of high level of security for a data replication center for all LA state agencies. This high level of security wing consisted of designing and coordinating with all city and state municipalities in providing normal and UPS electrical power, security clearances, access control systems, preaction fire system, CCTV, and HVAC systems.
11/98 to 5/01	**SP #604-01-0037, LaDOTD Office Building, Bossier City, LA -** Drafting for the engineering design of lighting, power, voice and data communications, fire alarm and access control systems for a new, two-story office building for the LaDOTD District 04 Headquarters.

16. Staff Experience:

Gresham Smith

Brennon Hughes, P.E.

Roadway Design Engineer

Years of experience with this firm/employer	4
Years of experience with other firm(s)/employer(s)	6.5

Degree(s) / Years / Specialization	Bachelor of Science / 2011 / Civil Engineering, Louisiana State University		
Active registration number / state / expiration date	P.E.0039985 / LA / 3/31/24		
Year registered	2015	**Discipline**	P.E./Civil
Contract role(s) / brief description of responsibilities	Roadway Design Engineer / Brennon will assist with the development of conceptual, preliminary and final design plans		

Experience dates (mm/yy–mm/yy)	**Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).**
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 involved safety and operations improvements for the intersection realignment, curb and gutter drainage design, sidewalks, truck islands and turnouts.
09/11 – 07/17	**LADOTD Roadway Group | *Project Engineer.*** Prior to joining Gresham Smith, Brennon served with the LADOTD Roadway Group as a designer and squad leader on various roadway projects including a new roundabout, overlay projects, and intersection improvements.
09/17 – 06/19	**LADOTD, SRTS/LRSP Task Order 7: McMillan Street at Blanchard Street Intersection Improvements Design, West Monroe, LA | *Lead Roadway Design Engineer.*** 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.
04/20 – Ongoing	**City of Central (LA), Hooper Road (LA 408) at Sullivan Road (LA 3034) Roundabout Design | *Lead Roadway/Roundabout Design Engineer*.** Gresham Smith is 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.
10/18 – Ongoing	**LADOTD, SRTS/LRSP Task Order 16: Tangipahoa Design, Tangipahoa Parish, LA | *Lead Roadway Design*.** Brennon was responsible for planning and coordinating staffing, scheduling, and budgeting for this project. He also led the design and the preparation of preliminary and final plans and cost estimates. Brennon led the plan-in-hand meeting with local officials for the preliminary design review and served as engineer-of-record for the design development. This project is currently under construction.
Certifications (See section 20)	• DOTD FHWA-NHI-380096V Modern Roundabouts: Intersections Designed for Safety • American Traffic Safety Services Association –Traffic Control Supervisor, LA State Specific

16. Staff Experience:
Gresham Smith

John Weres, P.E.
Lead Structures Engineer

Years of experience with this employer	5
Years of experience with other employer(s)	37

Degree(s) / Years / Specialization	Bachelor of Science / 1980 / Civil Engineering, University of Pittsburgh		
Active registration number / state / expiration date	PE.0036429 / LA / Exp. 9/30/2023		
Year registered	2011 (LA) 1985 (PA)	**Discipline**	P.E./Civil
Contract role(s) / brief description of responsibilities	Lead Structures Engineer / John will lead the structures design and inspection teams.		

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).**
06/19 – 03/20	**LADOTD, Complex Bridge Inspections, Statewide, LA | *Project Manager*. 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.
04/20 – 09/20	**LADOTD, Complex Bridge Inspections, Statewide, LA | Task Order 2 - Emergency Bridge Repairs, US 71 in Downtown Shreveport, LA | *Project Manager*.** In April 2020, a train derailment damaged Bent 3 of the Spring Street Bridge forcing the roadway closure. Gresham Smith was selected to design 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. John served as the design coordinator and facilitated the repairs.
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.
07/13 – 12/17	**TDOT, Underwater Bridge Inspection Program, TN | *Lead Inspector*.** John served as technical lead for the underwater inspection of 57 structures throughout the state of Tennessee. John oversaw the field inspection and diving services and prepared the reports for each structure in accordance with NHI guidelines and requirements.
11/17 – 09/21	**MDOT, MS-178 Benton County Bridges, Benton County, MS | *Lead Structure Engineer*.** John served as the Lead Design Engineer for the final design of a 2-cell box culvert and two prestressed concrete girder structures in northern Mississippi. These water crossings improved the hydraulic conditions at the sites and incorporated low-maintenance details such as jointless bridges.

09/16 – 03/17 With another firm	**Complex Bridge Inspections, Various Locations, MS | *Team Leader.*** Prior to joining Gresham Smith, John served as Bridge Inspection Team Leader and Deputy PM for the in-depth inspections of the US 84 Dual Bridges over Mississippi River, steel cantilever truss structures in Natchez MS. A second major bridge inspection for MDOT included the I-110 Biloxi Bay Bridge, including the bascule movable span. Inspection access included UBI, telescoping manlift and boat mounted manlift.
07/20 – Ongoing	**LADOTD, Complex Bridge Inspections, Statewide, LA | *Project Manager*. 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, Gresham Smith was able to complete the inspection of Bridge 006306, Bayside Bridge in Jeanerette, a steel swing bridge – within the original budget for the initial three bridges.
06/14 – 03/17 With another firm	**LADOTD, Complex Bridge Inspections, Statewide, LA | *Deputy Project Manager/Project Manager*.** Retainer project for various bridge inspections of major river crossings. Completed hands-on inspection of fracture critical elements on several structures including the Louisa Bascule Bridge in St. Mary's Parish. John served on the field inspection teams for the I-20 Mississippi River Bridge in Vicksburg and the LA 47 Bridge over the Mississippi River Gulf Outlet.
04/15 – 03/17 With another firm	**LADOTD, I-49 Lafayette Connector, Lafayette, LA | *Deputy Lead Structural Design Engineer*.** Served as Deputy Lead Structural Design Engineer for the concept design for a 4-mile long elevated structure through an urban area. Structure concepts included post-tensioned concrete U-girders, span-by-span segmental boxes, and steel trapezoidal boxes. John coordinated the efforts of the individual design teams for each structure type and served as the public coordination lead for the structures as part of an overall community involvement plan on developing the proposed structure type for this $800M project.
1985 – 1990 With the City	**City of Pittsburgh, Bridge Department, Pittsburgh, PA | *Project Engineer*.** John managed the structures program for the City of Pittsburgh, including database management, bridge inspection (NBIS), consultant procurement, design reviews and construction management. He was responsible for the design of various retaining walls, pole foundations, and miscellaneous structures. Bridge inspection duties included free climbing of several trusses and arches, operating a bridge snooper, and coordinating with rigging firms. Inspection reports were prepared and reviewed; and coordinated with the state DOT as part of the statewide inspection program.
Certifications (See section 20)	• American Traffic Safety Services Association –Traffic Control Supervisor, LA State • Specific NHI 130055 Bridge Inspection Team Leader and NHI 130078 Fracture Critical Steel Inspection • FAA Part 107 USAS (Drone) Pilot.
Career	John's 40+-year career includes diverse structure related activities including inspection, alternatives analysis, final design and construction management and program management. John served as Team Leader on several LA DOTD complex bridge inspections prior to joining Gresham Smith, and as Project Manager for underwater bridge inspections for TDOT.

*Icon represents key project highlighted in Section 17.

16. Staff Experience:
Gresham Smith

Courtney Rome, P.E.
Structures Engineer

Years of experience with this employer	4
Years of experience with other employer(s)	7

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. 9/30/23		
Year registered	2019 (LA)	**Discipline**	P.E./Civil
Contract role(s) / brief description of responsibilities	Structures Engineer / Courtney will perform structure inspections and design plan development.		

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).**
06/19 – Ongoing	**LADOTD, Complex Bridge Inspections, Statewide, LA | *Engineer.*** As an NHI Certified Bridge Inspector, Courtney is performing bridge inspections for various complex bridge structures throughout Louisiana, including steel trusses, concrete structures and moveable bridges. For Task Order 3 and 4 projects, Courtney is assuming a leadership role in the development of the reports and element level evaluations.
11/17 – Ongoing	**MDOT, SR 178 Benton County Bridge Replacements, MS | *Engineer.*** Gresham Smith is providing final design (Phase B) services for the replacement of two water crossings on parallel alignment. Both bridges include utilization of prestressed Florida I-Beams (FIB) to maximize span lengths while minimizing structure depths. Courtney performed the deck design and beam design services for a one-span (135-foot) and three-span (80- x 100- x 80-foot) structure and also completed the design of pipe piles for the pier bents.
06/17 – 07/18	**Tennessee DOT, Underwater Bridge Inspection Program, TN | *Report QC.*** Courtney provided quality assurance reviews of the reports for the underwater inspection of 57 structures throughout the state of Tennessee.
04/20 – 08/20	**LADOTD, Task Order 2, US 71 Spring Street Emergency Repairs, Shreveport, LA | *Design Engineer.*** Following the train derailment that damaged the steel bent for the US 71 Spring Street Bridge, Gresham Smith was selected to evaluate the structure and design the emergency repairs. Courtney led the substructure design elements including the temporary shoring to support the railroad loads and for the crash wall and helical piles.
07/18 – Ongoing	**MDOT, MS-149 Simpson County Bridges, Simpson County, MS | *Bridge Engineer.*** Courtney performed final design calculations including Leap Bridge Design for FIB girders for multiple span designs for two of the four bridges. Courtney prepared the bridge plan sheets for two structures including all deck, beams, and foundations. Courtney led Gresham Smith's development of design and details for MDOT's first use of partial depth concrete deck panels, to accelerate construction and improve construction safety.

Certifications (See section 20)	• NHI 130055 – Bridge Inspection Team Leader and NHI 130078 Fracture Critical Insp. Techniques • SPRAT Level 1 Rope Access Technician.

16. Staff Experience:
Gresham Smith

Richard Savoie, P.E.
Roadway Design Engineer

Years of experience with this firm/employer	3.5
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 / 9/30/22		
Year registered	1983 (LA)	**Discipline**	P.E./Civil
Contract role(s) / brief description of responsibilities	Roadway Design Engineer. Richard will support the development of conceptual, preliminary and final design plans.		

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 was responsible for Quality Control on the final design process.
09/18 – 12/19	**LADOTD, SRTS/LRSP Task Order 14: Farmerville Design, Union Parish, Farmerville, LA | *Senior Engineer.*** Richard provided quality control review for the Final Plan submission for this Safe Routes to Public Places Project. The review was to ensure that the plans were developed in accordance with standard LADOTD policy and procedure. Plans included installation of sidewalks along various local roadways, driveway adjustments to ensure ADA compliance and utility relocation avoidance.
04/20 – Ongoing	**City of Central (LA), Hooper Road (LA 408) at Sullivan Road (LA 3034) Roundabout Design | *Senior Engineer.*** Gresham Smith is 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 is responsible for overall Quality Control on the project. He is mentoring the engineering staff on the field evaluation requirements, reviewing all potential improvements, and will perform QC reviews on the preliminary and final design plan submissions.
02/90 – 03/14	**LADOTD, Project and Program Delivery | *Project Manager*.** Richard was the Project Manager 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.

Career	Richard's 40+-year career includes 34 years with LADOTD in increasing roles culminating as the LADOTD Chief Engineer. As Chief Engineer, Richard was responsible for establishing engineering directives and standards, policies, budgets, expenditures, programs and procedures that guided project and program delivery, construction, and preservation of all transportation-related projects and systems.

16. Staff Experience:
Gresham Smith

Herbert "Bert" Moore, II, P.E., PLS, PTOE
Senior Traffic Engineer

Years of experience with this firm/employer	7
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. 9/30/22 | PTOE 2728 / Exp. 9/30/24 | PLS 5043 / LA / Exp. 9/30/22		
Year registered	2004(PE); 2009(PTOE); 2010(PLS)	**Discipline**	P.E./Civil, PLS, PTOE
Contract role(s) / brief description of responsibilities	Senior Traffic Engineer / Bert will support the traffic, design, and analysis / engineering 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	Through his consulting career and while at LADOTD, Bert led a number of Stage 0 studies and Road Safety Assessments. While the District Traffic Operations Engineer of District 61, Bert completed these tasks initiated by request from internally, the public or an elected official. Some of these Stage 0 studies include LA 75 Roundabouts in Plaquemine, LA, Access Management Improvements at LA 42 at US 61, Improvements to LA 427 (Acadian), and TSM Turn Lane Installation on LA 30 at LA 74. RSA that were performed included Stringer Bridge Road, LA 431 at Valentine Road, LA 427 (Acadian) From I-10 to LA 73 (Government), and I-210 at LA 1138 (Nelson Road).
6/19 – Ongoing	**LADOTD, Complex Bridge Inspections, Task Orders 1, 3, and 4, Statewide LA | *Project Executive***. Bert serves as the Project Executive responsible for ensuring that all aspects of the work are performed in accordance with contract requirements. Bert also serves as the lead Traffic Engineer responsible for development of the traffic control plans and coordination with DOTD District Traffic Engineers.
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.

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 Rubbelization 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.
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.
11/08 – 11/14	**LADOTD, Baton Rouge, LA | *District Traffic Operations Engineer*.** While at LADOTD Bert and his staff developed many projects to improve the safety and reduce conflict points on the highway system. Some of these projects were initiated by request from internally, the public or an elected official, as result of an RSA, or from the review of crashes or the abnormal crash list by Bert and his staff. These projects were implemented with a number of different funding sources such as Access Management, TSM, and funds from the safety section. Bert and his staff were responsible for writing the stage zero forms to implement these projects. Some of these stage zeros include LA 75 Roundabouts in Plaquemine, LA, Access Management Improvements at LA 42 at US 61, RSA improvements to LA 427 (Acadian), and TSM Turn Lane Installation on LA 30 at LA 74.
 04/20 – 09/20	**LADOTD, Complex Bridge Inspections, Statewide, LA | Task Order 2 - Emergency Bridge Repairs, US 71 in Downtown Shreveport, LA | *Project Executive*.** In April 2020, a train derailment damaged Bent 3 of the Spring Street Bridge forcing the roadway closure. Gresham Smith was selected to design 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 served as Project Executive (Principal) and assisted with DOTD coordination.
11/08 – 11/14	**LADOTD, Baton Rouge, LA | *District Traffic Operations Engineer*.** While at LADOTD, Bert was responsible for reviewing, approving and developing temporary traffic control plans for all construction and maintenance work on the state highway system, which included the yearly inspections of all the on system bridges each year by district forces and consultants. These bridges included all of the I-10 bridges through the Baton Rouge region and over the Mississippi River. Bert was also responsible for Transportation Management Plans (TMPs) required for construction projects on these bridges.
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

Rebecca Murray, P.E., PTOE, RSP1
Traffic Engineer

Years of experience with this employer	7
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. 3/31/24 | PTOE 4861 / Exp. 3/26/23 | RSP1 611 / Exp. 4/5/24		
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 support the development of traffic control plans and other traffic related 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).**
6/19 – Ongoing	**LADOTD, Complex Bridge Inspections, Task Orders 1, 3, and 4, Statewide LA | *Engineer*.** Rebecca serves as the engineer assisting with the development of traffic control plans for bridge inspection in accordance with the LADOTD TTC plans. Rebecca also assists with the coordination with DOTD District Traffic Operations Engineers.
04/18 – 04/19	**LADOTD, I-10 Transportation Management Plan (TMP) West of 108 to I-210 Interchange, H.009620.5, Calcasieu Parish, LA | *Pre-Professional.*** LADOTD developed design plans for the Rubblization and Overlay of I-10 from just west of the LA 108 interchange to the I-210 interchange. This project includes a full closure on I-10 diverting traffic to the ramps. This diversion required 2 cloverleaf ramps to be closed and temporary traffic signals to be installed at the ramps. Rebecca assisted with the traffic and crash analysis, and the development of the TMP documentation for this project and revision of the TMP that was performed for the I-210 redecking project as well as the traffic signal design plans.
10/17 – 04/18	**LADOTD, I-10 at US 90 Lockmoor Bridge Transportation Management Plan (TMP), H.013076.5-1, Lake Charles, LA | *Pre-Professional.*** LADOTD oversaw the design of planned bridge maintenance of the US 90 bridge that operates as an on ramp to I-10 Eastbound. This bridge crosses over mainline I-10 for both the Eastbound and Westbound directions as well as the Westbound Off Ramp and Eastbound On Ramp to/from PPG drive. We were selected to develop the TMP to identify the challenges and strategies to address these challenges in order to minimize the traffic delays associated with the lane closures, demand volumes and incidents within the construction limits. Rebecca assisted with the traffic and crash analysis and the TMP documentation.
07/18 – Ongoing	**LADOTD, LA 37: Sullivan Road to Liberty Road Stage 0 Feasibility Study, Baton Rouge, LA | *Engineer.*** Collected and reviewed over 580 crash reports over a span of three years from the state highway crash database and collected ADT data on 21 segments of LA 37 and intersecting streets, peak hour turning movement counts at 12 significant intersections and 15-minute counts along 38 driveways

	and insignificant side streets. The reports were reviewed and evaluated using the safety triage safety tool box. Traffic analysis will be performed using HCS and Synchro and other software tools as needed. We reviewed historic traffic volume counts and TransCAD models and performed count analyses to develop regional growth rates for the study area. Rebecca assisted with review of the count data, development of growth rates, crash data analysis and traffic analysis.
Certifications (See section 20)	• Traffic Engineering Analysis Process & Report – Modules 1, 2 and 3 • American Traffic Safety Services Association – Traffic Control Technician, LA State Specific; Certified Flagger; Traffic Control Supervisor, LA State Specific

16. Staff Experience:
Gresham Smith

Christina Florez, P.E.
Senior ITS Engineer

Years of experience with this employer	5
Years of experience with other employer(s)	15

Degree(s) / Years / Specialization	Bachelor of Science / 2001 / Electrical Engineering, Florida International University		
Active registration number / state / expiration date	PE.0038799 / LA / Exp. 9/30/22 | PE 65603 / FL / Exp. 2/28/23		
Year registered	2014 (LA), 2007 (FL)	**Discipline**	P.E./Electrical and Computer
Contract role(s) / brief description of responsibilities	Senior ITS Engineer / Christina will support the Con Ops Workshop, Electrical and Communications design efforts.		

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	Christina has been a senior project manager/electrical engineer on complex ITS projects over the past 19 years. Her experience includes: ITS engineer of record on design-bid-build and design-build projects for multiple DOT clients, integrated corridor management (ICM) planning studies, ITS design and construction support, field inspection and testing, variable-speed-limit (VSL) system design, transportation systems management and operations, systems engineering analyses, incident management system (IMS), and reversible-lane plan development. Her ITS design projects included CCTV, DMS, radar detection, active traffic management, travel time systems, express lanes, communications, and electrical subsystems.
9/16 – 9/17	**LADOTD, ITS Design, Integration and System Verification Services, WO#3: ATMS.Now Design and Integration, Statewide, LA | *Senior ITS Engineer.*** Seeking to replace the existing obsolete system with a more unified traffic control system, the LADOTD upgraded to Trafficware's ATMS.Now, a central management system that unified the traffic signal systems statewide and allowed more effective and efficient monitoring and control. Christina's responsibilities included ITS technical support, training oversight and document review.
9/16 – 05/18	**LADOTD, ITS Design & Implementation WO#4: I-10 Twin Span ITS-Orleans & St. Tammany Parishes, Statewide, LA | *Project Manager.*** Gresham Smith developed design plans along with specifications and cost estimates for the eight-mile Twin Span ITS Project. Christina's responsibilities included project management and post-design ITS technical support.
12/18 – Ongoing	**LADOTD, LCG Adaptive Traffic Signal Design and Implementation, Lafayette Parish, LA | *Project Manager.*** Christina is responsible for project management, ITS technical support for design plans and integration and QA/QC.
7/17 – Ongoing	**FDOT D6, SR 826/Palmetto Expressway from E of NW 57th Ave to E of NW 42nd Ave, Miami, FL | *Project Manager / ITS Engineer of Record.*** The design includes CCTV cameras, DMS, arterial DMS, radar detection, and ramp signaling, lightning protection, fiber optic communications network and power distribution system with stand-by generators. Christina is responsible for

	project management, ITS design, segment coordination, discipline coordination, and QA/QC.
2/17 – 10/17	**LADOTD, ITS Design & Implementation WO#7: Signal Communications Upgrade Phase 1 – Systems Engineering Assessment (SEA), Various Locations, LA | *Project Manager.*** The project consists of modifications and upgrades of the existing infrastructure to provide connectivity to various signals. Christina was responsible for project management, ITS technical support, document development, including Concept of Operations and review, ITS regional architecture review and QA/QC.
11/16 – 1/19	**LADOTD, ITS Design and Implementation, WO#6: Fiber Optic Mapping and Management, Tangipahoa, St. Tammany, St. John and Orleans Parishes, LA | *Project Manager.*** Gresham Smith conducted a pilot project for the LADOTD which included developing preliminary policies for the ITS Field Asset Management System (FAMS). Christina's responsibilities included project management, ITS technical support and document review.
9/16 – 7/18	**LADOTD, ITS Design and Implementation, WO#5: I-12 Ramp Meter Upgrades, East Baton Rouge and Livingston Parishes, LA | *Project Manager.*** Gresham Smith was tasked with analyzing the existing Ramp Meter System along I-12 to determine upgrade needs. Christina's responsibilities included project management, ITS technical support and document review.
5/17 – 8/17	**LADOTD, ITS Design and Implementation, WO#8: Emergency Vehicle Preemption (EVP) Devices SEA, East Baton Rouge Parish, LA | *Project Manager.*** Gresham Smith developed the Systems Engineering Assessment for the project. Christina was responsible for project management, ITS technical support, document development, including Concept of Operations and review, ITS regional architecture review and QA/QC.
8/15 – 7/19	**FDOT D6, ITS Miscellaneous Services, Miami, FL | *Project Manager.*** As FDOT's representative, Christina was responsible for coordination and management of all engineering services on multiple task work orders to support FDOT's ITS program, including providing ITS reviews for the SR 826/I-75 Express Lanes, I-75 Segment AB Express Lanes, and I-75 Systems Integrator projects; updating server room as-builts; and providing support for contract negotiations on various projects, including the Okeechobee Road and Palmetto Express design projects.
6/17 – 3/18	**LADOTD, ITS Design and Implementation, WO#9: ITS Strategic Business Plan Update, Statewide, LA | *Project Manager.*** Gresham Smith was tasked with updating the ITS Strategic Business Plan which included conducting visioning meeting, documenting existing conditions, performing benefit-cost analysis of the program, providing implementation strategies and recommending priorities. Christina was responsible for project management, document development, including benefit/cost analysis and deployment plan, and QA/QC.
9/09 – 9/16	**FDOT D6, Section 5 - SR 826 and SR 836 Interchange Reconstruction Design-Build, Miami, FL | *Project Manager, ITS Engineer of Record.*** The design-build project includes the design, installation and upgrade of ITS components and subsystems, including fiber-optic and wireless communications, 30 CCTV cameras, 41 microwave detectors, six freeway DMSs and 18 arterial DMSs along both SR 826 and SR 836 and two separate power distribution systems. Christina was responsible for systems engineering management documentation, development of the ITS master plan, project design, development of test plans, report preparation and post-design services.
7/18 – 1/19	**NORPC, Train Detection System (TDS) Pilot, Metairie, LA | *Project Manager*.** Gresham Smith was tasked with developing a proof of concept, a concept of operations, and testing the proof of concept for a train detection system. Christina was responsible for project management, project documentation and QA/QC.

