PROPOSAL FOR ENGINERING AND RELATED SERVICES

OFF-SYSTEM HIGHWAY BRIDGE PROGRAM; BRIAN RD OVER DRAINAGE BAYOU

Contract No. 400030643

April 9, 2025

Submitted to:
Louisiana Department of Transportation and Development (DOTD)

Submitted by:
N-Y Associates, Inc.

Project Site as visited by N-Y Associates, Inc. on March 29, 2025.

SECTIONS

1-11

WHO WE ARE

N-Y is a Louisiana firm with over 50 years of LADOTD experience.

N-Y ASSOCIATES, INC.
ENGINEERS • ARCHITECTS • PLANNERS
PROGRAM & PROJECT MANAGERS

DOTD FORM: 24-102

(Revised December 12, 2024)

PROPOSAL TO PROVIDE CONSULTANT SERVICES

Prime consultant shall complete the DOTD Form 24-102 without altering the Form's text; however, the instruction and/or guidance for Sections 12 through 23 can be removed but do not remove Section title and number.

ANY CONSULTANT FAILING TO SUBMIT ANY OF THE INFORMATION REQUIRED ON THE DOTD FORM 24-102, OR PROVIDING INACCURATE INFORMATION ON THE DOTD FORM 24-102, MAY BE CONSIDERED NON-RESPONSIVE.

1. Contract Name as shown in the advertisement	***Off-System Highway Bridge Program*** ***Brian Road Over Drainage Bayou***
2. Contract Number(s) as shown in the advertisement	***4400030643***
3. State Project Number(s), if shown in the advertisement	***H.015976.5***
4. Prime Consultant Name (**name must match exactly as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; include screenshot from SOS at the end of Section 20**)	***N-Y Associates, Inc.***
5. Prime Consultant License Number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	***EF.0000585***
6. Prime Consultant Mailing Address	***2750 Lake Villa Drive*** ***Metairie, LA 70002***
7. Prime Consultant Physical Address (existing or to be established, if location is used as an evaluation criteria)	***2750 Lake Villa Drive*** ***Metairie, LA 70002***
8. Name, title, phone number, and email address of the Prime Consultant's contract point of contact	***Michael F. Nicoladis, President*** ***(504) 885-0500*** ***mnicoladis@n-yassociates.com***
9. Name, title, phone number, and email address of the official with signing authority for this proposal	***Michael F. Nicoladis, President*** ***(504) 885-0500*** ***mnicoladis@n-yassociates.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	

certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response. **Pursuant to Act No. 581 of the 2024 Louisiana Legislature Regular Session, proposer further certifies that it does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association based solely on the entity's or association's status as a firearm entity or firearm trade association. In addition, proposer certifies it will not discriminate against a firearm entity or firearm trade association during the term of the contract based solely on the entity's or association's status as a firearm entity or firearm trade association.**	 Signature above shall be the same person listed in Section 9: ***April 9, 2025*** Date:
11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.	***Firm(s):*** / ***Firm(s)' %:*** ***APS Engineering and Testing, LLC*** — ***2.5%*** ***Urban Systems, Inc*** — ***2.5%***

SECTIONS

12-16

THE DAILY STAR

WEDNESDAY, April 6, 2016 • Vol. 57, Issue 99 • 24 PAGES • 75¢

Engineers study road options

Plans for part of U.S. 51 attract public interest

BY JACOB RESTER

Photos by Jacob Rester

Bruce Richards of NY Associates of New Orleans goes over part of the proposed U.S. 51 Business widening project Tuesday night during a public meeting.

WE HAVE AN OUTSTANDING TEAM

N-Y and the members of our team have successfully completed many LADOTD projects over multiple decades.

NY ASSOCIATES, INC.
ENGINEERS • ARCHITECTS • PLANNERS
PROGRAM & PROJECT MANAGERS

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

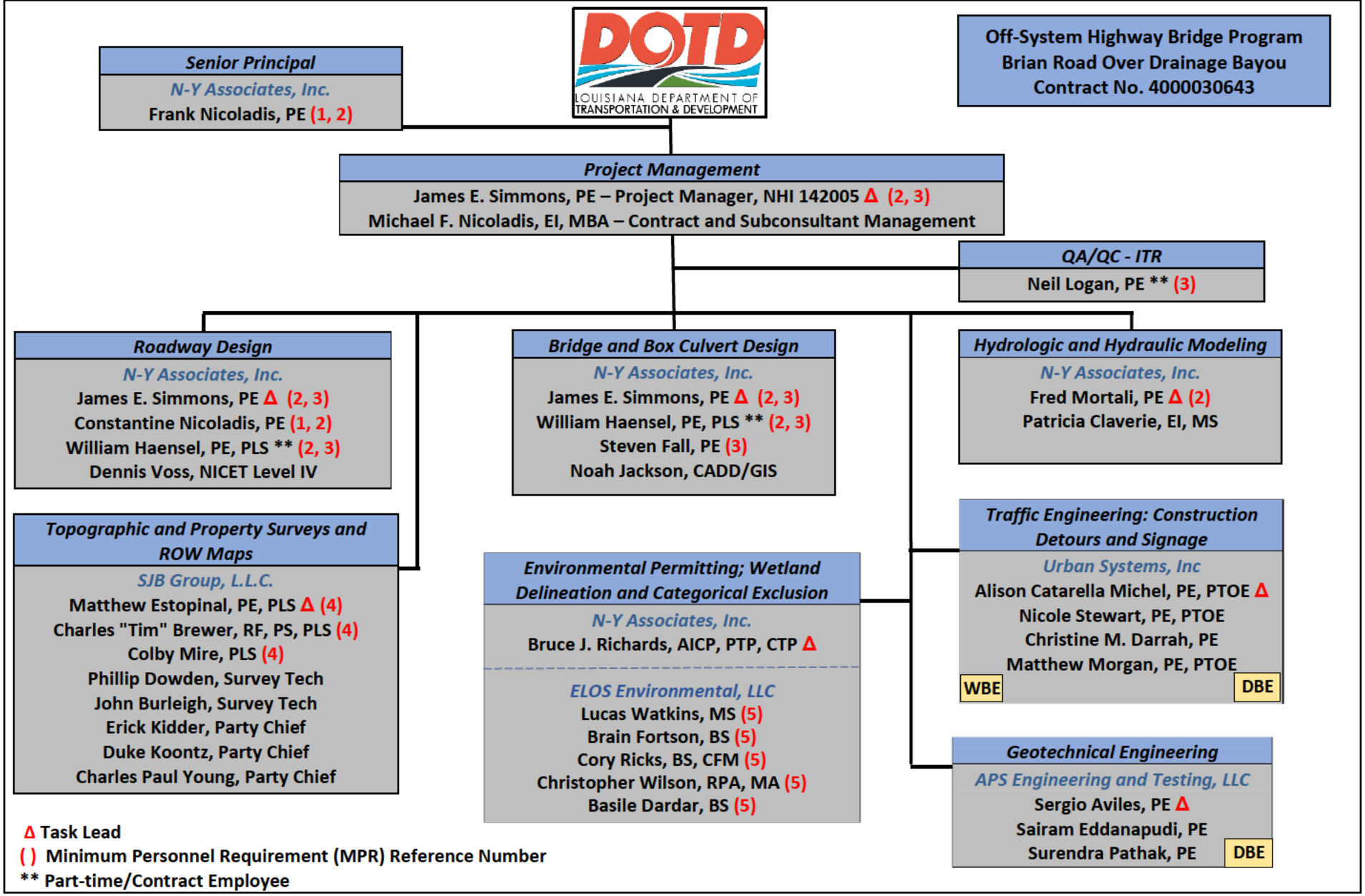
The only disciplines to be used are listed in the drop down in each row (Appraiser, Bridge, CE&I/OV, CPM, Data Collection, Environmental, Geotech, ITS, Other (must specify), Planning, Right-of-Way, Road, Survey, and Traffic). **Remove rows as needed.**

Discipline(s)	% of Overall Contract	N-Y Associates, Inc. (Prime)	SJB Group, L.L.C.	ELOS Environmental, LLC	APS Engineering and Testing, LLC	Urban Systems, Inc	Each Discipline must total to 100%
Bridge	*60%*	*100%*					**100%**
Road	*15%*	*100%*					**100%**
Survey	*15%*		*100%*				**100%**
Environmental	*5%*			*100%*			**100%**
Geotech	*2.5%*				*100%*		**100%**
Traffic	*2.5%*					*100%*	**100%**
Identify the percentage of work for the **overall contract** to be performed by the prime consultant and each sub-consultant.							
Percent of Contract	***100%***	*75%*	*15%*	*5%*	*2.5%*	*2.5%*	

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

Firm name	DOTD Job Classification	**Number of personnel committed to this contract**	Total number of personnel available in this DOTD Job Classification (if needed)
N-Y ASSOCIATES, INC. ENGINEERS • ARCHITECTS • PLANNERS PROGRAM & PROJECT MANAGERS	Principal	2	2
	Supervisor - Eng	1	2
	Engineer	4	7
	Engineer Intern	1	1
	Accountant	1	1
	Technician	1	1
	CADD Technician	2	2
SJB Group	Surveyor	3	5
	Engineer	1	4
	Engineer Intern	0	1
	Party Chief	3	6
	Instrument Man	3	3
	Rodman	0	5
	CADD Technician	2	2
	GIS Analyst	0	1
	Technician	2	4
	Administrative	0	4
ELOS environmental	Principal	1	2
	Environmental Pro	2	2
	Environmental Manager	2	2
	Biologist/Wetlands	3	5
	Archaeologist	1	2
	Geologist	1	1
	Historian	1	2
	GIS Analyst	2	2
	Technician	2	5
APS Engineering and Testing	Engineer	4	4
	Engineer Intern	1	1
	Engineering-Aide	1	1
	Inspector	5	5
	Driller	10	10
	Technician	12	12
	Clerical	2	2
URBAN SYSTEMS inc. USI	Supervisor - Eng	1	2
	Engineer	2	3
	Engineer Intern	1	2
	CADD Technician	2	2

14. **Organizational Chart:** Provide an organizational chart showing ALL **relevant** prime consultant and sub-consultant (if applicable) personnel assigned to the contract, area of project responsibility for each, and reporting lines for the purposes of this contract. An individual's role does not necessarily have to match their DOTD job classification identified in Section 13. **If applicable, identify all personnel performing traffic engineering analysis and/or QC of traffic engineering analysis by placing an asterisk next to their name. Include the certificates required by the Traffic Engineering Process and Report Training Requirements article of the Advertisement in Section 20. It is acceptable to use an 11x17 format for Section 14.**



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

MPR No.	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license and discipline meeting MPR/ certification & number (Ex: PE # - Civil)	State of license	License / certification expiration date
1	▪ Frank Nicoladis, PE ▪ Constantine Nicoladis, PE	▪ N-Y Associates, Inc. ▪ N-Y Associates, Inc.	▪ PE No. 5924 – Civil ▪ PE No. 27095 – Civil	▪ LA ▪ LA	▪ 03/31/2027 ▪ 09/30/2025
2	▪ Frank Nicoladis, PE ▪ Constantine Nicoladis, PE ▪ James Simmons, PE * ; ** ▪ Fred Mortali * ▪ William Haensel, PE	▪ N-Y Associates, Inc. ▪ N-Y Associates, Inc. ▪ N-Y Associates, Inc. ▪ N-Y Associates, Inc. ▪ N-Y Associates, Inc.	▪ PE No. 5924 – Civil ▪ PE No. 27095 – Civil ▪ PE No. 19891 – Civil ▪ PE No. 35111 – Civil ▪ PE No. 13375 – Civil	▪ LA ▪ LA ▪ LA ▪ LA ▪ LA	▪ 03/31/2027 ▪ 09/30/2025 ▪ 09/30/2025 ▪ 03/31/2026 ▪ 03/31/2026
3	▪ James Simmons, PE * ; ** ▪ William Haensel, PE ▪ Steven Fall, PE ▪ Neil Logan, PE	▪ N-Y Associates, Inc. ▪ N-Y Associates, Inc. ▪ N-Y Associates, Inc. ▪ N-Y Associates, Inc.	▪ PE No. 19891 – Civil ▪ PE No. 13375 – Civil ▪ PE No. 23634 – Civil ▪ PE No. 14607 – Civil	▪ LA ▪ LA ▪ LA ▪ LA	▪ 09/30/2025 ▪ 03/31/2026 ▪ 03/31/2026 ▪ 03/31/2027
4	▪ Matthew Estopinal, PE, PLS ▪ Charles "Tim" Brewer, RF, PS, PLS ▪ Colby Mire, PLS	▪ SJB Group, L.L.C. ▪ SJB Group, L.L.C. ▪ SJB Group, L.L.C.	▪ PLS No. 4955 ▪ PLS No. 5009 ▪ PLS No. 5308	▪ LA ▪ LA ▪ LA	▪ 03/31/2027 ▪ 09/30/2025 ▪ 09/30/2025
5	▪ Lucas Watkins, MS ▪ Brain Fortson, BS ▪ Cory Ricks, BS, CFM ▪ Christopher Wilson, RPA, MA ▪ Basile Dardar, BS	▪ ELOS Environmental, LLC ▪ ELOS Environmental, LLC ▪ ELOS Environmental, LLC ▪ ELOS Environmental, LLC ▪ ELOS Environmental, LLC	▪ USCOE Wetland ▪ N/A ▪ Wetland Training Institute Certification Floodplain Manager ▪ N/A ▪ N/A	▪ N/A ▪ N/A ▪ N/A N/A ▪ N/A ▪ N/A	▪ N/A ▪ N/A ▪ N/A US-24-13091 ▪ N/A ▪ N/A

* Completed Highway Safety Manual 2 ½ day FHWA or NCHRP workshop.

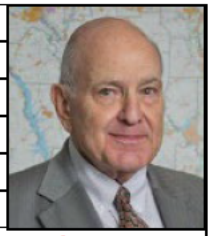
** Completed the NHI course No. 142005, "National Environmental Policy Act and Transportation Decision Making."

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

Firm employed by	N-Y Associates, Inc.			
Name	James Simmons, PE	Years of relevant experience with this employer	31	
Title	Vice President and Civil Engineer	Years of relevant experience with other /employer(s)	17	
Degree(s) / Years / Specialization		Bachelor of Science/1977/Civil Engineering		
Active registration number / state / expiration date		19891/LA/09-30-2025		
Year registered	1982	Discipline	Civil Engineering; Highway Safety Course; NHI 142005	
Contract role(s) / brief description of responsibilities		Project Manager / Bridge and Roadway Design / Drainage Design / Meets MPR Nos. 2 and 3		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s). ***Mr. Simmons provided Geometric Layouts, Bridge / Roadway and Drainage Design, and Cost Estimates for each project listed below.***
01/22 – 06/25	**Replacement of Rural Bridges on LA Highway 119, LADOTD District 08; Natchitoches Parish, LA:** H&H Modeling utilizing LADOTD HYDRWIN software as well as the USACE HEC-RAS and design for the replacement of **five (5) rural bridges** crossing Creek 1, 2,3, and 4 and Bayou Pierre on the State Highway 119 in LADOTD District 08. Solicitation of Views and Preparation of the Categorical Exclusion document in compliance with NEPA and FHWA criteria and guidelines. This project includes Preliminary and Final Bridge Plans and Bridge Load Rating Reports.
01/22 – 06/25	**Replacement of Rural Bridges on LA Highway 1199, LADOTD District 08; Rapides Parish, LA:** H&H Modeling utilizing LADOTD HYDRWIN software as well as the USACE HEC-RAS and design for the replacement of **three (3) rural bridges** crossing Creek 1, and 2 and Spring Creek on the State Highway 1199 in LADOTD District 08. Solicitation of Views and Preparation of the Categorical Exclusion document in compliance with NEPA and FHWA criteria and guidelines. This project includes Preliminary and Final Bridge Plans and Bridge Load Rating Reports.
01/22 – 06/25	**Replacement of Rural Bridges on LA Highway 124, LADOTD District 58; Catahoula Parish, LA:** H&H Modeling utilizing LADOTD HYDRWIN software as well as the USACE HEC-RAS and design for the replacement of **three (3) rural bridges** crossing Broke Leg Bayou, Boggy Bayou, and Creek on the State Highway 124 in LADOTD District 58. Solicitation of Views and Preparation of the Categorical Exclusion document in compliance with NEPA and FHWA criteria and guidelines. This project includes Preliminary and Final Bridge Plans and Bridge Load Rating Reports.
01/22 – 06/25	**Replacement of Rural Bridges on LA Highway 472 and 577, LADOTD Districts 08 and 58; Grant and Franklin Parishes, LA:** H&H Modeling utilizing LADOTD HYDRWIN software as well as the USACE HEC-RAS and design for the replacement of **four (4) rural bridges** crossing Indian Creek, Big Bear Creek, Bull Bayou, and Creek on the State Highway 427 and 577 in LADOTD Districts 08 and 58. Solicitation of Views and Preparation of the Categorical Exclusion document in compliance with NEPA and FHWA criteria and guidelines. This project includes Preliminary and Final Bridge Plans and Bridge Load Rating Reports.
06/18 – 12/24	**Comite River Diversion Project – US Highway 61 (Airline Highway Bridges); East Baton Rouge Parish, LA: New northbound and southbound highway bridges for the US Highway 61 crossing** and the accompanying bypass road, pile load tests for the bridges, design of the diversion project discharge channel, the relocation of Barnett Road, and all required area drainage. **All work was performed to LADOTD standards and was reviewed by the LADOTD.**
02/21 – 12/26 est.	**Five (5) New "Waskey-type" Bridges associated with the West Shore Lake Pontchartrain Flood Protection System, WSLP-114; St. Charles and St. John the Baptist Parishes, LA: Design of five (5) new "Waskey-type" access bridges ranging in length from 60 feet to 160 feet** using precast deck panels, precast pile bent caps, and precast barrier rails supported on precast concrete piles. The bridges vary in width: 24 foot, 16 foot and 12 foot clear width, gutter to gutter. The bridges were designed for an AASHTO HS20 truck load (HL-93 loading).
09/24 – 12/25 est.	**FPA-E: LPV-111 Bridge Assessment and Rehabilitation Design; New Orleans, LA: Rehab of the existing LPV-111 bridge** which was contractor designed and constructed using existing concrete abutments with new steel H-pile bents and rolled steel framing to support timber mats. The deck width is 20-ft and the bridge is 102-ft long which 35-ft end spans and two 16-ft center spans.