16. Staff Experience:

Gresham Smith

Denny J. Silvio, CPM
Weigh Station Specialist

Years of experience with this firm/employer	5
Years of experience with other firm(s)/employer(s)	37

Degree(s) / Years / Specialization	64.5 hours / Civil Engineering, Louisiana State University Certified Public Manager (CPM) / 1996 / Division of Administration, LSU		
Active registration number / state / expiration date	N/A		
Year registered	N/A	**Discipline**	N/A
Contract role(s) / brief description of responsibilities		Weigh Station Specialist / Denny will assist with the existing conditions evaluations and support the efforts with stakeholder outreach and the preliminary design	

Experience dates (mm/yy–mm/yy)	**Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).**
Career	Throughout his career, Denny has worked diligently to improve leadership, processes and functionality of organizations of which he has been a part. He has extensive experience in truck size and weight regulatory activities and enforcement and has led many special projects associated with weigh station infrastructure, systems and networks. He has been involved in a variety of organizations that promoted positive interaction and cooperation between government and trucking industry representatives.
2001-2008	**LADOTD, Weights and Standards Administrator.** The Weight Enforcement Section, numbering up to 80 uniformed officers, plus office support staff, operated 20 weigh stations statewide and helped ensure compliance with size, weight, and credential-related statutes and regulations. Denny initiated and guided the development and deployment of an electronic program for issuing, processing and tracking violation tickets. He managed a multi-year, multi-million dollar weigh station upgrade program that resulted in a complete renovation of weigh station facilities throughout the state and major automation enhancements, including mainline Weigh-in-Motion systems. He functioned as PM for Louisiana's multi-agency Commercial Vehicle Information Systems and Networks (CVISN) Program.
1997-2001	**LADOTD, Truck Permits Manager.** Executed the issuance of 28 different types of permits for oversize and overweight permits and generated in excess of 12 million dollars annually. Reported directly to the Weights and Standards Administrator and coordinated regularly with weight enforcement (weigh station) representatives to ensure maximum compliance with truck size and weight laws and regulations. Communicate extensively with trucking industry and government officials regarding permit matters.
2017-Ongoing	**LSU Center for Analytics and Research in Transportation Safety ("CARTS").** Denny is a highway safety consultant doing analysis and reporting of fatal crash data for Louisiana. He works closely with the LADOTD Highway Safety Section to ensure timely and accurate data reporting to the US DOT.
2008-2017	**LADOTD, Quality and Continuous Improvement Facilitator and Director.** Responsibilities included facilitating process improvement teams, managing special projects, functioning as Commercial Vehicle Information Systems and Networks ("CVISN")

	Program Manager for Louisiana, and serving on the Executive Committee of the American Association of State Highway Officials (AASHTO) Subcommittee on Highway Transport. Successfully guided the project that resulted in Louisiana securing its maximum allotment of (CVISN) funding ($3.5M). Planned and executed major survey of Louisiana's trucking industry. Testified as subject matter expert before U.S. Congressional subcommittee regarding to truck size and weight issues.
Certifications	• Certified Public Manager • Certificate of Supervisory Techniques • Competent Communicator (Toastmasters International)

16. Staff Experience:
Gresham Smith

Douglas Smith, P.E.
ITS Engineer

Years of experience with this employer	5
Years of experience with other employer(s)	15

Degree(s) / Years / Specialization	Bachelor of Science / 2000 / Industrial Engineering, Louisiana State University		
Active registration number / state / expiration date	PE.0043689 / LA / 3/31/2024		
Year registered	2019 (LA)	**Discipline**	P.E./Electrical
Contract role(s) / brief description of responsibilities		ITS Engineer / Doug will support the Electrical and Communications design efforts.	

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	Doug is a Professional Electrical Engineer in Louisiana. He brings 20 years of multidiscipline design experience with an electronics design focus. He has managed the design and deployment of research projects at Louisiana State University consisting of complex sensor arrays and custom data acquisition systems. He also designed, constructed, and maintained electronic equipment used in teaching, research activities, and consumer electronics. Doug's diverse background in electrical design, communications and programming enhances the team with hands-on practical knowledge which is applied to all design and construction tasks.
5/17 – 5/18	**LADOTD, ITS Design & Implementation WO#4: I-10 Twin Span ITS, Orleans & St. Tammany Parishes, Statewide, LA	*Pre-Professional.*** Gresham Smith developed design plans along with specifications and cost estimates for the eight-mile Twin Span ITS Project. Doug performed field investigations and provided NEC technical support in addressing Request for Information from the construction contractor.
2/18 – Ongoing	**LADOTD, ITS CEI Retainer, Signal Communications Upgrade Phase 1, CEI, Various, LA	*Assistant Project Engineer.*** Doug is responsible for assisting in construction contract administration, field investigations, and construction inspection.
1/19 – Ongoing	**LADOTD, ITS CEI Retainer, Lake Charles Phase 3 ITS, CEI, Lake Charles, LA	*Project Engineer.*** Doug is responsible for construction contract administration, field investigations, and construction inspection.
12/18 – Ongoing	**LADOTD, LCG Adaptive Traffic Signal Design and Implementation, Lafayette Parish, LA	*ITS Engineer.*** Doug provided technical support for design plans and assisted in the field review and assisted in the field verification of the traffic signal inventory (TSI) of LCG's systems. Doug will be an integral part of the integration support once construction starts.
4/19 – 5/20	**LADOTD, ITS CE&I IDIQ, Task Order #2: Fiber Optic Mapping & Management, Ascension, East Baton Rouge, West Baton Rouge, Livingston and Terrebonne Parishes, LA	*ITS Engineer.*** Gresham Smith was tasked with expanding the Fiber Optic Mapping & Management system to various parishes. Doug was responsible for data processing, developing procedures and templates, coordinating workload, coordinating data collection and drafting an evaluation report.

1/17 – 1/19	**LADOTD, ITS Design & Implementation WO#6: Fiber Optic Mapping & Management, Statewide, LA	*Pre-Professional.*** The project consisted of implementing the mapping of ITS field devices, fiber networks, and inventory and maintenance records. Doug was responsible for data processing, developing procedures and templates, coordinating workload and drafting an evaluation report.
12/17 – 6/18	**LADOTD, ITS Design & Implementation WO#5: I-12 Ramp Meter Upgrades, East Baton Rouge and Livingston Parishes, LA	*Pre-Professional.*** Gresham Smith was tasked with performing a feasibility assessment on the existing ramp meters along I-12. The assessment included reviewing the existing system components, determining status of functionality, performing best practices research, and developing recommendations and typical layouts. Doug analyzed data from vehicle detection devices and drafted a technology evaluation report.
2/17 – 10/17	**LADOTD, ITS Design & Implementation WO#7: Signal Communications Upgrade Phase 1 – SEA, Various Locations, LA	*Pre-Professional.*** Gresham Smith developed the Systems Engineering Analysis (SEA) for the Signal Communications Upgrade project. The project included defining the high level requirements, developing the concept of operations, laying out operational strategies, determining the length of the expansion, how many signals to be connected, any additional hardware or software requirements, and how it may be implemented and used by partner agencies. The project included 38 signals along 9 corridors. Doug was responsible for field investigations, ITS architecture and cost estimates.
5/17 – 8/17	**LADOTD, ITS Design & Implementation WO#8: Emergency Vehicle Preemption (EVP) Devices SEA, East Baton Rouge Parish, LA	*Pre-Professional.*** The City of Baton Rouge incorporated the upgrade of their existing Emergency Vehicle Preemption (EVP) system within an existing safety project. The existing EVP system was outdated, utilized line of sight equipment and not installed on all intersections within the city's jurisdiction. Gresham Smith was selected to develop a SEA to upgrade EVP equipment throughout the parish. Doug was responsible for developing the concept of operations, ITS architecture, and cost estimates**.**
2/20 – Ongoing	**KYTC, I-Move Design-Build, Jefferson and Oldham Counties, KY	*ITS Engineer.*** The project includes the ITS design for CCTV cameras and Dynamic Message Signs (DMS) along I-265, I-71 and I-64 in Jefferson and Oldham Counties. Doug is responsible for the ITS design, including device placement, wireless communications, and power design.
3/18 – Ongoing	**FDOT D6, SR 826/Palmetto Expressway from E of NW 57th Ave to E of NW 42nd Ave, Miami, FL	*ITS Engineer.*** The design includes CCTV cameras, DMS, arterial DMS, Microwave Vehicle Detector Sensors (MVDS), ramp signaling, lightning protection, fiber optic communications network and power distribution system with stand-by generators. Doug is assisting with the ITS device placement and the design of fiber optic communications, device power, and backup generators.
2/18 – Ongoing	**TDOT, ITS Design Support Services WO#8: Cumberland Plateau I-40 ITS Expansion, Cookeville, TN	*ITS Engineer.*** Gresham Smith is developing ITS design plans, including fiber optic communications, radar detectors, DMS, CCTV, and DSRC radios. Doug is responsible for the power distribution design, assisting in developing standard details, reviewing communications network design and assisting in preliminary construction cost estimates.
4/20 – 4/20	**Gwinnett County, Lanier Filter Plant Fiber Optic Network Upgrades, Gwinnett County, GA	*ITS Engineer.*** Gresham Smith was selected to design the fiber optic network for the Lanier Filter Plant. Doug was responsible for developing the independent engineer's cost estimate for the installation of the fiber optic network.
7/18 – 1/19	**NORPC, Train Detection System (TDS) Pilot, New Orleans, LA	*Pre-Professional*.** Gresham Smith was tasked with developing a proof of concept, a concept of operations, and testing the proof of concept for a train detection system.

16. Staff Experience:

Firm employed by: SJB GROUP, LLC				
Name	**WILFRED BARRY, PE, PLS**		Years of relevant experience with this employer	45
Title	Secretary		Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization			Bachelor of Science/ 1974 / Civil Engineering, Louisiana State University	
Active registration number / state / expiration date			4612 / Louisiana / 03.31.2024	
Year registered	1989	Discipline	Land Surveyor	
Active registration number / state / expiration date			17452 / Louisiana / 03.31.2024	
Year registered	1978	Discipline	Civil Engineer	
Contract role(s) / brief description of responsibilities			Principal-in-Charge to provide oversight and quality assurance/control	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
Principal-in-Charge to provide oversight and quality assurance/control	
10/12 – 07/13	**Turning Lanes and Medians; LA DOTD Project No. H.009956.5** - A topographic survey was done in Ascension Parish along LA 44, between US 61 and LA 42. The survey consisted of surveying five intersections and three bridges along LA 44. Quality Level C SUE survey was done at LA 44 turn lane at LA 621 as part of the survey on this project. Principal-in-Charge.
09/13 – 09/14	**LA 308 Curve Realign and Shoulders; LA DOTD Project No. H.010443** - A topographic survey and Quality Level C SUE were done in Assumption Parish along LA Hwy 308 in preparation for a Curve Re-Alignment and Shoulder improvements. Principal-in-Charge.
09/13 – 07/14	**Hooper Road Widening; LA DOTD Project No. H.009300** - A topographic survey provided by SJB in preparation for widening Hooper Rd. (LA 408) in East Baton Rouge Parish from Sullivan Road (LA 3034) to Greenwell Springs Road (LA 37) for a distance of about 2.95 miles. Principal-in-Charge.
04/15 – 04/16	**US 90 Captain Cade to Ambassador Caffery Frontage Road; LA DOTD Project No. H.011298.5** - A topographic survey was done alongside a proposed route along the East and West side of US 90. This survey was located in Lafayette, St. Martin, and Iberia Parishes between Youngsville and Broussard, LA. Principal-in-Charge.
10/18 – 04/19	**I-10 Paris Road – Lake Pontchartrain; LA DOTD Project No. H.012591** - Mr. Barry served as the principal-in-charge for the I-10 Paris Rd. – Lake Pontchartrain project. This project included a topographic survey, LiDAR scanning, and SUE. Principal-in-Charge.
04/20 – 06/20	**US 90: Pearl River Bridges (HBI); LA DOTD Project No. H.000284.5** - Mr. Barry served as the Principal-in-Charge for the LA DOTD Pearl River Bridges project. A topographic survey and mobile LiDAR scanning was done along US 90 and west of Pearl River in St. Tammany Parish. The project began 3,000 feet west of the intersection between US 90 and US 190. The total distance of the survey once complete was 4,000 miles.

03/21 – Present	**MovEBR Nicholson Segment 2; City Parish Project No. 20-CP-HC-0032** - Served as the principal-in-charge for the topographic survey, scanning, property and right-of-way survey, and subsurface utility engineering that was performed for the MovEBR project on Nicholson Rd. in East Baton Rouge Parish, LA.
04/21 – 07/21	**Hooper Road Widening (LA 3034 – LA 37); LA DOTD Project No. H.009300.5** - Principal-in-Charge for the topographic survey and subsurface utility engineering project for a one mile stretch of LA Hwy 408 in East Baton Rouge Parish, LA. The topographic survey was an update to a survey done previously by SJB and included locating and verifying all changes to the one mile site since the previous survey was completed in 2014. An updated drainage map was also completed for this project.

16. Staff Experience:

Firm employed by: SJB GROUP, LLC				
Name	**PATRICK STAIANO, PLS**		Years of relevant experience with this employer	1
Title	Survey Department Manager		Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization			Bachelor of Science / 2008 / Construction Management, Louisiana State University	
Active registration number / state / expiration date			5130 / Louisiana / 09.30.2023	
Year registered	2015	Discipline	Land Surveyor	
Contract role(s) / brief description of responsibilities			Survey Department Manager and Project Manager	

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).
Mr. Staiano serves as SJB Group's Survey Department Manager for the Louisiana Office. He has over 10 years of experience in the survey profession and has 6 years of experience as a licensed surveyor. Mr. Staiano holds a survey license in the states of Louisiana, Mississippi, and Texas. His work experience includes topographic surveys, boundary surveys, right-of-way surveys, mineral unitization surveys, and oil and gas pipeline and facility surveys.	
12/10 – 03/16	Survey Technician/LSI/PLS on numerous topographic surveys for oil and gas infrastructure projects in South Louisiana. Mr. Staiano managed projects, prepared work plans for survey crews, reviewed and processed survey data, and drafted topographic maps and plats for clients. These projects included topographic surveys for well sites, access roads, and pipeline rights-of-way. Clients included Chevron Pipeline, Texas Petroleum Investment Company, BOPCO, and Apache.
03/16 – 06/16	**LA 59: Curve Realign and Tunnel at Trace; LA DOTD Project No. H.010184** - Mr. Staiano served as a project manager for this project. He prepared title take-offs, reviewed title abstracts, fieldwork with the survey crew to locate property corners, prepared property surveys, prepared right-of-way maps, and prepared the submittals.
09/16 – 10/16	**LA 59: Roundabout at Sharp Road; LA DOTD Project No. H.011075** - Mr. Staiano served as a project manager for this project. He reviewed title abstracts, prepared right-of-way maps, and prepared submittals.
01/17 – 01/18	**Drain Bridge Near Stoney Point; LADOTD Project No. H.008449** - As Project Manager, Mr. Staiano prepared title take-offs, reviewed title abstracts, fieldwork with the survey crew to locate property corners, prepared property surveys, prepared right-of-way maps, and prepared submittals.
01/18 – 02/18	**LA 1026: Roundabout at Buddy Ellis; LADOTD Project No. H.011824** - Mr. Staiano served as a project manager for the Buddy Ellis Roundabout project in Livingston Parish. He prepared title take-offs, reviewed title abstracts, prepared property surveys, prepared right-of-way maps, and prepared the submittals.
03/18 – 03/21	Mr. Staiano worked as a project surveyor on numerous electric and pipeline right-of-way and topographic survey projects in West Texas. He managed projects, prepared work plans for crews, made site visits to review potential corridors, reviewed survey data, and reviewed and certified topographic and right-of-way plats. Clients included Targa Resources, Apache, and DCP Midstream.
08/20 – Present	**Rural Bridge Replacement Initiative; LA DOTD Contract No. 4400017597** - SJB Group performed topographic surveys, right-of-way mapping, and road design of the proposed 33 bridge replacements for LA DOTD Districts 03, 07, 61,

	and 62 as a sub-consultant to Burk-Kleinpeter, Inc. within their contract with the Louisiana Department of Transportation and Development. Mr. Staiano has worked as survey project manager on these projects since joining SJB Group.
03/21 – Present	**MoveBR – Jefferson Highway at Bluebonnet Intersection Improvement; City-Parish No. 20-CP-HC-0046** - SJB Group is performing a topographic survey, property survey, SUE, and Right-of-Way maps of the Jefferson Hwy and Bluebonnet intersection. Mr. Staiano is the surveyor on record.
03/21 – Present	**MoveBR Nicholson Segment 2; City Project No. 20-CP-HC-0032** - Mr. Staiano serves as the survey department manager for SJB Group for this project. A topographic survey with scanning, property and right-of-way survey, and subsurface utility engineering was completed by SJB Group for this project.
04/21 – 07/21	**Hooper Road Widening (LA 3034 – LA 37); LADOTD Project No. H.009300.5** - Project Manager for the topographic survey and subsurface utility engineering for a one-mile stretch of LA Hwy 408 in East Baton Rouge Parish, LA. The topographic survey was an update to a survey done previously by SJB and included locating and verifying all changes to the one-mile site since the previous survey was completed in 2014.
06/21 – 10/21	**Blackwater Bayou Bridge; LA DOTD Project No. H.007963** - SJB Group was tasked through Retainer Contract No. 4400016018 to prepare a right of way map for the replacement of a bridge structure and a diversion road along LA Hwy. 410 in East Baton Rouge Parish. The initial property survey, right-of-way map, and title take-offs were done by SJB Group in 2018 under the Retainer Contract No. 4400009165 with DOTD. Mr. Staiano served as SJB Group's Survey Department Manager.
07/21 – Present	**LA 415 to Essen on I-10 and I-12; LADOTD Project No. H.004100** - Project Manager for the LADOTD project in East Baton Rouge Parish to provide right-of-way maps from Ferndale Ave. east along the project corridor to the westernmost right-of-way of College Drive and I-10.
07/21 – 02/22	**UP RR Corridor (Plaquemine); LA DOTD Project No. H.012851** - SJB Group performed a topographic survey with all utilities and depths at the intersection of LA 1 and Bayou Rd., and the intersection of Belleview Dr. and Railroad Ave. Mr. Staiano served as department manager on this project.
08/21 – Present	**LA 109: Gully Bridge; LADOTD Project No. H.012041.5** - Project Manager overseeing the topographic survey including all utilities with depths and drainage, and floor elevations of all buildings that fall within the survey limits in Calcasieu Parish near the intersection of I-12 and LA 109.

16. Staff Experience:

Firm employed by: SJB GROUP, LLC				
Name	**MATTHEW ESTOPINAL, PE, PLS**		Years of relevant experience with this employer	<1
Title	*CHIEF OPERATING OFFICER*		Years of relevant experience with other employer(s)	16
Degree(s) / Years / Specialization			Bachelor of Science / 2009 / Civil Engineering, Louisiana State University	
Active registration number / state / expiration date			4955 / Louisiana / 03.31.2023	
Year registered	2006	Discipline	Land Surveyor	
Active registration number / state / expiration date			39151 / Louisiana / 03.31.2023	
Year registered	2014	Discipline	Civil Engineer	
Contract role(s) / brief description of responsibilities			Survey Project Manager	

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).
Mr. Estopinal has more than fifteen years of experience as a professional land surveyor in the State of Louisiana. He has prepared right-of-way maps, ALTA surveys, boundary surveys, and topographic surveys. His duties include coordination of staff, responsible charge of all plan production, all field inspections, and the preparation of detailed construction plans on all types of work. Mr. Estopinal is a member of the Louisiana Society of Professional Surveyors and the National Society of Professional Surveyors.	
02/20 – 08/21	**MoveBR Midway;** Served as Project Manager. A topographic survey and right-of-way maps were composed to address changes required after the Joint Plan Review Submittal.
02/20 – Present	**MoveBR – Plank Road Corridor Enhancement Segment 2 (Dawson Drive to Harding) -** Served as Project Manager. A topographic survey was completed to improve pedestrian and cyclist mobility along Plank Road from Dawson Drive to Harding Boulevard.
03/20 – Present	**St. Francisville Sewer Treatment Plant, Pump Stations, And Force Mains -** Served as Project Manager. The project includes a topographic survey and boundary and servitude maps for the force main route (approximately 8,000 linear feet), pump station, and treatment plant site.
09/20 – Present	**MoveBR Perkins Road, Siegen To Pecue -** A Topographic survey and right-of-way maps for Perkins Road from Siegen Lane to Pecue were completed. Mr. Estopinal is the surveyor on record for this project.
09/20 – Present	**MoveBR. Sherwood Forest Sidewalks; City Project No. 20-EN-HC-0026 -** Served as Project Manager. A topographic survey and engineering design were completed to improve pedestrian mobility along S. Sherwood Forest Blvd by adding a sidewalk along the west side of the roadway from Coursey to Mead Dr.
09/20 – Present	**MoveBR Multi-Use Path; City Project No. 20-EN-HC-0027 - Served as Project Manager. A topographic survey and engineering design were completed to improve pedestrian and bicycle mobility along S. Sherwood Forest by adding a multi-use path along the west side of the roadway from Mead Dr. to Old Hammond Hwy.**
01/21 – Present	**MoveBR Synchronization And Communication Signal Rebuilds – Group 2; City Project No. 20-TS-HC-0075 – 20-TS-HC-0080 -** A topographic survey and right-of-way maps were included for six intersections. Mr. Estopinal is the surveyor on record.

02/21 – Present	**Dijon Phase II Right-Of-Way -** Boundary survey to update the right-of-way maps as a sub-consultant to Stantec to address changes to the originally issued plans for Dijon Phase 2 Project (Constantin Blvd).
03/21 – Present	**MoveBR Nicholson Segment 2; City Project No. 20-CP-HC-0032 -** Topographic Survey & scanning, property, and right-of-way survey, and subsurface utility engineering. Mr. Estopinal is a project manager on this project.
06/21 – 10/21	**Blackwater Bayou Bridge; LA DOTD Project No. H.007963 -** This project requires the replacement of a bridge structure and a diversion road during construction along LA Hwy. 410 in East Baton Rouge Parish. SJB is providing a right-of-way map. Mr. Estopinal is a project manager designated to oversee the completion of the right of way map.
07/21 – 02/22	**UP RR Corridor (Plaquemine); LA DOTD Project No. H.012851 -** SJB Group performed a topographic survey with all utilities and depths at the intersection of LA 1 and Bayou Rd., and the intersection of Belleview Dr. and Railroad Ave. Mr. Estopinal served as manager of production.
11/21 – 12/21	**Conway Development Topographic Survey for Novus Reb Engineering -** This project consisted of performing a topographic survey of a tract in the Conway development and is limited to running cross-sections through the topo limits. Shots were taken with the use of a robotic total station and 360d prism mounted on a closed cab UTV. Horizontal and vertical control was established at the site with Leica SmartNET RTN. Mr. Estopinal was the project manager.
03/22 – Present	**LA 385: Ryan Street Intersection Improvements; LA DOTD Project No. H.012685.5 -** A topographic survey was required in Calcasieu Parish, Louisiana near the intersection of I-210 and LA 385 (Ryan Street) and near the campus of McNeese State University. The survey included all utilities with depths and all drainage, along with finish floor elevations of all buildings that fell within the survey limits. The total linear distance was approximately 2.67 miles. Mr. Estopinal was the project manager.

16. Staff Experience:

Firm employed by: SJB GROUP, LLC				
Name	**CARL JEANSONNE, PLS**		Years of relevant experience with this employer	5
Title	*SENIOR PROJECT MANAGER*		Years of relevant experience with other employer(s)	40
Degree(s) / Years / Specialization			N/A	
Active registration number / state / expiration date			4542 / Louisiana / 03.31.2023	
Year registered	1985	Discipline	Land Surveyor	
Contract role(s) / brief description of responsibilities			Project Manager and Land Surveyor	

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).
Mr. Jeansonne has more than forty-five years of land surveying experience with a variety of survey projects involving boundary, topographic, right-of-way, route, as-built, and construction stakeout surveys, as well as subdivision platting, expert witness services, accident investigations and flood elevation certificates. Mr. Jeansonne founded Baton Rouge Land Surveying offering all land surveying services. His firm offered the first automated surveying processes in Louisiana utilizing robotic surveying equipment, which is now used throughout the surveying industry.	
04/12 – Present	Land Surveying in accordance with DOTD's Location and Survey Manual
03/08 – 09/08	**Perkins at Stanford/Acadian Intersection Improvements, East Baton Rouge Parish, LA.** Mr. Jeansonne served as Survey Project Manager on the Perkins at Stanford/Acadian Intersection Improvements as part of the Green Light Program for the City of Baton Rouge. This project involved a right-of-way survey for acquisition of land, which included courthouse research, reestablishment of boundaries, traversing, right-of-way mapping.
01/09 – 06/09	**Jefferson Highway-Henry Road Intersection Improvements, Ascension Parish, LA -** Mr. Jeansonne served as Survey Project Manager for the Jefferson Highway-Henry Road Intersection Improvements project for the Ascension Parish Department of Public Works. This project involved a topographic and right-of-way survey for land acquisition for intersection improvement project.
03/09 – 09/09	**Nicholson Drive (Brightside to Gourrier) Improvements, East Baton Rouge Parish, LA -** Mr. Jeansonne served as Survey Project Manager on the Nicholson Drive (Brightside to Gourrier) Improvements as part of the Green Light Program for the City of Baton Rouge. This project involved a topographic survey, control establishment, courthouse research, reestablishment of boundaries, traversing, right-of-way mapping of approximately 6,000 linear feet for roadway widening project.
09/09 – 12/09	**Elm Grove Garden Road-Harding Boulevard Rehabilitation, East Baton Rouge Parish, LA -** Mr. Jeansonne served as Survey Project Manager for the Elm Grove Garden Road-Harding Boulevard Rehabilitation for the EBROSSCO. The project involved performing a topographic survey for approximately 10,000 linear feet of sewer force main route, complete survey for engineering design and right-of-way acquisition.
12/16 – 01/17	**Bootlegger Road, St. Tammany Parish, LA -** Mr. Jeansonne served as Senior Project Manager for the Bootlegger Road project for St. Tammany Parish as a sub-consultant to Stanley Consultants for LA DOTD. This project involved topographic surveying, boundary surveying, right-of-way maps, and SUE.

02/16 – 02/17	**Hooper Road Extension – Rt. LA 408; LA DOTD Project No. H.005403.5 -** Mr. Jeansonne served as a Senior Project Manager for the LA DOTD Hooper Road extension project in East Baton Rouge Parish. A topographic survey was performed over a stretch of LA Hwy 408.
03/17 – 02/18	**US 190 Collins Blvd Widening; LA DOTD Project No. H.004987.5 -** Mr. Jeansonne served as a Project Manager for the DOTD widening project of US 190 in St. Tammany Parish. The project involved a topographic survey and a drainage map.
07/17 – 07/17	**LA 990: 6th Ed Lejeune (Overlay-Drainage); LA DOTD Project No. H.012323 -** Mr. Jeansonne served as a Senior Project Manager for the LA DOTD overlay-drainage project on 6th Ed LeJeune in West Baton Rouge Parish. This project included right-of-way mapping and property maps.
01/18 – 06/18	**Airline Highway Right-of-Way, St. John the Baptist Parish, LA -** Mr. Jeansonne served as Senior Project Manager for the Airline Highway Right-of-Way project in Laplace, LA for Atmos Energy. This project involved right-of-way staking of existing roadways for a major gas line relocation project.
04/18 – 06/18	**Mandeville Utility Survey, St. Tammany Parish, LA -** Mr. Jeansonne served as Senior Project Manager for the Mandeville Utility Survey for Atmos Energy. This project involved a utility inventory survey for the extension and refurbishing of distribution gas lines.
05/18 – 05/18	**Government Street Road Right-of-Way, East Baton Rouge Parish, LA -** Mr. Jeansonne served as Senior Project Manager for the Government Street Road Right-of-Way project for Atmos Energy. This project involved right-of-way staking of existing roadways for a major gas line relocation project.
04/19 – 08/19	**LA 182 Barrow Street Bridge; LA DOTD Project No. H.012735.5 -** SJB Group was contracted to provide a topographic survey and subsurface utility engineering Quality Level B for design. The purpose of this project was to replace a bridge structure located at the intersection of Park Avenue and Barrow Street in downtown Houma.
04/20 – 06/20	**US 90: Pearl River Bridges (HBI); LA DOTD Project No. H.000284.5 -** Topographic survey and Mobile LiDAR Scanning along US 90 and west of Pearl River in St. Tammany Parish. The project began 3,000 feet west of the intersection between US 90 and US 190. The total distance of the survey once complete was 4,000 miles.
03/21 – Present	**MoveBR – Jefferson Highway at Bluebonnet Intersection Improvement; City-Parish No. 20-CP-HC-0046 -** SJB Group is performing a topographic survey, property survey, SUE, and Right-of-Way maps of the Jefferson Hwy and Bluebonnet intersection. Mr. Jeansonne is a project manager for this project.
04/21 – 08/21	**LA 3092 Roundabout; LA DOTD Project No. H.012052.5 -** Mr. Jeansonne served as the senior project manager for the LA 3092 roundabout in Calcasieu Parish. This project involved property surveys, title take-off, and right-of-way maps.

16. Staff Experience:

Firm employed by: SJB GROUP, LLC					
Name	**COLBY MIRE**		Years of relevant experience with this employer	5	
Title	*PROJECT MANAGER*		Years of relevant experience with other employer(s)	0	
Degree(s) / Years / Specialization			Bachelor of Science / 2015 / Construction Engineering Technology, Louisiana State University		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Survey Project Manager		

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).
Mr. Mire has more than five years of experience in land surveying. He has worked as a rodman, party chief, and project manager for SJB Group. He has worked on numerous projects involving topographic, boundary, and right-of-way surveys; and also mobile LiDAR scanning. His field experience includes numerous DOTD projects, boundary surveys, construction stakeouts, and topographic and right-of-way surveys throughout Louisiana. He is familiar with LA DOTD Location and Survey procedures, manuals, and software programs. Mr. Mire is currently pursuing licensure as a Professional Land Surveyor in the State of Louisiana.	
05/13 – Present	Topographic surveying in accordance with DOTD's Location and Survey Manual
04/17 – 06/17	**LA 339 & LA 339 S Bayou Parc; LADOTD Project No. H.002151.5 -** Mr. Mire served as a Survey Technician for the LA DOTD LA 339 & LA 339-S project in Lafayette Parish through the right-of-way retainer contract. This project involved right-of-way and property maps.
06/17 – 02/18	**US 190 Collins Blvd Widening; LA DOTD Project No. H.004987 -** SJB performed a topographic survey and a drainage map in St. Tammany Parish. The project began 2,770 feet north of the intersection of North Collins Blvd. (Hwy 190) and Branch Crossing Dr. From this point, the project proceeded south along North Collins Blvd. for approximately 3.5 miles, ending 920 feet south of the intersection of Rogers Lane and Hey 190. This project allowed for improvements along North Collins. Mr. Mire served as a Junior Party Chief.
07/17 – 07/17	**LA 990: 6th Ed Lejeune (Overlay-Drainage); LADOTD Project No. H.012323 -** Mr. Mire served as a Junior Party Chief for the LA DOTD overlay-drainage project on 6th Ed LeJeune in West Baton Rouge Parish. This project included right-of-way mapping and property maps.
07/17 – 01/19	**I-12 (LA 21 to US 190) & I-12 (US 190 to LA 59); LA DOTD Project Nos. H.011137 and H.011152 -** SJB Group was a prime on the I-12 (LA 21 to US 190) & I-12 (US 190 to LA 59) and did Topographic Survey alongside Lazenby. SJB Group contracted Cardno as a sub to do the SUE work on this project. Mr. Mire served as a Junior Party Chief.
10/18 – 04/19	**I-10 Paris Road – Lake Pontchartrain; LADOTD Project No. H.012591 -** SJB Group provided a complete topographic survey including utilities with depths and all drainage for an8.24 mile stretch of Interstate 10 in New Orleans East. The project began near the I-510 overpass and ended at the bridge abutment of the I-10 bridge over Lake Pontchartrain. This project included topographic survey, LiDAR scanning, and SUE. Mr. Mire served as a Junior Party Chief.

04/19 – 08/19	**LA 182 Barrow Street Bridge; LADOTD Project No. H.012735.5 -** SJB Group was contracted to provide a topographic survey and subsurface utility engineering Quality Level B for design. The purpose of this project was to replace a bridge structure located at the intersection of Park Avenue and Barrow street in downtown Houma. Mr. Mire served as a Junior Party Chief.
04/20 – 06/20	**US 90: Pearl River Bridges (HBI); LADOTD Project No. H.000284.5 -** Topographic survey and mobile LiDAR Scanning along US 90 and west of Pearl River in St. Tammany Parish. The project began 3,000 feet west of the intersection between US 90 and US 190. The total distance of the survey once complete was 4,000 miles. Mr. Mire served as a Junior Project Manager.
04/20 – 11/20	**US 11 Norfolk Southern RR Overpass (HBI); LADOTD Project No. H.000688.5 -** This project included topographic survey and mobile LiDAR scanning in St. Tammany Parish along US 11 between I-12 and US 190. Mr. Mire served as a Junior Project Manager.
04/21 – 06/21	**Centurion over Drainage Bayou (Prime: Monroe & Corie); LADOTD Project No. H.014322 -** This project included topographic survey in East Baton Rouge Parish for a bridge location on Centurion Blvd. over Drainage Bayou. Mr. Mire served as a Junior Project Manager.
04/21 – 07/21	**Hooper Road Widening (LA 3034 – LA 37); LADOTD Project No. H.009300.5 -** Party Chief for the topographic survey and subsurface utility engineering for a one mile stretch of LA Hwy 408 in East Baton Rouge Parish, LA. The topographic survey was an update to a survey done previously by SJB and included locating and verifying all changes to the one mile site since the previous survey was completed in 2014.
07/21 – 02/22	**UP RR Corridor (Plaquemine); LA DOTD Project No. H.012851 -** SJB Group performed a topographic survey with all utilities and depths at the intersection of LA 1 and Bayou Rd., and the intersection of Belleview Dr. and Railroad Ave. Mr. Mire served as a project manager on this project.

16. Staff Experience:

Firm employed by: SJB GROUP, LLC				
Name	**ANTHONY BURNS**	Years of relevant experience with this employer	18	
Title	*PROJECT MANAGER/FIELD CREWS MANAGER*	Years of relevant experience with other employer(s)	0	
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		Survey Project Manager		

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).
Mr. Burns has more than eighteen years of experience as a rodman, party chief, and project manager with numerous DOTD and city-parish projects involving topographic, right-of-way, and boundary surveys. His experience includes conventional and terrestrial LiDAR, and mobile LiDAR scanning. He is thoroughly familiar with City-Parish and LA DOTD Location and Survey Procedures, manuals, and software programs with respect to all requirements. He manages our survey field crews and equipment.	
02/04 – Present	Topographic Surveying in accordance with DOTD's Location and Survey Manual
06/14 – 11/14	**North Sherwood Blvd. Improvements -** Project for Professional Engineering Consultants – Topographic Survey, Property Survey, and Right-of-Way Maps. Mr. Burns served as a Party Chief.
04/15 – 04/16	**US 90 Captain Cade to Ambassador Caffery Frontage Road; LA DOTD Project No. H.011298.5 -** A topographic survey was done alongside a proposed route along the East and West sides of US 90. This survey was located in Lafayette, St. Martin, and Iberia Parishes between Youngsville and Broussard, LA. Mr. Burns served as Project Manager.
05/15 – 11/15	**US 190 Guardrail/Rutting Rep. (Phase I); LA DOTD Project No. H.011224 -** A topographic survey was done along five portions of US 190. The project was located in Pointe Coupee Parish from LA 1 westward approximately 18.5 miles to the east side of the Atchafalaya Bridge. Mr. Burns served as project manager.
04/17 – 06/17	**LA 339 & LA 339 S Bayou Parc; LADOTD Project No. H.002151.5 -** Mr. Burns served as a project manager for the LA DOTD LA 339 & LA 339-S project in Lafayette Parish through the right-of-way retainer contract. This project involved right-of-way and property maps.
06/18-08/18	**I-10 West of LA to I-210 Interchange; LA DOTD Project No. H.009620 -** SJB Group was contracted to perform property surveys along I-10 West of LA to the I-210 interchange. SJB also provided right-of-way maps as part of this project. Mr. Burns served as a project manager.
08/18 – 10/18	**Nelson Road Extension; LA DOTD Project No. H.005967.5 -** The project was located along the Nelson Road corridor, which is located south of Contraband Bayou in Calcasieu Parish, near Lake Charles, Louisiana. This project was a right-of-way survey for the extension of Nelson Road north across Contraband Bayou to intersect West Sallier Street. The project included the realignment of Nelson Road, new bridge construction, and relocation of an existing railroad. The project was divided into three phases: property surveys, base right-of-way maps, and final right-of-way maps. Mr. Burns served as a project manager for SJB Group.

10/18 – 04/19	**I-10 Paris Road – Lake Pontchartrain; LADOTD Project No. H.012591 -** SJB Group provided a complete topographic survey including utilities with depths and all drainage for an 8.24 mile stretch of Interstate 10 in New Orleans East. The project began near the I-510 overpass and ended at the bridge abutment of the I-10 bridge over Lake Pontchartrain. This project included a topographic survey, LiDAR scanning, and SUE. Mr. Burns served as Project Manager.
04/19 – 08/19	**LA 182 Barrow Street Bridge; LADOTD Project No. H.012735.5 -** SJB Group was contracted to provide a topographic survey and subsurface utility engineering Quality Level B for design. The purpose of this project was to replace a bridge structure located at the intersection of Park Avenue and Barrow street in downtown Houma. Mr. Burns served as a project manager.
04/20 – 06/20	**US 90: Pearl River Bridges (HBI); LA DOTD Project No. H.000284.5 -** Topographic survey and Mobile LiDAR Scanning along US 90 and west of Pearl River in St. Tammany Parish. The project began 3,000 feet west of the intersection between US 90 and US 190. The total distance of the survey once complete was 4,000 miles. Mr. Burns served as Project Manager.
04/20 – 11/20	**US 11 Norfolk Southern RR Overpass (HBI); LA DOTD Project No. H.000688.5 -** This project included topographic survey and mobile LiDAR scanning in St. Tammany Parish along US 11 between I-12 and US 190. Mr. Burns served as a Project Manager.
03/21 – Present	**MOVEBR – Jefferson Highway at Bluebonnet Intersection Improvement; City Parish No. 20-CP-HC-0046 -** SJB Group is performing a topographic survey, property survey, SUE, and Right- of-Way maps of the Jefferson Hwy and Bluebonnet intersection. Mr. Burns is a project manager and oversees all field crews.
04/21 – 07/21	**Hooper Road Widening (LA 3034 – LA 37); LADOTD Project No. H.009300.5 -** Oversaw the field crew on the topographic survey and subsurface utility engineering project for a one mile stretch of LA Hwy 408 in East Baton Rouge Parish, LA. The topographic survey was an update to a survey done previously by SJB and included locating and verifying all changes to the one mile site since the previous survey was completed in 2014.

16. Staff Experience:

Firm employed by: SJB GROUP, LLC				
Name	**PHILLIP DOWDEN**		Years of relevant experience with this employer	<1
Title	*PROJECT MANAGER*		Years of relevant experience with other employer(s)	27
Degree(s) / Years / Specialization			BS Construction Management/1985/Louisiana State University	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			Survey Project Manager	

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).
Mr. Dowden has more than twenty-seven years of experience in the survey field. His experience includes land survey and powerline design, marine surveying, boundary, and ALTA surveys. Starting in 2005, Mr. Dowden has done marine surveying projects worldwide in the oil and gas industry. He also has experience in vessel offset surveys and calibrations for wind farms with extensive experience with GPS control.	
08/94 – 05/97	Land Surveying and Powerline design and layout including distribution, transmission, and substation layout and staking from rodman to Party Chief positions held.
05/97 – 12/99	Marine surveying and vessel offset surveys with extensive experience with GPS. I-Man to Party Chief positions held.
12/99 – 07/05	Party Chief for powerline surveys, Party Chief for land surveys including subdivision staking on boundary and layout, ALTA surveys, and large parcel land drainage surveys.
07/05 – 12/21	Marine surveying worldwide in the oil and gas industry. Also, vessel offset surveys and calibrations for wind farms with extensive experience with GPS.
05/06 – 10/06	**Boston Harbor Sun New York -** Became primary Multibeam processor on a 16-mile pipeline project. A Reson 8125 Multibeam was head mounted on an ROV. Also, a DVL, Octans INS, Paro, Seabird, and USBL systems. This involved digitizing the pipeline for the station and depth of cover along the route. Mr. Dowden was the project manager.
04/07 – 09/07	**Boston Harbor Northern Canyon** Archeological and Hazard Survey on a Multibeam project. Mr. Dowden was the project manager.
05/08 – 09/08	Boston Harbor Northern Canyon Mr. Dowden assumed the same role as primary processor for an additional pipeline paralleling the one laid on 2006.
06/09 – 07/09	**Gulf of Mexico BoTruc 20** Multibeam project using a Reson 7125 and the primary processor on jetting in a pipeline. Mr. Dowden was the project manager.
09/10 – 02/11	**Gulf of Mexico Epic Diver** Multibeam project used to remove a downed platform from hurricane destruction. This was a project that resulted in a massive excavation with dimensions of 350' in dia. by 70' in depth. Continuous R2Sonic Multibeam work throughout. This also involved many vessels throughout the campaign. Mr. Dowden was the project manager.

03/11 – 05/11	**Gulf of Mexico Adams Challenge:** This was a platform removal project utilizing two ROVs. One had a mounted echoscope while the other ROV was under the mud mat of the platform excavating. We needed to quantify the material removed beneath the mud mat to ensure the proper depth for removal.
08/12 – 09/12	**Gulf of Mexico Polo Pony -** A Multibeam project which involved multiple locations for pre-site investigations for future rig moves. Mr. Dowden was the project manager.
03/13 – 06/13	**Gulf of Mexico Cross Mar 21 -** Echoscope project where Mr. Dowden was involved in the mobilization of all the equipment. Unable to participate in offshore operations.
06/13 – 09/13	**Gulf of Mexico Triton Liberty -** A Multibeam project which involved multiple locations for pre-site investigations for future rig moves.
11/13 – 12/13	**Cal Diver I -** A Multibeam project which involved multiple locations for pre-site investigations for future rig moves. Completely surrounded five platforms
09/14 – 11/14	**Lake Charles Plant survey -** Echoscope project to analyze the erosion from plant runoff from culverts. Mr. Dowden was a project manager.
07/21 – 02/22	**UP RR Corridor; LA DOTD Project No. H.012851.5 -** SJB Group performed a complete topographic survey of the project limits including locating all utilities with depths and finish floor elevations of all buildings that fell within survey limits. The project site included a high-traffic Union Pacific Railroad line, which required SJB Group to obtain a railroad permit to work within the railroad right-of-way and close coordination with Union Pacific Railroad flaggers to ensure project safety. A drainage map was required as part of the survey and was done following LADOTD Existing Drainage Map Standards. Mr. Dowden served as a project manager.

16. Staff Experience:

Firm employed by: SJB GROUP, LLC				
Name	**KURT EVANS**		Years of relevant experience with this employer	<1
Title	*PROJECT MANAGER*		Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization			AOS / 2010 / Civil/Structural /Architectural CAD Drafting, ITI Technical College	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			Survey and LiDAR Scanning Project Manager	

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).
Mr. Evans has experience in land surveying as a survey department lead, civil structural designer, instrument man, and crew chief. He has eight years of topographic survey and scanning experience throughout Louisiana. Mr. Evans is in charge of research and development of advanced measurement techniques and work flows, and terrestrial scanning. He is a member of the Louisiana Chemical Industry Alliance and American Builders and Contractors Pelican Chapter.	
04/12 – 10/13	**Construction for Belle Chase Tunnel -** Mr. Evans was a crew chief on the construction stake out efforts for sheet pile wall for the upgrade and rebuild of the existing Belle Chase Tunnel.
01/15 – 01/17	**Shell/Motiva Convent Project Amite – Maurepas Pipeline System -** This project was part of a 3 plant effort to use an underground pipeline to distribute various products between Shell's three local facilities. Mr. Evans led the survey effort and site control for the Pipeline System at Shell Convent. He tied inside plant units to outside state plane coordinates for pipeline routes to tie into revamped units. He troubleshot dimensional control issues and provided construction support.
01/17 – 01/18	**Shell Norco Hydro Cracker Unit-** Mr. Evans led the survey effort and site control for the Shell HCU rebuild project. The project required a complete rebuild and upgrade of the Hydro Cracker Unity to support the increase in production volume. He performed engineering field design checks, investigated and resolved dimensional control issues, and provided construction support.
01/18 – Present	**Methanex G3 Unit -** This project required the construction of a new access road (Ring Rd.) to the Methanex G3 unit. This was a plant expansion to facilitate the growing demand for natural gas. Mr. Evans was part of a team contracted to design and build a road to accommodate the additional traffic as a result of the plant expansion. Mr. Evans oversaw subsurface utility locating efforts, managed design, managed survey crews, coordinated with subcontractors, and provided support to the construction manager on engineering design efforts.
11/21 – Present	**Compass Minerals Mine Run Bypass Loop -** Project manager for scanning and mine control effort to bypass the location of existing conveyor and equipment. Mr. Evans performed scans tied to mine control 1500' below the surface for the reroute of Mine traffic. He setup and oversaw project coordination.
11/21 – Present	**Compass Minerals 0.8 Mile Conveyor Install -** Compass Minerals is installing a new conveyor system that will run approximately 0.8 miles underground to increase their production volume and decrease the time of product delivery. SJB

	Group was hired to perform scans tied to mine control at 1500 feet below the surface for the installation of a new conveyor route. Mr. Evans was the project manager for the scanning and mine control. He oversaw project coordination.
11/21 – Present	**Compass Minerals C-3 Void Scan -** This project required a 3D scan of various voids within the mine that was caused by fresh water intrusion so that the client could repair the voices with grout or a suitable concrete fill. Mr. Evans was the project manager for scanning and mine control. He setup and over saw project coordination, and calculated the volume of grout or concrete fill that would be required to repair voids.
11/21 – Present	**Compass Minerals – 16' Shaft Collar and Hoist Motor room As-Built -** Project manager for the scanning and mine control effort for a 16-foot shaft collar and hoist motor room. The client plans to run cables from the adjacent motor room through a concrete wall below the ground for production. Mr. Evans set up and oversaw all project coordination, performed a scan of the clients' assets above the ground, and also performed a scan of the underground assets tying both the data sets together.

16. Staff Experience:

Firm employed by: SJB GROUP, LLC				
Name	**TRENTON IGLEHART**		Years of relevant experience with this employer	7
Title	*PROJECT MANAGER / CAD TECHNICIAN*		Years of relevant experience with other employer(s)	14
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			N/A	

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).
Mr. Iglehart has over twenty years combined experience as a project manager and CAD technician. He has been involved in a variety of projects involving ASCE 38-02 standards, boundary, topographic, hydrographic, right-of-way, and construction stakeout surveys. Mr. Iglehart is a scanner technician for 3-D scanning, mobile LiDAR, terrestrial scanning, and aerial LiDAR. He has obtained his drone pilot's license and is endorsed by the Unmanned Safety Institute for the safe operation of unmanned geospatial systems.	
08/13 – Present	Survey CAD Technician for LA DOTD Projects
09/13 – 07/14	**Hooper Road Widening; LA DOTD Project No. H.009300 -** A topographic survey and Quality Level D SUE provided by SJB in preparation for widening Hooper Rd. (LA 408) in East Baton Rouge Parish from Sullivan Road (LA 3034) to Greenwell Springs Road (LA 37) for a distance of about 2.95 miles. CAD Technician.
02/15 – 04/16	**I-12 (LA 21 to US 190) & I-12 (US 190 to LA 59); LA DOTD Project No. H.011137 and H.011152 -** SJB Group was a prime on the I-12 (LA 21 to US 190) & I-12 (US 190 to LA 59) and did Topographic Survey alongside Lazenby. SJB Group contracted Cardno as a sub to do the SUE work on this project. Mr. Iglehart was a CAD Technician on this project.
04/15 – 04/16	**US 90 Captain Cade to Ambassador Caffery Frontage Road; LA DOTD Project No. H.011298.5 -** A topographic survey was done alongside a proposed route along the East and West side of US 90. This survey was located in Lafayette, St. Martin, and Iberia Parishes between Youngsville and Broussard, LA. CAD Technician.
06/15 – 08/15	**US 90 Drainage Canal Erosion Repair; LA DOTD Project No. H.011720 -** A complete topographic survey including all utilities with depths and all drainage was done in Terrebonne Parish along a portion of the existing route of US 90 and the drainage canal bridges. Mr. Iglehart was a CAD Technician on this project.
09/15 – 10/15	**Nighthawk/Span TRL Survey ; LA DOTD Project No. H.011323.5 -** SJB Group performed a property survey and title take-off for this project. CAD Technician.
11/15 – 11/15	**Ragley-Longville LA-US 171 ROW; LA DOTD Project No. H.000872.5 -** SJB Group performed property and boundary surveys for this project, and prepared right-of-way maps and title take-offs. CAD Technician.
12/16 – 01/17	**Bootlegger Road Survey for Stanley Consultants; Parish Project No. 2016EN0039 -** A topographic and boundary survey was performed in St. Tammany Parish as a sub to Stanley Consultants. The topographic survey project area was Ochsner Blvd to LA Hwy 21. A boundary survey of right-of-way and adjoining property lines within the project area and right-of-way survey maps to facilitate right-of-way acquisition. Mr. Iglehart was a CAD Technician on this project.