06/99 – 04/10	**LA 1088 Interchange, Route Interstate 12; St. Tammany Parish, LA:** Design for an addition of a fully directional interchange to I-12 at LA 1088. The interchange includes: 6,585 LF of widening LA 1088 from a 2-lane roadway to a 4-lane divided roadway with a 30' depressed median; 8,648 LF of single lane ramps; A **new 446 LF westbound 2-lane bridge** using AASHTO Type IV precast pre-stressed concrete girders; Drainage included 24", 36", 42", 54", 60" and 72" diameter reinforced concrete and reinforced concrete arch pipes.
06/01 – 05/08	**Improvements to Destrehan Avenue, Phases I & II (Lapalco Blvd. to the West Bank Expr.); Jefferson Parish, LA:** *Phase I* consisted of widening a 1.24 mile, 2-lane urban roadway with open ditches to a 4-lane asphaltic concrete urban roadway with curb & gutters, swale ditches and subsurface drainage. The project also included the relocation of a sewer lift station and widening, lengthening, and raising **a three-span, prestressed, precast concrete girder bridge**. *Phase II* consisted of widening a 1.1 mile, 2-lane urban roadway to a 4-lane roadway with curb & gutter, swale ditches, subsurface drainage and asphaltic concrete. This phase was realigned to improve access to the Harvey Tunnel.
08/11 – 12/25 est.	**LA Highway 23 (Happy Jack to N. Port Sulphur) Environmental Assessment and Design; Plaquemines Parish, LA:** Environmental Assessment, Topographic Survey and Design for the reconstruction of the existing two-lane roadway to a new four-lane divided roadway with subsurface drainage and utility relocations. **All work is being done to LADOTD standards.**
08/16 – 02/20	**Improvements to France Road, from Hayne Boulevard to US 90/Chef Menteur Highway for the Port of New Orleans:** The full reconstruction of 1.5 miles of roadway from two, 10' lanes to two, 11' lanes with 4' shoulders. A portion of the roadway was also raised to minimize potential periodic flooding.
09/16 – 12/23	**LA 3234 Extension (LA 1065 to Hammond Airport) Stage 1 Environmental Assessment; Tangipahoa Parish, LA:** Engineering, Environmental, and Planning Services for a Stage 1 Environmental Assessment (including Concept Engineering Design) for extending LA 3234 to improve east-west connectivity through Hammond. The extended roadway segment includes the LADOTD complete Streets policy and pedestrian and bicycle facilities. Several small bridges are also included.
06/08 – 06/25 est.	**Environmental Impact Statement (EIS) and Interchange Justification Report (IJR) for US 61 at Reserve to I-10 Port Connector Road; St. John the Baptist Parish, LA:** Environmental Impact Statement for new roadway and bridge alternatives for port, commercial and local traffic to connect US 61 to I-10 in St. John Parish. Identification of the preferred alternative, which includes a new I-10 interchange in St. John Parish, required an Interchange Justification Report to be prepared concurrently with the preparation of the Final Environmental Impact Statement (FEIS).
03/14 – 07/18	**US 51 (LA 22 to Club Deluxe Rd.) Stage 1 Environmental Assessment; Tangipahoa Parish, LA:** Stage 1 Environmental Assessment (including Concept Engineering Design) for added capacity and roadway, bridge and intersection improvements to US 51. The preferred alternative includes a complete streets cross-section which includes addition of a new median, new bicycle lanes buffered from travel lanes, and new sidewalks for pedestrians.
03/12 – 09/15	**Environmental Assessment for Hooper Road Extension (LA 408); East Baton Rouge and Livingston Parishes, LA:** Engineering, Environmental, and Planning services for a Stage 1 Environmental Assessment (including Concept Engineering Design) for roadway and bridge improvements and extension of Hooper Road (LA 408). The project also addressed the LADOTD Complete Streets Policy, and the preferred alternative included new sidewalks and 8 ft. wide shoulders suitable for bicycling.
01/11 – 07/12	**Stage 0 Feasibility Study, Hooper Road Extension and Toll Road Evaluation; East Baton Rouge and Livingston Parishes, LA:** The Stage 0 study examined the extension of LA Hwy 308 (Hooper Road) from Greenwell Springs Road with a new bridge crossing the Amite River connecting to LA 16 or LA 1019. The study included alternatives development and evaluation, a traffic impact study, cost estimates, and an environmental inventory. The primary purpose of the toll evaluation for the new bridge and roadway was to develop estimates of total traffic demand under tolled vs. non-tolled conditions, toll traffic forecasts, projected gross and net toll revenues under a tolled scenario, and the potential amount of debt that could be issued to help fund the project's construction.
06/03 – 02/08	**Causeway/Earhart Interchange, Route LA 3139: Stage 0 Feasibility Study & Environmental Inventory and Stage 1 Environmental Assessment; Jefferson Parish, LA:** Feasibility Study and Environmental Inventory (including line and grade), for a proposed interchange at the Earhart Expressway (LA 3139) and Causeway Boulevard (LA 3046) in Jefferson Parish. Plans, profiles, and cost estimates were developed for six multi-level interchange alternatives. Two provide all eight possible turning movements with signalization; four are free-flow providing six turning movements. The final two build alternatives were evaluated in a Stage 1 Environmental Assessment.

Firm employed by	**N-Y Associates, Inc.**			
Name	**Frank Nicoladis, PE**	Years of relevant experience with this employer	**56**	
Title	**Chairman, Founder**	Years of relevant experience with other employer(s)	**12**	
Degree(s) / Years / Specialization		**Bachelor of Science/1957/Civil Engineering**		
Active registration number / state / expiration date		**5924/LA/03-31-2027**		
Year registered	**1957** Discipline	**Civil Engineering**		
Contract role(s) / brief description of responsibilities		**Principal / Project Oversight including Quality Assurance / Meets MPR Nos. 1 and 2**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s). ***Mr. Nicoladis provided Project Oversight including Quality Assurance for each project listed below.***
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09/24 – 12/25 est.	**FPA-E: LPV-111 Bridge Assessment and Rehabilitation Design; New Orleans, LA: Rehab of the existing LPV-111 bridge** which was contractor designed and constructed using existing concrete abutments with new steel H-pile bents and rolled steel framing to support timber mats. The deck width is 20-ft and the bridge is 102-ft long which 35-ft end spans and two 16-ft center spans.
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03/12 – 09/15	**Environmental Assessment for Hooper Road Extension (LA 408); East Baton Rouge and Livingston Parishes, LA:** Engineering, Environmental, and Planning services for a Stage 1 Environmental Assessment (including Concept Engineering Design) for roadway and bridge improvements and extension of Hooper Road (LA 408). The project also addressed the LADOTD Complete Streets Policy, and the preferred alternative included new sidewalks and 8 ft. wide shoulders suitable for bicycling.
01/11 – 07/12	**Stage 0 Feasibility Study, Hooper Road Extension and Toll Road Evaluation; East Baton Rouge and Livingston Parishes, LA:** The Stage 0 study examined the extension of LA Hwy 308 (Hooper Road) from Greenwell Springs Road with a new bridge crossing the Amite River connecting to LA 16 or LA 1019. The study included alternatives development and evaluation, a traffic impact study, cost estimates, and an environmental inventory. The primary purpose of the toll evaluation for the new bridge and roadway was to develop estimates of total traffic demand under tolled vs. non-tolled conditions, toll traffic forecasts, projected gross and net toll revenues under a tolled scenario, and the potential amount of debt that could be issued to help fund the project's construction.
07/04 – 03/08	**Environmental Assessment and Preliminary Engineering for a New Lapalco Boulevard Bridge Crossing the Harvey Canal; Jefferson Parish, LA:** Line & Grade Study and an Environmental Assessment (including Preliminary Engineering Design) for a new westbound, double leaf bascule (moveable span) bridge crossing the Harvey Canal at Lapalco Boulevard parallel to the existing moveable bridge. The project also included the conversion of the existing bridge to an eastbound, three-lane facility with a separate bicycle/pedestrian lane.
06/03 – 02/08	**Causeway/Earhart Interchange, Route LA 3139: Stage 0 Feasibility Study & Environmental Inventory and Stage 1 Environmental Assessment; Jefferson Parish, LA:** Feasibility Study and Environmental Inventory (including line and grade), for a proposed interchange at the Earhart Expressway (LA 3139) and Causeway Boulevard (LA 3046) in Jefferson Parish. Plans, profiles, and cost estimates were developed for six multi-level interchange alternatives. Two provide all eight possible turning movements with signalization; four are free-flow providing six turning movements. The final two build alternatives were evaluated in a Stage 1 Environmental Assessment.

Firm employed by	**N-Y Associates, Inc.**			
Name	**Michael Nicoladis, EI, MBA**	Years of relevant experience with this employer	**41**	
Title	**President**	Years of relevant experience with other employer(s)	**0**	
Degree(s) / Years / Specialization		**Bachelor of Engineering/1982/Civil Engineering** **Master of Business Administration/1984**		
Active registration number / state / expiration date		**8705/LA/09-30-2025**		
Year registered	**1982**	Discipline	**Engineer Intern**	
Contract role(s) / brief description of responsibilities		**Principal / Contract and Subconsultant 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 years of experience specified in the applicable MPR(s). ***Mr. Nicoladis provided Contract and Subconsultant Management for each project listed below.***
01/22 – 06/25	**Replacement of Rural Bridges on LA Highway 119, LADOTD District 08; Natchitoches Parish, LA:** H&H Modeling utilizing LADOTD HYDRWIN software as well as the USACE HEC-RAS and design for the replacement of **five (5) rural bridges** crossing Creek 1, 2,3, and 4 and Bayou Pierre on the State Highway 119 in LADOTD District 08. Solicitation of Views and Preparation of the Categorical Exclusion document in compliance with NEPA and FHWA criteria and guidelines. This project includes Preliminary and Final Bridge Plans and Bridge Load Rating Reports.
01/22 – 06/25	**Replacement of Rural Bridges on LA Highway 1199, LADOTD District 08; Rapides Parish, LA:** H&H Modeling utilizing LADOTD HYDRWIN software as well as the USACE HEC-RAS and design for the replacement of **three (3) rural bridges** crossing Creek 1, and 2 and Spring Creek on the State Highway 1199 in LADOTD District 08. Solicitation of Views and Preparation of the Categorical Exclusion document in compliance with NEPA and FHWA criteria and guidelines. This project includes Preliminary and Final Bridge Plans and Bridge Load Rating Reports.
01/22 – 06/25	**Replacement of Rural Bridges on LA Highway 124, LADOTD District 58; Catahoula Parish, LA:** H&H Modeling utilizing LADOTD HYDRWIN software as well as the USACE HEC-RAS and design for the replacement of **three (3) rural bridges** crossing Broke Leg Bayou, Boggy Bayou, and Creek on the State Highway 124 in LADOTD District 58. Solicitation of Views and Preparation of the Categorical Exclusion document in compliance with NEPA and FHWA criteria and guidelines. This project includes Preliminary and Final Bridge Plans and Bridge Load Rating Reports.
01/22 – 06/25	**Replacement of Rural Bridges on LA Highway 472 and 577, LADOTD Districts 08 and 58; Grant and Franklin Parishes, LA:** H&H Modeling utilizing LADOTD HYDRWIN software as well as the USACE HEC-RAS and design for the replacement of **four (4) rural bridges** crossing Indian Creek, Big Bear Creek, Bull Bayou, and Creek on the State Highway 427 and 577 in LADOTD Districts 08 and 58. Solicitation of Views and Preparation of the Categorical Exclusion document in compliance with NEPA and FHWA criteria and guidelines. This project includes Preliminary and Final Bridge Plans and Bridge Load Rating Reports.
06/18 – 12/24	**Comite River Diversion Project – US Highway 61 (Airline Highway Bridges); East Baton Rouge Parish, LA: New northbound and southbound highway bridges for the US Highway 61 crossing** and the accompanying bypass road, pile load tests for the bridges, design of the diversion project discharge channel, the relocation of Barnett Road, and all required area drainage. **All work was performed to LADOTD standards and was reviewed by the LADOTD.**
02/21 – 12/26 est.	**Five (5) New "Waskey-type" Bridges associated with the West Shore Lake Pontchartrain Flood Protection System, WSLP-114; St. Charles and St. John the Baptist Parishes, LA: Design of five (5) new "Waskey-type" access bridges ranging in length from 60 feet to 160 feet** using precast deck panels, precast pile bent caps, and precast barrier rails supported on precast concrete piles. The bridges vary in width: 24 foot, 16 foot and 12 foot clear width, gutter to gutter. The bridges were designed for an AASHTO HS20 truck load (HL-93 loading).
09/24 – 12/25 est.	**FPA-E: LPV-111 Bridge Assessment and Rehabilitation Design; New Orleans, LA: Rehab of the existing LPV-111 bridge** which was contractor designed and constructed using existing concrete abutments with new steel H-pile bents and rolled steel framing to support timber mats. The deck width is 20-ft and the bridge is 102-ft long which 35-ft end spans and two 16-ft center spans.

06/99 – 04/10	**LA 1088 Interchange, Route Interstate 12; St. Tammany Parish, LA:** Design for an addition of a fully directional interchange to I-12 at LA 1088. The interchange includes: 6,585 LF of widening LA 1088 from a 2-lane roadway to a 4-lane divided roadway with a 30' depressed median; 8,648 LF of single lane ramps; A **new 446 LF westbound 2-lane bridge** using AASHTO Type IV precast pre-stressed concrete girders; Drainage included 24", 36", 42", 54", 60" and 72" diameter reinforced concrete and reinforced concrete arch pipes.
06/01 – 05/08	**Improvements to Destrehan Avenue, Phases I & II (Lapalco Blvd. to the West Bank Expr.); Jefferson Parish, LA:** *Phase I* consisted of widening a 1.24 mile, 2-lane urban roadway with open ditches to a 4-lane asphaltic concrete urban roadway with curb & gutters, swale ditches and subsurface drainage. The project also included the relocation of a sewer lift station and widening, lengthening, and raising **a three-span, prestressed, precast concrete girder bridge**. *Phase II* consisted of widening a 1.1 mile, 2-lane urban roadway to a 4-lane roadway with curb & gutter, swale ditches, subsurface drainage and asphaltic concrete. This phase was realigned to improve access to the Harvey Tunnel.
01/04 – 01/07	**Florida Avenue Bridge and Expressway; Orleans and St. Bernard Parishes, LA: Preliminary Plan & (70%) final plans for a 9000 LF high-level bridge over the IHNC at Florida Avenue, with a vertical clearance of 156' above high water** and composed of pre-stressed concrete girder spans and composite steel spans, with reinforced concrete bents.
08/11 – 12/25 est.	**LA Highway 23 (Happy Jack to N. Port Sulphur) Environmental Assessment and Design; Plaquemines Parish, LA:** Environmental Assessment, Topographic Survey and Design for the reconstruction of the existing two-lane roadway to a new four-lane divided roadway with subsurface drainage and utility relocations. **All work is being done to LADOTD standards.**
08/16 – 02/20	**Improvements to France Road, from Hayne Boulevard to US 90/Chef Menteur Highway for the Port of New Orleans:** The full reconstruction of 1.5 miles of roadway from two, 10' lanes to two, 11' lanes with 4' shoulders. A portion of the roadway was also raised to minimize potential periodic flooding.
06/08 – 06/25 est.	**Environmental Impact Statement (EIS) and Interchange Justification Report (IJR) for US 61 at Reserve to I-10 Port Connector Road; St. John the Baptist Parish, LA:** Environmental Impact Statement for new roadway and bridge alternatives for port, commercial and local traffic to connect US 61 to I-10 in St. John Parish. Identification of the preferred alternative, which includes a new I-10 interchange in St. John Parish, required an Interchange Justification Report to be prepared concurrently with the preparation of the Final Environmental Impact Statement (FEIS).
09/16 – 12/23	**LA 3234 Extension (LA 1065 to Hammond Airport) Stage 1 Environmental Assessment; Tangipahoa Parish, LA:** Engineering, Environmental, and Planning Services for a Stage 1 Environmental Assessment (including Concept Engineering Design) for extending LA 3234 to improve east-west connectivity through Hammond. The extended roadway segment includes the LADOTD complete Streets policy and pedestrian and bicycle facilities. Several small bridges are also included.
03/12 – 09/15	**Environmental Assessment for Hooper Road Extension (LA 408); East Baton Rouge and Livingston Parishes, LA:** Engineering, Environmental, and Planning services for a Stage 1 Environmental Assessment (including Concept Engineering Design) for roadway and bridge improvements and extension of Hooper Road (LA 408). The project also addressed the LADOTD Complete Streets Policy, and the preferred alternative included new sidewalks and 8 ft. wide shoulders suitable for bicycling.
07/04 – 03/08	**Environmental Assessment and Preliminary Engineering for a New Lapalco Boulevard Bridge Crossing the Harvey Canal; Jefferson Parish, LA:** Line & Grade Study and an Environmental Assessment (including Preliminary Engineering Design) for a new westbound, double leaf bascule (moveable span) bridge crossing the Harvey Canal at Lapalco Boulevard parallel to the existing moveable bridge. The project also included the conversion of the existing bridge to an eastbound, three-lane facility with a separate bicycle/pedestrian lane.
06/03 – 02/08	**Causeway/Earhart Interchange, Route LA 3139: Stage 0 Feasibility Study & Environmental Inventory and Stage 1 Environmental Assessment; Jefferson Parish, LA:** Feasibility Study and Environmental Inventory (including line and grade), for a proposed interchange at the Earhart Expressway (LA 3139) and Causeway Boulevard (LA 3046) in Jefferson Parish. Plans, profiles, and cost estimates were developed for six multi-level interchange alternatives. Two provide all eight possible turning movements with signalization; four are free-flow providing six turning movements. The final two build alternatives were evaluated in a Stage 1 Environmental Assessment.