08/18 – 10/18	**Nelson Road Extension; LA DOTD Project No. H.005967.5 -** The project was located along the Nelson Road corridor, which is located south of Contraband Bayou in Calcasieu Parish, near Lake Charles, Louisiana. This project was a right-of-way survey for the extension of Nelson Road north across Contraband Bayou to intersect West Sallier Street. The project included the realignment of Nelson Road, new bridge construction, and relocation of an existing railroad. The project was divided into three phases: property surveys, base right-of-way maps, and final right-of-way maps. Mr. Iglehart was a CAD Technician on this project.
04/20 – 06/20	**US 90: Pearl River Bridges (HBI); LA DOTD Project No. H.000284.5 -** Topographic survey and Mobile LiDAR Scanning along US 90 and west of Pearl River in St. Tammany Parish. The project began 3,000 feet west of the intersection between US 90 and US 190. The total distance of the survey once complete was 4,000 miles. . CAD Technician.
04/20 – 11/20	**US 11 Norfolk Southern RR Overpass (HBI); LADOTD Project No. H.000688.5 -** This project included topographic survey and mobile LiDAR scanning in St. Tammany Parish along US 11 between I-12 and US 190. Mr. Iglehart served as a CAD Technician.
03/21 – Present	**MovEBR Nicholson Segment 2; City Project No. 20-CP-HC-0032 -** Topographic Survey & scanning, property and right-of-way survey, and subsurface utility engineering. Mr. Iglehart served as a CAD Technician.
04/21 – 07/21	**Hooper Road Widening (LA 3034 – LA 37); LA DOTD Project No. H.009300.5 -** SJB performed a topographic survey, subsurface utility engineering, and an update of an existing drainage map for a one mile stretch of LA Hwy 408. The topographic survey was an update to a survey done previously by SJB and included locating and verifying all changes to the one mile site since the previous survey was completed. CAD Technician.
06/21 – 10/21	**Blackwater Bayou Bridge; LA DOTD Project No. H.007963 -**This project requires the replacement of a bridge structure and a diversion road during construction along LA Hwy. 410 in East Baton Rouge Parish. SJB is providing a right-of-way map. CAD Technician.

16. Staff Experience:

Firm employed by: SJB GROUP, LLC				
Name	**MATTHEW SCHEXNAYDER**		Years of relevant experience with this employer	3
Title	*CAD TECHNICIAN*		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			AOS / 2018 / Drafting and Design, Baton Rouge Community College	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			CAD Technician	

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).
Mr. Schexnayder has three years of experience as a CAD technician with SJB Group. He has been involved with numerous city-parish projects and several DOTD projects as a CAD Technician. Mr. Schexnayder is involved with the preparation of boundary surveys, right-of-way maps, topographic surveys, utility mapping, stakeout computations, and as-built survey maps. He has experience in design and drafting using AutoCAD design software packages as well as MicroStation and InRoads.	
09/17 – 02/20	**Roddy Road Safety Widening; Parish Project No. MA-17-04 -** This project was part of the Move Ascension Program. Mr. Schexnayder designed and created a corridor model for roadway design to include ditches along roadways and calculate excavated/embankment material. Mr. Schexnayder was a CAD Technician on the project.
04/19 – 08/19	**Roddy Road Intersection Improvements; Parish Project No. MA-18-13 -** Mr. Schexnayder designed and created a corridor model for roadway design to include ditches along the roadway and calculate excavated/embankment material. The intersection project was part of the Move Ascension Program. Mr. Schexnayder was a CAD Technician on the project.
05/19 – 12/19	**Rouzan Traditional Neighborhood Development -** This project was to extend a curb and gutter asphalt roadway, and design new throughways to facilitate egress to and from residential homes. Mr. Schexnayder designed roadway drainage with the use of curb inlets and grate inlets, ran drainage calculations for proposed roadways, 3D modeled existing utilities (drainage and sewer) to prevent interferences, and designed sanitary sewer. He modeled existing topographic features and created DTM based on data collected from survey. CAD Technician.
03/19 – 08/19	**Ford Street Extension -** Project was to extend a curb and gutter asphalt roadway, and design new throughways to facilitate extension for the existing roadway. Using Autodesk Civil 3D, he designed roadway drainage with the use of curb inlets and grate inlets, ran drainage calculations for proposed roadways, 3D modeled existing utilities (drainage and sewer) to prevent interferences, and designed sanitary sewer. Mr. Schexnayder was a CAD Technician on the project.
01/19 – 05/19	**College Drive/Westdale Intersection -** Project was to design a left-turn only route to alleviate traffic congestion. Designed surface model and created DTM used to design roadway profile, created corridor model to calculate excavated/embankment material. Mr. Schexnayder was a CAD Technician on the project.
08/20 – Present	**Bridges Near Greensburg. This project is a spot bridge replacement (4 sites) as part of a LADOTD project.**

	LA DOTD Project No. H.013982 - Using InRoads and Microstation SJB created all plan sheets, annotated cross sections, embankment widening and guard rail details, survey control and benchmark elevations, as per LADOTD CADconform. Mr. Schexnayder was a CAD Technician on the project.
07/21 – Present	**I-10: LA 415 to Essen on I-10 and I-12; LA DOTD Project No. H.004100 - S**JB provided right-of-way maps from Ferndale Ave. East along the project corridor to the westernmost right-of-way of College Drive and I-10. This survey was conducted in East Baton Rouge Parish. Mr. Schexnayder served as a CAD Technician.
03/21 – Present	**MovEBR Nicholson Segment 2 City Project No. 20-CP-HC-0032 -** Topographic Survey & scanning, property and right-of-way survey, and subsurface utility engineering. Mr. Schexnayder was a CAD Technician on the project.
04/21 – 06/21	**Centurion over Drainage Bayou (Prime: Monroe & Corie); LA DOTD Project No. H.014322 -** This project included topographic survey in East Baton Rouge Parish – Centurion over Drainage Bayou. Mr. Schexnayder was a CAD Technician on the project.
04/21 – 07/21	**Hooper Road Widening (LA 3034 – LA 37); LA DOTD Project No. H.009300.5 -** SJB performed a topographic survey, subsurface utility engineering, and an update of an existing drainage map for a one-mile stretch of LA Hwy 408. The topographic survey was an update to a survey done previously by SJB and included locating and verifying all changes to the one-mile site since the previous survey was completed. Mr. Schexnayder was a CAD Technician on the project.

16. Staff Experience:

Firm employed by: **A P S ENGINEERING AND TESTING, LLC**					
Name	**SERGIO AVILES, PE**		Years of relevant experience with this employer	9	
Title	PRESIDENT		Years of relevant experience with other employer(s)	10	
Degree(s) / Years / Specialization			BS Civil Engineering/2001/Geotechnical		
Active registration number / state / expiration date			0033571/ LA / 03-31-2024		
Year registered	2007	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Project Manager/Design guidance/Field Crew and lab management		

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).
09/19-06/20	**Project No. H.004100: I-10 Widening LA 415 to Essen LN-** A P S was tasked thru our DOTD geotechnical retainer to drill and sample a total of 52 deep borings starting at the Washington Exit and ending at the LSU lakes. Along with this drillingand sampling APS will also test for strength and engineering characteristics of the soils with. A total of eight (8) over the waterborings and 44 land borings with approximate 1000 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits. Mr. Aviles was the project manager to the Geotechnical Investigations.
08/16-10/19	**Project No. H.012422: I-10/I-110 Interchange Modification at Terrace Ave-** A P S was tasked thru our DOTD geotechnical retainer to drill and sample a total of six (6) deep borings for the design of the Terrace Ave exit. APS tested for strength and engineering characteristics of the soils with approximate 100 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits by A P S Laboratory. Mr. Aviles was the project manager to the Geotechnical Investigations.
11/17-2/18	**Project No. H.013193 US 61 Thompson Creek Bridge Replacement-** A P S was tasked thru our DOTD geotechnical retainer to drill and sample a total of eight (8) deep borings for the replacement bridge at US 61 over Thompson Creek. APS tested for strength and engineering characteristics of the soils. Mr. Aviles was the project manager to the Geotechnical Investigations.
11/17-2/18	**Project No. H.002273, H.000710, and H.001352 Comite River Diversion Bridge at LA 67, LA 19 and LA 19 Railroad Bridge LA 67 and LA 19-** A P S was tasked thru our DOTD geotechnical retainer to drill and sample a total of 12 deep borings for the new and replacement bridges at Highway 19, 67, and 964. APS tested for strength and engineering characteristicsof the soils. Mr. Aviles was the project manager to the Geotechnical Investigations.
11/19-Present	**Project No. H.001352 and H.002273 Comite River Diversion Bridge at LA 67, LA 19 and LA 19 Railroad Bridge LA 67 and LA 19-** A P S was selected with the winning team for the design of the diversion CMAR project. A P S will be theGeotechnical designers for the project. Mr. Aviles is the project manager for the project design team. No TO issue as of today.
03/19-05/19	**Project No. H.001344 US 190 over Bogue Falaya River-** A P S was selected with the winning team for the Geotechnical Investigation and Design of the proposed new bridge. A total of 19 deep borings were drilled and tested for the foundation recommendation. Mr. Aviles is the project manager for the project design team.

12/19-3/20	**Project No. H.010155 US 90 Railroad Overpass SE of LA 85-** A P S was selected with the winning team for the GeotechnicalInvestigation and Design for the proposed new overpass. A total of six (6) deep borings were drilled and tested for Geotechnical recommendation. Mr. Aviles is the project manager for the project design team.
02/17-10/17	**Project No. H.002861 Earhart Expressway/Causeway Boulevard:** APS was tasked with developing the LRFD factors for both existing structures and the new elevated sections to connect to Causeway Blvd. Per the task order APS drill and tested 85 borings to 120 feet near the proposed and existing structures. APS engineering staff provides designer with pile tip elevations for five elevated ramps to connect Earhart to Causeway Blvd. Provided boring logs, information on site conditions, site preparation recommendations, and load- length curves. Mr. Aviles is the project manager to the Geotechnical investigations and analysis assigned to help calculating the resistance factors.
07/14-08/14	**Project No. 700-51-0110: US 90 elevated portion for the future I-49 corridor.** APS performed all the preliminary drilling, testing, and CPT for US 90 and Highway 318 Intersection. A total of 46 boring and 11 CPT along with all the testing required by LADOTD. Mr. Aviles was the project manager to the Geotechnical investigations and analysis as assigned for roads and bridges design.
2001-2005	The following lists consist of projects that Mr. Aviles did the design or assisted on the design while at LADOTD. These projects include pile design, slope stability, settlement analysis, and construction services (PDA, CAPWAP, and WEAP). **ONSYSTEM PROJECTS LIST:** Mr. Aviles served as the staff geotechnical engineer while at the Pavement and Geotechnical Section for the following projects below: Below projects varies from Embank Design, Pile Design, Drilled Shaft design, MSE wall design, and construction supervision. Major projects cost estimated over one million dollars: 015-04-0037 LA524-LA123 Route US165, 015-05-0035 LaSalle, 015-07-0044 (Route 165 Cadwell, 276-03-0016 Tangipahoa River Bridge, 3132 Innerloop 427-01-0029, 362-01-0009 Rat Bois, 452-01-0039 I-55 CrossOvers, 742-07-0098 Susek Drive, Bayou Perrie and Sand Beach Bayou 103-01-0025, Broadway Ave.700-40-0127, Cameron Route La. 27 193-02-0042, Causeway Boulevard interchange Route I-10 450-15-0098,Clayton-Greenville 026-03-0025, Crescent City Connection 283-08-0143(46), Cross Bayou Bridge 090-01-0020, Flannery at Florida 742-17-0008.

16. Staff Experience:

Firm employed by: **A P S ENGINEERING AND TESTING, LLC**			
Name	**SAIRAM EDDANAPUDI, ME, PE**	Years of relevant experience with this employer	9
Title	CHIEF ENGINEER	Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization		ME, Civil Engineering, Lamar University, Dec. 2002 BE, Civil Engineering, Sri Venkateswara University, India Aug. 1999	
Active registration number / state / expiration date		0035129/ LA / 03-31-2024	
Year registered	2008	Discipline	Civil
Contract role(s) / brief description of responsibilities		Laboratory QA Manager- Will be in charge all daily operation of the project/QA/Design Engineer	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
09/19-Present	**Project No. H.004100: I-10 Widening LA 415 to Essen LN-** A P S was tasked thru our DOTD geotechnical retainer to drill and sample a total of 52 deep borings starting at the Washington Exit and ending at the LSU lakes. Along with this drillingand sampling APS will also test for strength and engineering characteristics of the soils with. A total of eight (8) over the waterborings and 44 land borings with approximate 1000 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits. Mr. Sai was the project QA to the Geotechnical Investigations.
08/16-10/19	**Project No. H.012422: I-110 Interchange Modification at Terrace Ave-** A P S was tasked thru our DOTD geotechnical retainer to drill and sample a total of six (6) deep borings for the design of the Terrace Ave exit. APS tested for strength and engineering characteristics of the soils with approximate 100 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits by A P S Laboratory. Mr. Sai was QA to the Geotechnical Investigations.
11/17-2/18	**Project No. H.013193: US 61 Thompson Creek Bridge Replacement-** A P S was tasked thru our DOTD geotechnical retainer to drill and sample a total of eight (8) deep borings for the replacement bridge at US 61 over Thompson Creek. APS tested for strength and engineering characteristics of the soils. Mr. Sai was QA to the Geotechnical Investigations.
11/17-2/18	**Project No. H.002273, H.000710, and H.001352 Comite River Diversion Bridge at LA 67, LA 19 and LA 19 Railroad Bridge LA 67 and LA 19:** A P S was tasked thru our DOTD geotechnical retainer to drill and sample a total of 12 deep borings for the new and replacement bridges at Highway 19, 67, and 964. APS tested for strength and engineering characteristics of the soils. Mr. Sai QA to the Geotechnical Investigations.
11/19-Present	**Project No. H.001352 and H.002273: Comite River Diversion Bridge at LA 67, LA 19 and LA 19 Railroad Bridge LA 67 and LA 19-** A P S was selected with the winning team for the design of the diversion CMAR project. A P S will be theGeotechnical designers for the project. Mr. Sai is the Senior Design Engineer for the project design team. No TO issue as of today
03/19-05/19	**Project No. H.001344: US 190 over Bogue Falaya River-** A P S was selected with the winning team for the Geotechnical Investigation and Design of the proposed new bridge. A total of 19 deep borings were drilled and tested for the foundationrecommendation. Mr. Sai is the Senior Design Engineer for the project design.

16. Staff Experience:

Firm employed by: **A P S ENGINEERING AND TESTING, LLC**				
Name	**MR. SURENDRA RAJ PATHAK, MS, PE**		Years of relevant experience with this employer	5
Title	Staff Engineer		Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization			MSCE (Master of Science in Civil Engineering), Mississippi StateUniversity, Starkville, Mississippi, 2013 M. Sc. Master of Science in Civil Engineering, Norwegian University of Science and Technology,Trondheim, Norway, 2007 B.E. (Civil Engineering), Madan Mohan Malaviya University of Technology, India, 1998	
Active registration number / state / expiration date			0043487/ LA / 09-30-2023	
Year registered	2019	Discipline	Civil	
Contract role(s) / brief description of responsibilities			Staff Engineer-Review field logs, lab data, and Design Engineer	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
09/19-Present	**Project No. H.004100: I-10 Widening LA 415 to Essen LN-** A P S was tasked thru our DOTD geotechnical retainer to drill and sample a total of 52 deep borings starting at the Washington Exit and ending at the LSU lakes. Along with this drillingand sampling APS will also test for strength and engineering characteristics of the soils with. A total of eight (8) over the waterborings and 44 land borings with approximate 1000 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits. Mr. Surendra was the project QC to the Geotechnical Investigations.
08/16-10/19	**Project No. H.012422: I-110 Interchange Modification at Terrace Ave-** A P S was tasked thru our DOTD geotechnicalretainer to drill and sample a total of six (6) deep borings for the design of the Terrace Ave exit. APS tested for strength and engineering characteristics of the soils with approximate 100 Triaxial Compression, Unconsolidated Drained Or Undrained (UU)and Atterberg Limits by A P S Laboratory. Mr. Surendra was QC to the Geotechnical Investigations.
11/17-2/18	**Project No. H.013193: US 61 Thompson Creek Bridge Replacement-** A P S was tasked thru our DOTD geotechnical retainer to drill and sample a total of eight (8) deep borings for the replacement bridge at US 61 over Thompson Creek. APS tested for strength and engineering characteristics of the soils. Mr. Surendra was QC to the Geotechnical Investigations.
11/17-2/18	**Project No. H.002273, H.000710, and H.001352 Comite River Diversion Bridge at LA 67, LA 19 and LA 19 Railroad Bridge LA 67 and LA 19:** A P S was tasked thru our DOTD geotechnical retainer to drill and sample a total of 12 deep borings for the new and replacement bridges at Highway 19, 67, and 964. APS tested for strength and engineering characteristics of the soils. Mr. Surendra was QC to the Geotechnical Investigations.
11/19-Present	**Project No. H.001352 and H.002273: Comite River Diversion Bridge at LA 67, LA 19 and LA 19 Railroad Bridge LA 67 and LA 19-** A P S was selected with the winning team for the design of the diversion CMAR project. A P S will be theGeotechnical designers for the project. Mr. Surendra is a design Engineer for the project design team.

03/19-05/19	**Project No. H.001344: US 190 over Bogue Falaya River-** A P S was selected with the winning team for the Geotechnical Investigation and Design of the proposed new bridge. A total of 19 deep borings were drilled and tested for the foundation recommendation. Mr. Surendra is a design Engineer for the project design team.
12/19-3/20	**Project No. H.010155: US 90 Railroad Overpass SE of LA 85-** A P S was selected with the winning team for the GeotechnicalInvestigation and Design for the proposed new overpass. A total of six (6) deep borings were drilled and tested for Geotechnical recommendation. Mr. Surendra is a design Engineer for the project design team.

17. Firm Experience

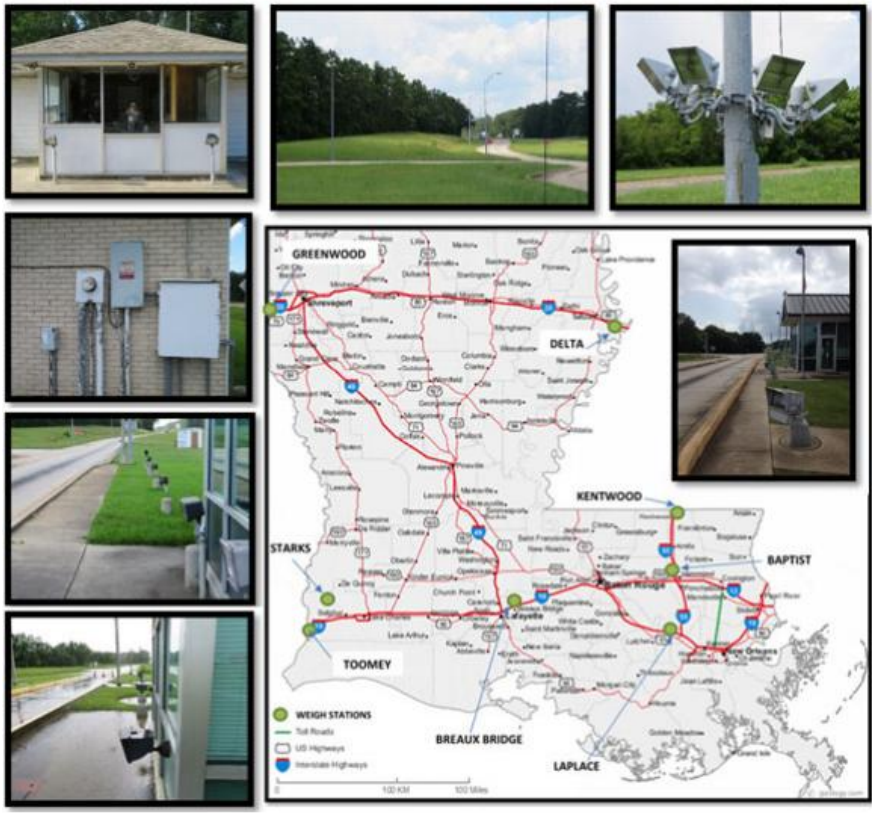
Firm name	**Aillet, Fenner, Jolly & McClelland, Inc.**			Past Performance Evaluation Discipline(s)*	Other
Project name	**Weigh Station Design, Renovation and Upgrade**			Firm responsibility (prime or sub?)	Prime
Project number	H.012182.1	Owner's name	LaDOTD		
Project location	Statewide, LA		Owner's Project Manager	Janet McCoy	
Owner's address, phone, email	LaDOTD, PO Box 94245, Baton Rouge, LA 70804, 225-377-7103, janet.mccoy@la.gov				
Services commenced by this firm (mm/yy)	05/16	Total consultant contract cost ($1,000's)		42	
Services completed by this firm (mm/yy)	11/16	Cost of consultant services provided by this firm ($1,000's)		42	

As part of LaDOTD's Weigh in Motion retainer contract, **AFJMc** was tasked to document the existing conditions of the lighting and electrical equipment for all weigh stations in the state of Louisiana. The Stationary Scales Division within the Louisiana State Police Transportation Safety Services (TSS) was managing the weigh stations during the length of the project. The existing fifteen fixed-site weigh station were inspected and study for upgrade and/or refurbishment needs. Two locations per site were inspected at the Greenwood, Delta, Kentwood, Baptist, LaPlace, Breaux Bridge, and Toomey locations. The Starks location only had one site.

AFJMc services included site visits to conduct assessment and inventory of all existing electrical equipment and conditions. It also included the assessment of the existing site lighting including pole location with fixture type, and exterior/site lighting control. Close coordination with LaDOTD and State Police personnel was maintained during the length project.

A report was prepared based on information derived from the condition assessment of each weigh station. The report documented all findings and provided proposed electrical system improvements for each weigh station including power upgrades, lighting at the stations and in the truck inspection parking areas.

Members involved: Robbin K. Cassity, PE, Elba Urbina-Hamilton, PE



17. Firm Experience

Firm name	**Aillet, Fenner, Jolly & McClelland, Inc.**			Past Performance Evaluation Discipline(s)*	Other
Project name	**Virtual Weigh-in-Motion US HWY 61**			Firm responsibility (prime or sub?)	Prime
Project number	H.012164.5	Owner's name	LaDOTD		
Project location	West Feliciana Parish		Owner's Project Manager	Jeff Brown, P.E.	
Owner's address, phone, email	LaDOTD, 1212 East Hwy Drive, Baton Rouge, LA 70802, 225-379-1305, jeffrey.brown@la.gov				
Services commenced by this firm (mm/yy)	11/18	Total consultant contract cost ($1,000's)		15,248	
Services completed by this firm (mm/yy)	12/19	Cost of consultant services provided by this firm ($1,000's)		15,248	

AFJMc was selected to provide the design of a **Virtual Weigh-In-Motion (VWIM) station**, south of the Louisiana/Mississippi State Line before Taylor Road (approximately 900 feet from the State line). The station was required to weigh both southbound lanes of the US HWY 61 in West Feliciana Parish at the selected location. AFJMc worked together with LaDOTD to select a site with close access to commercial power and broadband connection. The site also needed to have sufficient right-of-way to accommodate electrical equipment including cabinet, poles, and cameras, as well as be able to provide off road access for maintenance. AFJMc also provided electrical and guardrail design for the site to be able to accommodate the **Virtual Weigh-In-Motion station**.

AFJMc tasks for this project included the development of preliminary plan, the development of final plans conforming with all comments from the preliminary stage, the development of specifications and cost estimates. The design criteria for this project was in accordance with the AASHTO, FHWA, DOTD requirements. FHWA **Weigh-in-Motion** guidelines were follow throughout all design stages of the project.
AFJMc also assisted with writing all special specifications required for the **VWIM** part of the project, review shop drawings and responded to Request for Information (RFI) on an as needed basis.

Members involved: Daniel Brown, PE, Elba Urbina-Hamilton, PE, Edie Langley

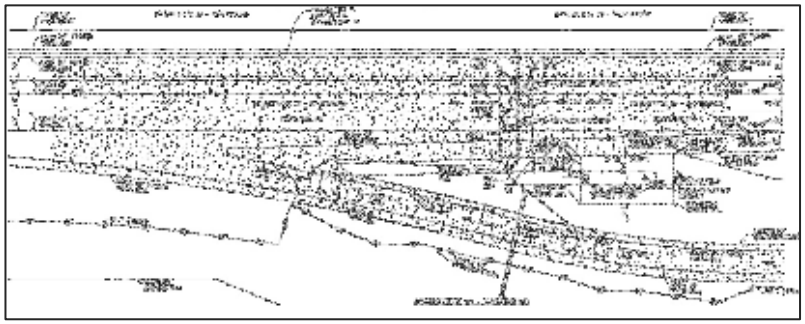
17. Firm Experience

Firm name	**Aillet, Fenner, Jolly & McClelland, Inc.**			Past Performance Evaluation Discipline(s)*	Other
Project name	**I-10: Texas State Line - E. of Coone Gulley,**			Firm responsibility (prime or sub?)	Prime
	WIM Toomey Weigh Station, I-10				
Project number	H.003184.5	Owner's name	LaDOTD		
Project location	Calcasieu Parish, LA		Owner's Project Manager	Jeffery Brown, P.E.	
Owner's address, phone, email	LaDOTD, 1212 East Hwy Drive, Baton Rouge, LA 70802, 225-379-1305, jeffrey.brown@la.gov				
Services commenced by this firm (mm/yy)	02/19	Total consultant contract cost ($1,000's)		50	
Services completed by this firm (mm/yy)	04/20	Cost of consultant services provided by this firm ($1,000's)		50	

AFJMc was selected to provide the design of a **Weigh-In-Motion (WIM) station** relative to the I-10 Texas State Line – E. of Coone Gully project at the Toomey Weigh Station in Calcasieu Parish. The **WIM** plans were incorporated as part of the I-10 widening project from the Texas State Line to east of Vinton. The **WIM** station was required only on the eastbound lanes of I-10 for this project. **AFJMc** worked together with LaDOTD and State Police personnel to select the site that was able to accommodate upgrades and stay within the existing WIM limits. **AFJMc** was able to utilize a site near the Toomey Rest Station for the location of the **WIM** equipment. This site provided access to commercial power, broadband connection, sufficient right-of-way to accommodate electrical equipment including cabinet, poles, and cameras, as well as be able to provide off road access for maintenance. FHWA **Weigh-in-Motion** guidelines were followed throughout all design stages of the project.

Existing WIM scales

AFJMc plans included **WIM** layout plan to include all new **WIM** signs to be installed as part of the project, site plans, and electrical design. Coordination between DOTD designers and **AFJMc** was required during the typical section development for the pavement structure at the location of the sensors, and the location of the overhead transmitter in the median barrier.



New scales to be installed

AFJMc tasks for this project included the development of preliminary and final plans, the development of specifications, the development of cost estimates, the review of shop drawings, and the response to Request for Information (RFI) on an as needed basis.

Members involved: Daniel Brown, PE, Elba Urbina-Hamilton, PE, Edie Langley

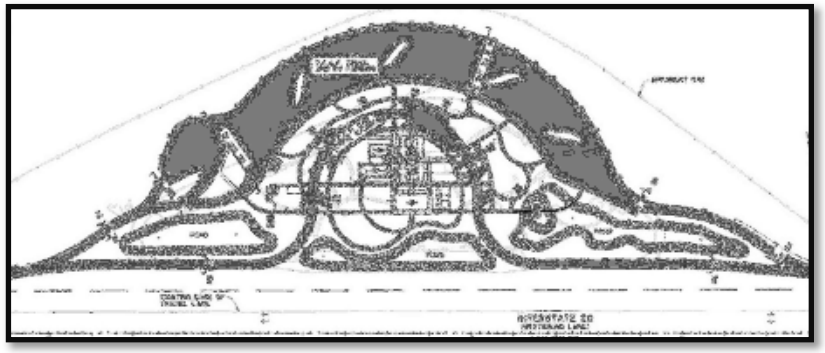
17. Firm Experience

Firm name	**Aillet, Fenner, Jolly & McClelland, Inc.**			Past Performance Evaluation Discipline(s)*	Other
Project name	**Mound Rest Area Improvements, Route I-20**			Firm responsibility (prime or sub?)	Prime
Project number	H.011446.5	Owner's name	LaDOTD		
Project location	Madison Parish LA		Owner's Project Manager	M. Scott Guinn, P.L.A	
Owner's address, phone, email	LaDOTD, 1212 E. Hwy Dr., Baton Rouge, LA 70802, 225-379-1739, scott.guinn@la.gov				
Services commenced by this firm (mm/yy)	11/20	Total consultant contract cost ($1,000's)		432	
Services completed by this firm (mm/yy)	08/21	Cost of consultant services provided by this firm ($1,000's)		401	

As part of LaDOTD's Statewide Facilities and Rest Area retainer contract, **AFJMc** is designing site improvements to the Mound Rest Area on I-20 in Madison Parish. The project consists of new acceleration and deceleration ramps/drives into the rest area, new car and truck parking facilities, site grading and drainage systems with storm water management. The project also includes general site amenities such as pedestrian walkways and a courtyard.

AFJMc, is providing not only civil design services for this project but also structural and electrical designs services. The structural design includes foundation design for overhead structures such as pavilions, covered walkways and the design of wood bridges and bulkhead at pond edges. The electrical design includes converting the site to 3-Phase power, site lighting, CCTV surveillance systems, back-up generator systems, surge protection, and replacing lighting on the interstate ramps.

AFJMc tasks for this project are the development of final plans, the development of specifications, the development of cost estimates, the review of shop drawings, and the response to Request for Information (RFI) on an as needed basis when the project is complete.



Members involved: Daniel Brown, PE, Elba Urbina-Hamilton, PE, Scott Hughes, PE, Paul Comier, PE, Edie Langley, Dennis J. Dean, PE, Alan Fenner, Mark W. Snow, PE

17. Firm Experience

Firm name	**Aillet, Fenner, Jolly & McClelland, Inc.**		Past Performance Evaluation Discipline(s)*	Road	
Project name	**I-49 North**		Firm responsibility (prime or sub?)	Prime	
Project number	SP# H.003886 / SP# H.003496 / SP# H.003495	Owner's name	LaDOTD		
Project location	Caddo Parish, LA		Owner's Project Manager	Joe Umeozulu, PE	
Owner's address, phone, email	PO Box 94245, Baton Rouge, LA 70804 / 225-379-1386 / joachim.umeozulu@la.gov				
Services commenced by this firm (mm/yy)	12/03	Total consultant contract cost ($1,000's)		3,720	
Services completed by this firm (mm/yy)	2/20	Cost of consultant services provided by this firm ($1,000's)		1,862	

I-49 North is Sections J, K1 and K2. AFJMc was responsible for the preliminary and final roadway plans for the revisions to I-220, the Interchange of I-49/I-220, the Interchange at Martin Luther King Drive, the south half of the Interchange at Highway 1, the roadway from I-220 to Highway 1, Martin Luther King Drive and the drainage design, lighting, sewer relocation, and the design of five cul-de-sacs.

Members involved: Elba Urbina-Hamilton, PE, Edie Langley, Scott Hughes, PE, Robbin Cassity, PE, Daniel Brown, PE, Paul Cormier, PE

The I-49 Segment K Phase 2 Interchange with I-220 earned the regional award for "Best Use of Technology & Innovation" from the American Association of State Highway & Transportation Officials (AASHTO).
The $142 million I-49 Interchange project was also awarded the 2020 Louisiana Transportation Conference Excellence Award in the "Roadway/Bridge Construction Project over $10 Million" category.

17. Firm Experience:

Gresham Smith		**Past Performance Evaluation Discipline(s)***	Bridge
Complex Bridge Inspections IDIQ – Task Order #1		**Firm responsibility (prime or sub?)**	Prime
Project number	4400013322	**Owner's name**	Louisiana Department of Transportation and Development
Project location	District 08, 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)	10/19	**Total consultant contract cost ($1,000's)**	$1,318
Services completed by this firm (mm/yy)	Ongoing	**Cost of consultant services provided by this firm ($1,000's)**	$ 387

Task Order #1

Gresham Smith was selected to provide services for a 5-year Complex Bridge Inspection IDIQ contract for DOTD's Bridge Maintenance Section, one of only two firms to provide these complex services on a statewide contract. The inspections are primarily in-depth bridge inspection for fracture critical bridges (primarily trusses) and for large moveable bridges.

Task Order 1 began in late 2019 and includes three major structures:

1. Red River Lift Bridge in Alexandria
2. LA 1 Truss over Atchafalaya River in Simmesport
3. LA 8 Concrete Segmental Bridge in Boyce

The LA 8 Concrete Segmental Bridge inspection incorporated confined space safety related skills including lighting, air monitoring, ventilation and an emergency safety plan. The LA 1 Truss over the Atchafalaya River required concise traffic control details. Rope access was utilized to supplement the Underbridge Inspection vehicle.

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

Firm members involved include: Bert Moore, John Weres, Courtney Rome, Brennon Hughes and Rebecca Murray.

Project Highlights

- Inspection of a major steel truss, a concrete segmental box and a movable bridge.
- Variety of technical skills including structural analysis, maintenance knowledge, and structural integrity.
- Ultrasonic testing of the pins for the truss chords was performed by BDI.

17. Firm Experience:

Gresham Smith		**Past Performance Evaluation Discipline(s)***	ITS
LADOTD, ITS Design and Implementation Services, WO #4: I-10 Twin Spans		**Firm responsibility (prime or sub?)**	Prime
Project number	H.0011503.5	**Owner's name**	Louisiana Department of Transportation and Development
Project location	Orleans & St. Tammany Parishes, Louisiana	**Owner's Project Manager**	Lucy Kimbeng, P.E., PTOE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA / 225.379.1143 / lucy.kimbeng@la.gov		
Services commenced by this firm (mm/yy)	08/15	**Total consultant contract cost ($1,000's)**	$209
Services completed by this firm (mm/yy)	11/18	**Cost of consultant services provided by this firm ($1,000's)**	$209

Gresham Smith developed design plans along with specifications and cost estimates for eight Pan-Tilt-Zoom (PTZ) camera locations, a new Dynamic Message Sign (DMS) and power and communications equipment along an eight-mile segment of I-10 in a crucial evacuation route between New Orleans and Slidell Louisiana. This project included the design for the removal of existing cameras and DMS poles that were installed 10 years ago when the bridge was constructed. This project also utilized the existing conduit originally installed within the structure of the bridge. Detailed structural analyses were performed to ensure that the new camera poles and DMS poles could be installed on the existing foundations within the bridge structure. It also included a new front access LED DMS enclosure, which required the design of a butterfly cantelever structure to support the LED DMS, the first of each to be installed along the interstate system in Louisiana.

Additionally, Gresham Smith incorporated connections from the existing bridge health monitoring equipment to the ITS network and TMCs. Gresham Smith also provided project management and reporting services for the duration of the project. This project stands as a great example of retrofitting new ITS technology along existing infrastructure to create a fully comprehensive ITS system on the Twin Span bridges.

Scope Elements

- Project Management
- Site Assessment
- Plans Development
- Specifications Development
- Estimates Development
- Post Design Support

Nature of firm's responsibility: Prime Consultant; Overall responsibility for entire contract.
Firm members involved include Bert Moore, Christina Florez, Doug Smith, Tait Karlson, Rebecca Murray and John Weres.

17. Firm Experience:

Gresham Smith		**Past Performance Evaluation Discipline(s)***		Road	
SRTS/LRSP Task Order #6 and #21: Endom Bridge			**Firm responsibility (prime or sub?)**		Prime
Project number	H.012279; H.012279.5	**Owner's name**	Louisiana Department of Transportation and Development		
Project location	West Monroe, Louisiana	**Owner's Project Manager**		Laura Riggs, P.E.	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA / 225.379.1143 / laura.riggs@la.gov				
Services commenced by this firm (mm/yy)	12/17	**Total consultant contract cost ($1,000's)**			$251
Services completed by this firm (mm/yy)	12/20	**Cost of consultant services provided by this firm ($1,000's)**			$222

As part of LADOTD's Local Road Safety Program (LRSP) retainer contract, Gresham Smith was tasked to develop operational and safety improvements at the west approach to the Endom Bridge located in West Monroe, Ouachita Parish. After a technical review of this intersection, Gresham Smith was selected to perform engineering and related services to prepare preliminary and final plans for proposed safety and operational improvements to the intersection of Coleman Avenue with North and South Riverfront Streets at the Endom Bridge approach.

The purpose of the improvements is to realign the Coleman Avenue approach to the Endom Bridge to improve intersection sight distance and safety for pedestrians and vehicles. This project will include pedestrian facilities including walking paths long Endom Bridge and the Ouachita River.

Project Highlights

- Milling Asphalt Pavement
- Traffic Maintenance
- Intersection Realignment
- Subsurface Drainage Design
- Truck Island Design
- Improved sight distance and safety

Gresham Smith's responsibilities were to oversee the topographic survey, coordinate with the local municipality, develop preliminary and final design plans to realign the intersection, right-of-way maps, specifications and construction cost estimates. This project was let for construction on December 9, 2020 with the apparent low bid only 5.14% over the estimate.

Nature of firm's responsibility: Prime Consultant; Overall responsibility for entire contract.
Firm members involved include: Bert Moore, Richard Savoie, Brennon Hughes, Ronnie Robinson and Rebecca Murray.

17. Firm Experience:

Firm name	**SJB Group, LLC**		Past Performance Evaluation Discipline(s)*	Right-of-Way	
Project name	**LA 3092: ROUNDABOUT**		Firm responsibility (prime or sub?)	Prime	
Project number	H.012052.5	Owner's name	Louisiana Department of Transportation and Development		
Project location	Calcasieu Parish		Owner's Project Manager	Ryan Reviere	
Owner's address, phone, email	1201 Capitol Access Rd., Baton Rouge, LA 70802 | (225) 379-1071 | ryan.reviere@la.gov				
Services commenced by this firm (mm/yy)	04/21	Total consultant contract cost ($1,000's)		$31.7	
Services completed by this firm (mm/yy)	08/21	Cost of consultant services provided by this firm ($1,000's)		$31.7	

Firm Members Involved: *Patrick Staiano, PLS, Carl Jeansonne, PLS, Colby Mire, Anthony Burns, Trent Iglehart, Matthew Schexnayder, and Elvis Nguyen*
Key Project Components: *Right-of-Way Map, Property Survey, Title take-off*

This project required the construction of a new roundabout at the intersectionof LA Hwy 3092 (West Gauthier Road) and Lake Street in Calcasieu Parish, Louisiana. SJB Group was tasked through retainer contract no. 4400016018 to provide right-of-way surveying services.

A property survey, title take-offs, and a right-of-way map were required for this project. SJB Group performed title research for each affected parcel to prepare a title take-off consisting of the current deed and any maps, plats, etc. to locate the property lines. SJB then prepared a property survey showing property lines for each affected parcel and the existing right-of-way within the project limits.

After the acceptance of the property survey, SJB prepared a 60% base right-of-way map showing the existing right-of-way, the required right-of-way, property lines for the affected parcels, major improvements, metes, and bounds information, and approximate areas of taking for review and approval by LADOTD. Following the joint plan review, SJB proceeded with the preparation of final checkpoints, and ultimately the final right-of-way map and parcel descriptions.

The property survey and right-of-way maps were prepared in MicroStation, and certified in CADConform as is standard for LADOTD deliverables. The parcel descriptions were prepared using COGOWin4 as specified by LADOTD.

17. Firm Experience:

Firm name	**SJB Group, LLC**		Past Performance Evaluation Discipline(s)*	Right-of-Way	
Project name	**BLACKWATER BAYOU BRIDGE**		Firm responsibility (prime or sub?)	Prime	
Project number	H.007963	Owner's name	Louisiana Department of Transportation and Development		
Project location	East Baton Rouge Parish		Owner's Project Manager	Joseph Arreteig	
Owner's address, phone, email	1201 Capitol Access Rd,, Baton Rouge, LA 70802 | (225) 379-1071 | joseph.arreteig@la.gov				
Services commenced by this firm (mm/yy)	06/21	Total consultant contract cost ($1,000's)		$38	
Services completed by this firm (mm/yy)	10/21	Cost of consultant services provided by this firm ($1,000's)		$38	

Firm Members Involved: *Patrick Staiano, PLS, Matt Estopinal, PE, PLS, Trent Iglehart, Matthew Schexnayder*
Key Project Components: *Right-of-Way Map, Property Survey, Title take-off*

This project is located in East Baton Rouge Parish, Louisiana, and requires a replacement of a bridge structure and a diversion road during construction. The project is located along LA Hwy. 410 in East Baton Rouge Parish. SJB Group was tasked through Retainer Contract No. 4400016018 to prepare a right of way map.

The initial property survey, right-of-way map, and title take-offs were done by SJB Group in 2018 under the Retainer Contract No. 4400009165 with DOTD. This project went through design changes, which halted the project temporarily, and ultimately significantly changed the required taking.

SJB performed title research for each affected parcel to prepare a title take-off consisting of the current deed and any maps, plats, etc. used to locate the property lines. SJB then prepared a property survey showing property lines for each affected parcel and the existing right-of-way within the project limits.

After the acceptance of the property survey, SJB prepared a 60% base right-of-way map showing the existing right-of-way, the required right-of-way, property lines for the affected parcels, major improvements, metes, and bounds information, and approximate areas of taking for review and approval by LADOTD. Following the joint plan review of the base right-of-way maps, SJB proceeded with the preparation of final check prints, and ultimately the final right-of-way map and parcel descriptions. The property survey and right-of-way maps were prepared in MicroStation, and certified in CADConform as is standard for LADOTD deliverables. The parcel descriptions were prepared using COGOWin4 as specified by LADOTD.

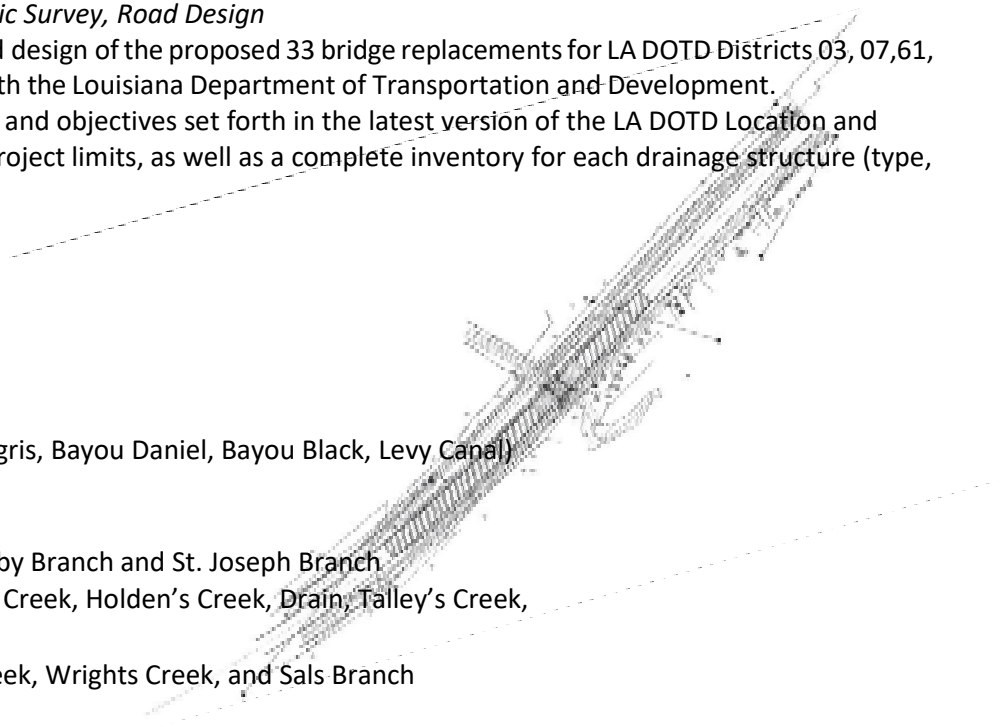
17. Firm Experience:

Firm name	**SJB Group, LLC**		Past Performance Evaluation Discipline(s)*	Right-of-Way	
Project name	**RURAL BRIDGE REPLACEMENT INITIATIVE**		Firm responsibility (prime or sub?)	Sub-consultant	
Project number	Contract No. 4400017597	Owner's name	Louisiana Department of Transportation and Development – Sub to BKI		
Project location	Districts 03, 07, 61, and 62		Owner's Project Manager	Rene Chopin	
Owner's address, phone, email	P.O. Box 19087, New Orleans, LA 70179 | (504) 486-5901 | rchopin@bkiusa.com				
Services commenced by this firm (mm/yy)	08/20	Total consultant contract cost ($1,000's)	$2.5		
Services completed by this firm (mm/yy)	Current	Cost of consultant services provided by this firm ($1,000's)	$1.2		

Firm Members Involved: *Patrick Staiano, PLS; Carl Jeansonne, PLS; Colby Mire, Anthony Burns, Trent Iglehart, and Matthew Schexnayder*
Key Project Components: *Right-of-Way Map, Property Survey, Topographic Survey, Road Design*
SJB Group performed topographic surveys, right-of-way mapping, and road design of the proposed 33 bridge replacements for LA DOTD Districts 03, 07,61, and 62 as a sub-consultant to Burk-Kleinpeter, Inc. within their contract with the Louisiana Department of Transportation and Development.
The topographic surveys were completed in accordance with all principles and objectives set forth in the latest version of the LA DOTD Location and Survey Manual. Each site requires a complete topographic survey of the project limits, as well as a complete inventory for each drainage structure (type, size, length, and invert), and cross-sections of all drainage ways.
Property surveys and right-of-way mapping are also a part of this project.

State Project Numbers and descriptions are as follows:

- H.013952 - St. Landry Parish - Jessie B Rd. over Bayou Mallet
- H.013963 - Cameron Parish - LA384: Canal Bridge
- H.013966 - St. Martin Parish - LA 32: Creek Bridges
- H.013968 - Iberville Parish - LA 404: Bayou and Canal Bridges (Bayou Tigris, Bayou Daniel, Bayou Black, Levy Canal)
- H.013970 - Cameron Parish - LA0717 - Klondike Canal and Bayou
- H.013976 - Evangeline Parish - LA0376 - Bayou
- H.013982 - St. Helena Parish - LA1042 over Creek & LA 10 Spur over Raby Branch and St. Joseph Branch
- H.013984 - St. Tammany and Washington Parishes - LA0016 at Wrights Creek, Holden's Creek, Drain, Talley's Creek, and Berry's Creek
- H.013996 - Washington Parish - LA1075 at Drain, LA1074 at Talley's Creek, Wrights Creek, and Sals Branch
- H.013997 - St. James Parish - Local Road at Borrow Pit



17. Firm Experience:

Firm name	**A P S Engineering And Testing, LLC**		Past Performance Evaluation Discipline(s)*	GEOTECH	
Project name	**I-10 Widening LA 415 to Essen LN**		Firm responsibility (prime or sub?)		Prime
Project number	H.004100	Owner's name	LaDOTD		
Project location	Baton Rouge, LA		Owner's Project Manager	Kristy Smith, P.E.	
Owner's address, phone, email	1201Capitol Access Rd., Baton Rouge, La. 70802-4438 225-379-1016, Kristy.Smith2@la.gov				
Services commenced by this firm (mm/yy)	09/19	Total consultant contract cost ($1,000's)		N/A	
Services completed by this firm (mm/yy)	On-going	Cost of consultant services provided by this firm ($1,000's)		$400	

Geotechnical investigation to provide client with the necessary information for planning and de sign I - 10 widening. A P S was tasked thru our DOTD geotechnical retainer to drill and sample a total of 52 deep borings starting at the Washington Exit and ending at the LSU Lake S. Along with this drilling and sampling, A P S will also test for strength and engineering characteristics of the soils. A total of eight (8) over the water borings and 44 land borings with approximate 1000 triaxial compression, unconsolidated drained or undrained (UU) and Atterberg limits.