Firm employed by	N-Y Associates, Inc.			
Name	Constantine Nicoladis, PE	Years of relevant experience with this employer	38	
Title	Senior Vice President and Civil Engineer	Years of relevant experience with other employer(s)	0	
Degree(s) / Years / Specialization		Bachelor of Science/1985/Civil & Environmental Engineering Master of Business Administration/1987		
Active registration number / state / expiration date		27095/LA/09-30-2025		
Year registered	1997	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities		Roadway and Drainage Design / Meets MPR Nos. 1 and 2		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s). ***Mr. Nicoladis provided Roadway and Drainage Design and Cost Estimates for each project listed below.***
06/13 – 12/23	**Improvements to Duncan Canal and West Esplanade Avenue; Kenner, LA:** A Hydraulic Study and Preliminary & Final Design of the double barrel, 3000 CFS, 300 LF box culvert which replaced the existing bridges crossing the Duncan Canal. The project also includes the reconstruction of approx. 700 LF of eastbound & westbound W. Esplanade Avenue. **This project was designed using LADOTD standards.**
11/18 – 06/22	**New On and Off Ramps at Lead Street to the Earhart Expressway (LA 3139) with Bridge Replacement; Jefferson Parish, LA:** A new at grade eastbound on-ramp from Lead Street to LA 3139; a new at grade westbound off-ramp from LA 3139 to Lead Street; and a new 100 LF reinforced concrete box culvert replacement for the existing Lead Street bridge over the Cross Canal, consisting of 2, 12'x14' barrels.
09/10 – 12/17	**Veterans Administration Medical Center (VAMC) and University Medical Center (UMC) Infrastructure Improvements:** Roadway pavement complete with curbs; base; subsurface utilities, including but not limited to, drainage, water, and sanitary sewer installation; and, adjustments as required at driveways, intersecting streets, and project termini.
06/13 – 12/16	**Tyler Drive Roadway and Drainage Improvements; St. Tammany Parish, LA:** Feasibility Study, Design, Bidding and Construction Administration for the full pavement rehabilitation of 1,183 LF of Tyler Drive consisting of cold mill and overlay as well as segments of full reconstruction. The project included reconfiguration of the median to add an additional left turn lane from Tyle Drive onto Gause Boulevard to maintain traffic flow. Additional left turn lanes were also added from Tyler Drive onto Manzella Drive for access to businesses and from Tyler Drive onto Natchez Drive to maintain traffic flow.
06/08 – 06/16	**North Galvez Street from Tennessee St. to Delery St.; New Orleans, LA:** The complete reconstruction of the street pavement including concrete pavement and curb, crushed stone base course, sidewalks, driveways, handicapped ramps; and replacement of subsurface utilities. Also included was CIPP Lining of 2,550 LF of 8" sewer mains and 2,000 LF of 6" sewer house connections.
06/13 – 06/14	**Stage 0 Feasibility Study, Tchoupitoulas Corridor Signage and Striping; New Orleans, LA:** The purpose of this Stage 0 study was to identify all damaged, worn or missing traffic control signage and pavement marking on 4.53 miles of the Tchoupitoulas Street corridor and recommend improvements to the overall operational safety of this corridor. Twenty-eight (28) signs were found to be missing and fifty-three (53) signs were identified to be in a deteriorated condition or vandalized, for a total of 81 signs that need to be replaced. Pavement markings along the entire corridor were observed to be in a deteriorated condition.
06/99 – 04/10	**LA 1088 Interchange, Route Interstate 12; St. Tammany Parish, LA:** Design for an addition of a fully directional interchange to I-12 at LA 1088. The interchange includes: 6,585 LF of widening LA 1088 from a 2-lane roadway to a 4-lane divided roadway with a 30' depressed median; 8,648 LF of single lane ramps; A **new 446 LF westbound 2-lane bridge** using AASHTO Type IV precast pre-stressed concrete girders; Drainage included 24", 36", 42", 54", 60" and 72" diameter reinforced concrete and reinforced concrete arch pipes.
06/01 – 05/08	**Improvements to Destrehan Avenue, Phases I & II (Lapalco Blvd. to the West Bank Expr.); Jefferson Parish, LA:** *Phase I* consisted of widening a 1.24 mile, 2-lane urban roadway with open ditches to a 4-lane asphaltic concrete urban roadway with curb & gutters, swale ditches and subsurface drainage. The project also included the relocation of a sewer lift station and widening, lengthening, and raising **a three-span, prestressed, precast concrete girder bridge**. *Phase II* consisted of widening a 1.1 mile, 2-lane urban roadway to a 4-lane roadway with curb & gutter, swale ditches, subsurface drainage and asphaltic concrete. This phase was realigned to improve access to the Harvey Tunnel.
06/91 – 12/01	**Improvements to Drainage Canal No. 3; Jefferson Parish, LA:** Improvements to Drainage Canal No. 3 from I-10 to the Elmwood Canal consisting of an 1800 LF, 90' wide concrete flume section with side slope paving & a capacity of 4000 CFS. This project included a 34' wide x 250' long, 2-lane replacement vehicular bridge composed of pre-stressed, pre-cast hollow core slabs, with 50 ft. spans designed for AASHTO HS-20 loading.

Firm employed by	N-Y Associates, Inc.				
Name	William Haensel, PE		Years of relevant experience with this employer	4	
Title	Senior Civil Engineer		Years of relevant experience with other employer(s)	53	
Degree(s) / Years / Specialization			Bachelor of Science/1968/Civil Engineering		
Active registration number / state / expiration date			13375/LA/03-31-2026		
Year registered	1972	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Bridge and Roadway Design / Drainage Design / Meets MPR Nos. 2 & 3		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s). ***Mr. Haensel provided Bridge / Roadway and Drainage Design for each project listed below.***
01/22 – 06/25	**Replacement of Rural Bridges on LA Highway 119, LADOTD District 08; Natchitoches Parish, LA:** H&H Modeling utilizing LADOTD HYDRWIN software as well as the USACE HEC-RAS and design for the replacement of **five (5) rural bridges** crossing Creek 1, 2,3, and 4 and Bayou Pierre on the State Highway 119 in LADOTD District 08. Solicitation of Views and Preparation of the Categorical Exclusion document in compliance with NEPA and FHWA criteria and guidelines. This project includes Preliminary and Final Bridge Plans and Bridge Load Rating Reports.
01/22 – 06/25	**Replacement of Rural Bridges on LA Highway 1199, LADOTD District 08; Rapides Parish, LA:** H&H Modeling utilizing LADOTD HYDRWIN software as well as the USACE HEC-RAS and design for the replacement of **three (3) rural bridges** crossing Creek 1, and 2 and Spring Creek on the State Highway 1199 in LADOTD District 08. Solicitation of Views and Preparation of the Categorical Exclusion document in compliance with NEPA and FHWA criteria and guidelines. This project includes Preliminary and Final Bridge Plans and Bridge Load Rating Reports.
01/22 – 06/25	**Replacement of Rural Bridges on LA Highway 124, LADOTD District 58; Catahoula Parish, LA:** H&H Modeling utilizing LADOTD HYDRWIN software as well as the USACE HEC-RAS and design for the replacement of **three (3) rural bridges** crossing Broke Leg Bayou, Boggy Bayou, and Creek on the State Highway 124 in LADOTD District 58. Solicitation of Views and Preparation of the Categorical Exclusion document in compliance with NEPA and FHWA criteria and guidelines. This project includes Preliminary and Final Bridge Plans and Bridge Load Rating Reports.
01/22 – 06/25	**Replacement of Rural Bridges on LA Highway 472 and 577, LADOTD Districts 08 and 58; Grant and Franklin Parishes, LA:** H&H Modeling utilizing LADOTD HYDRWIN software as well as the USACE HEC-RAS and design for the replacement of **four (4) rural bridges** crossing Indian Creek, Big Bear Creek, Bull Bayou, and Creek on the State Highway 427 and 577 in LADOTD Districts 08 and 58. Solicitation of Views and Preparation of the Categorical Exclusion document in compliance with NEPA and FHWA criteria and guidelines. This project includes Preliminary and Final Bridge Plans and Bridge Load Rating Reports.
09/24 – 12/25 est.	**FPA-E: LPV-111 Bridge Assessment and Rehabilitation Design; New Orleans, LA: Rehab of the existing LPV-111 bridge** which was contractor designed and constructed using existing concrete abutments with new steel H-pile bents and rolled steel framing to support timber mats. The deck width is 20-ft and the bridge is 102-ft long which 35-ft end spans and two 16-ft center spans.
With Other Firms	
02/22 – 08/23	**Tangipahoa Roads; Tangipahoa Parish, LA:** Pavement Rehabilitation (asphalt patching, milling, overlay, and signage) **S.P No. H.014048** (2020-2023) Analysis and design of pavement overlays and signage on rural roads in southern Tangipahoa parish. Attended meetings, performed site reconnaissance, assisted in plan development, and reviewed plans for construction. **Design conformed to Tangipahoa Parish, AASHTO, and DOTD requirements.**
05/12 – 10/14	**Audubon Blvd.; St. Tammany Parish, LA:** Design of the complete reconstruction of a divided multilane collector roadway for the City of Slidell. Project included removal of existing asphalt overlayed PCC Pavement and replacement with new 8" thick PCC pavement including drainage upgrades and signage.
09/95 – 02/10	**Lakeshore Roadways; St. Tammany Parish, LA:** Design for divided roadways serving a residential development including West End Blvd., Lakeshore Marina Dr., Marina Villa Blvd., Lakeshore Blvd., Sunrise Blvd., Sunset Blvd., East End Blvd., Marina Villa East Blvd. , Lakeshore Village Blvd., Lakeshore Village Dr., and East Lake Court. Approximately 46,000 linear feet of 8" thick PCC pavement on a 12" thick cement treated base was constructed.

03/08 – 10/09	**Oak Harbor Boulevard East Widening (I-10 Service Road to Lakeshore Boulevard); St. Tammany Parish, LA:** Design of additional travel lanes for an existing 2,600 foot long divided roadway including drainage. **The design conformed to DOTD and AASHTO requirements.**
05/07 – 11/08	**Country Lane Streets; St. Tammany Parish, LA:** Design for the streets in a residential subdivision with access to Interstate Highway 10 via Louisiana Highway 433. Approximately 3,900 linear feet of PCCP roadway was constructed to create Sandhill Lane, Kayle Drive, and Silver Oak Drive. Approximately 2,400 linear feet of 8" diameter sewer line and 2,650 linear feet of 8" and 12" diameter water lines were constructed for the development. Stormwater was handled through subsurface pipes, swales, and ditches which provided Stormwater detention in compliance with St. Tammany Parish requirements.
03/93 – 07/05	**Belair Streets; St. Tammany Parish, LA:** Design included over 22,000 linear feet (5.1 miles) of Portland Cement concrete roadways. Approximately 13,000 linear feet of 8" and 12" diameter water mains, 18,000 linear feet of 8" diameter sewer mains, and 18,000 linear feet of 15", 18", 21", and 24" diameter concrete drain pipe were included in the design. Stormwater detention channels were also included in the design providing multiple stormwater storage locations. **Conformed to St. Tammany Parish, DOTD, and AASHTO requirements.**
03/01 – 10/02	**LA Hwy. 434 (I-12 to Ezell Road); St. Tammany Parish, LA:** Provided plans, specifications, bid coordination, and construction administration for the cold milling and overlay and new turn lanes for 7,000 linear feet of state highway 434. D**esign conformed to DOTD and AASHTO requirements**. Prepared a traffic impact analysis of the highway for consideration of the proposed Folger's Warehouse facility. **(DOTD Design S.P. No. 852-12-0016/DOTD Construction S. P. No. 416-03-02)**
06/95 – 11/96	**Fairway Drive Extension; St. Tammany Parish, LA:** Project Manager for this new collector roadway between U.S Highway 190 and U.S Highway 59. Initial tasks included a line and grade study for the new route. Phase 1 included 1,800 linear feet of divided collector roadway. Approximately 8,000 square yards of 8" thick PCC pavement supported on a 12" thick base course was constructed. **Conformed to St. Tammany Parish, DOTD, and AASHTO requirements.**
02/93 – 08/94	**Lake Pontchartrain Causeway Approach Road and Toll Area; St. Tammany Parish, LA:** Project Manager for removal of existing PCC pavement and construction of a new 10-inch-thick PCC pavement for toll plaza and approach drives. Design included drainage improvements and **conformed to St. Tammany Parish, ASSHTO, and DOTD requirements**.
02/90 – 11/91	**Oak Harbor Boulevard (Interstate 10 to U.S. Highway 11); St. Tammany Parish, LA:** Project Manager for a new multilane collector roadway to connect two main highways. Road was approximately 15,900 linear feet in length. Design included roadside drainage, signage, pavement marking, and signalization. **Conformed to St. Tammany Parish, DOTD and AASHTO requirements.**
10/84 – 06/86	**Middle Pearl Drive Bridge; St. Tammany Parish, LA:** Project Manager providing design and construction engineering services for a new five span precast concrete bridge. **Conformed to DOTD and AASHTO requirements.**
01/04 – 05/05	**Causeway Boulevard Overlay (Bore Street to W. Napoleon Avenue); Jefferson Parish, LA:** Design and construction engineering services for the cold milling and asphaltic overlay of a divided urban arterial roadway all in accordance with Jefferson Parish and AASHTO requirements. Managed the resident inspection, review of submittals/ shop drawings, review of testing/ field reports, review of contractor's payment requests, and general administration of the construction process.
06/97 – 01/99	**Hickory Ridge Lane and Ferriday Court; Jefferson Parish, LA:** Project Manager for this new public roadway access to newly developed property. A stormwater detention analysis was prepared for the streets to determine drainage pipe sizes. Design included approximately 1,800 linear feet of new 15", 18", and 24" diameter reinforced concrete drainage pipe to serve the area with new sanitary sewer lines and a community water distribution system.
03/97 – 10/98	**Savannah Drive; Jefferson Parish, LA:** Design of public roadways for access to newly developed property. A stormwater detention analysis was prepared for the street to determine pipe sizes. Design included approximately 850 linear feet of new 15" and 18" reinforced concrete drain lines to serve the area.
02/96 – 06/98	**Henderson Street (Tchoupitoulas Street to Race Street); New Orleans, LA:** Project Manager for this 1,500 foot long, four lane divided roadway to serve the $194 million Phase IV of the New Orleans Convention Center. Design included approximately 2,500 linear feet of 15", 18", 24", and 30" diameter reinforced concrete drain pipe, 10,250 square yards of 9" thick Portland Cement concrete pavement, a new 16" diameter water main, and a new 12" diameter sanitary sewer main all to serve the convention center expansion.
01/95 – 11/96	**Wilson Avenue Improvements (Dwyer Road to US Hwy 90/Chef Menteur Highway); New Orleans, LA:** Project Manager for the design and construction of 2,400 linear feet of roadway to replace an existing four lane divided Portland Cement concrete roadway. Design included new 15", 18", 24", and 30" diameter reinforced concrete drain pipe to upgrade the existing drainage collection system, and new sanitary sewer collection mains and water mains.

Firm employed by	N-Y Associates, Inc.			
Name	Steven Fall, PE	Years of relevant experience with this employer	17	
Title	Structural Engineer	Years of relevant experience with other employer(s)	24	
Degree(s) / Years / Specialization		Master of Science/1989/ Engineering; BS/1984/Civil Engineering		
Active registration number / state / expiration date		23634/LA/03-31-2026		
Year registered	1990	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities		Bridge Design / Meets MPR No. 3		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s). ***Mr. Fall provided Bridge / Roadway Design and Cost Estimates for each project listed below.***
06/18 – 12/24	**Comite River Diversion Project – US Highway 61 (Airline Highway Bridges); East Baton Rouge Parish, LA: New northbound and southbound highway bridges for the US Highway 61 crossing** and the accompanying bypass road, pile load tests for the bridges, design of the diversion project discharge channel, the relocation of Barnett Road, and all required area drainage. **All work was performed to LADOTD standards and was reviewed by the LADOTD.**
02/21 – 12/26 est.	**Five (5) New "Waskey-type" Bridges associated with the West Shore Lake Pontchartrain Flood Protection System, WSLP-114; St. Charles and St. John the Baptist Parishes, LA: Design of five (5) new "Waskey-type" access bridges ranging in length from 60 feet to 160 feet** using precast deck panels, precast pile bent caps, and precast barrier rails supported on precast concrete piles. The bridges vary in width: 24-foot, 16 foot and 12 foot clear width, gutter to gutter. The bridges were designed for an AASHTO HS20 truck load (HL-93 loading).
03/20 – 12/26	**Carney Road Realignment and New Bridge; East Baton Rouge Parish, LA:** The realignment of approx. 1 mile of Carney Road which includes a **new 270 LF, 3-span bridge crossing Bayou Baton Rouge** using LADOTD LG girders. The new bridge will have 11' travel lanes and 8' shoulders/bicycle lanes to match the roadway width and meet East Baton Rouge's Complete Streets requirement.
06/99 – 04/10	**LA 1088 Interchange, Route Interstate 12; St. Tammany Parish, LA:** Design for an addition of a fully directional interchange to I-12 at LA 1088. The interchange includes: 6,585 LF of widening LA 1088 from a 2-lane roadway to a 4-lane divided roadway with a 30' depressed median; 8,648 LF of single lane ramps; A **new 446 LF westbound 2-lane bridge** using AASHTO Type IV precast pre-stressed concrete girders; Drainage included 24", 36", 42", 54", 60" and 72" diameter reinforced concrete and reinforced concrete arch pipes.
2001 – 2006	**Director of Engineering, Greater New Orleans Expressway Commission, Causeway Bridge; Metairie, LA: Mr. Fall provided oversight of all engineering work for the Causeway Bridge, which spans 24 miles and is one of the longest bridges over water in the world.** The movable bridge's parallel spans are made of prestressed panels supported by over 9,000 concrete pilings. Mr. Fall was responsible for the oversight, design review, project/program management and administration of all engineering consultants providing design, bidding, construction administration and resident inspection services.
12/08 – 03/14	**LA 1085 (Bootlegger Road) Intersection Improvements: St. Tammany Parish, LA:** A single-lane roundabout to replace the existing intersection of Bootlegger Road with Francis Road on the north and the Ochsner Boulevard on the south. The project also included relocation of utilities, a temporary detour road and phased construction of the roundabout to maintain traffic flow.
2015 – 2016	**Mississippi River LNG Flood Protection Project, LA 39; Bohemia, LA:** A proposed 9300 LF reinforced concrete, pile supported floodwall with two 30' vehicular access swing gates, pedestrian gates, and a 70' wide stop log access for future equipment. The height of the floodwall was approx. 27' above grade in accordance with the 100 year Base Flood Elevation and USACE HSDRSS standards.
2008 – 2013	**WBV-74 Western Tie-In Closure Structure at Bayou Verret (Sellars Canal) Navigable Sector Gate, Sluice Gates, Levees and Floodwalls); Jefferson and St. Charles Parishes, LA:** A 56 ft. wide, navigable sector gate; by-pass channel; 450 LF of T-wall; 1700 LF of earthen levee, a 5-gate sluice gate structure and a permanent access road.