Members involved:

Engineering
Sergio Avile S, P. E . - Project Manager
Sai Eddanapudi, M. E . , P. E.- Project Engineer
Surendra Raj Pathak, M. S. , P. E.- Staff Engineer

Laboratory Testing
Sergio Aviles, PE, QA/ QC
Sai Eddanapudi, M. E . , P. E., QA/ QC

Drilling
Melvin Vasquez - Driller Tech
Van George - Drille R
Eric Bateaste- Driller

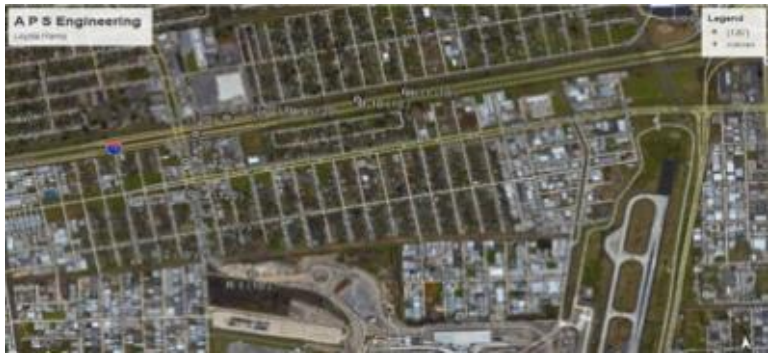
Similarities to Professional Geotechnical Services IDIQ	
X	Geotechnical Explorations (GE)
X	Geotechnical Design (GD)
X	Geotechnical Construction (GC)
X	Topographic Survey (LC)
	Constructability
X	Contract Management (CM)

17. Firm Experience:

Firm name	**A P S Engineering And Testing, LLC**		Past Performance Evaluation Discipline(s)*	GEOTECH	
Project name	**I-10 Loyola Interchange Improvements**		Firm responsibility (prime or sub?)		Prime
Project number	H.011670	Owner's name	LaDOTD		
Project location	Jefferson Parish, LA		Owner's Project Manager	Kristy Smith, P.E.	
Owner's address, phone, email	1201Capitol Access Rd., Baton Rouge, La. 70802-4438 225-379-1016, Kristy.Smith2@la.gov				
Services commenced by this firm (mm/yy)	06/18	Total consultant contract cost ($1,000's)		N/A	
Services completed by this firm (mm/yy)	10/18	Cost of consultant services provided by this firm ($1,000's)		$300	

Geotechnical investigation to provide client with the necessary information for planning and design of a new interchange to connect to the new airport terminal. A total of 33 borings were completed by APS. Over 500 atterbergs, hydrometer, and UU were tested by A P S with consolidation tests. LADOTD tasked this project to A P S with accelerated program to meet their bidding deadline. APS was successful to meet LADOTD ahead of their deadline and under budget to help keep the project on track.

SIMILARITIES TO PROFESSIONAL GEOTECHNICAL SERVICES IDIQ	
X	Geotechnical Explorations (GE)
	Geotechnical Design (GD)
	Geotechnical Construction (GC)
X	Topographic Survey (LC)
	Constructability
X	Contract Management (CM)



Members Involved:

Engineering

Sergio Aviles, PE, Project Manager / Sai Eddanapudi, ME, PE, Project Engineer / Surendra Pathak, MS, PE, Staff Engineer

Laboratory Testing

Sergio Aviles, PE - QA/QC / Sai Eddanapudi, ME, PE- QA/QC / Shafia Nazneen - Lab Manager / Donna E Asterly- Lab Assistant Manager Cindy Falks- Lab Tech

Drilling

Melvin Vasquez - Driller Tech Van George – Driller /Eric Bateaste- Driller Oscar Johnson- Driller Tech / Trenton Anderson- Driller Tech

17. Firm Experience:

Firm name	**A P S Engineering And Testing, LLC**		Past Performance Evaluation Discipline(s)*		GEOTECH
Project name	**I-10 West of LA 108 to I-210 Interchange**		Firm responsibility (prime or sub?)		Prime
Project number	H.009620	Owner's name	LaDOTD		
Project location	Calcasieu Parish, LA		Owner's Project Manager	Kristy Smith, P.E.	
Owner's address, phone, email	1201 Capitol Access Rd., Baton Rouge, La. 70802-4438 225-379-1016, Kristy.Smith2@la.gov				
Services commenced by this firm (mm/yy)	12/17	Total consultant contract cost ($1,000's)			N/A
Services completed by this firm (mm/yy)	02/18	Cost of consultant services provided by this firm ($1,000's)			$54k

Geotechnical investigation to provide client with the necessary information for planning and design of a new interchange and widening the existing road. A total of four deep borings were completed by A P S. Over 50 atterbergs, hydrometer, and UU were tested by A P S with consolidation tests. LDOTD tasked this project to A P S with accelerated program to meet their bidding deadline. A P S was successful to meet LaDOTD ahead of their deadline and under budget to help keep the project on track.

Members Involved:

Engineering

Sergio Aviles, PE, Project Manager
Sai Eddanapudi, ME, PE, Project Engineer
Surendra Raj Pathak, MS, PE, Staff Engineer

Laboratory Testing

Sergio Aviles, PE- QA/ QC
Sai Eddanapudi, ME, PE, QA/ QC
Shafia Nazneen, Lab Manager
Donna E Asterly, Lab Assistant Manager
Cindy Falks, Lab Tech

Drilling

Melvin Vasquez - Driller Tech
Van George - Driller
Eric Bateaste- Driller
Oscar Johnson- Driller Tech
Trenton Anderson- Driller Tech

SIMILARITIES TO PROFESSIONAL GEOTECHNICAL SERVICES IDIQ

X	Geotechnical Explorations (GE)
X	Contract Management (CM)

18. Approach and Methodology:

BACKGROUND:

Aillet, Fenner, Jolly and McClelland, Inc. has assembled a team (the AFJMc Team) which includes staff that has extensive experience with the environmental process, and the design of roadways, statewide facilities, and ITS equipment in the state of Louisiana. Several of our team members have worked in combination with LADOTD to successfully implement weigh station condition assessments, and to design new weigh in motion facilities in Louisiana. They have produced preliminary and final plans in the past six years for several weigh in motion systems.

We have strategically selected team members with the experience and project specific knowledge to successfully expedite the completion of the different task orders that this IDIQ contract may involve. Our team members have already provided this type of services in this RFP for the LADOTD and will utilize this past project experience to seamlessly move new projects forward.

STAGE 0: Feasibility Studies

It is anticipated that one of the first steps under this contract would be an existing conditions assessment of the weigh stations to fully understand what components of the weigh stations are functional, need repair or need to be replaced. This assessment will assist in the development of preliminary alternatives and cost estimates for the rehabilitation of these existing weigh stations. Additionally, within these initial steps, we will complete the Stage 0 Environmental Checklist and the Preliminary Scope and Budget Checklist.

STAGE 1: Planning / Environmental

During this stage, the AFJMc team will perform a detailed evaluation of the existing conditions at the different weigh stations sites. The team will assist DOTD with selection of the site that is most suitable to be developed initially. The team will focus on understanding the existing conditions and deficiencies of the weigh station selected. The team will develop alternatives for the site, and document impacts to both the human and natural environment. A preferred alternative will be selected and any mitigation for environmental impacts identified.

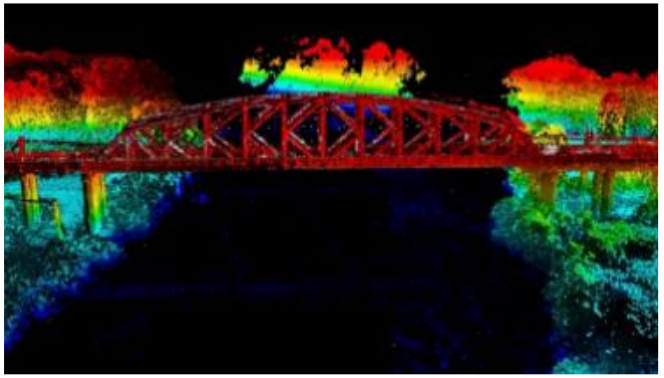
STAGE 3: Design

The preferred alternative for each weigh station site may vary from one project to another based on the results of the Planning and Environmental Stage. The AFJMc team is confident that every unique aspect of each project will be delivered in an efficient and cost-effective manner. One unique tool that we are proposing to utilize within this project that will set our team apart from our competitors is that we plan to utilize a Concept of Operations (ConOps) Workshop within the preliminary design phase of this project. The ConOps Workshop will be held with all pertinent stakeholders from all agencies that will include staff that will own, operate and/or maintain these weigh stations. This workshop will help our team develop a clear understanding of the project and stakeholder needs, which is an essential component of a successful design.

From the ConOps Workshop we will be able to define the operational needs, stakeholder responsibilities, operational scenarios, proposed system concept, justification, validation plan, and alternatives analysis. The ConOps Workshop allows the project to relate directly to the stakeholder needs. The information from the ConOps Workshop will be used as the basis for the design, development of the functional and operational requirements specific to the project, including assisting the team with identifying equipment that will meet these operational requirements.

During the design process, the AFJMc Team will establish design criteria that will be followed during the life of the project. These parameters will help setting the proposed typical sections, hydraulic constraints, right of way and existing utility impacts, topography limits and any other design and construction impacts.

After the initial site visit, our team will complete a full topographic survey covering the project limits. Our team has capabilities to supplement topographic surveying and Right-Of-Way surveying as well, should it be required within any of the task orders. In addition to these surveying capabilities, we also have at our disposal cutting edge surveying equipment. We will use a combination of LiDAR scanners (both aerial and mobile), high-definition cameras, and GPS technology on a mobile platform such as a survey crew truck, drone, or helicopter to collect survey data at a much faster speed and in a much safer manner than traditional surveying methods. This combination of tools will allow our team to collect existing condition data for the weigh stations without impacting the traffic along the interstates and highways. This will minimize the impact of our work on the traveling public and improve safety for the traveling public, weigh station personnel and our team.



If the design or rehabilitation of structures is needed, our structural staff is experienced in the inspection and design of structural members and trusses. Our structural staff have performed these duties for the LADOTD Bridge Maintenance section for both complex bridge structures, movable bridges and trusses and cantilevers.

STAGE 4: Construction Proposal Services

The AFJMc Team brings extensive experience in the preparation of construction proposal documents in accordance with DOTD's standard practices. As part of this stage, a final construction estimate using DOTD's standard bid items will be prepared and submitted to DOTD. Having a realistic opinion of probably cost is vital to the planning for the final stage of the project implementation.

Following DOTD's award of the construction contract, the AFJMc Team will prepare the construction contract, and will submit them for execution and distribution once approved.

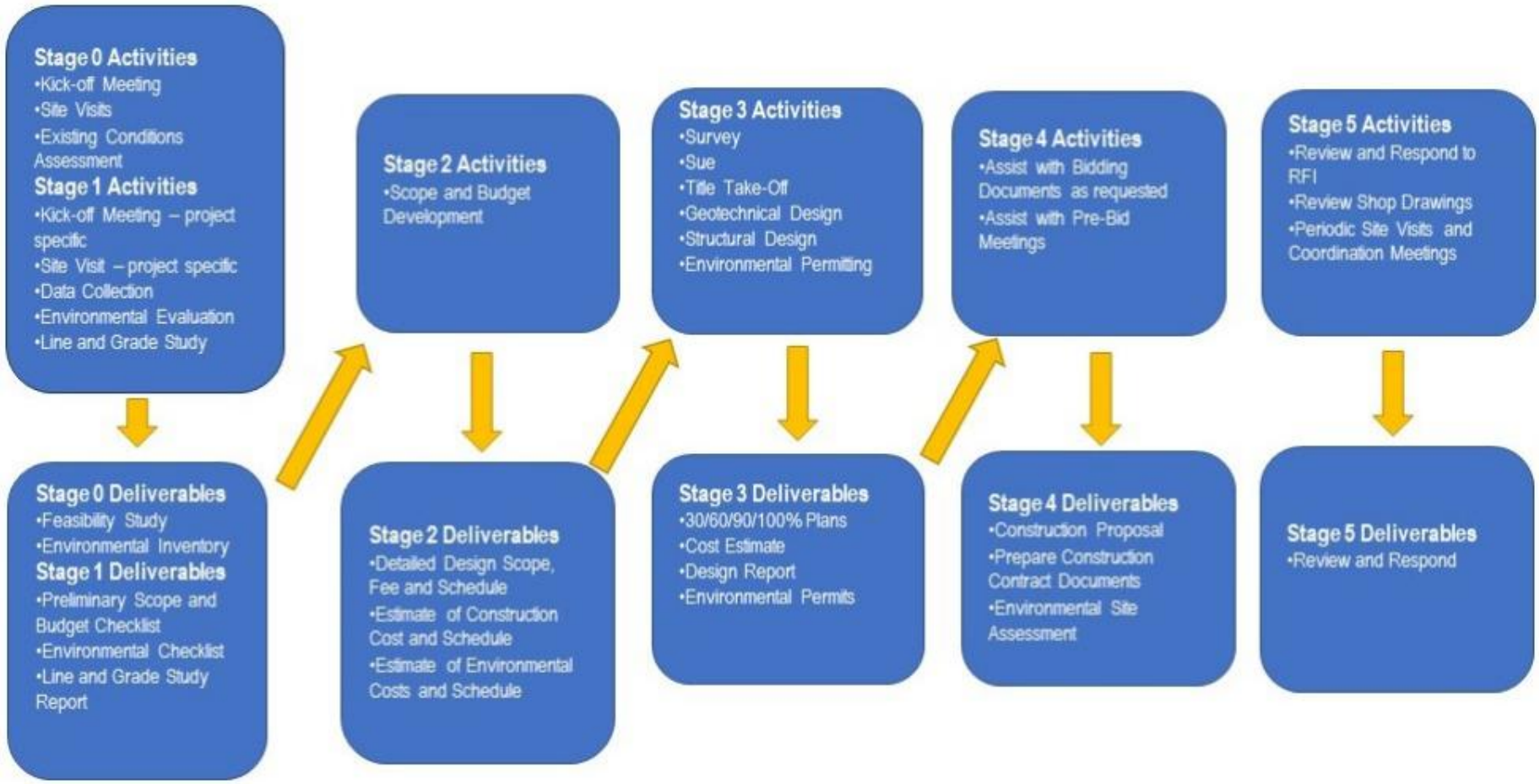
STAGE 5: Construction

Our services would continue after the project is let. We will review the construction bid in comparison with the Engineers Construction Cost Estimate and look for any outliers which may cause to believe there may be issues with the bid. We will respond to Requests for Information (RFI's) that concern plans or specifications within forty-eight (48) hours. Our team will be available to assist LADOTD with pre-approved information meetings with the contractor within twenty-four (24) hour notice. We will also respond to minor design changes and plan/specification corrections within seven (7) calendar days.

As part of the construction stage, our team will actively review all shop drawings and equipment submittals and if required we will provide the structural shop drawing review during construction also. Construction support services are routinely provided by the project team, and we will bring our expertise to make sure that the final stages of the project run smoothly. While inspection services are not included in the scope of services, the AFJMc team will represent LADOTD's interests during construction while periodically monitoring construction activities.

Sample Schedule

Understanding that a detailed schedule is difficult to prepare for an IDIQ contract without knowing specific details of the project, we have put together a work breakdown structure below. The work breakdown indicates the relevant task order activities that we anticipate will be required on most projects.



19. Workload:

Firm(s)	Past Performance Evaluation Discipline(s) *	State project number	Project name	Remaining Unpaid Balance**
AFJMc		SP 700-99-0436 SP 700-99-0444 FAP # SRS-9907(518)	Retainer Contract for Safe Routes To School Local Road Safety Program Dist. 04, 05, 08 & 58 **(*Individual task orders listed below)**	
AFJMc	Road	H.006618	High School Drive Sidewalk Improvements, Vernon Parish	$3,606
AFJMc	Road	H.006619	Louisiana Avenue Sidewalk Improvements, Vernon Parish	$0
AFJMc		Contract Nos. 4400011225 & 4400012382	Sub-Consultant to Huval & Associates Retainer Contract for Bridge Preservation Engineering Services Statewide, IDIQ Contract for Bridge Preservation **(*Individual task orders listed below)**	
AFJMc	Other	H.010000.5-2	US 171 Bridge Navigational Lighting, Lake Charles, LA	$9,962
AFJMc		Contract No. 4400016477	IDIQ Contract for Statewide Facilities and Rest Area Engineering Services, Statewide **(*Individual task orders listed below)**	
AFJM	Other	H.972448.1	DOTD Central Repair Shop (Heavy Repair Shop Addition) Take Order 3	$7,480
AFJMc	Other	H011446.5	Mound Rest Area, Madison Parish	$114,739
AFJMc	Road	H.010616.5 Contract No. 44-17293	Sub-Consultant to Neel Schaffer I-20/LA544 Overpass Replacement	$24,015

DO NOT SUM

* The only past performance evaluation disciplines to be used are: Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other. If a firm has more than one past performance evaluation discipline for any single project, the firm can use multiple rows to express the remaining unpaid balance per evaluation discipline.

** Round to the nearest dollar. **Do not** round to the nearest thousands. If there are no active contracts with a remaining unpaid balance, place N/A in the Remaining Unpaid Balance column. LEAVING THE "REMAINING UNPAID BALANCE" COLUMN BLANK IS NOT ACCEPTABLE.

Prime consultant name: **AILLET, FENNER, JOLLY & McCLELLAND, INC.**

19. Workload:

Firm(s)	Past Performance Evaluation Discipline(s) *	State project number	Project name	Remaining Unpaid Balance**
Gresham Smith	Traffic	H.12018.5	Lafayette Adaptive Traffic Signals	$183,003
Gresham Smith	Road	H.013271.5-2	LRSP/SRTA Tangipahoa Striping and Signage (For Construction Support Services)	$7,414
Gresham Smith	Road	H.012279.5	LRSP/SRTS Endom Bridge Construction Support Supplement	$4,326
Gresham Smith	Road	H.012527.5	LRSP/SRTS West Feliciana Signs, Striping and Guardrail	$3
Gresham Smith	CE&I/OV/ITS	H.011500.6	Lake Charles ITS Phase 3	$39,711
Gresham Smith	CE&I/OV/ITS	H.012381.6	Fiber Optic Mapping and Management Services – Lafayette, West Baton Rouge, Point Coupee, St. Landry and Rapides	$46,071
Gresham Smith	Bridge	H.009730.5	Complex Bridge Inspection TO#4	$184,018
Gresham Smith	Road	H.013763.5	LRSP Signs and Striping – Vernon and Sabine Parishes	$1
Gresham Smith	Road	H.013720.5	LRSP Signs and Striping – Bonner Street Bridge Pedestrian Improvements	$17,154
Gresham Smith	Road	H.013767.5	LRSP Signs and Striping – St. Landry and St. Martin Parishes	$106,093
Gresham Smith	CE&I/OV/ITS	H.009308.6	TO#1 New Orleans DPW SRTS Sidewalk Project	$38,538

19. Workload:

Firm(s)	Past Performance Evaluation Discipline(s) *	State project number	Project name	Remaining Unpaid Balance**
SJB Group, LLC	OTHER	Contract #: 2000464908	DBE Supportive Services – Region A (2020 – 2023)	60,955
SJB Group, LLC	CPM	H.013579.6	Pecue Lane/I-10 Interchange II – East Baton Rouge Parish	4,292
SJB Group, LLC	CPM	H.009620.6	I-10: West of LA 108 to I-210 Interchange – Calcasieu Parish	2,179
SJB Group, LLC	CPM	H.012901.6	US 90Z (Magnolia St. – Bodenger Blvd) – Orleans Parish	14,944
SJB Group, LLC	CPM	H.002375.6	Amite R. Br Near French Settlement – Livingston Parish	39,886
SJB Group, LLC	CPM	H.010018.6	I-10: NO East Drain Canal Bridge Replace – Orleans Parish	40,238
SJB Group, LLC	CPM	H.003184.6	I-10: Texas State Line – E. of Coone Gully – Calcasieu Parish	164,826
SJB Group, LLC	CPM	H.012588.6	I-10: Atch Basin Br – W Baton Rouge P/L – Iberville Parish	35,030
SJB Group, LLC	CPM	H.001234.6	LA 1: Port Allen Canal Br Repl (Ph1) (HBI) – West Baton Rouge Parish	60,450
SJB Group, LLC	CPM	H.000665.6	UP R.R. Overpass Near Bonita (HBI) – Morehouse Parish	64,768
SJB Group, LLC	Survey	H.011310.5	Ford Street Extension – East Baton Rouge Parish	6,771
SJB Group, LLC	Survey	H.004100	I-10: LA 415 to Essen on I-10 and I-12 – East Baton Rouge Parish	81,148
SJB Group, LLC	Survey	H.012685.5	LA 385: Ryan Street Intersection IMPRS – Calcasieu Parish	229,080
SJB Group, LLC	Survey	H.009300.5	Hooper Road Widening (LA 3034-LA 37) – East Baton Rouge Parish	164,073
SJB Group, LLC	Survey	H.014752.5	LA 3021: Dual Turn Lanes @ LA 39 – Orleans Parish	119,663
SJB Group, LLC	Other	H.009300.5	Hooper Road Widening (LA 3034-LA 37) – East Baton Rouge Parish	37,135
Burk-Kleinpeter (Prime) SJB Group, LLC (Subconsultant)	Survey/Road	H.013952; H.013963; H.013966; H.013968; H.013982; H.013984; H.013996; H.013976; H.013997; H.013970	Contract No. 44-17597 16 State Project Numbers (33 Structures) Rural Bridge Replacement Initiative, Districts 03,07,61, and 62	206,430

19. Workload:

Firm(s)	Past Performance Evaluation Discipline(s) *	State project number	Project name	Remaining Unpaid Balance**
A P S	GEOTECH	H.013127	Retainer Contract for Geotechnical Services	$53,996.00
A P S	GEOTECH	H.013144	Retainer Contract for Geotechnical Services	$45,457.00

20. Certifications/Licenses:

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

Certifications/Licenses are attached.

AFJMc
Licenses and Certifications

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

Ms. Elba A. Urbina

License/Certificate Type - Number	Expiration Date
PE.0034364	03/31/2023

Status: Active

AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION

This is to affirm that

ELBA HAMILTON

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Expiration Date: 2/18/2025 State Issued In: LA

Debbie Barnette

Verification available by calling 1-877-642-3637 or at http://www.flagger.com

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

NHI NATIONAL HIGHWAY INSTITUTE

Certificate of Training

ELBA HAMILTON

has participated in

FHWA-NHI-380096 Modern Roundabouts: Intersections Designed for Safety

hosted by

LA DOTD/LTRC

Date: *April 11, 2017* ***Hours of Instruction:*** 6.5

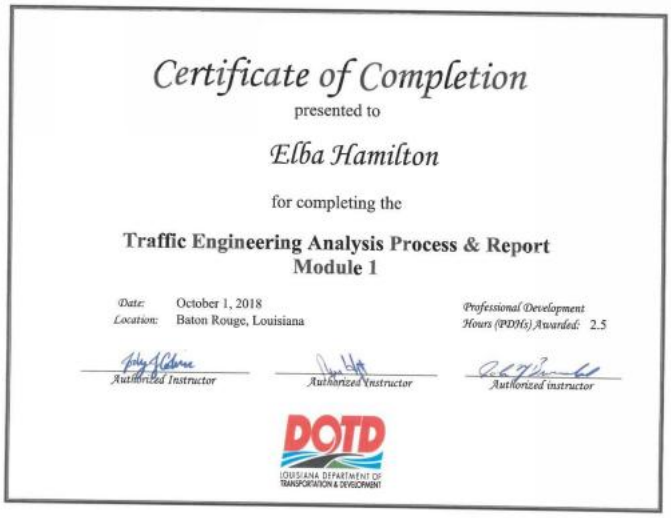
Location: *Baton Rouge, LA*

Instructor

Allison H. Landry
Local Coordinator

Instructor

Valerie Briggs
Valerie Briggs, Director
National Highway Institute



Certificate of Completion

presented to

Elba Hamilton

for completing the

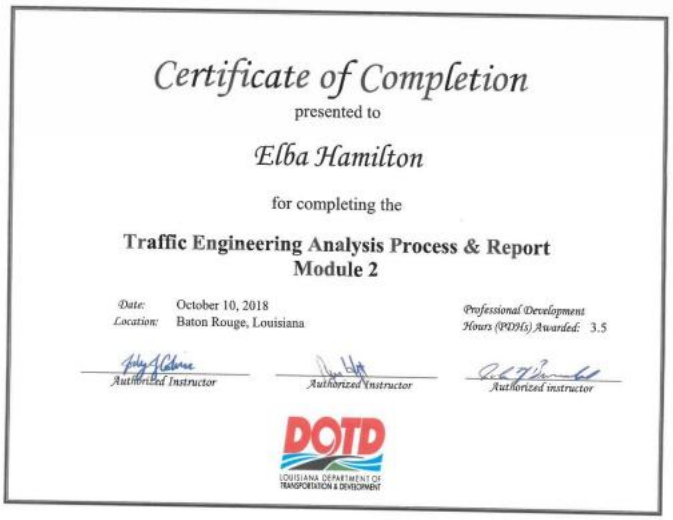
Traffic Engineering Analysis Process & Report
Module 1

Date: October 1, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 2.5

Authorized Instructor *Authorized Instructor* *Authorized Instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Elba Hamilton

for completing the

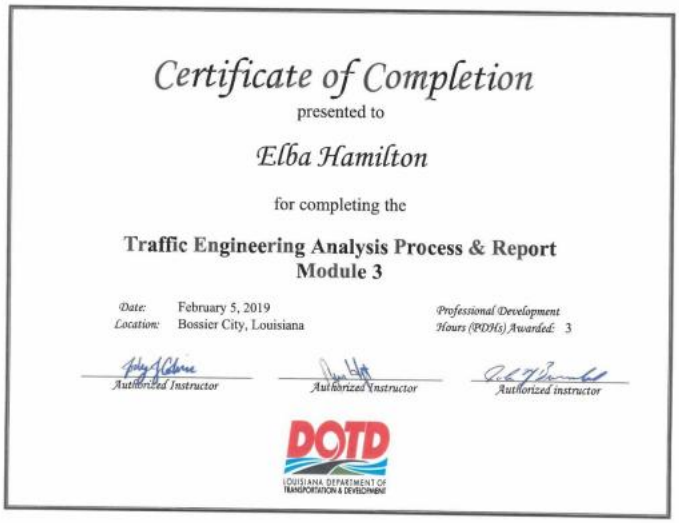
Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 3.5

Authorized Instructor *Authorized Instructor* *Authorized Instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Elba Hamilton

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: February 5, 2019
Location: Bossier City, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized Instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

The American Traffic Safety Services Association

Hereby recognizes that

Elba U Hamilton

has attended

Traffic Control Supervisor Refresher-LA State Specific

Training Course

3/15/2019 to 3/15/2019
Date

Shreveport, LA
Location

ATSSA SAFER ROADS SAVE LIVES

Training & Products Dept. Director

President, CEO

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

Mr. Dennis James Dean

License/Certificate Type - Number: PE.0031606

Expiration Date: 03/31/2023

Status: Active

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

Mr. Daniel Wayne Brown

License/Certificate Type - Number: PE.0041687

Expiration Date: 09/30/2023

Status: Active

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

Mr. Jerry Daniel Thompson

License/Certificate Type - Number: PE.0035628

Expiration Date: 09/30/2022

Status: Active

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

Mr. Matthew J. Wallace

License/Certificate Type - Number: PE.0025922

Expiration Date: 09/30/2023

Status: Active

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

Mr. Mark William Snow

License/Certificate Type - Number: PE.0024203

Expiration Date: 03/31/2024

Status: Active

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

Mr. Paul Brian Cormier

License/Certificate Type - Number: PE.0027019

Expiration Date: 03/31/2023

Status: Active

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

Mr. Robbin K. Cassity

License/Certificate Type - Number: PE.0026059

Expiration Date: 03/31/2024

Status: Active

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

Mr. Scott Michael Hughes

License/Certificate Type - Number: PE.0029045

Expiration Date: 09/30/2022

Status: Active

Gresham Smith
Licenses and Certifications

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

Mr. Herbert Eugene Moore II

License/Certificate Type - Number	Expiration Date
PLS.0005043	09/30/2022

Status: Active

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

Mr. Herbert Eugene Moore II

License/Certificate Type - Number	Expiration Date
PE.0031065	09/30/2022

Status: Active

Certificate of Training

PRESENTED BY

Louisiana Local Technical
Assistance Program

TO CERTIFY THAT

Bert Moore

HAS SATISFACTORILY COMPLETED 3 PROFESSIONAL DEVELOPMENT HOURS IN:

Regional Crash Data Workshop

Director of Louisiana LTAP Center

February 23, 2017
Date

Baton Rouge, Louisiana
Location

U.S. Department of Transportation
Federal Highway Administration

RESOURCE CENTER

Certificate of Completion

BERT MOORE

has successfully completed the course entitled:

Designing Pedestrian Facilities for Accessibility (DPFA)

Location: Baton Rouge, Louisiana
Dates: May 08-09, 2017

Hours of Instruction enhancing Professional Development: 12 hrs

Patrick E. Gomez
Civil Rights Specialist
Federal Highway Administration

Ted Green
Professional Engineer
New Jersey LTAP

Certificate of Training

PRESENTED BY

The National Cooperative Research Program

TO CERTIFY THAT

Herbert Moore

HAS SATISFACTORILY COMPLETED 20 HOURS OF TRAINING IN:

Highway Safety Manual Workshop
NCHRP 17-38

Karen K. Dixon, PhD, P.E.
Ida van Schalkwyk, PhD
Larry F. Sutherland, P.E.
Instructors

DOTD

December 1-3, 2010
Date

Baton Rouge, Louisiana
Location

Certificate of Completion

presented to

Bert Moore

for completing the

Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 4

Authorized Instructor | *Authorized Instructor* | *Authorized Instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Bert Moore

for completing the

Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 4

Authorized Instructor | *Authorized Instructor* | *Authorized Instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Bert Moore

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: October 18, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | *Authorized Instructor* | *Authorized Instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

The American Traffic Safety Services Association

Hereby recognizes that

Herbert Moore

has attended

Traffic Control Supervisor Refresher-LA State Specific

Training Course

4/13/2019 to 4/13/2019
Date

New Orleans, LA
Location

ATSSA
SAFER ROADS SAVE LIVES

Training & Products Dept. Director

President, CEO

ATSSA
SAFER ROADS SAVE LIVES

6/4/19

444200
Mr. Herbert Moore
Gresham Smith & Partners
10000 Perkins Rowe
Ste 280
Baton Rouge, LA 70810-1306
US

Dear Mr. Moore,

The American Traffic Safety Services Association (ATSSA) appreciates your participation in our Traffic Control Supervisor Refresher-LA State Specific course held in New Orleans,LA. Your certificate of attendance is enclosed.

You received a passing grade of 85.00% on the final examination. Congratulations on your successful completion of this course.

Please call us at 877-642-4637 if you have any questions.

Sincerely,

Training and Business
Development Department

~ Educated Employees Do Save Lives ~

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

Mr. John Steven Weres

License/Certificate Type - Number
PE.0036429

Expiration Date
09/30/2023

Status: Active

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

John Weres
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

6/30/2021 to 6/30/2025
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA

ATSSA American Traffic Safety Services Association ATSSA.com

I UNITED STATES OF AMERICA XI

DEPARTMENT OF TRANSPORTATION ▪ FEDERAL AVIATION ADMINISTRATION

IV NAME
JOHN STEVEN WERES

V ADDRESS 13301 HARPER CT
GULFPORT MS 39503-5458

U

VI NATIONALITY USA	SEX	HEIGHT	WEIGHT	HAIR	EYES
IVa D.O.B. 2 APR 1957	M	67	180	GRAY	BROWN

IX HAS BEEN FOUND PROPERLY QUALIFIED TO EXERCISE THE PRIVILEGES OF

A

II REMOTE PILOT

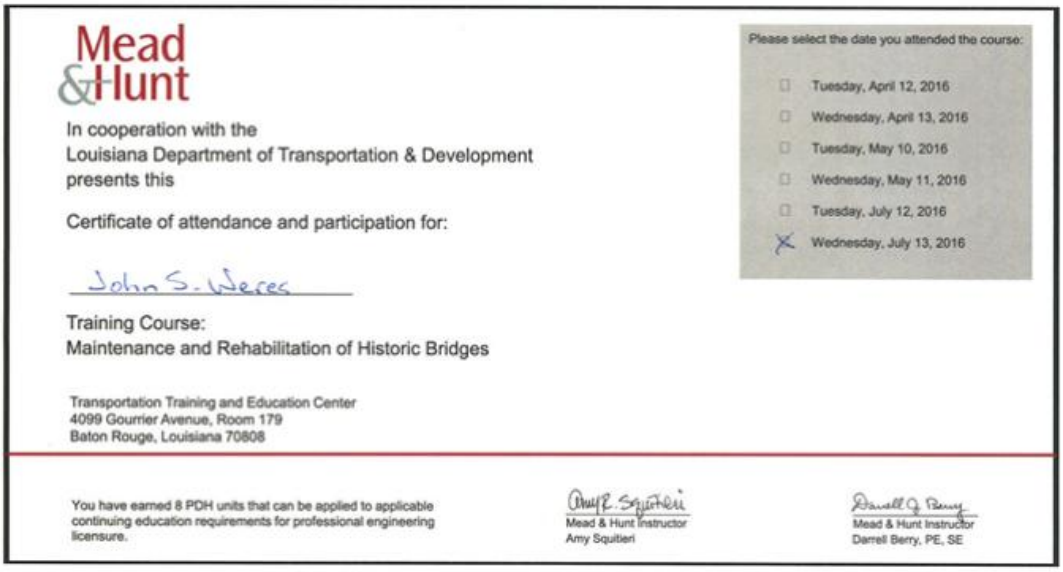
III CERTIFICATE NUMBER 4496172

X DATE OF ISSUE 29 MAR 2021

S

XIV

VIII ADMINISTRATOR



Mead & Hunt

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

Certificate of attendance and participation for:

John S. Weres

Training Course:
Maintenance and Rehabilitation of Historic Bridges

Transportation Training and Education Center
4099 Gourrier Avenue, Room 179
Baton Rouge, Louisiana 70808

Please select the date you attended the course:

- ☐ Tuesday, April 12, 2016
- ☐ Wednesday, April 13, 2016
- ☐ Tuesday, May 10, 2016
- ☐ Wednesday, May 11, 2016
- ☐ Tuesday, July 12, 2016
- ☒ Wednesday, July 13, 2016

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

Mead & Hunt Instructor
Amy Squitieri

Mead & Hunt Instructor
Darrell Berry, PE, SE

LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(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

Expiration Date
09/30/2023

Status: Active

Certificate of Completion

This is to cerifiy 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

GARVER

09/28/2016
Authorized Signature Date

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 C. Johnson, PE, CFM
Instructor

U.S.Department of Transportation
Federal Highway Administration

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

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
Chuck Boyd, P.E.

Date 4-13-16

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

NHI 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*
Location: *Little Rock, AR*

Hours of Instruction:
Each Day of Training = 7 Hours

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute

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 Gourrier 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.

Mead & Hunt Instructor
Amy Squitieri

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

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

Ms. Christina Marie Florez

License/Certificate Type - Number
PE.0038799

Expiration Date
09/30/2022

Status: Active

Certificate of Completion

presented to

Christina Florez

for completing the

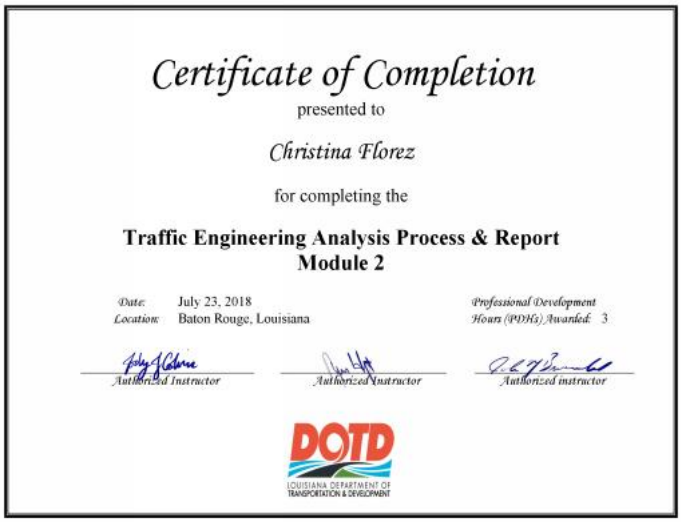
Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized Instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Christina Florez

for completing the

Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized Instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Christina Florez

for completing the

Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor *Authorized Instructor* *Authorized Instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

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

Mr. Brennon Gilbert Hughes

License/Certificate Type - Number	Expiration Date
PE.0039985	03/31/2024

Status: Active

Certificate of Attendance

presented to

Brennon Hughes

for attending

Advanced Highway Safety Manual Training –
Interactive Highway Safety Design Model (IHSDM)

16 Professional Development Hours

June 5-6, 2018

Baton Rouge, Louisiana

Authorized Instructor _____

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

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

Mrs. Rebecca L. Murray

License/Certificate Type - Number
PE.0043788

Expiration Date
03/31/2024

Status: Active

ATSSA
SAFER ROADS SAVE LIVES

AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION

This is to affirm that

Rebecca Murray

has satisfied the requirements to be designated as a
CERTIFIED FLAGGER

Expiration Date ~~2/8/2024~~ *State Issued in* ~~LA~~

Instructor Signature

Verification available by calling 1-877-642-4637 or at http://www.flagger.com

---

The American Traffic Safety Services Association

Hereby recognizes that

Rebecca LaPorte

has attended

Traffic Control Supervisor-LA State Specific

Training Course

1/13/16 to 1/14/16
Date

Baton Rouge, LA
Location

ATSSA
SAFER ROADS SAVE LIVES

Training & Products Dept. Director

President, CEO

The American Traffic Safety Services Association

Hereby recognizes that

Rebecca Murray

has attended

Traffic Control Supervisor Refresher-LA State Specific

Training Course

2/14/2020 to 2/14/2020
Date

Baton Rouge, LA
Location

ATSSA
SAFER ROADS SAVE LIVES

Training & Products Dept. Director

President, CEO

Certificate of Completion

presented to

Rebecca LaPorte

for completing the

Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor *Authorized Instructor* *Authorized Instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Rebecca LaPorte

for completing the

Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized Instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Rebecca LaPorte Murray

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized Instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

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

Mr. Douglas Roy Smith Jr.

License/Certificate Type - Number
PE.0043689

Expiration Date
03/31/2024

Status: Active

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

Mr. Richard Linton Savoie Jr.

License/Certificate Type - Number
PE.0020936

Expiration Date
09/30/2022

Status: Active

ATSSA
SAFER ROADS SAVE LIVES
American Traffic Safety Services Association

This is to affirm that

JACKSON HARTLEY

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 1/24/2022

Exp. Date 1/24/2026

State Issued LA

V0000039454

Debbie Purcella
Instructor Name

Debbie Purcella
Instructor Signature

Verify at Flagger.com

SJB Group
Licenses and Certifications

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

Mr. Wilfred B. Barry

License/Certificate Type - Number: PE.0017452
Expiration Date: 03/31/2024
Status: Active

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

Mr. Wilfred B. Barry

License/Certificate Type - Number: PLS.0004612
Expiration Date: 03/31/2024
Status: Active

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

Mr. Matthew Samuel Estopinal

License/Certificate Type - Number: PE.0039151
Expiration Date: 03/31/2023
Status: Active

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

Mr. Matthew Samuel Estopinal

License/Certificate Type - Number: PLS.0004955
Expiration Date: 03/31/2023
Status: Active

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

Mr. Carl Anthony Jeansonne Jr.

License/Certificate Type - Number: PLS.0004543
Expiration Date: 03/31/2023
Status: Active

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

Mr. Patrick Carl Staiano

License/Certificate Type - Number: PLS.0005130
Expiration Date: 09/30/2023
Status: Active

APS
Licenses and Certifications

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

Mr. Sergio L. Aviles

License/Certificate Type - Number
PE.0033571

Expiration Date
03/31/2024

Status: Active

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

Mr. Surendra Raj Pathak

License/Certificate Type - Number
PE.0043487

Expiration Date
09/30/2023

Status: Active

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

Mr. Sairam Venkata Eddanapudi

License/Certificate Type - Number
PE.0035129

Expiration Date
03/31/2024

Status: Active

RTA

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

LOUISIANA UNIFIED CERTIFICATION PROGRAM

Disadvantaged Business Enterprise Program (DBE)

Small Business Element (SBE)

This is to certify that under Title 49, Part 26 of the Code of Federal Regulations & under the State of Louisiana United Certification Program (LAUCP)

APS Engineering & Testing, LLC.

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

NC221310, NC221320, NC541330, NC541370, NC541380, NC541620, NC541690

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

Certificate Eligibility: October 2021 to October 2022

This certificate is valid through the above date provided. This firm meets the on-going programmatic standard and fulfills the annual update requirement to remain in good standing as a DBE. This certification is subject to annual verification and suspension or revocation based upon reasonable cause to believe that the firm is ineligible.

Rhonda Wallace

Rhonda Wallace, DBE/SBE Programs Manager

Louisiana Department of Transportation & Development

21. QA/QC Plan and/or Work Plan:

If the advertisement requires submission of a QA/QC plan or Work plan, include them here. Otherwise, leave this section blank.

QA/QC is attached.

TABLE OF CONTENTS

1.0 INTRODUCTION TO THE BRIDGE DESIGN QC/QA PLAN

Although Gresham Smith is a subconsultant to Aillet, Fenner, Jolly, & McClelland, Inc (AFJM); Gresham Smith will lead the structural design tasks. Therefore, the structural QA/QC efforts will be led by Gresham Smith and the Gresham Smith plan will be implemented. Gresham Smith, AFJM and any subconsultants assisting on the project.

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 LA DOTD'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 LA DOTD projects. This QC/QA Plan has been developed with respect to both the LA DOTD and GRESHAM SMITH policies specifically for the IDIQ Contract for Weigh Station Assessment, Rehabilitation and Plan Development.

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

The LA DOTD policy is well aligned with GRESHAM SMITH's QC/QA program. One key difference in the two policies is that the LA DOTD 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 LA DOTD's staff and from review of the LA DOTD's Bridge QC/QA policy, it is apparent that the primary expectation is that consulting engineers contracting with the LA DOTD take full responsibility for their submittals at all stages of the bridge design process. By the assignment of this responsibility, the LA DOTD'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 LA DOTD's Bridge Task Manager will be responsible for the following project tasks, as described in the LA DOTD's Bridge QC/QA policy:

- Develop the bridge design scope of work, labor estimate, 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/rating 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 LA DOTD 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, LA DOTD 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 LA DOTD'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 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 LA DOTD 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 LA DOTD 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 LA DOTD 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 LA DOTD 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 (Richard Savoie, 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, including subconsultants. 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 LA DOTD 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 calculations 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 an engineering intern, the Discipline Review will be completed by an experienced professional engineer. This approach is in compliance with LA DOTD 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 and 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.

The overall Project Manager for AFJM will also perform a inter-discipline review to ensure that the structure plans properly align with the overall project scope and details developed by other team members.

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 LA DOTD, assuring that all 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 John S. Weres, PE, the Louisiana Bridge Manager for GRESHAM SMITH. A separate Engineer of Record may be assigned for a particular miscellaneous structure or hydraulic design at a later time, but we would consult with DOTD prior to that assignment.

3.0 PRE-PLANNING ACTIVITIES

Both the LA DOTD'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 LA DOTD's checklist. The design criteria document will be submitted to the LA DOTD 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 LA DOTD'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 (LA DOTD and GRESHAM SMITH), Quality Assurance forms (LA DOTD 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 LA DOTD's QC/QA policy, revisions in the design criteria will be forwarded to the LA DOTD 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 LA DOTD's preferences and file naming requirements as established in the LA DOTD'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 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 LA DOTD 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 LA DOTD 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 and MDX will serve as the primary design software with RC-Pier and ConSpan, and /or hand calculations utilized as necessary for various design and analysis components. MIDAS would be utilized for any complex geometry or required finite element analysis, but this is not anticipated for this project.

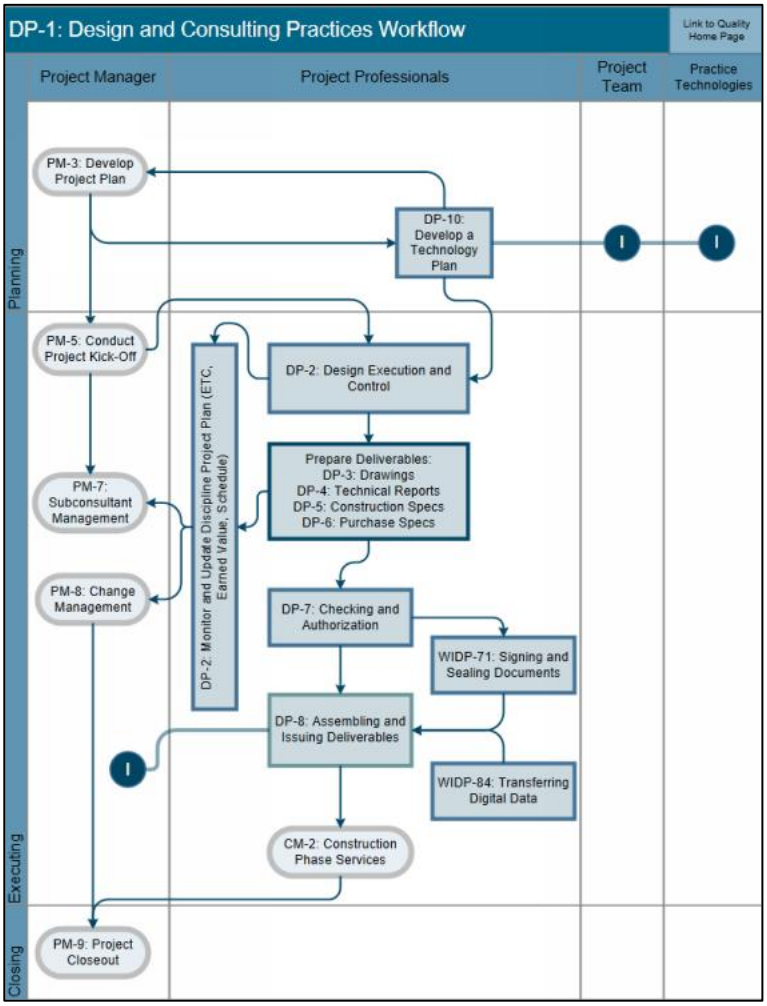
4.0 QUALITY CONTROL AND QUALITY ASSURANCE REVIEWS

4.1 Design Deliverable Activities

The following are the key anticipated milestones for this project:

- Survey
- Hydraulic 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 LA DOTD 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 LA DOTD-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 LA DOTD-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 LA DOTD 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 LA DOTD'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 LA DOTD'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 design 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 LA DOTD quality audits at their request.

APPENDIX A – PROJECT PRE-PLANNING GUIDANCE & FORMS

- *LA DOTD Design Criteria Checklist*
- *LA DOTD Project Activity Log Sheet*
- *LA DOTD Consultant Project Bridge Design Kick-Off Meeting Agenda Checklist*
- *GRESHAM SMITH PM-2 Assigning Project Roles & Responsibilities (Page 1 of 12)*
- *GRESHAM SMITH PM-3 Developing/Updating a Project Plan (Page 1 of 9)*
- *GRESHAM SMITH PMF-11 Project Plan Summary*
- *GRESHAM SMITH SS-1 Developing a Safety & Security Plan (Page 1 of 10)*
- *GRESHAM SMITH WIPM-31 Developing a Quality Plan Page (1 of 7)*

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.