Firm employed by	**N-Y Associates, Inc.**				
Name	**Fred Mortali, PE**		Years of relevant experience with this employer	**16**	
Title	**Civil Engineer**		Years of relevant experience with other employer(s)	**16**	
Degree(s) / Years / Specialization		**Bachelor of Engineering/1989**			
Active registration number / state / expiration date		**35111/LA/03-31-2026**			
Year registered	**2009**	Discipline	**Civil Engineering; Highway Safety Course**		
Contract role(s) / brief description of responsibilities		**Roadway and Drainage (including H&H modeling) Design /** **Meets MPR No. 2**			

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s). ***Mr. Mortali provided Roadway and Drainage (including H&H modeling) Design and Cost Estimates for each project listed below.***
06/18 – 12/23	**Comite River Diversion Project – US Highway 61 (Airline Highway Bridges); East Baton Rouge Parish, LA:** **New northbound and southbound highway bridges for the US Highway 61 crossing** and the accompanying bypass road, pile load tests for the bridges, design of the diversion project discharge channel, the relocation of Barnett Road, and all required area drainage.
03/20 – 10/26	**Carney Road Realignment and New Bridge; East Baton Rouge Parish, LA:** Design for a new alignment of approx. 1 mile of Carney Road. The new roadway includes two, 11' travel lanes and 8' shoulders/bicycle lanes meeting East Baton Rouge's Complete Streets requirements.
06/13 – 12/23	**Improvements to Duncan Canal and West Esplanade Avenue; Kenner, LA:** A Hydraulic Study and Preliminary & Final Design of the double barrel, 3000 CFS, 300 LF box culvert which will replace the existing bridges crossing the Duncan Canal. The project also included the reconstruction of approx. 700 LF of eastbound and westbound W. Esplanade Avenue. **This project was designed using LADOTD standards.**
11/18 – 06/22	**New On and Off Ramps at Lead Street to the Earhart Expressway (LA 3139) with Bridge Replacement; Jefferson Parish, LA:** A new at grade eastbound on-ramp from Lead Street to LA 3139; a new at grade westbound off-ramp from LA 3139 to Lead Street; and a new 100 LF reinforced concrete box culvert replacement for the existing Lead Street bridge over the Cross Canal, consisting of 2, 12'x14' barrels.
08/16 – 02/20	**Roadway and Drainage Improvements to France Road, from Hayne Boulevard to US 90/Chef Menteur Highway; New Orleans, LA:** Widening 7900 LF of roadway from two, 10' lanes to two 11' lanes with 4' shoulders and raising a portion of roadway to minimize potential periodic flooding.
01/18 – 12/25 est.	**LA Highway 23 (Happy Jack to N. Port Sulphur) Roadway and Drainage Improvements; Plaquemines Parish, LA:** Design for the reconstruction of the existing two-lane roadway to a new four-lane divided roadway with subsurface drainage and utility relocations. All work is being done to **LADOTD standards**.
01/10 – 12/18	**Program Management of the Eastbank FEMA Submerged Roads Program; Jefferson Parish, LA:** Mr. Mortali was the Program Manager for the Design and Construction Management of $83 million of FEMA funded concrete and asphalt street improvements. Mr. Mortali was responsible for overall program implementation including the oversight of 5 design engineers and approx. 20 construction contractors. Scope of work included providing the Parish with the necessary documentation for FEMA's Project Worksheets (PWs) – including periodic updates and re-versioning to ensure proper cost reimbursements.
06/14 – 12/16	**Veterans Administration Medical Center (VAMC) and University Medical Center (UMC) Infrastructure Improvements:** Roadway pavement complete with curbs; base; subsurface utilities, including drainage, water, and sanitary sewer installation; and, adjustments at driveways, intersecting streets, and project termini.
06/14 – 06/16	**North Galvez Street from Tennessee St. to Delery St.; New Orleans, LA:** The complete reconstruction of the street pavement including concrete pavement and curb, crushed stone base course, sidewalks, driveways, handicapped ramps; and replacement of subsurface utilities. Also included is CIPP Lining of 2,550 LF of 8" sewer mains and 2,000 LF of 6" sewer house connections.
06/14 – 06/16	**St. Roch Neighborhood Infrastructure Improvements; New Orleans, LA:** FEMA funded roadway pavement including curbs, base, ADA ramps, sidewalks and driveways. The project included design for full or partial repairs to approx. 90,000 LF of streets with either asphalt or concrete pavement.
06/15 – 06/18	**Alton Area Drainage Study and Phase I Improvements; St. Tammany Parish, LA:** Hydraulic Modeling of Existing Conditions and Proposed Improvements to alleviate street and nuisance flooding, utilizing SWWM. N-Y also designed Phase I of these proposed drainage improvements.

Firm employed by	N-Y Associates, Inc.			
Name	Neil Logan, PE	Years of relevant experience with this employer	40	
Title	Structural Engineer	Years of relevant experience with other employer(s)	18	
Degree(s) / Years / Specialization		Bachelor of Science/1961/Civil Engineering		
Active registration number / state / expiration date		14607/LA/03-31-2027		
Year registered	1974	Discipline	Civil Engineer	
Contract role(s) / brief description of responsibilities		QA/QC – ITR / Bridge and Roadway Design / Meets MPR No. 3		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s). ***Mr. Logan provided Bridge and Roadway Design for each project listed below.***
01/17 – 06/18	**Eastbound West Metairie Replacement Bridge over the Soniat Canal; Jefferson Parish, LA:** While working with another firm, Mr. Logan designed this bridge replacement to elevate the bridge above floodwaters. *The forty-foot spans are prestressed, precast Quad Beams which are 18" x 18" using 8500 psi concrete and are tensioned with 0.6 diameter strands. The piles are approx. 82' in length and are 18" square, prestressed, precast concrete.* The deck slab is 8 inches thick with 1/2 inch of sacrificial concrete on the riding surface. Expanded Polystyrene, weighing two pounds per cubic foot, was used instead of earth fill on the footings of the end bents.
11/17 – 06/18	**Lapalco Bridge Overpass of Bayou Segnette; Jefferson Parish, LA:** While working with another firm, ***Mr. Logan designed the repair and maintenance of this 40-year-old structure.*** Bent movements had resulted in excessive joint width, broken anchor bolts and downward movement of the curtain wall. Mr. Logan suggested that the curtain wall panels be moved to their original position and supported by galvanized steel angles.
01/17 – 06/18	**Eastbound West Metairie Replacement Bridge over the Soniat Canal; Jefferson Parish, LA:** While working with another firm, Mr. Logan designed this bridge replacement to elevate the bridge above floodwaters. *The forty-foot spans are prestressed, precast Quad Beams which are 18" x 18" using 8500 psi concrete and are tensioned with 0.6 diameter strands. The piles are approx. 82' in length and are 18" square, prestressed, precast concrete.* The deck slab is 8 inches thick with 1/2 inch of sacrificial concrete on the riding surface. Expanded Polystyrene, weighing two pounds per cubic foot, was used instead of earth fill on the footings of the end bents.
06/91 – 12/00	**Canal No. 3 Drainage Improvements and Replacement Bridge; Jefferson Parish, LA:** Improvements to Drainage Canal No. 3 from I-10 to the Elmwood Canal consisting of an 1800 LF, 90' wide concrete flume section with side slope paving and a capacity of 4000 CFS. ***The project included a 34'w x 250'l, 2-lane replacement vehicular bridge composed of pre-stressed, pre-cast hollow core slabs, with 50 ft. spans designed for AASHTO HS-20 loading.***
01/04 – 01/07	**Florida Avenue Bridge and Expressway; Orleans and St. Bernard Parishes, LA: Preliminary Plan & (70%) final plans for a 9000 LF high-level bridge over the IHNC at Florida Avenue, with a vertical clearance of 156' above high water** and composed of pre-stressed concrete girder spans and composite steel spans, with reinforced concrete bents.
1986 – 1988	**Alexandria Urban Interchange Bridges, I-49/US 71 (Section 3); Rapides Parish, LA:** Final Roadway and Bridge Plans for I-49 dual roadway and ramp structures, consisting of ***9,072 LF of structure with 99 spans.*** **The bridges included Type III and Type IV prestressed concrete girders and straight and curved steel girders with structures up to 37' above grade.**
1984 – 1986	**Industrial Loop to McCarey Road (Section 1) Roadway and Bridges; Caddo Parish, LA:** Final Roadway and Bridge Plans for a 1.06 mile, four-lane divided highway, which included ***twin, steel trapezoidal box girder bridges.***
1983 – 1985	**North-South Expressway (I-49); Lafayette to Opelousas, LA:** Upgrade of an existing state highway to interstate highway standards including frontage roads with open ditches, stabilized base, and asphalt concrete surfacing. **Two interchanges & two overpasses consisting of 7 multi-span P.C.C. girders & P.C.C. deck slabs were also included.**
1981 – 1983	**Arizona Street Interchange at I-10; Calcasieu Parish, LA:** Preliminary and Final Roadway and Bridge Plans for *new 4-span, 140 LF prestressed concrete bridges over I-10; new 5-span, 100 LF reinforced concrete bridge over Bayou D'Inde; new 7-span, 140 LF reinforced concrete bridge over Bayou D'Inde; and the widening of an 8-span, 160 LF existing bridge over Bayou D'Inde.*

Firm employed by	N-Y Associates, Inc.			
Name	Bruce J. Richards, AICP, PTP, GIP	Years of relevant experience with this employer	26	
Title	Vice President and Director of Planning	Years of relevant experience with other employer(s)	11	
Degree(s) / Years / Specialization		Master of City Planning/1989/Planning		
Active registration number / state / expiration date		AICP No. 126106; PTP No. 643; GIP No. 974		
Year registered	1999	Discipline	American Institute of Certified Planners; Professional Transportation Planner, Green Infrastructure Practitioner; NHI 142005/NHPA 106	
Contract role(s) / brief description of responsibilities		Environmental Permitting including SOVs and Categorical Exclusions		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s). ***Mr. Richards provided Transportation Planning and Environmental Services for each project listed below.***
01/22 – 06/25	**Replacement of Rural Bridges on LA Highway 119, LADOTD District 08; Natchitoches Parish, LA:** H&H Modeling utilizing LADOTD HYDRWIN software as well as the USACE HEC-RAS and design for the replacement of **five (5) rural bridges** crossing Creek 1, 2,3, and 4 and Bayou Pierre on the State Highway 119 in LADOTD District 08. Mr. Richards assisted LADOTD in receiving Categorical Exclusions (CE) for the work at each bridge.
01/22 – 06/25	**Replacement of Rural Bridges on LA Highway 1199, LADOTD District 08; Rapides Parish, LA:** H&H Modeling utilizing LADOTD HYDRWIN software as well as the USACE HEC-RAS and design for the replacement of **three (3) rural bridges** crossing Creek 1, and 2 and Spring Creek on the State Highway 1199 in LADOTD District 08. Mr. Richards assisted LADOTD in receiving Categorical Exclusions (CE) for the work at each bridge.
01/22 – 06/25	**Replacement of Rural Bridges on LA Highway 124, LADOTD District 58; Catahoula Parish, LA:** H&H Modeling utilizing LADOTD HYDRWIN software as well as the USACE HEC-RAS and design for the replacement of **three (3) rural bridges** crossing Broke Leg Bayou, Boggy Bayou, and Creek on the State Highway 124 in LADOTD District 58. Mr. Richards assisted LADOTD in receiving Categorical Exclusions (CE) for the work at each bridge.
01/22 – 06/25	**Replacement of Rural Bridges on LA Highway 472 and 577, LADOTD Districts 08 and 58; Grant and Franklin Parishes, LA:** H&H Modeling utilizing LADOTD HYDRWIN software as well as the USACE HEC-RAS and design for the replacement of **four (4) rural bridges** crossing Indian Creek, Big Bear Creek, Bull Bayou, and Creek on the State Highway 427 and 577 in LADOTD Districts 08 and 58. Mr. Richards assisted LADOTD in receiving Categorical Exclusions (CE) for the work at each bridge.
08/11 - 12/20	**LA Highway 23 (Happy Jack to N. Port Sulphur) Environmental Assessment and Design; Plaquemines Parish, LA:** Environmental Assessment for the reconstruction of the existing two-lane roadway to a new four-lane divided roadway with subsurface drainage and utility relocations. **All work was done to LADOTD standards.**
06/99 – 04/10	**LA 1088 Interchange, Route Interstate 12; St. Tammany Parish, LA:** Design for an addition of a fully directional interchange to I-12 at LA 1088. The interchange includes: 6,585 LF of widening LA 1088 from a 2-lane roadway to a 4-lane divided roadway with a 30' depressed median; 8,648 LF of single lane ramps; A **new 446 LF westbound 2-lane bridge** using AASHTO Type IV precast pre-stressed concrete girders; Drainage included 24", 36", 42", 54", 60" and 72" diameter reinforced concrete and reinforced concrete arch pipes.
06/08 – 06/25 Est.	**Environmental Impact Statement (EIS) and Interchange Justification Report (IJR) for US 61 at Reserve to I-10 Port Connector Road; St. John the Baptist Parish, LA:** Environmental Impact Statement for new roadway and bridge alternatives for port, commercial and local traffic to connect US 61 to I-10 in St. John Parish. Identification of the preferred alternative, which includes a new I-10 interchange in St. John Parish, required an Interchange Justification Report to be prepared concurrently with the preparation of the Final Environmental Impact Statement (FEIS).
09/16 – 12/23	**LA 3234 Extension (LA 1065 to Hammond Airport) Stage 1 Environmental Assessment; Tangipahoa Parish, LA:** Engineering, Environmental, and Planning Services for a Stage 1 Environmental Assessment (including Concept Engineering Design) for extending LA 3234 to improve east-west connectivity through Hammond. The extended roadway segment will also include the LADOTD complete Streets policy and add pedestrian and bicycle facilities. Several small bridges are also included.

Firm employed by	**N-Y Associates, Inc.**			
Name	**Patricia R. Claverie, EI, MS**	Years of relevant experience with this employer	**4**	
Title	**Engineer Intern**	Years of relevant experience with other employer(s)	**21**	
Degree(s) / Years / Specialization		**Master of Science/2003/Engineering Management** **Bachelor of Science/2000/Civil & Environmental Engineering**		
Active registration number / state / expiration date		**19340/LA/09-30-2026**		
Year registered	**2000**	Discipline	**Civil Engineering Intern**	
Contract role(s) / brief description of responsibilities		**H&H Modeling and Drainage 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 years of experience specified in the applicable MPR(s). ***Ms. Claverie provided H&H Modeling and Civil and Hydraulic Engineering for each project listed below.***
01/22 – 06/25	**Replacement of Rural Bridges on LA Highway 119, LADOTD District 08; Natchitoches Parish, LA:** H&H Modeling utilizing LADOTD HYDRWIN software as well as the USACE HEC-RAS and design for the replacement of **five (5) rural bridges** crossing Creek 1, 2,3, and 4 and Bayou Pierre on the State Highway 119 in LADOTD District 08. Solicitation of Views and Preparation of the Categorical Exclusion document in compliance with NEPA and FHWA criteria and guidelines. This project includes Preliminary and Final Bridge Plans and Bridge Load Rating Reports.
01/22 – 06/25	**Replacement of Rural Bridges on LA Highway 1199, LADOTD District 08; Rapides Parish, LA:** H&H Modeling utilizing LADOTD HYDRWIN software as well as the USACE HEC-RAS and design for the replacement of **three (3) rural bridges** crossing Creek 1, and 2 and Spring Creek on the State Highway 1199 in LADOTD District 08. Solicitation of Views and Preparation of the Categorical Exclusion document in compliance with NEPA and FHWA criteria and guidelines. This project includes Preliminary and Final Bridge Plans and Bridge Load Rating Reports.
01/22 – 06/25	**Replacement of Rural Bridges on LA Highway 124, LADOTD District 58; Catahoula Parish, LA:** H&H Modeling utilizing LADOTD HYDRWIN software as well as the USACE HEC-RAS and design for the replacement of **three (3) rural bridges** crossing Broke Leg Bayou, Boggy Bayou, and Creek on the State Highway 124 in LADOTD District 58. Solicitation of Views and Preparation of the Categorical Exclusion document in compliance with NEPA and FHWA criteria and guidelines. This project includes Preliminary and Final Bridge Plans and Bridge Load Rating Reports.
01/22 – 06/25	**Replacement of Rural Bridges on LA Highway 472 and 577, LADOTD Districts 08 and 58; Grant and Franklin Parishes, LA:** H&H Modeling utilizing LADOTD HYDRWIN software as well as the USACE HEC-RAS and design for the replacement of **four (4) rural bridges** crossing Indian Creek, Big Bear Creek, Bull Bayou, and Creek on the State Highway 427 and 577 in LADOTD Districts 08 and 58. Solicitation of Views and Preparation of the Categorical Exclusion document in compliance with NEPA and FHWA criteria and guidelines. This project includes Preliminary and Final Bridge Plans and Bridge Load Rating Reports.
09/21 – 12/24	**Coin Du Lestin Road Elevation; Slidell, LA:** H&H Modeling utilizing HEC-RAS that illustrates the existing conditions, determines the required roadway elevations to prevent inundation in a 100-year event, evaluates the drainage impacts that will occur due to raising the roadway elevations, and provides a final recommendation.
With Other Firms	
09/11 – 10/20	**USACE – Southeast Louisiana Urban Flood Control Program (SELA); Orleans Parish, LA:** Ms. Claverie provided construction and program management services for the Sewerage and Water Board (S&WB) of New Orleans on the $1B drainage improvement program. She coordinated the design and construction work for the S&WB between the USACE and the design A/E firms. She reviewed contract and construction documents for constructability, inputted review comments into Dr. Checks, coordinated acquisitions of rights-of-way and construction easements, and reviewed the design of the relocation of utilities. She performed computer hydraulic modeling using the XP-SWMM program for major drainage canals and systems to determine the existing conditions and required drainage improvements, evaluated water surface profiles for existing and proposed improvements, and prepared conceptual plans and preliminary construction cost estimates for various open and covered canals.
07/06 – 01/08	**Concord Road, Beaumont, TX:** Design of the reconstruction of 5 miles of roadway from 2-lanes to 4-lanes. This project also included improving the drainage for the adjacent residential areas. Ms. Claverie was responsible for completing the hydrologic studies, hydraulic design, traffic control plans, storm water pollution prevention plans, sanitary sewer and water line improvement plans, bridge layouts, ROW plans and plan-profile sheets.

Firm employed by	**N-Y Associates, Inc.**			
Name	**Dennis Voss, NICET Level IV**		Years of relevant experience with this employer	**51**
Title	**Senior Engineering Technician**		Years of relevant experience with other employer(s)	**8**
Degree(s) / Years / Specialization			**Associates Degree/1968/Engineering Technology**	
Active registration number / state / expiration date			**54584/12-01-2026**	
Year registered		Discipline	**Engineering Technician, Level IV**	
Contract role(s) / brief description of responsibilities			**Senior Engineering Technician / Roadway and Drainage 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 years of experience specified in the applicable MPR(s). ***Mr. Voss provided Geometric Layouts, Bridge / Roadway and Drainage Design, Rights-of-Way and Cost Estimates for each project listed below.***
01/22 – 06/25	**Replacement of Rural Bridges on LA Highway 119, LADOTD District 08; Natchitoches Parish, LA:** H&H Modeling utilizing LADOTD HYDRWIN software as well as the USACE HEC-RAS and design for the replacement of **five (5) rural bridges** crossing Creek 1, 2,3, and 4 and Bayou Pierre on the State Highway 119 in LADOTD District 08. Solicitation of Views and Preparation of the Categorical Exclusion document in compliance with NEPA and FHWA criteria and guidelines. This project includes Preliminary and Final Bridge Plans and Bridge Load Rating Reports.
01/22 – 06/25	**Replacement of Rural Bridges on LA Highway 1199, LADOTD District 08; Rapides Parish, LA:** H&H Modeling utilizing LADOTD HYDRWIN software as well as the USACE HEC-RAS and design for the replacement of **three (3) rural bridges** crossing Creek 1, and 2 and Spring Creek on the State Highway 1199 in LADOTD District 08. Solicitation of Views and Preparation of the Categorical Exclusion document in compliance with NEPA and FHWA criteria and guidelines. This project includes Preliminary and Final Bridge Plans and Bridge Load Rating Reports.
01/22 – 06/25	**Replacement of Rural Bridges on LA Highway 124, LADOTD District 58; Catahoula Parish, LA:** H&H Modeling utilizing LADOTD HYDRWIN software as well as the USACE HEC-RAS and design for the replacement of **three (3) rural bridges** crossing Broke Leg Bayou, Boggy Bayou, and Creek on the State Highway 124 in LADOTD District 58. Solicitation of Views and Preparation of the Categorical Exclusion document in compliance with NEPA and FHWA criteria and guidelines. This project includes Preliminary and Final Bridge Plans and Bridge Load Rating Reports.
01/22 – 06/25	**Replacement of Rural Bridges on LA Highway 472 and 577, LADOTD Districts 08 and 58; Grant and Franklin Parishes, LA:** H&H Modeling utilizing LADOTD HYDRWIN software as well as the USACE HEC-RAS and design for the replacement of **four (4) rural bridges** crossing Indian Creek, Big Bear Creek, Bull Bayou, and Creek on the State Highway 427 and 577 in LADOTD Districts 08 and 58. Solicitation of Views and Preparation of the Categorical Exclusion document in compliance with NEPA and FHWA criteria and guidelines. This project includes Preliminary and Final Bridge Plans and Bridge Load Rating Reports.
06/18 – 12/24	**Comite River Diversion Project – US Highway 61 (Airline Highway Bridges); East Baton Rouge Parish, LA: New northbound and southbound highway bridges for the US Highway 61 crossing** and the accompanying bypass road, pile load tests for the bridges, design of the diversion project discharge channel, the relocation of Barnett Road, and all required area drainage. **All work was performed to LADOTD standards and was reviewed by the LADOTD.**
09/24 – 12/25 est.	**FPA-E: LPV-111 Bridge Assessment and Rehabilitation Design; New Orleans, LA: Rehab of the existing LPV-111 bridge** which was contractor designed and constructed using existing concrete abutments with new steel H-pile bents and rolled steel framing to support timber mats. The deck width is 20-ft and the bridge is 102-ft long which 35-ft end spans and two 16-ft center spans.
06/99 – 04/10	**LA 1088 Interchange, Route Interstate 12; St. Tammany Parish, LA:** Design for an addition of a fully directional interchange to I-12 at LA 1088. The interchange includes: 6,585 LF of widening LA 1088 from a 2-lane roadway to a 4-lane divided roadway with a 30' depressed median; 8,648 LF of single lane ramps; A **new 446 LF westbound 2-lane bridge** using AASHTO Type IV precast pre-stressed concrete girders; Drainage included 24", 36", 42", 54", 60" and 72" diameter reinforced concrete and reinforced concrete arch pipes.
06/01 – 05/08	**Improvements to Destrehan Avenue, Phases I & II (Lapalco Blvd. to the West Bank Expr.); Jefferson Parish, LA:** *Phase I* consisted of widening a 1.24 mile, 2-lane urban roadway with open ditches to a 4-lane asphaltic concrete urban roadway with curb & gutters, swale ditches and subsurface drainage. The project also included the relocation of a sewer lift station and widening, lengthening, and raising **a three-span, prestressed, precast concrete girder bridge**. *Phase II* consisted of widening a 1.1 mile, 2-lane urban roadway to a 4-lane roadway with curb & gutter, swale ditches, subsurface drainage and asphaltic concrete. This phase was realigned to improve access to the Harvey Tunnel.

06/91 – 12/00	**Canal No. 3 Drainage Improvements and Replacement Bridge; Jefferson Parish, LA:** Improvements to Drainage Canal No. 3 from I-10 to the Elmwood Canal consisting of an 1800 LF, 90' wide concrete flume section with side slope paving and a capacity of 4000 CFS. ***The project included a 34'w x 250'l, 2-lane replacement vehicular bridge composed of pre-stressed, pre-cast hollow core slabs, with 50 ft. spans designed for AASHTO HS-20 loading.***
06/13 – 12/23	**Improvements to Duncan Canal and West Esplanade Avenue; Kenner, LA:** A Hydraulic Study and Preliminary & Final Design of the double barrel, 3000 CFS, 300 LF box culvert which will replace the existing bridges crossing the Duncan Canal. The project also included the reconstruction of approx. 700 LF of eastbound & westbound W. Esplanade Avenue. **This project was designed using LADOTD standards.**
11/18 – 06/22	**New On and Off Ramps at Lead Street to the Earhart Expressway (LA 3139) with Bridge Replacement; Jefferson Parish, LA:** A new at grade eastbound on-ramp from Lead Street to LA 3139; a new at grade westbound off-ramp from LA 3139 to Lead Street; and a new 100 LF reinforced concrete box culvert replacement for the existing Lead Street bridge over the Cross Canal, consisting of 2, 12'x14' barrels.
12/08 – 03/14	**LA 1085 (Bootlegger Road); St. Tammany Parish, LA:** Design of a single-lane roundabout to replace the existing intersection of Bootlegger Road with Francis Road on the north and the newly completed Ochsner Boulevard on the south. The project also included relocation of utilities, a temporary detour road and phased construction of the roundabout to maintain traffic flow through the intersection during construction.
08/11 – 12/25 est.	**LA Highway 23 (Happy Jack to N. Port Sulphur) Environmental Assessment and Design; Plaquemines Parish, LA:** Environmental Assessment, Topographic Survey and Design for the reconstruction of the existing two-lane roadway to a new four-lane divided roadway with subsurface drainage and utility relocations. **All work is being done to LADOTD standards.**
08/16 – 02/20	**Improvements to France Road, from Hayne Boulevard to US 90/Chef Menteur Highway for the Port of New Orleans:** The full reconstruction of 1.5 miles of roadway from two, 10' lanes to two, 11' lanes with 4' shoulders. A portion of the roadway was also raised to minimize potential periodic flooding.
09/16 – 12/23	**LA 3234 Extension (LA 1065 to Hammond Airport) Stage 1 Environmental Assessment; Tangipahoa Parish, LA:** Engineering, Environmental, and Planning Services for a Stage 1 Environmental Assessment (including Concept Engineering Design) for extending LA 3234 to improve east-west connectivity through Hammond. The extended roadway segment includes the LADOTD complete Streets policy and pedestrian and bicycle facilities. Several small bridges are also included.
06/08 – 06/25 est.	**Environmental Impact Statement (EIS) and Interchange Justification Report (IJR) for US 61 at Reserve to I-10 Port Connector Road; St. John the Baptist Parish, LA:** Environmental Impact Statement for new roadway and bridge alternatives for port, commercial and local traffic to connect US 61 to I-10 in St. John Parish. Identification of the preferred alternative, which includes a new I-10 interchange in St. John Parish, required an Interchange Justification Report to be prepared concurrently with the preparation of the Final Environmental Impact Statement (FEIS).
03/14 – 07/18	**US 51 (LA 22 to Club Deluxe Rd.) Stage 1 Environmental Assessment; Tangipahoa Parish, LA:** Stage 1 Environmental Assessment (including Concept Engineering Design) for added capacity and roadway, bridge and intersection improvements to US 51. The preferred alternative includes a complete streets cross-section which includes addition of a new median, new bicycle lanes buffered from travel lanes, and new sidewalks for pedestrians.
07/04 – 03/08	**Environmental Assessment and Preliminary Engineering for a New Lapalco Boulevard Bridge Crossing the Harvey Canal; Jefferson Parish, LA:** Line & Grade Study and an Environmental Assessment (including Preliminary Engineering Design) for a new westbound, double leaf bascule (moveable span) bridge crossing the Harvey Canal at Lapalco Boulevard parallel to the existing moveable bridge. The project also included the conversion of the existing bridge to an eastbound, three-lane facility with a separate bicycle/pedestrian lane.
1986 - 1988	**Alexandria Urban Interchange Bridges, I-49/US 71 (Section 3); Rapides Parish, LA:** Final Plans for I-49 dual roadway and ramp structures, consisting of **9,072 LF of structure with 99 spans. The bridges included Type III and Type IV prestressed concrete girders and straight & curved steel girders with structures up to 37' above grade**.
1984 - 1986	**Industrial Loop to McCarey Road (Section 1) Roadway and Bridges; Caddo Parish, LA:** Final Roadway and Bridge Plans for a 1.06 mile, four-lane divided highway, which included ***twin, steel trapezoidal box girder bridges***.
1983 - 1985	**North-South Expressway (I-49); Lafayette to Opelousas, LA:** Upgrade of an existing state highway to interstate highway standards including frontage roads with open ditches, stabilized base, and asphalt concrete surfacing. **Two interchanges & two overpasses consisting of 7 multi-span P.C.C. girders & P.C.C. deck slabs were also included.**

Firm employed by	N-Y Associates, Inc.			
Name	Noah Jackson, CADD		Years of relevant experience with this employer	7
Title	Senior CADD Technician		Years of relevant experience with other employer(s)	19
Degree(s) / Years / Specialization			Associates Degree/1985/Engineering Technology	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			Senior CADD Technician / Roadway and Bridge	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s). ***Mr. Jackson provided Geometric Layouts and Engineering CADD for each project listed below.***
01/22 – 06/25	**Replacement of Rural Bridges on LA Highway 119, LADOTD District 08; Natchitoches Parish, LA:** H&H Modeling utilizing LADOTD HYDRWIN software as well as the USACE HEC-RAS and design for the replacement of **five (5) rural bridges** crossing Creek 1, 2,3, and 4 and Bayou Pierre on the State Highway 119 in LADOTD District 08. Solicitation of Views and Preparation of the Categorical Exclusion document in compliance with NEPA and FHWA criteria and guidelines. This project includes Preliminary and Final Bridge Plans and Bridge Load Rating Reports.
01/22 – 06/25	**Replacement of Rural Bridges on LA Highway 1199, LADOTD District 08; Rapides Parish, LA:** H&H Modeling utilizing LADOTD HYDRWIN software as well as the USACE HEC-RAS and design for the replacement of **three (3) rural bridges** crossing Creek 1, and 2 and Spring Creek on the State Highway 1199 in LADOTD District 08. Solicitation of Views and Preparation of the Categorical Exclusion document in compliance with NEPA and FHWA criteria and guidelines. This project includes Preliminary and Final Bridge Plans and Bridge Load Rating Reports.
01/22 – 06/25	**Replacement of Rural Bridges on LA Highway 124, LADOTD District 58; Catahoula Parish, LA:** H&H Modeling utilizing LADOTD HYDRWIN software as well as the USACE HEC-RAS and design for the replacement of **three (3) rural bridges** crossing Broke Leg Bayou, Boggy Bayou, and Creek on the State Highway 124 in LADOTD District 58. Solicitation of Views and Preparation of the Categorical Exclusion document in compliance with NEPA and FHWA criteria and guidelines. This project includes Preliminary and Final Bridge Plans and Bridge Load Rating Reports.
01/22 – 06/25	**Replacement of Rural Bridges on LA Highway 472 and 577, LADOTD Districts 08 and 58; Grant and Franklin Parishes, LA:** H&H Modeling utilizing LADOTD HYDRWIN software as well as the USACE HEC-RAS and design for the replacement of **four (4) rural bridges** crossing Indian Creek, Big Bear Creek, Bull Bayou, and Creek on the State Highway 427 and 577 in LADOTD Districts 08 and 58. Solicitation of Views and Preparation of the Categorical Exclusion document in compliance with NEPA and FHWA criteria and guidelines. This project includes Preliminary and Final Bridge Plans and Bridge Load Rating Reports.
06/18 – 12/24	**Comite River Diversion Project – US Highway 61 (Airline Highway Bridges); East Baton Rouge Parish, LA: New northbound and southbound highway bridges for the US Highway 61 crossing** and the accompanying bypass road, pile load tests for the bridges, design of the diversion project discharge channel, the relocation of Barnett Road, and all required area drainage. **All work was performed to LADOTD standards and was reviewed by the LADOTD.**
11/19 – 12/25	**Carney Road Realignment and New Bridge; East Baton Rouge Parish, LA:** A new alignment of approx. 1 mile of Carney Road and a **new 3-span bridge crossing Bayou Baton Rouge** using LADTOD LG girders. The new roadway and bridge will both include two, 11' travel lanes and 8' shoulders/bicycle lanes meeting East Baton Rouge's Complete Streets requirements.
02/21 – 12/25	**Five (5) New "Waskey-type" Bridges associated with the West Shore Lake Pontchartrain Flood Protection System, WSLP-114; St. Charles and St. John the Baptist Parishes, LA: Design of five (5) new "Waskey-type" access bridges** ranging in length from 60 feet to 160 feet using precast deck panels, precast pile bent caps, and precast barrier rails supported on precast concrete piles. The bridges vary in width: 24-foot, 16-foot and 12-foot clear width, gutter to gutter. The bridges were designed for an AASHTO HS20 truck load (HL-93 loading).
06/20 – 06/25	**WSLP-109, Westshore Lake Pontchartrain Levees and Floodwalls; St. Charles Parish, LA:** The work includes: 5580 LF of new levee, 354 LF of T-wall crossing over nine (9) pipelines, transition floodwalls tying the T-wall into the levee section, multiple T-wall monoliths up to 11' high designed to current HSDRRS criteria; and a multi-culvert crossing of the interior drainage canal at the access road.

Firm employed by:	SJB Group, L.L.C.				
Name	Matthew Estopinal, PE, PLS		Years of relevant experience with this employer	3	
Title	Survey Project Manager		Years of relevant experience with other employer(s)	15	
Degree(s) / Years / Specialization			BS/2009/Civil Engineering; BS/1996/Microbiology		
Active registration number / state / expiration date			4955/LA/03-31-2027; 39151/LA/03-31-2027		
Year registered	2006; 2014	Discipline	Professional Surveyor; Civil Engineer		
Contract role(s) / brief description of responsibilities			Surveyor / Property Surveys and ROW Maps / Meets MPR No. 4		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s). ***Mr. Estopinal has 17 years of experience as a PLS in Louisiana managing transportation and community development related projects for private clients, MoveBR, and LA DOTD. His survey experience includes Boundary, Topographic, As-Built and ALTA Surveys, Right-of-Way Mapping, Construction Layout, and control for aerial survey and mapping.***
07/21 –10/23	**LA DOTD Project No. H.004100.5 – I-10: LA 415 to Essen on I-10 and I-12:** *QA/QC.* SJB Group provided a Property Survey and extensive Right-of-Way Mapping for approximately 4 miles of I-10 as well as multiple intersecting streets, for which a property map was created that encompassed the parcels affected by acquisition and accessibility. The project also included the creation of Base Right-of-Way Maps; Final Right-of-Way Map set of original matte films; drawing files; along with a pdf copy of the Full Title Research Reports with affected parcel number and an ASCII parcel input file descriptions for approximately 125 parcels.
08/20– 04/24	**LA DOTD 44-17597 - Rural Bridge Replacement Initiative, Districts 03, 07, 61, 62:** *QA/QC.* SJB Group performed topographic surveying, property surveying, right-of-way mapping, and roadway design of 33 bridge replacements in Districts 03, 07, 61, and 62 as a sub-consultant to Burk-Kleinpeter within their contract with the LA Department of Transportation. The Surveys were provided in accordance with the current Locations and Survey Manual and Addendum A.
04/23 – 09/23	**LA DOTD Project No. H.017322.5 – Morgan City Sidewalks & Shared Use Path, St. Mary Parish:** *QA/QC.* Sub to Digital Engineering. This project included Right-of-Way Mapping, Topographic Surveying, and Subsurface Utility Engineering to assist in the installation of sidewalks, handicapped ramps, drainage structures, and other related work in Morgan City. All surveying was performed to LADOTD Location & Survey Section requirements and delivered in Autodesk format.
03/22 – 08/23	**LA DOTD Project No. H.012685.5 – LA 385: Ryan Street Intersection Improvements:** *QA/QC.* This project included a Topographic Survey in Calcasieu Parish near the intersection of I-210 and LA 385 (Ryan Street) near the campus of McNeese State University. The survey included all utilities, drainage, and finish floor elevations of buildings that fell within the survey limits. The total linear distance was approximately 2.67 miles. LiDAR Data was gathered using a Velodyne Mobile Scanner and Ladybug. Terrestrial Surveying was performed using a Leica TS16 Robotic Total Station and a Leica GS18 T GNSS RTK Rover. Data was processed using OpenRoads Designer TopoDOT and InSuite MicroStation. All surveying was performed to LADOTD Location & Survey Section requirements.
07/21 - 02/22	**LA DOTD Project No. H.013715.5 – LA 77 Union Pacific Railroad Crossing (Iberville):** *QA/QC.* This project consisted of Property Surveying, Right-of-Way Mapping and Topographic Surveying for a project that included the depiction of a railroad right-of-way, state-maintained highway, and city streets. The deliverables included preparation of a Property Map, Base Right-of-Way Maps, Final Right-of-Way Maps and the creation of a parcel input file for acquisition descriptions of the subject area. All surveying was performed to LADOTD Location & Survey Section Addendum A requirements.
10/20 – 08/22	**LA DOTD Project No. H.002176.50 – LA 10 Bridges:** *QA/QC.* The LA 10 Bridges project in St. Landry Parish included Property Surveying and Right-of-Way Mapping for three sites. The property survey depicted the affected properties, the existing Right-of-Way for LA Hwy 10, and multiple state-claimed water bodies. The Property Survey was utilized for creating Base Right-of-Way maps, Final Right-of-Way Maps and ASCII parcel input files for acquisition parcels. All surveying was performed to LADOTD Location & Survey Section Addendum A requirements.
06/21 – 10/21	**H LA DOTD Project No. H.007963 – Blackwater Bayou Bridge:** *Project Manager/QA/QC.* This project required replacement of the Bayou River Bridge and a diversion road during construction along LA Hwy 410 in East Baton Rouge Parish near the City/Town of Central. This project involved Property Surveys, Right-of-Way maps, and title take-offs. This project went through design changes which halted project progress temporarily and significantly changed the required right-of-way taking. All surveying was performed to LADOTD Location & Survey Section Addendum A requirements.