APPENDIX J—PROJECT ACTIVITY LOG SHEET

Project No.:

Project Name:

Bridge Task Manager:

Date	Project Activity	Comments

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.)

Gresham Smith

Quality Management System

QMS Process Section: Planning and Managing Work	Revision: 4 Date: 06SEP2018	Number: PM-2
Procedure: Project Roles and Responsibilities	Approval: McGormley/Wharton	Page: 1 of 9

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

1. Authority: The assigned power or right to give instructions or make decisions.
2. Project Role: The project-specific job description assigned to an employee.
3. Responsibility: A functional duty or obligation of an employee or employees by the nature of their assigned project role. Responsibility cannot be shared or delegated.
4. Roles
   a. Assistant Project Manager (APM): The APM position works with project managers (PM) in managing the project from the fee proposal stage through close-out. This position will work with project managers in creating, maintaining and communicating all aspects of the Project Plan, monitoring

Gresham Smith

Quality Management System

QMS Process Section: Planning and Managing Work	Revision: 4 Date: 03JUN2019	Number: PM-3
Procedure: Developing/Updating a Project Execution Plan	Approval: John Wharton	Page: 1 of 10

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 plan. This procedure addresses the project activity after award of the project and prior to the kick-off meeting.

B. SCOPE

1. This procedure forms the core of the planning process and shows the relationship between the project execution plan 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 project execution plan element is intended to be scalable to match the size and complexity of the project.
3. Note: The Project Execution Plan is a living document; The PM should update and re-issue the Plan throughout the project duration as changes occur.

C. DEFINITIONS

1. Agreement: The contractual instrument between the Client and Gresham Smith.
2. Digital Data: AIA E203 defines Digital Data as "information, including communications, drawings, specifications and designs, created or stored for the Project in digital form." The term Digital Data includes the Model, CAD files, Word files, Excel files, and PDF files.
3. Qualified Reviewer: A person who has experience directly relevant to the project he/she is being asked to review, and who demonstrates the technical capabilities to perform as a checker. Ideally, the qualified reviewer has designed and/or been in responsible charge of a project very similar in nature, scope and complexity.
4. Quality Assurance (QA): Part of quality management focused on providing confidence that quality requirements as defined in our QMS will be fulfilled. It is aimed at preventing errors and building in quality throughout the process. This

Gresham Smith

Quality Management System

QMS Forms: Project Execution Plan	Revision: 6 Date: 03JUN2019	Number: PMF-31	Page: 1 of 1

Project Information			
Project Name/Location:	ABC Facility and Site Expansion		
Client:	ABC Company, LLC		
Project Manager:	Jones	PX:	Anderson
Gresham Smith Project Numbe	12365.05	Gresham Smith Responsibility:	Prime
Date Prepared:	7-Jan-2019	Revision Date:	

	Form of Plan/Document:	Describe Location of Plan or Details or Link:
1 Agreements		(Overwrite folder link if necessary)
Agreement: Client	Gresham Smith Standard	\\global.gsp\data\nf\cg_nf02\1236505\04PM\01ProjPlan\01Agrmnts
Digital Data Agreement: Client	AIA E203, Digital Model Execution Plan	\\global.gsp\data\nf\cg_nf02\1236505\04PM\01ProjPlan\01Agrmnts
Agreement: Subconsultants	Gresham Smith Standard	\\global.gsp\data\nf\cg_nf02\1236505\04PM\01ProjPlan\01Agrmnts
Digital Data Agrmnt: Subconsultant	AIA E203, Digital Model Execution Plan	\\global.gsp\data\nf\cg_nf02\1236505\04PM\01ProjPlan\01Agrmnts
Digital Data Agrmnt: 3rd Party	Gresham Smith Waiver	\\global.gsp\data\nf\cg_nf02\1236505\04PM\01ProjPlan\01Agrmnts
Amendments/Changes:	Located in Agreements folder	\\global.gsp\data\nf\cg_nf02\1236505\04PM\01ProjPlan\01Agrmnts
Invoicing Process:	Gresham Smith Standard	\\global.gsp\data\nf\cg_nf02\1236505\04PM\00Financial
2 Risk Management Plan		
Risk Management Plan:	See tab RMF41	\\global.gsp\data\nf\cg_nf02\1236505\04PM\01ProjPlan\02RiskMgmt
3 Staffing Plan / Roles and Responsibilities		
Staffing Plan:	See tab PMF21	\\global.gsp\data\nf\cg_nf02\1236505\04PM\01ProjPlan\03TeamR&R
4 Scope of Services		
Scope of Services:	Scope incorporated into Agreement	\\global.gsp\data\nf\cg_nf02\1236505\04PM\01ProjPlan\04Scope
5 Schedule and Deliverables		
Project Schedule:	Located in Schedule folder	\\global.gsp\data\nf\cg_nf02\1236505\04PM\01ProjPlan\05Schedule
Team Meetings:	Every Two Weeks	\\global.gsp\data\nf\cg_nf02\1236505\04PM\01ProjPlan\05Schedule
6 Budget		
Budget Plan:	Budget Breakdown in Vision	\\global.gsp\data\nf\cg_nf02\1236505\04PM\01ProjPlan\06Budget
Earned Value:	Earned Value in Vision	\\global.gsp\data\nf\cg_nf02\1236505\04PM\01ProjPlan\06Budget
7 Work Breakdown		
Work Breakdown Structure:	See Vision	\\global.gsp\data\nf\cg_nf02\1236505\04PM\01ProjPlan\07WBS
8 Quality Plan		
Quality Assurance Plan:	Gresham Smith QMS procedures	\\global.gsp\data\nf\cg_nf02\1236505\04PM\01ProjPlan\08Quality
Quality Control Plan:	See tab PMF32	\\global.gsp\data\nf\cg_nf02\1236505\04PM\01ProjPlan\08Quality
Subconsultant Quality Plan:	Subs follow our QC Plan	\\global.gsp\data\nf\cg_nf02\1236505\04PM\01ProjPlan\08Quality
Client Quality Process:	No Special Client Requirements	\\global.gsp\data\nf\cg_nf02\1236505\04PM\01ProjPlan\08Quality
9 Technology Plan		
Document Management:	Gresham Smith Standard - NewForma	\\global.gsp\data\nf\cg_nf02\1236505\04PM\01ProjPlan\09PracticeTech
Technology Validation Plan:	See tab DPF101	\\global.gsp\data\nf\cg_nf02\1236505\04PM\01ProjPlan\09PracticeTech
Digital Model Execution Plar	Located in PracticeTech folder	\\global.gsp\data\nf\cg_nf02\1236505\04PM\01ProjPlan\09PracticeTech
10 Safety & Security Plan		
Safety & Security Plan:	See tab SSF11	\\global.gsp\data\nf\cg_nf02\1236505\04PM\01ProjPlan\10Safety
11 Sustainability Plan		
Sustainability Plan:	See tab PMF33	\\global.gsp\data\nf\cg_nf02\1236505\04PM\01ProjPlan\11Sustainability

Gresham Smith

Quality Management System

QMS Process Section: Safety and Security	Revision: 1 Date: 06SEP2018	Number: SS-1
Procedure: Developing a Safety & Security Plan	Approval: John Wharton	Page: 1 of 10

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 risks, evaluation of the probability and severity of those risks, and potential plans to mitigate or eliminate the risk. The Safety & Security Plan is one of the tools for the Project Manager to plan and execute the project.

B. SCOPE

1. This procedure applies to all projects and provides the standard template for capturing all issues related to Safety and Security.

2. Safety & Security Management begins during the "Pursuing" phase – before a proposal has been submitted – and continues throughout the life-cycle of the project. The major efforts will 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 risks that may arise, and monitoring for compliance to the plan.

3. The intent is to address all elements of the project that are included in our scope – including work in the home office, client's site, and construction site. Guidance is provided for typical scenarios, but is not to be considered comprehensive.

4. The plan requires the PM to identify issues that are beyond the scope of "typical" hazards for which the majority of our staff will have been trained. 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. The PM is not expected to identify every possible hazard.

Gresham Smith

Quality Management System

QMS Process Section: Planning and Managing Work	Revision: 3 Date: 03JUN2019	Number: WIPM-31
Work Instruction: Developing a Quality Control Plan	Approval: John Wharton	Page: 1

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.

C. DEFINITIONS (See QM-7: Definitions)

1. Formal Check: Types of Formal Checking Include: Off-Team Discipline QC Check, Cross-Discipline Coordination (CDC) Check, Constructability Check
2. Quality Assurance (QA)
3. Quality Control (QC)
4. Quality Assurance (QA) Plan
5. Quality Control (QC) Plan
6. Quality Management System (QMS)
7. 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.
8. Scope of Services (SOS)
9. Self-Check
10. Work Breakdown Structure (WBS)

APPENDIX B – DISCIPLINE & INTER-DISCIPLINE QC FORMS

- *LA DOTD Final Calculation Book Checklist*
- *LA DOTD Off-System Guidelines – Survey Checklist – Not Anticipated*
- *GRESHAM SMITH DP-7 Checking and Authorization (Page 1 of 13)*
- *GRESHAM SMITH DP-10 Developing a Technology Plan (Page 1 of 5)*
- *GRESHAM SMITH DPF-71 QC Check Cover Sheet (Pages 1 & 2 of 2)*

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

Gresham Smith

Quality Management System

QMS Process Section: Design and Consulting Practices	Revision: 2 Date: 06SEP2018	Number: DP-7
Procedure: Document Checking and Authorization	Approval: J. Wharton	Page: 1

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.
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 Checks are strongly recommended prior to each Formal Issue, 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 Owner 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 a cover sheet DPF-71 as evidence that the check took place and provide the signed copy to the GS&P Project Manager for each Formal Issue.

C. DEFINITIONS

1. Authorization: Individual's signature or initials on a document indicating the document is approved for Formal Issue.

Gresham Smith

Quality Management System

QMS Process Section: Design and Consulting Practices	Revision: 2 Date: 06SEP2018	Number: DP-10
Procedure: Developing a Technology Plan	Approval: J. Wharton	Page: 1

A. PURPOSE

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

B. SCOPE

1. This procedure applies to all projects in Gresham Smith.
2. The Technology Plan is the minimum requirement: however, many projects will require a Digital Model Execution Plan.
3. This procedure addresses the use of the following types of software products:
    a. Commercially licensed software
    b. Vendor-supplied software
    c. Client-supplied or Client-mandated software
    d. In-house developed software
    e. Excel Spreadsheets used to impact design or deliverables
    f. Public domain software
    g. New Versions/Updates to any of the above
4. This procedure does not apply to software that is developed by Gresham Smith for use outside of Gresham Smith. Software developed for external use must be approved by the MVP and CFO.
5. This procedure does not apply to technology that is being used only to record data or information. For example, an Excel spreadsheet that is used to create a table of information.

C. DEFINITIONS

1. Commercial product: A product available for sale on the commercial market that provides results that we will use to impact our deliverables.
2. In-House Developed Software: Software developed by Gresham Smith that is not to be transferred outside of Gresham Smith. (Software developed for transference outside of Gresham Smith requires corporate approval.)

Quality Management System

QMS Forms: QC Check Cover Sheet	Revision: 2 Date: 06SEP2018	Number: DPF-71	Page: 1

Project Information			
Project Name/Location:			
Client:			
Project Manager:		PX:	
Gresham Smith Project Number:		Date Prepared:	
Project Professional:		Discipline:	
Submittal Description:		Submittal Date:	
Qualified Reviewer:		Constructability Reviewer:	

Off-Team Discipline QC Check – Signature Block		
Action:	**Signature:**	**Date:**
Submitted by Project Professional:		
Checked by Qualified Reviewer:		
Resolved by Project Professional:		

Cross-Discipline Coordination Check – Signature Block			
Discipline Designation	**Originating PP: Confirm Review (Signature)**	**Discipline Designation**	**Originating PP: Confirm Review (Signature)**
Choose an item.		Choose an item.	
Choose an item.		Choose an item.	
Choose an item.		Choose an item.	
Choose an item.		Choose an item.	
Choose an item.		Choose an item.	
Originating Discipline Resolved and Back-Checked Comments:			
Resolved By PP:		Date:	

Constructability Check – Signature Block		
Action:	**Signature:**	**Date:**
Submitted by Project Professional:		
Checked by Constructability Reviewer:		
Resolved by Project Professional:		

Note: Completed Forms are to be stored digitally in the Newforma Folder: 04PM\01ProjPlan\08Quality

Project Professional's Notes to Reviewer(s)

Documents to be Checked in this review (PP to List or Attach List)	
Document Name/Description (Drawings, Reports, Specs, Calculations, etc.)	**Revision/Date**

Supporting Documents (PP to List or Attach List)	
Document Name/Description (Design Basis, Code Analysis, AHJ Comments)	Revision/Date

APPENDIX C – INDEPENDENT PEER REVIEW BRIDGE QC FORMS

Not Required for this Bridge Project.

APPENDIX D – QUALITY ASSURANCE & DELIVERABLE RELEASE RECORD FORMS

- *LA DOTD QA Information Package Checklist*
- *LA DOTD QC/QA Certification*
- *LA DOTD Consultant Submittal QC/QA Certification*
- *GRESHAM SMITH QM-5 Internal Project Auditing (Page 1 of 11)*
- *GRESHAM SMITH QMF-52 Corrective Action Report Form (Page 1 of 1)*
- *GRESHAM SMITH WIDP-71 Signing and Sealing Documents (Page 1 of 18)*

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

Gresham Smith

Quality Management System

QMS Process Section: Quality Management	Revision: 1 Date: 15SEP2017	Number: QM-5
Procedure: Internal Project Auditing	Approval: John Wharton	Page: 1 of 11

A. PURPOSE

To define the steps for internal auditing of projects. Audits are conducted to verify conformance to process definitions, procedures, work instructions, and policies, in order to determine the effectiveness of the Quality Management System.

B. SCOPE

This procedure applies to internal audits only, and covers the complete audit process, from identification of the need for an internal audit, method of conducting an audit, reporting of audit findings, to completion of follow-up on corrective actions.

Internal audits are generally scheduled in advance, but an unscheduled audit 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 Quality or Market Vice President.

C. DEFINITIONS

1. Audit Terms:
    a. Complete: All information is provided and filed properly in the project directory. All form blanks requesting information are addressed, or identified as "Not Applicable". All actions are performed according to the relevant procedure or work instruction.
    b. Partially Complete: Information is entered that is meaningful for a portion of the document that is being audited, but other relevant parts of the document are incomplete or incorrect.
    c. Maintained: Documents have been created, and have been updated as the project has changed or evolved with time. For example, the project plan and the 11 modules that supplement the project plan are created at the beginning of the project, and those documents – especially schedules – frequently require maintenance as things change.

Gresham Smith

Quality Management System

QMS Process Section: Quality Management	Revision: 2 Date: 06SEP2018	Number: QMF-52
QMS Forms: Corrective Action Report	Approval: Wharton	Page: 1 of 1

Project Name/Location:	Project Name		
Client Name:	Client Name		
Project Manager:	Name	PX:	Name
Auditor's Name:	Name	Gresham Smith Project No:	00000.00
Auditee's Name:	Name	Gresham Smith Office:	Choose an item.
Project Phase being audited:	Choose an item.	Date Prepared:	5-Jan-2017

Note: Turn on "Review" "Track Changes" to allow tracking of Comments and Signatures

Auditor's Description of Non-Conformance *(Include a list of Project documents that do not conform to QMS Requirements, and list QMS documents that address the requirements)*				
Auditee Proposed Corrective Action Plan:	Comply with Procedure, Non-Conformance will be Corrected:			☐ Yes ☐ No
	Recommend a Change to the Procedure (Explain Below):			☐ Yes ☐ No
	Other (Explain Below):			☐ Yes ☐ No
Auditor Response:	Corrective Action Plan Approved:			☐ Yes ☐ No
	Corrective Action Plan Disapproved:			☐ Yes ☐ No
Corrective Action Completed (Auditee):	Signature:		Date:	
Corrective Action Confirmed (Auditor):	Signature:		Date:	
Director of Quality Response:	Follow-up Action Required:			☐ Yes ☐ No
	Procedure Revision to be Implemented:			☐ Yes ☐ No

Gresham Smith

Quality Management System

QMS Process Section: Design and Consulting Practices	Revision: 1 Date: 06SEP2018	Number: WIDP-71-EX4
Work Instruction: Signing and Sealing Documents: Exhibit 4 – Issuing Digitally Certified Documents	Approval: Wharton/Munkel	Page: 1 of 4

Process for Creating "Digitally Certified" Documents

1. PP: Before applying seals and signatures, create a "backup" folder and store copies of PDFs to be sealed. The signing process sometimes has glitches and creating a backup can avoid having to re-publish PDFs from CAD.
2. PP: Apply the electronic seal image.
    a. Method 1: Apply the electronic seal image and date in the native format (CAD or Revit) file. Generate the PDF file with the seal embedded. Be sure to use the correct PDF naming convention.
    b. Method 2: Apply the electronic seal image in the PDF after the PDF has been generated from the native format (CAD or Revit) file. This is done in Adobe Reader DC using the "Stamp" tool. Select "Tools", then "Stamp". Click on the "Stamp" icon in the top banner. From the drop-down list, select "Seal". If you created a custom stamp (See Exhibit 3), it will appear as an image. Drag the image to the correct location and click to place it.

3. PP: Apply the date (If the date was not already placed in the native format file prior to creating the PDF file): In Adobe Reader click "Tools", then click "Comment". Click on the text box symbol T. Then place the text box on the PDF file. The date normally goes below the professional seal, but be sure to check the state licensing laws and policies to ensure you are complying. Insert the appropriate date in the text box. The box should be formatted with no border.
3. PP: Place the digital signature/certificate on each document:

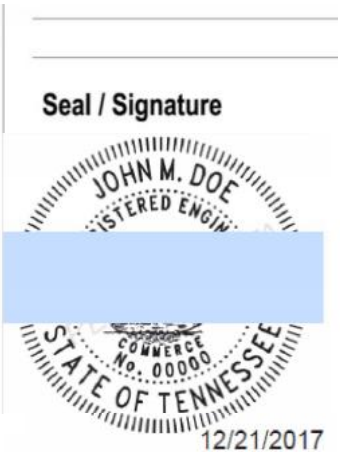
    Note: If you are using the Entrust verification system, insert your USB token with the Entrust Certificate into a USB port now.

    Note: The PP must perform a final review of the PDF contents to ensure the PDF is complete and ready for signature.

    a. Open one or multiple PDFs using Adobe Reader DC. Up to about 10 PDF's can be opened at a time.
    b. Zoom / pan to the area in the plan where the seal resides.

c. Click the "Tools" tab and then click the "Certificates" icon. Click "Digitally Sign"

d. Select the Location of the digital signature: A box will appear. Place the box and resize if necessary to place the signature block in the correct location. The signature normally goes across the professional seal, but be sure to check the state licensing laws and policies to ensure you are complying.



e. Apply the Digital Certificate: A pop up box, "Sign with a Digital ID" will appear. Select the correct digital ID, and hit the "Continue" button. Note: Typically, there will just be one choice, unless you have certificates with both Entrust and IdenTrust.

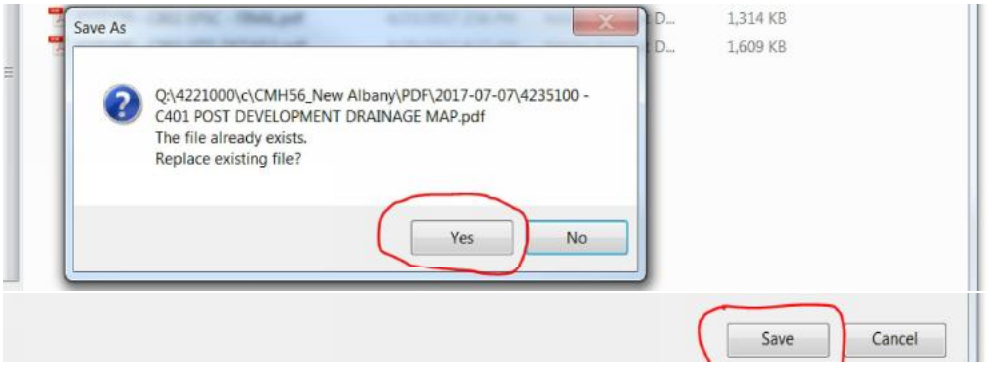
f. Choose how the signature will appear: Another box "Sign As..." will appear. Select the "appearance" box to make the selection.

   i. Method 1: The default signature is the text certificate, and is the more secure method. Below is an example of a text, time and date stamp digital signature.

   ii. Method 2: If the client, AHJ or State Licensing Board requires a scanned image of a manual signature, click on the drop-down box next to "Appearance" and select the transparent signature image created in the setup process (Exhibit 3).

g. The "Sign as "YOUR NAME"" screen will appear. Select "Lock document after signing".

h. Complete the signing process:
   i. Enter your password created during the setup process.
   ii. Select the "Sign" button.
   iii. The "Save As" Windows dialog will appear. Click the "Save" button. Another dialog box will appear asking if you want to replace the existing file. Click "Yes". This will overwrite the original PDF with the new signed, secure version.
   iv. Close the individual PDF (not the Adobe window).



Note: After you save the file, be careful not to click again in the PDF until after the save command is complete which can take a few seconds. Clicking while it is saving can cause you to inadvertently apply two signatures which can frequently crash Adobe Reader DC.

Note: You may will see an error message after the save process competes. This is a glitch that typically has no adverse effects associated with viewing the final secure pdf and can typically be disregarded.

4. PP: Repeat the signing steps with the remaining PDFs. If you keep the active Adobe Reader DC window open during the entire multiple PDF signing process, you will not be prompted to enter your password each time you apply a signature.
5. PP or Designee: After the process is complete for multiple sheets, re-open each of the files to verify the signature has been properly applied and the security certificate is valid.
6. All PP's: Applying multiple signatures: If multiple signatures are required on a single sheet, for example, a Project Manual cover sheet, each registrant should apply their seal and signature as above, but DO NOT click on "Lock document after signing" as described above. If that box is checked, it will not be possible to add more signatures without invalidating the signatures already in place. Only the last registrant will click on "Lock document after signing".
7. PP: Signed documents should always be retained internally in accordance with various state board regulations and GSP document retention policies. Be careful to not delete any securely signed documents. These are considered originals.

Tips:

- Note: If you must apply anything other than your signature in Adobe, do so prior to applying the signature. For example, if the seal or date is left off, it can be applied in Adobe before applying the signature. Once you select "Lock document after Signing", "Sign", and save the file, you cannot make any changes to the document without invalidating the document.
- Non-secure documents such as transmittals can be signed simply using the "Sign" tool in "Fill & Sign". Typically, secure signatures are only needed in sealed documents or other sensitive documents.

REVISION HISTORY

Rev. No.	Date	Approval	Summary of Changes
1	05JAN2017	Wharton	General Revisions
2	06SEP2018	Wharton	Format Change

22. Sub-consultant information:

If one or more sub-consultants will be used, provide the name, address, point of contact and phone number for each. Otherwise, leave this section blank.

Firm Name (as registered with Louisiana's Secretary of State)	**Address**	**Point of Contact and email address**	**Phone Number**
Gresham Smith	10000 Perkins Rowe, Suite 280 Baton Rouge, LA 70810	Herbert "Bert" Moore, II, PE, PLS, PTOE bertmoore@greshamsmith.com	225-757-5849
SJB Group, LLC	8377 Picardy Avenue Baton Rouge, LA 70809	Wilfred Barry, PE, PLS wilfred.barry@sjbgroup.com	225-769-3400
A P S Engineering and Testing, LLC	1645 Nicholson Drive Baton Rouge, LA 70802	Sergio Aviles sergio@aps-testing.com	225-456-5714

23. Location:

If location is an evaluation criterion for this advertisement and the prime consultant intends to establish a local presence, describe the plan for doing so. Otherwise, leave this section blank.