Firm employed by:	**SJB Group, L.L.C.**				
Name	**Charles "Tim" Brewer, RF, PS, PLS, RPLS, RPP**		Years of relevant experience with this employer	**3**	
Title	**Asst. Survey Project Manager**		Years of relevant experience with other employer(s)	**28**	
Degree(s) / Years / Specialization			**BS/1988/Forestry Management**		
Active registration number / state / expiration date			**5009/LA/09-30-2025**		
Year registered	**2009**	Discipline	**Professional Surveyor**		
Contract role(s) / brief description of responsibilities			**Surveyor / Property Surveys and ROW Maps / Meets MPR No. 4**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Mr. Brewer, has over 30 years of survey experience and over 15 years of experience managing a wide variety of surveying projects for USACE, MDOT, LADOTD, MovEBR, MoveAscension, and private clients. His survey experience includes Boundary, Topographic, As-Built and ALTA Surveys, Right-of-Way Mapping, Construction Layout, and control for aerial survey and mapping.
10/23 – 12/24	**LA DOTD Project No. H005121.5 LA 1 – LA 415 Connector:** *Project Manager.* The project provides field data for the design of a roadway to connect LA 415 to LA 1. The project is a supplement to previously performed surveying for the realignment of the due to recent development and construction. The project limits include a 2.9-mile corridor beginning approximately 0.2 miles north of the intersection of I-10 and LA 415 and continuing in a southeasterly direction along the extension of LA 415 across the intercoastal canal, industrial areas, and agriculture field to the intersection of LA 1. The project limits also include an approximate 1.8-mile corridor along LA 1 that extends from the roadway into residential, commercial, and retail areas. The project includes the collection of current conditions of the areas included in the project limits and merging the current data with the previous survey and updating any observed condition changes. The project includes the recovery and supplement of the existing control network. The collection of field data is completed through the utilization of conventional survey methods with survey total stations and global positioning systems (GPS). Mobile LiDaR methods are utilized for the collection of data along the high traffic segments of LA 1 and processed through Trimble Business Center, with data extraction performed through TopoDot. The survey is being conducted according to the Louisiana Department of Transportation and Development Location and Survey Manual. The deliverables will be provided in accordance with the LADOTD guidelines for electronic deliverables.
04/23 – 09/23	**LA DOTD Project No. H.017322.5 – Morgan City Sidewalks & Shared Use Path, St. Mary Parish:** *Surveyor of Record/Project Manager.* Sub to Digital Engineering. This project included Right-of-Way Mapping, Topographic Survey, and Subsurface Utility Engineering to assist in the installation of sidewalks, handicapped ramps, drainage structures, and other related work in Morgan City. The project limits included Everett Street from Front Street to 4th Street, 4th Street from Everett Street to Barrow Street, and Myrtle Street from Youngs Road to Auditorium Drive. In the performance of this contract the existing right-of-way of twenty streets, one state highway right-of-way, and an irregular railroad right-of-way was determined at two crossing locations. All surveying was performed to LADOTD Location & Survey Section requirements. The deliverables were provided in Autodesk format.
08/22 – 04/24	**LA DOTD 44-17597 - Rural Bridge Replacement Initiative, Districts 03, 07, 61, 62:** *Project Manager.* Sub to Burk-Kleinpeter. This project included a Topographic Survey, Right-of-Way Mapping, and roadway design performed for the proposed bridge replacements for LA DOTD Districts 03, 07, 61, and 62. Each site required a complete property map and the preparation of Right-of-Way Maps with supporting data for right-of-way acquisition. The Topographic Survey of the project limits of each bridge included a complete inventory for each drainage structure (type, size, length, and invert) and cross sections of all drainage ways. A Leica TS16 Robotic Total Station and a Leica GS18 T GNSS RTK Rover were used. All surveying was performed to LADOTD Location & Survey Section requirements.
03/22 – 08/22	**LA DOTD Project No. H.012685.5 – LA 385: Ryan Street Intersection Improvements:** *Project Manager.* This project included a Topographic Survey in Calcasieu Parish near the intersection of I-210 and LA 385 (Ryan Street) near the campus of McNeese State University. The survey included all utilities, drainage, and finish floor elevations of buildings that fell within the survey limits. The total linear distance was approximately 2.67 miles. LiDAR Data was gathered using a Velodyne Mobile Scanner and Ladybug. Terrestrial Surveying was performed using a Leica TS16 Robotic Total Station and a Leica GS18 T GNSS RTK Rover. Data was processed using OpenRoads Designer TopoDOT and InSuite MicroStation. All surveying was performed to LADOTD Location & Survey Section requirements.
06/22 - Ongoing	**LA DOTD Project No. H.004100.5 – I-10: LA 415 to Essen on I-10 and I-12:** *Project Manager.* SJB Group performed the property surveying along a 4.4-mile stretch of Interstate 10 from St. Joseph St. to College Dr. in East Baton Rouge Parish, Louisiana for the Louisiana Department of Transportation and Development's widening project. This project required extensive title research to acquire the necessary existing surveys and deeds. It also required field surveying and mapping of more than one hundred twenty-five parcels along the project corridor, which range in size from small urban residential lots to large commercial tracts. This project corridor also encompasses existing drainage servitudes, a railroad right-of-way, and numerous side streets in the heart of Baton Rouge.

Firm employed by:	**SJB Group, L.L.C.**				
Name	**Colby Mire, PLS**		Years of relevant experience with this employer	**9**	
Title	**Surveyor**		Years of relevant experience with other employer(s)	**0**	
Degree(s) / Years / Specialization			**BS/2015/Construction Engineering Technology**		
Active registration number / state / expiration date			**5308/LA/09-30-2025**		
Year registered	**2023**	Discipline	**Professional Surveyor**		
Contract role(s) / brief description of responsibilities			**Surveyor / Property Surveys and ROW Maps / Meets MPR No. 4**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Mr. Mire has more than 9 years of experience in land surveying. His survey experience includes Boundary, Topographic, As-Built and ALTA Surveys, Right-of-Way Mapping, Construction Layout, and control for aerial survey and mapping projects for LA DOTD, MDOT, MoveBR, MoveAscension, and private clients.
07/21 – Ongoing	**LA DOTD Project No. H.004100 – I-10: LA 415 to Essen:** *Assistant Project Manager.* This project included a Property Survey and extensive Right-of-Way Mapping for approximately 4 miles of I-10 as well as multiple intersecting streets, which included parcel data for approximately 125 parcels. A Leica TS16 Robotic Total Station was used as well as a Leica GS18 T GNSS RTK Rover for RTK. SUE data was collected using a combination of Ground-Penetrating Radar and Electromagnetic Pipe and Cable locators. All surveying was performed to LADOTD Location & Survey Section requirements, and all Subsurface Utility Engineering was completed to ASCE 38-02 standards.
08/20 – 04/24	**LA DOTD 44-17597 - Rural Bridge Replacement Initiative, Districts 03, 07, 61, 62:** *Assistant Project Manager.* Sub to Burk-Kleinpeter. This project included a Topographic Survey, Right-of-Way Mapping, and roadway design performed for the proposed bridge replacements for LA DOTD Districts 03, 07, 61, and 62. Each site required a complete property map and the preparation of Right-of-Way Maps with supporting data for right-of-way acquisition. The Topographic Survey of the project limits of each bridge included a complete inventory for each drainage structure (type, size, length, and invert) and cross sections of all drainage ways. A Leica TS16 Robotic Total Station and a Leica GS18 T GNSS RTK Rover were used. All surveying was performed to LADOTD Location & Survey Section requirements.
04/23 – 09/23	**LA DOTD Project No. H.017322.5 – Morgan City Sidewalks & Shared Use Path, St. Mary Parish:** *Assistant Project Manager.* Sub to Digital Engineering. This project included Right-of-Way Mapping, Topographic Survey, and Subsurface Utility Engineering to assist in the installation of sidewalks, handicapped ramps, drainage structures, and other related work in Morgan City. The project limits included Everett Street from Front Street to 4th Street, 4th Street from Everett Street to Barrow Street, and Myrtle Street from Youngs Road to Auditorium Drive. A Leica TS16 Robotic Total Station, a Leica GS18 T GNSS RTK Rover, and a GeoSLAM ZEB Horizon 3D were used. SUE data was collected using a combination of Ground-Penetrating Radar, air-assisted vacuum excavation, Electromagnetic Pipe and Cable locators, and other non-destructive detection equipment. All surveying was performed to LADOTD Location & Survey Section requirements, and all Subsurface Utility Engineering was completed to ASCE 38-02 standards.
07/21 – 02/22	**LA DOTD Project No. H.012851 – Union Pacific Railroad Corridor (Plaquemine):** *Assistant Project Manager/Senior Technician.* This project included a Topographic Survey and Quality Level "D" and Quality Level "B" Subsurface Utility Engineering for this project located in Iberville Parish along the Union Pacific Railroad Corridor between the intersection of LA 1 and Bayou Road and the intersection of Belleview Drive and Railroad Avenue. A Leica TS16 Robotic Total Station and a Leica GS18 T GNSS RTK Rover were both used, the GS18 being used for both RTK and as a static base station. SUE data was collected using a combination of Ground-Penetrating Radar and Electromagnetic Pipe and Cable locators. All surveying was performed to LADOTD Location & Survey Section requirements, and all Subsurface Utility Engineering was completed to ASCE 38-02 standards.
03/22 – 08/23	**LA DOTD Project No. H.012685.5 – LA 385: Ryan Street Intersection Improvements:** *Assistant Project Manager.* This project included a Topographic Survey in Calcasieu Parish near the intersection of I-210 and LA 385 (Ryan Street) near the campus of McNeese State University. The survey included all utilities, drainage, and finish floor elevations of buildings that fell within the survey limits. The total linear distance was approximately 2.67 miles. LiDAR Data was gathered using a Velodyne Mobile Scanner and Ladybug. Terrestrial Surveying was performed using a Leica TS16 Robotic Total Station and a Leica GS18 T GNSS RTK Rover. Data was processed using OpenRoads Designer TopoDOT and InSuite MicroStation. All surveying was performed to LADOTD Location & Survey Section requirements.
03/21 – 05/21	**City Parish No. 20-CP-HC-0046 – MOVEBR – Jefferson Highway at Bluebonnet Intersection Improvement:** *Project Manager/Senior Technician.* Sub to Meyer Engineers. This project involved a Corridor Survey, Topographic Surveys, Property Surveys, Right-of-Way Mapping, Subsurface Utility Engineering, and the development of a map of existing drainage throughout the survey limits at the intersection of Jefferson Highway and Bluebonnet Boulevard. A Leica TS16 Robotic Total Station was used as well as a Leica GS18 T GNSS RTK Rover for both RTK and as a static base station. InRoads Suite MicroStation was utilized for the data processing and creation of all deliverables.

Firm employed by:	**SJB Group, L.L.C.**			
Name	**Phillip Dowden**	Years of relevant experience with this employer	**3**	
Title	**Survey Technician**	Years of relevant experience with other employer(s)	**26**	
Degree(s) / Years / Specialization		**BS/1985/Construction Management**		
Active registration number / state / expiration date		**N/A**		
Year registered	Discipline			
Contract role(s) / brief description of responsibilities		**Surveying / Property Surveys and ROW Maps**		

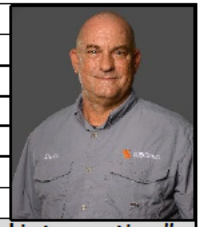
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Mr. Dowden has more than twenty-seven years of experience in the survey field. He is knowledgeable in a variety of software including Trimble Business Center, POSPac MMS, TopoDOT, OpenRoads Designer, LadybugCapPro, IrfanView 64, and Quick Terrain Modeler. He is also thoroughly knowledgeable in a variety of equipment, such as the Trimble MX50 and tertiary equipment such as DMI, Ladybug, and Leica Base Positioning, Faro S350, Geoslam, and compact microdrones with Teledyne LiDAR, amongst others. His responsibilities include processing field data, project management, and occasionally conducting field work.
11/23 – Ongoing	**LA DOTD Project No. H.15487.5 – New Orleans Pedestrian Improvements:** *Mobile LiDAR Lead.* This project included a Topographic Survey of fifty-five intersections in the downtown area of New Orleans, Louisiana. The purpose of the project was to upgrade and construct pedestrian sidewalk crossings to ADA standards. The field data was collected via Mobile LiDAR Scanning utilizing a Trimble MX -50 and supplemented with conventional survey methods. The project included utility mapping of each intersection by records research. Additionally, the project included the determination of the existing right-of-way for the specific streets and LA DOTD roadways. The control for the project was established in accordance with the Louisiana Department of Transportation and Development Location and Survey Manual. The point cloud data was processed through Trimble Business Center and extracted with Topo Dot. The deliverables included topographic base maps, plan-profile sheets, coordinate files, and a control sketch.
10/23 –12/24	**LA DOTD Project No. 005121 LA 1 – LA 415 Connector:** *Mobile LiDAR Lead.* The project provides field data for design of a roadway to connect LA 415 to LA 1. The project is a supplement to previously performed surveying for the realignment of the due to recent development and construction. The project limits include a 2.9-mile corridor beginning approximately 0.2 miles north of the intersection of I-10 and LA 415 and continuing in a southeasterly direction along the extension of LA 415 across the intercoastal canal, industrial areas, and agriculture field to the intersection of LA. The project limits also include an approximate 1.8-mile corridor along LA 1 that extends from the roadway into residential, commercial, and retail areas. The project includes the collection of current conditions of the areas included in the project limits and merging the current data with the previous survey and updating any observed condition changes. The project includes the recovery and supplement of the existing control network. The collection of field data is completed through the utilization of conventional survey methods with survey total stations and global positioning systems (GPS). Mobile LiDAR methods are utilized for the collection of data along the high traffic segments of LA 1 and processed through Trimble Business Center, with data extraction performed through TopoDot. The survey is being conducted according to the Louisiana Department of Transportation and Development Location and Survey Manual. The deliverables will be provided in accordance with the LADOTD guidelines for electronic deliverables.
03/23 – Ongoing	**LA DOTD Project No. H.004100 - I-10: LA 415 to Essen:** *Survey Technician* for the project which included a property survey and extensive right-of-way mapping for approximately 4 miles of I-10 as well as multiple intersecting streets, for which a property map was created that encompassed the parcels affected by acquisition and accessibility.
08/22 – 04/24	**LA DOTD 44-17597 - Rural Bridge Replacement Initiative, Districts 03, 07, 61, 62:** *Survey Technician* for a topographic survey, property survey, right-of-way mapping, and roadway design for bridge replacements in Districts 03, 07, 61, and 62. The project deliverables included both electronic MicroStation files, along with matte prints.
04/23 – 09/23	**LA DOTD H.017322.5 - Morgan City Sidewalks and Shared Use Path:** *Mobile LiDAR Lead* for a topographic survey, right-of-way survey and SUE of 2 linear miles of roadway in Morgan City, LA for ADA compliant sidewalk design. The project included a detailed topographic survey of data collected with robotic total station global positioning systems, and mobile LiDAR scanning.
03/22 – 08/23	**LA DOTD Project No. H.012685.5 – LA 385: Ryan Street Intersection Improvements:** *Mobile LiDAR Lead.* This project included a Topographic Survey in Calcasieu Parish near the intersection of I-210 and LA 385 (Ryan Street) near the campus of McNeese State University. The survey included all utilities, drainage, and finish floor elevations of buildings that fell within the survey limits. The total linear distance was approximately 2.67 miles. LiDAR Data was gathered using a Velodyne Mobile Scanner and Ladybug. Terrestrial Surveying was performed using a Leica TS16 Robotic Total Station and a Leica GS18 T GNSS RTK Rover. Data was processed using OpenRoads Designer TopoDOT and InSuite MicroStation. All surveying was performed to LADOTD Location & Survey Section requirements.

Firm employed by:	**SJB Group, L.L.C.**				
Name	**John Burleigh**		Years of relevant experience with this employer	**2**	
Title	**Survey Technician**		Years of relevant experience with other employer(s)	**2**	
Degree(s) / Years / Specialization			**BS/2021/Geography**		
Active registration number / state / expiration date			**N/A**		
Year registered		Discipline			
Contract role(s) / brief description of responsibilities			**Surveying / Property Surveys and ROW Maps**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Mr. Burleigh has over a year and a half of experience as a Survey CAD Technician and Instrument Man. He has experience performing Boundary, Construction Stakeout, As-Built, ALTA, Topographic, Hydrographic, and Right-of-Way Surveying using both conventional and GPS instruments. He is also knowledgeable in AutoCAD Civil 3D and Bentley MicroStation.
08/20 – 04/24	**LA DOTD 44-17597 - Rural Bridge Replacement Initiative, Districts 03, 07, 61, 62:** *Survey Technician* for a topographic survey, property survey, right-of-way mapping, and roadway design for bridge replacements in Districts 03, 07, 61, and 62. The project deliverables included both electronic MicroStation files, along with matte prints.
04/23 – 09/23	**LA DOTD: H.017322.5 - Morgan City Sidewalks and Shared Use Path:** *CADD Technician / Instrument Man* for a topographic survey, right-of-way survey and SUE of 2 linear miles of roadway in Morgan City, LA for an ADA compliant sidewalk design. The project included a detailed topographic survey of data collected with robotic total station global positioning systems, and mobile LiDAR scanning.
03/21 – 05/21	**City Parish No. 20-CP-HC-0046 – MOVEBR – Jefferson Highway at Bluebonnet Intersection Improvement:** *CADD Technician.* Sub to Meyer Engineers. This project involved a Corridor Survey, Topographic Surveys, Property Surveys, Right-of-Way Mapping, Subsurface Utility Engineering, and the development of a map of existing drainage throughout the survey limits at the intersection of Jefferson Highway and Bluebonnet Boulevard. A Leica TS16 Robotic Total Station was used as well as a Leica GS18 T GNSS RTK Rover for both RTK and as a static base station. InRoads Suite MicroStation was utilized for the data processing and creation of all deliverables.
06/23 – 08/24	**Belle of Baton Rouge Renovations:** *Survey Technician.* Sub to NORR. This project involved a Property Survey, Topographic Survey and a Right-of-Way Survey for renovations to the Belle of Baton Rouge. The survey was performed for traffic signal design engineering along St. James Street at Government Street and France Street. The project required right-of-way determination of right-of-way of the subject streets and a topographic survey of the surrounding area that included the collection of data of surface and sub-surface utility facilities.
04/23 – Ongoing	**City-Parish Project No. 21-DR-US-0038: Flood Risk Reduction Project for Beaver and Blackwater Channel Improvements:** *CADD Technician* for boundary surveying, right-of-way mapping, topographic surveying, title review, and subsurface utility engineering for 25 miles of proposed channel improvements.

Firm employed by:	**SJB Group, L.L.C.**			
Name	**Erick Kidder**	Years of relevant experience with this employer	**2**	
Title	**Party Chief**	Years of relevant experience with other employer(s)	**11**	
Degree(s) / Years / Specialization		**N/A**		
Active registration number / state / expiration date		**N/A**		
Year registered		Discipline		
Contract role(s) / brief description of responsibilities		**Surveying / Property Surveys and ROW Maps**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Mr. Kidder has 12 years as a Party Chief. His survey experience includes Boundary, Topographic, As-Built and ALTA Surveys, Right-of-Way Mapping, Construction Layout, and control for aerial survey and mapping using both conventional and GPS instruments. He is knowledgeable with several Leica Geosystems such as the ScanStation C10 3D Laser Scanner, TS16 Robotic Total Station, GS18 GNSS RTK Rover, and Viva GS16 GNSS rover.
10/23 – 12/24	**LA DOTD Project No. 005121 LA 1 – LA 415 Connector:** *Party Chief.* The project provides field data for design of a roadway to connect LA 415 to LA 1. The project is a supplement to previously performed surveying for the realignment of the due to recent development and construction. The project limits include a 2.9-mile corridor beginning approximately 0.2 miles north of the intersection of I-10 and LA 415 and continuing in a southeasterly direction along the extension of LA 415 across the intercoastal canal, industrial areas, and agriculture field to the intersection of LA. The project limits also include an approximate 1.8-mile corridor along LA 1 that extends from the roadway into residential, commercial, and retail areas. The project includes the collection of current conditions of the areas included in the project limits and merging the current data with the previous survey and updating any observed condition changes. The project includes the recovery and supplement of the existing control network. The collection of field data is completed through the utilization of conventional survey methods with survey total stations and global positioning systems (GPS). Mobile LiDaR methods are utilized for the collection of data along the high traffic segments of LA 1 and processed through Trimble Business Center, with data extraction performed through TopoDot. The survey is being conducted according to the Louisiana Department of Transportation and Development Location and Survey Manual. The deliverables will be provided in accordance with the LADOTD guidelines for electronic deliverables.
11/23 – Ongoing	**LA DOTD Project No. H.15487.5 – New Orleans Pedestrian Improvements:** *Party Chief.* This project included a Topographic Survey of fifty-five intersections in the downtown area of New Orleans, Louisiana. The purpose of the project was to upgrade and construct pedestrian sidewalk crossings to ADA standards. The field data was collected via Mobile LiDaR Scanning utilizing a Trimble MX -50 and supplemented with conventional survey methods. The project included utility mapping of each intersection by records research. Additionally, the project included the determination of the existing right-of-way for the specific streets and LA DOTD roadways. The control for the project was established in accordance with the Louisiana Department of Transportation and Development Location and Survey Manual. The point cloud data was processed through Trimble Business Center and extracted with TopoDot. The deliverables included topographic base maps, plan-profile sheets, coordinate files, and a control sketch.
04/23 – Ongoing	**City-Parish Project No. 21-DR-US-0038 – EBRP Flood Risk Reduction Project for Beaver and Blackwater Channel Improvements:** *Party Chief.* This project included Topographic Survey, Right-of-Way Mapping, Boundary Survey, Title Review, and Subsurface Utility Engineering for approximately 25 miles of proposed channel improvements. SUE investigations were performed at all bridge crossings along the channel to locate the majority of utilities crossing the channel. Known utility crossings discovered during records research that intersect the channel were also investigated to achieve Quality Level "B". Using this information a comprehensive map depicting horizontal locations of existing utilities crossing the channel was created to aid in the design of future channel improvements. A Leica TS16 Robotic Total Station and a Leica SmartNet HxGN RTN were used. Data was processed using InRoads MicroStation. SUE data was collected using a combination of Ground-Penetrating Radar, air-assisted vacuum excavation, Electromagnetic Pipe and Cable locators, and other non-destructive detection equipment.
03/23 – Ongoing	**LA DOTD Project No. H.004100 - I-10: LA 415 to Essen, Baton Rouge, LA:** *Party Chief* for the project which included a property survey and extensive right-of-way mapping for approximately 4 miles of I-10 as well as multiple intersecting streets, for which a property map was created that encompassed the parcels affected by acquisition and accessibility.
03/22 – 09/22	**LA DOTD Project No. H.009300.5 - Hooper Road Widening (LA 3034 - LA 37):** *Party Chief* for a topographic survey for LA DOTD on the Hooper Road widening project. This project included the segment of Hooper Road from LA 2024 to Greenwell Springs Road (LA 37). The project was provided in DOTD MicroStation electronic submittal format.

Firm employed by:	**SJB Group, L.L.C.**			
Name	**Duke Koontz**	Years of relevant experience with this employer	**4**	
Title	**Party Chief**	Years of relevant experience with other employer(s)	**34**	
Degree(s) / Years / Specialization		**N/A**		
Active registration number / state / expiration date		**N/A**		
Year registered		Discipline		
Contract role(s) / brief description of responsibilities		**Surveying / Property Surveys and ROW Maps**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Mr. Koontz has over 35 years of experience as a Survey Party Chief. His survey experience includes Boundary, Topographic, As-Built and ALTA Surveys, Right-of-Way Mapping, Construction Layout, and control for aerial survey and mapping using both conventional and GPS instruments. He is knowledgeable with several Leica Geosystems such as the ScanStation C10 3D Laser Scanner, TS16 Robotic Total Station, GS18 GNSS RTK Rover, and the Viva GS16 GNSS rove.
07/21 – Ongoing	**LA DOTD Project No. H.004100 - I-10: LA 415 to Essen, Baton Rouge, LA:** *Party Chief* for the project which included a property survey and extensive right-of-way mapping for approximately 4 miles of I-10 as well as multiple intersecting streets, for which a property map was created that encompassed the parcels affected by acquisition and accessibility.
08/20 – 04/24	**LA DOTD 44-17597 - Rural Bridge Replacement Initiative, Districts 03, 07, 61, 62:** *Project Manager* for a topographic survey, property survey, right-of-way mapping, and roadway design for bridge replacements in Districts 03, 07, 61, and 62. The project deliverables included both electronic MicroStation files, along with matte prints.
04/24 – 05/24	**LA DOTD Project No. H.012001 – LA 339 Canal and Creek Bridges:** *Party Chief.* This project in Vermilion Parish included Property Surveying and Right-of-Way Mapping for 3 sites along LA 339. SJB Group determined the existing right-of-way for LA 339 and multiple intersecting roadways. This information as well as the proposed right-of-way were utilized to prepare Base Right-of-Way Maps. Final Right-of-Way Maps and parcel input file descriptions for acquisition parcels that included multiple diversions roadways. All surveying was performed to LADOTD Location & Survey Section requirements.
07/22 – 12/22	**LA DOTD Project No. H.013715.5 – LA 77 Union Pacific Railroad Crossing (Iberville):** *Party Chief.* This project consisted of Property Surveying, Right-of-Way Mapping and Topographic Surveying for a project that included the depiction of a railroad right-of-way, state-maintained highway, and city streets. The deliverables included preparation of a Property Map, Base Right-of-Way Maps, Final Right-of-Way Maps and the creation of a parcel input file for acquisition descriptions of the subject area. All surveying was performed to LADOTD Location & Survey Section requirements.
04/23 – 09/23	**LA DOTD Project No. H.017322.5 – Morgan City Sidewalks & Shared Use Path, St. Mary Parish:** *Party Chief.* Sub to Digital Engineering. This project included Right-of-Way Mapping, Topographic Survey, and Subsurface Utility Engineering to assist in the installation of sidewalks, handicapped ramps, drainage structures, and other related work in Morgan City. The project limits included Everett Street from Front Street to 4th Street, 4th Street from Everett Street to Barrow Street, and Myrtle Street from Youngs Road to Auditorium Drive. In the performance of this contract the existing right-of-way of twenty streets, one state highway right-of-way, and an irregular railroad right-of-way was determined at two crossing locations. All surveying was performed to LADOTD Location & Survey Section requirements.
04/23 – Ongoing	**City-Parish Project No. 21-DR-US-0038 – EBRP Flood Risk Reduction Project for Beaver and Blackwater Channel Improvements:** *Party Chief.* This project included Boundary Surveying, Right-of-Way Mapping, Topographic Surveying, Title Review, and Subsurface Utility Engineering for approximately 25 miles of proposed channel improvements. The project is being performed according to the LADOTD Location and Survey Manual. Property surveys were performed for parcels along the corridor of each waterway for the creation of a property map with coordinates of all recovered monuments to be provided in ASCII format. Base Right-of-Way Maps, Final Right-of-Way Maps, along with a parcel input file for the creation of acquisition parcel descriptions. Additionally, detailed Topographic Surveys are performed at all bridge crossings along the channels, including existing utility locations.

Firm employed by:	**SJB Group, L.L.C.**			
Name	**Charles Paul Young**	Years of relevant experience with this employer	**4**	
Title	**Party Chief**	Years of relevant experience with other employer(s)	**31**	
Degree(s) / Years / Specialization		**N/A**		
Active registration number / state / expiration date		**N/A**		
Year registered		Discipline		
Contract role(s) / brief description of responsibilities		**Surveying / Property Surveys and ROW Maps**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Mr. Young has 35 years of experience as a Survey Party Chief. His survey experience includes Boundary, Topographic, As-Built and ALTA Surveys, Right-of-Way Mapping, Construction Layout, and control for aerial survey and mapping using both conventional and GPS instruments. He is knowledgeable with several Leica Geosystems such as the ScanStation C10 3D Laser Scanner, TS16 Robotic Total Station, GS18 GNSS RTK Rover, and the Viva GS16 GNSS rover.
08/20 – 04/24	**LA DOTD 44-17597 - Rural Bridge Replacement Initiative, Districts 03, 07, 61, 62:** *Party Chief* for a topographic survey, property survey, right-of-way mapping, and roadway design for bridge replacements in Districts 03, 07, 61, and 62. The project deliverables included both electronic MicroStation files, along with matte prints.
07/21 –10/23	**LA DOTD Project No. H.004100 - I-10: LA 415 to Essen, Baton Rouge, LA:** *Party Chief* for the project which included a property survey and extensive right-of-way mapping for approximately 4 miles of I-10 as well as multiple intersecting streets, for which a property map was created that encompassed the parcels affected by acquisition and accessibility.
06/22 – 04/23	**Waters at Millerville, Baton Rouge, LA:** *Party Chief* for professional land surveying services related to the construction stakeout of the proposed improvements at The Waters at Millerville apartment complex in Baton Rouge. This includes ALTA/ NSPS Land Title Survey for transfer of title and extensive construction stakeout, elevation certificates, & sewer as-built drawings.
03/22 – 09/22	**LA DOTD Project No. H.009300.5 - Hooper Road Widening (LA 3034 - LA 37):** *Party Chief* for a topographic survey for LA DOTD on the Hooper Road widening project. This project included the segment of Hooper Road from LA 2024 to Greenwell Springs Road (LA 37). The project was provided in DOTD MicroStation electronic submittal format.

Firm employed by:	**ELOS Environmental, L.L.C.**			
Name	**Lucas Watkins, MS**	Years of relevant experience with this employer	**18**	
Title	**President**	Years of relevant experience with other employer(s)	**4**	
Degree(s) / Years / Specialization		**MS/2005/Biological Sciences; BS/2000/Forest Management**		
Active registration number / state / expiration date				
Year registered	Discipline	**National Highway Institute: NEPA & Transportation Decision-Making Process; NHI 142005**		
Contract role(s) / brief description of responsibilities		**Wetland Delineation / Meets MPR No. 5**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
09/20 – Ongoing	**LADOTD Rural Bridges, Phases I & II; Statewide, LA:** ELOS has been contracted to provide environmental services for the LADOTD Rural Bridge Replacement Initiative projects in six districts across the state. Mr. Watkins ensures that all phases of the project adhere to federal and state environmental regulations. He facilitates effective communication among DOTD officials, environmental organizations, and other stakeholders to address concerns and maintain transparency throughout the project.
09/22 – Ongoing	**DOTD IIJA Off-System Bridges District 62:** This off-system bridge project involves the replacement of six bridges; ELOS is performing wetland delineations, completing permit applications, completing solicitation of views to document categorical exclusions for the work proposed, completing cultural resources research, tribal packets, and reports, and write navigability determination reports. Mr. Watkins has reviewed the findings reports prior to client submission.
10/23 – Ongoing	**EBR Off System Bridge Program; East Baton Rouge Parish, LA:** ELOS is contracted to prepare and submit permit applications to the U.S. Army Corps of Engineers (USACE) to include completing permit application packet, documenting the rationale for the project, providing the summary of project and detailed verbal description of the project location. ELOS is also responsible for generating one site plan for each project and coordinating with USACE for a permit under Section 10/404 of the Clean Water Act. Mr. Watkins the permit application throughout the entire process to ensure success of the permit process.
08/22 – 08/24	**LADOTD Rousseau Bridge Replacement; St. Tammany Parish, LA:** ELOS was contracted to provide professional environmental for the Rousseau Bridge Replacement Project located on approximately 2.62 acres in St. Tammany Parish. Mr. Watkins directed the comprehensive assessment of potential environmental impacts related to transportation infrastructure projects. He ensured the accuracy, completeness, and integrity of environmental reports and documentation submitted to regulatory agencies for review and approval.
02/22 – Ongoing	**STP Lock No. 3 Replacement; St. Tammany Parish, LA:** ELOS has been contracted to perform wetland delineation, submit joint permit applications, perform a State Historic Preservation Office (SHPO) Section 106 desktop review and Consultation, and perform a U.S. Fish and Wildlife (USFWS) Endangered Species Act (ESA) Biological assessment for the St. Tammany Parish Lock No. 3 Bridge Replacement project. Mr. Watkins ensures that all phases of each step of the project complies with all state and federal regulations.
03/24 – Ongoing	**Brownswitch Road Bridge Replacement; St. Tammany Parish, LA:** ELOS was contracted to collect data and prepare a report to support a Wetland Delineation and manage the permit process with the USACE. ELOS will facilitate compliance with Section 106 of the National Historic Preservation Act (NHPA) of 1966 by completing a Section 106 Desktop Review. ELOS will conduct a biological survey to determine potential effects on species protected under the Endangered Species Act (ESA), Migratory Bird Treaty Act (MBTA), Bald and Golden Eagle Protection Act (BGEPA) and all other applicable law and regulations. Mr. Watkins has overseen every step of the process ensuring compliance with all regulations and transparency between all stakeholders in the project.
04/22 – Ongoing	**Yellow Water Road Bridge Replacement; Tangipahoa Parish, LA:** ELOS has been contracted to prepare a Early Section 106 Tribal coordination packet and submit it to the DOTD Project Manager (ELOS will not directly communicate with the tribal governments). ELOS will conduct biological assessment and a review of previous Historic Reviews. Mr. Watkins will review the finding of all reviews and the permit packet prior to submission.
12/22 – Ongoing	**Wildwood Dr. Bridge; Livingston Parish, LA:** ELOS was contracted to perform a Wetlands Delineation Assessment, a Biological Assessment, and a Cultural Resource Survey. Mr. Watkins directed the assessments and ensured the accuracy of the Cultural Resource Survey. He supervised the submission of all pertinent documentation to the appropriate agencies.

11/17 – Ongoing	**Move Ascension, Phases I, II, & III; Ascension Parish, LA:** ELOS is contracted to plan projects, perform wetland delineations, conduct cultural resource surveys, and submit permit applications for 60 roadway projects, varying from roundabouts to constructing new lanes and connecting roadways, located throughout Ascension Parish. Mr. Watkins has reviewed delineation details, edited cultural resource reports, developed and analyzed alternatives, reviewed scheduled, assisted with wetland mitigation, and reviewed permit applications.
08/22 – Ongoing	**H.014362 Lake Road; St. Tammany Parish, LA:** ELOS was contracted to complete the solicitation of views and categorical exclusion notices, conduct a wetland delineation, and submit a joint permit application, scenic rivers permit application, and USCG bridge permit application for the project. Mr. Watkins reviewed the categorical exclusion packet and assisted with agency coordination and requests for more information.
02/23 – Ongoing	**DOTD Roundabout at Minnesota Park and Range Road; Tangipahoa Parish, LA:** ELOS is contracted to complete a wetland delineation report, submit a permit application, as well as assist with a CATEX, Phase I ESA, and the solicitation of views (SOVs) for the roundabout project at the intersection of Minnesota Park and Range Road. Mr. Watkins monitors the project timelines, milestones, and budgets to ensure timely delivery of environmental assessments that align with project schedules. He also reviewed the SOVs and supporting documentation prior to initiating the process with agencies.
08/22 – Ongoing	**MoveBR Mickens Road; East Baton Rouge Parish, LA:** ELOS is contracted to provide environmental services for a 2.8-mile-long roadway improvements project on Mickens Road from Hooper Road to Joor Road in East Baton Rouge. Services included a wetland delineation, a Phase I ESA, and a permit application to USACE. Mr. Watkins has reviewed the wetland delineation report, coordinated staff for the Phase I ESA tasks, reviewed final reports, and consulted with the Parish leadership.

Firm employed by:	**ELOS Environmental, LLC**			
Name	**Brian Fortson, BS**	Years of relevant experience with this employer	**13**	
Title	**Senior Project Manager**	Years of relevant experience with other employer(s)	**23**	
Degree(s) / Years / Specialization		**JD/2006/Civil Law; BS/1995/Wetland Ecology**		
Active registration number / state / expiration date		**N/A**		
Year registered		Discipline		
Contract role(s) / brief description of responsibilities		**Wetland Delineation / Meets MPR No. 5**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
08/23 – Ongoing	**EBR Off System Bridge Program; East Baton Rouge Parish, LA:** Mr. Fortson has coordinated with the environmental scientists to review the wetland delineation reports and assist with USACE permit applications for 13 bridge replacements.
09/20 – Ongoing	**LADOTD Rural Bridges Phases I & II; Statewide, LA:** ELOS has been contracted to provide professional environmental consulting services for the Department of Transportation and Development (LADOTD) Rural Bridge Replacement Initiative for two project phases. Phase I involved bridge replacements under 16 state project numbers and supplemental task orders, impacting 33 structures in Districts 03, 07, 61, and 62. Phase 2 is ongoing and involves bridge replacements under 9 state project numbers and supplemental task orders, impacting multiple structures in Districts 05, 08, 58. Almost all the projects have included a wetland delineation, permit applications, cultural resource survey, and a T&E survey. Mr. Fortson has reviewed wetland delineation reports and categorial exclusion documentation, discussed findings and reviewed data for final reports, and met with staff internally to develop threatened and endangered species surveys.
09/22 – Ongoing	**DOTD IIJA Off-System Bridges District 62:** This off-system bridge project involves the replacement of six bridges; ELOS is performing wetland delineations, completing permit applications, completing solicitation of views to document categorical exclusions for the work proposed, completing cultural resources research, tribal packets, and reports, and write navigability determination reports. Mr. Watkins has reviewed the findings reports prior to client submission.
10/22 – 09/23	**LADOTD Rousseau Bridge Replacement; St. Tammany Parish, LA:** ELOS was contracted to provide environmental services for the Rousseau Bridge Replacement Project located on approximately 2.62 acres in St. Tammany Parish. Services included a wetland delineation, Scenic Rivers permit application, emergency authorization application to USACE, SOVs, and a final report. Mr. Fortson assisted with the report drafts and permit applications.
05/21 – 05/22	**STP Chris Kennedy RD Bridge Replacement; St. Tammany Parish, LA:** ELOS was contracted to provide professional environmental engineering services to collect data to further prepare reports for wetland delineation, biological assessment and cultural impact in accordance with the removal and replacement plans. Mr. Fortson coordinated with internal teams to review reports, correlative maps, and environmental data to complete the approved contract.
03/22 – 12/23	**STP Lock No. 2 Bridge Replacement; St. Tammany Parish, LA:** Mr. Fortson assisted with internal teams to provide Cultural resource services for the Lock No. 2 Bridge replacement located on approximately 4.83-acres in St. Tammany Parish. ELOS was contracted to provide Section 106 of NHPA, Terrestrial Phase I Culture Resource Survey and Cultural Resource Assessment No Findings report.
11/17 – Ongoing	**Move Ascension - Phases I, II, & III; Ascension Parish, LA:** ELOS has been contracted to plan projects, perform wetland delineations, conduct cultural resource surveys, and submit permit applications for 60 roadway projects, varying from roundabouts to constructing new lanes and connecting roadways, located throughout Ascension Parish. Mr. Fortson leads multi-disciplinary teams of environmental specialists, engineers, and consultants to achieve project objectives efficiently and effectively through the complexities of environmental compliance, ensuring that infrastructure development meets regulatory standards while minimizing environmental impacts and maximizing community benefits.
02/23 – Ongoing	**LADOTD Roundabout at Minnesota Park and Range Road; Tangipahoa Parish, LA:** ELOS is contracted to complete a wetland delineation report, submit a permit application, as well as assist with a CATEX, Phase I ESA, and the solicitation of views (SOVs) for the roundabout project at the intersection of Minnesota Park and Range Road. Mr. Fortson monitors the project timelines, milestones, and budgets to ensure timely delivery of environmental assessments that align with overall project schedules.

01/21 – Ongoing	**LA 22 Gapping; Ascension Parish, LA:** ELOS is contracted to perform a wetland delineation, complete a joint permit application, complete a biological survey, monitor for bald and golden eagle protection, complete a Phase I ESA, complete a Section 106 review and report, and assist with wetland mitigation planning. Mr. Fortson has served as the project manager to assist in determining the potential jurisdictional wetlands and other waters, preparing and submitting permit applications, and reviewing the desktop Section 106 review. He will also oversee the Phase I ESA and wetland mitigation planning.
01/22 – 09/22	**Judge Dufresne Parkway Extension; St. Charles Parish, LA:** ELOS was contracted to conduct a Wetland Delineation, submit Permit Applications, perform a Phase I ESA, and provide a Section 106 Desktop Review for a 161.5-acre site to extend Judge Dufresne Parkway to include several adjacent, privately owned parcels. Mr. Fortson oversaw the environmental consulting project for the parkway extension, ensuring that environmental considerations were integrated into all project phases, regulatory requirements were met, and the project was completed successfully while minimizing environmental impacts. He implemented quality assurance and control measures to ensure that deliverables meet established standards and client expectations.
08/17 – 11/19	**I-10 Highland to LA 73 Design Build; East Baton Rouge Parish to Ascension Parish, LA:** ELOS was contracted to act as the environmental compliance manager responsible for permitting and construction monitoring for the fast-track interstate widening project from Highland Road in Baton Rouge to LA 73 in Prairieville. Mr. Fortson provided senior-level environmental project management for the project, overseeing complex environmental aspects of transportation infrastructure initiatives. He assisted in the development of a comprehensive environmental management strategy, wrote and assisted with amending the SWPPP as the project progressed, and assisted in preparing and reviewing the permit applications.
01/15 – 01/16	**US 51 (LA 22 To Club Deluxe Road) – Environmental Services; Tangipahoa Parish, LA:** ELOS was contracted to complete a biological survey and report, a Phase I ESA, and a draft environmental assessment, in addition to analyzing natural resource impacts and assisting with public outreach for this roadway improvement project. Mr. Fortson supervised and participated in field investigations to support wetlands delineations and findings reports, biological surveys, and threatened and endangered species reports. He also provided coordination among regulatory agencies, landowners, and public stakeholders.
07/20 – 08/21	**Trace Connection to Heritage Park Stage 0 Checklist; St. Tammany Parish, LA:** ELOS was contracted to provide a Louisiana DOTD Stage 0 Environmental Checklist for the Trace Connection to Heritage Park project. The project determined the feasibility of two proposed alternatives for the extension of the Tammany Trace from U.S. Highway 190 West/Gause Blvd near Cherry Street eastward for approximately 2.7 miles with a 100-ft wide corridor. Mr. Fortson served as the project manager overseeing all fieldwork and coordinating between clients and government agencies.

Firm employed by:	**ELOS Environmental, LLC**			
Name	**Cory Ricks, BS, CFM**	Years of relevant experience with this employer	**8**	
Title	**Environmental Scientist**	Years of relevant experience with other employer(s)	**1**	
Degree(s) / Years / Specialization		**BS/2015/Biology**		
Active registration number / state / expiration date				
Year registered		Discipline	**N/A**	
Contract role(s) / brief description of responsibilities		**Wetland Delineation / Meets MPR No. 5**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
09/20 – Ongoing	**LADOTD Rural Bridges Phases I & II; Statewide, LA:** ELOS has been contracted to provide professional environmental consulting services for the Department of Transportation and Development (LADOTD) Rural Bridge Replacement Initiative for two project phases. Phase 1 involved bridge replacements under 16 state project numbers and supplemental task orders, impacting 33 structures in Districts 03, 07, 61, and 62. Phase 2 is ongoing and involves bridge replacements under 9 state project numbers and supplemental task orders, impacting multiple structures in Districts 05, 08, 58. Almost all the projects have included a wetland delineation, permit applications, cultural resource survey, and a threatened and endangered species survey. Mr. Ricks has coordinated field crews, performed wetland delineations, written and produced reports, developed timelines, coordinated with LADOTD, and assisted with the surveys.
06/22 – 09/23	**LADOTD Rousseau Bridge Replacement; St. Tammany Parish, LA:** ELOS was contracted to provide environmental services for the Rousseau Bridge Replacement Project located on approximately 2.62 acres in St. Tammany Parish. Services included a wetland delineation, Scenic Rivers permit application, emergency authorization application to USACE, SOVs, and a final report. Mr. Ricks worked on the emergency authorization application since the bridge was the only way to access a neighborhood, assisted with the Scenic Rivers permit application, and provided project updates to St. Tammany Parish.
04/22 – 02/24	**Tangi Off-System Bridge Prioritization; Tangipahoa Parish, LA:** ELOS is contracted to provide environmental services including wetland delineations, Solicitation of Views (SOVs), Categorical Exclusion (CE) documents, and permit applications and drawings for six bridges to be replaced in District 62. Mr. Ricks conducted a gopher turtle survey, wrote the findings report, completed permit applications with supporting documentation, and assisted with agency coordination.
11/17 – Ongoing	**Move Ascension - Phases I, II, & III; Ascension Parish, LA:** ELOS has been contracted to plan projects, perform wetland delineations, conduct cultural resource surveys, and submit permit applications for 60 roadway projects, varying from roundabouts to constructing new lanes and connecting roadways, located throughout Ascension Parish. Mr. Ricks leads a team of field members to perform the wetland delineations. He has also assisted with cultural resources field investigations and with permit applications to state and federal agencies (USACE, LEDNR, DOTD).
05/21 – 05/21	**Tammany Trace Bridge Replacement; St. Tammany Parish, LA:** Mr. Ricks performed the wetland delineation, entered the wet form, revised transmittals, reviewed the photographs/logs, coordinated with the GIS team to update maps, and submitted the wetland findings report.
05/22 – 03/24	**North Brickyard Road Bridge Replacement Program; Tangipahoa Parish, LA:** Mr. Ricks initiated the Solicitation of Views (SPVs), Categorical Exclusion (CE) documents, and reviewed all supporting documentation as it was sent and received from the agencies. He also assisted with permit applications and agency coordination when asked for additional information.
02/23 – Ongoing	**LADOTD Minnesota Park / Range Road Roundabout; Tangipahoa Parish, LA:** ELOS is contracted to complete a wetland delineation report to obtain a jurisdictional determination from the U.S. Army Corps of Engineers (USACE), submit a permit application, if necessary, as well as assist with a Categorical Exclusion (CATEX), Phase I Environmental Site Assessment (ESA), and the Solicitation of Views (SOVs) for a roundabout project (H.014340) covering 2.5 acres in Tangipahoa Parish. Mr. Ricks has researched additional information for reports, worked on files related to the CATEX, and assisted with reviewing agency requests for more information.
07/21 – 08/22	**LA Trace Road Widening; Ascension Parish, LA:** ELOS was contracted to complete a wetland delineation report and prepare and submit road widening and culvert replacement joint application permits to the USACE and LDENR. Mr. Ricks worked with the team on the wetland delineation and reviewed the final figures and reports, prepared the joint application permits, met with the landowner for right-of-way, provided follow-up information and permit revisions to USACE and LDENR, and reviewed project invoices.

09/16 – 06/20	**LA 3234 Extension to Hammond Airport Environmental Assessment; Tangipahoa Parish, LA:** ELOS was contracted to provide environmental services for the LA-3234 Extension from LA-1065 to Hammond Airport. These services included preparing estimates of environmental mitigation costs so that ELOS will estimate the cost of mitigation of any unavoidable environmental impacts, such as wetland mitigation, hazardous waste mitigation, or cultural resource mitigation. Mr. Ricks performed the wetland delineation for all three routes and provided a report of the findings. Mr. Ricks also assisted in GIS mapping of the Wetlands Findings Report, Phase I Environmental Site Assessment, and the Biological Assessment Survey. Mr. Ricks also provided a report of the threatened and endangered species known in the project area. Mr. Ricks led efforts on providing stream and waterbody data for each report.
08/17 – 11/19	**I-10 Highland to LA 73 Design Build; East Baton Rouge Parish to Ascension Parish, LA:** ELOS was contracted to act as the environmental compliance manager responsible for permitting and construction monitoring for the fast-track interstate widening project from Highland Road in Baton Rouge to LA 73 in Prairieville (H.009250). The project included widening an approximately 6-mile segment of I-10 and expanding two bridges/overpasses. Mr. Ricks worked on documentation for the CATEX, wrote and revised several permits to state and federal agencies, and coordinated field crews for completing stormwater inspections and monitoring construction activities for environmental impacts and compliance.

Firm employed by:	**ELOS Environmental, LLC**			
Name	**Christopher Wilson, RPA, MA**	Years of relevant experience with this employer	**1**	
Title	**Archaeologist**	Years of relevant experience with other employer(s)	**5**	
Degree(s) / Years / Specialization		**MA/2023/Art History and Curatorial Studies; MA/2022/Archaeology; BA/2021/Art and Archaeology**		
Active registration number / state / expiration date				
Year registered		Discipline	**Registered Professional Archaeologist**	
Contract role(s) / brief description of responsibilities		**Wetland Delineation / Meets MPR No. 5**		

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

07/24 – 08/24	**St. Tammany Parish US 190 Roundabouts; St Tammany Parish, LA:** Mr. Wilson was responsible for CRM services for the construction of three roundabouts along Highway 190 in St. Tammany in support of Section 106 compliance. His responsibilities included SHPO files to include all previously recorded cultural resource surveys, archaeological sites, and historic structures within a 1-mile radius. He also compiles reviews and reports to summarize findings and addresses any potential impacts on cultural resources, including cemetery reviews.
03/24 – 04/24	**5th Street Improvements (H.012885); Jefferson Parish, LA:** Mr. Wilson performed a Phase I Cultural Resource Survey of 0.5-mile radius of the projected improvement project. This included a pedestrian survey, taking systematic photos, recording addresses of all historic structures, and completing all Louisiana Historic Resource Inventory forms. The buildings were found to not be eligible, but it was noted that they are in a district that is potentially eligible as a Postwar Commercial Strip. He developed a plan for any cultural material encountered that would be labeled with provenance and temporarily curated by ELOS. In the end, he recommended the project proceed as planned after concluding that no significant cultural resources would be impacted.
10/23 – 02/24	**Tangipahoa USDOT BIP Services 2023; Tangipahoa Parish, LA:** Mr. Wilson performed a Cultural Resource Review of previous investigations. These investigations included surveys, cemeteries, and listings of historic structures. He coordinated with the project manager and SHPO while conducting and documenting the review.

Firm employed by:	ELOS Environmental, LLC			
Name	Basile Dardar, BS	Years of relevant experience with this employer	8	
Title	Environmental Specialist	Years of relevant experience with other employer(s)	2	
Degree(s) / Years / Specialization		BS/2014/Biology		
Active registration number / state / expiration date				
Year registered		Discipline	N/A	
Contract role(s) / brief description of responsibilities		Wetland Delineation / Meets MPR No. 5		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
08/23 – Ongoing	**EBR Off System Bridge Program:** Mr. Dardar has coordinated with the field team to conduct wetland delineations, complete wetland findings reports, work with the USACE for jurisdictional determinations of wetlands, and assist with USACE permit applications and supporting documentation for 13 bridge replacements.
09/22 – Ongoing	**DOTD IIJA Off-System Bridges District 62:** ELOS is contracted to provide comprehensive services to replace bridges throughout various parishes located in Southeast Louisiana in several phases until completion. Mr. Dardar has coordinated with field teams to assess cultural and environmental impacts. Through ongoing efforts, Mr. Dardar has maintained the required data and documentation and reviewed deliverables and reports applicable to SOVs, wetland delineations, and categorical exclusion of the construction activities. He has assisted with preparing applicable permits, maps, forms, and supplemental documentation.
04/22 – Ongoing	**Tangi Off-System Bridge Prioritization; Tangipahoa Parish, LA:** ELOS is contracted to provide environmental services including wetland delineations, Solicitation of Views (SOVs), Categorical Exclusion (CE) documents, and permit applications and drawings for six bridges to be replaced in District 62. Mr. Dardar has conducted wetland delineations, prepared and submitted permit applications, and led the team in completing the SOVs and CE documentation.
06/22 – 09/23	**LADOTD Rousseau Bridge Replacement; St. Tammany Parish, LA:** ELOS was contracted to provide environmental services for the Rousseau Bridge Replacement Project located on approximately 2.62 acres in St. Tammany Parish. Services included a wetland delineation, Scenic Rivers permit application, emergency authorization application to USACE, SOVs, and a final report. Mr. Dardar conducted a wetland delineation, submitted reports to USACE, coordinated with the field team regarding SOVs and information needed, and reviewed permit drawings.
11/21 – Ongoing	**LADOTD Rural Bridges Phases I & II; Statewide, LA:** ELOS has been contracted to provide professional environmental consulting services for replacing bridges in rural areas for two project phases. Phase I involved bridge replacements under 16 state project numbers and supplemental task orders, impacting 33 structures in Districts 03, 07, 61, and 62. Phase 2 is ongoing and involves bridge replacements under 9 state project numbers and supplemental task orders, impacting multiple structures in Districts 05, 08, and 58. Almost all the projects have included a wetland delineation, permit applications, a cultural resource survey, and a threatened and endangered species survey. Mr. Dardar has coordinated field crews, performed wetland delineations, collected and inputted data, written and produced reports, developed timelines, coordinated with LADOTD, worked on permit applications with state and federal agencies, and assisted with the surveys.
11/21 – Ongoing	**Move Ascension - Phases II & III; Ascension Parish, LA:** ELOS has been contracted to plan projects, perform wetland delineations, conduct cultural resource surveys, and submit permit applications for 60 roadway projects, varying from roundabouts to constructing new lanes and connecting roadways, located throughout Ascension Parish. Mr. Dardar has worked on the wetland findings report for the USACE jurisdictional determination of wetlands, reviewed delineation photographs and maps, and reviewed corresponding figures and data for the permit applications.
01/22 – 09/22	**Judge Dufresne Parkway Extension; St. Charles Parish, LA:** ELOS was contracted to conduct a Wetland Delineation, submit Permit Applications, perform a Phase I ESA, and provide a Section 106 Desktop Review for a 161.5-acre tract of land referred to as Judge Dufresne Parkway Extension located in St. Charles Parish, Louisiana. Mr. Dardar performed the wetland delineation, completed the Phase I ESA and its report, and assisted with the USACE permit application and follow-up.
06/24 – Ongoing	**US 190 Roundabouts (H.014375); St. Tammany Parish, LA:** ELOS has been contracted to perform a wetland delineation, prepare and submit joint permit applications, complete Section 106 reviews, and conduct threatened and endangered species surveys for a 28-acre area for the installation of roundabouts on US 190. Mr. Dardar has assisted with writing and reviewing the threatened and endangered species report.

Firm employed by:	**APS Engineering and Testing, LLC**			
Name	**Sergio Aviles, PE, M.ASCE**	Years of relevant experience with this employer	**12**	
Title	**President**	Years of relevant experience with other employer(s)	**10**	
Degree(s) / Years / Specialization		**BS/2001/Civil Engineering-Geotechnical**		
Active registration number / state / expiration date		**33571/LA/03-31-2026**		
Year registered	**2007** Discipline	**Professional Engineer: 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 years of experience specified in the applicable MPR(s).
	Mr. Aviles has over 20 years of experience in geotechnical and civil engineering. After founding APS Engineering and Testing eleven years ago, he continued his work throughout Louisiana working with both government and private entities. Mr. Aviles has extensive experience in design and construction supervision of roadway projects in the state. He has frequently worked with LADOTD performing slope stability analysis, embankment settlement calculations, mechanically stabilized earthen wall design, sheet pile design and pile testing. Mr. Aviles is also proficient in the use of AutoCAD Civil 3D which he utilizes in the design of projects.
06/20 – 06/25	**Rural Bridge Replacement Initiative:** The scope includes geotechnical investigation and design for the replacement of 60 structures on the LA state highway system. Geotechnical investigation consists of drilling, laboratory testing, soil classification and site characterization. Engineering analysis includes slope stability analysis (when applicable) and pile capacity analysis for foundations to support new bridge structures. Mr. Aviles is the Supervisor-Engineer to the Geotechnical Investigations.
09/19 – 10/24	**Project No. H.0041005.5 and .6: I-10 LA415 to Essen Lane on I-10 and I-12:** The scope included drilling and sampling a total of 52 deep borings starting at the Washington Exit and ending at the LSU Lakes. A P S drilled a total of eight (8) over the water borings and 44 land borings. Along with this drilling and sampling, A P S tested for strength and engineering characteristics of the soils with approximately 1000 Triaxial Compressions, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits. A P S is currently providing PDA instrumentation, testing, and CAPWAP analysis. Mr. Aviles is the Project Manager to the Design Team.
11/22 – 10/24	**Project No. H.001344 US 190: LA 437 to US 190 BUS:** APS 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 foundation recommendations. The scope also includes conducting testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed structures. A P S also provided PDA instrumentation, testing, and CAPWAP analysis. Mr. Aviles was the Project Manager for the Project Design Team.
01/22 – 05/24	**Project No. H.001352.6 and H.002273.5: Comite River Diversion Bridge at LA 67, LA 19, and LA 19 RR Bridge:** APS was selected with the winning team for the Design of the Diversion CMAR project. APS performed Geotechnical Design for the project. The scope also included conducting testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed roadway structures. A P S performed a total of 4 PDAs during construction monitoring. Mr. Aviles was the Project Manager for the Project Design team.
09/21 – 05/24	**Port Hudson-Pride Road (LA-964 – LA-19):** The scope included geotechnical investigation to enable an evaluation of an acceptable foundation for the proposed pavement rehabilitation and new bridge. A total of 26 borings were drilled and tested for Geotechnical recommendations. Mr. Aviles was the Manager of the Design Team.
11/19 – 12/23	**Project No. H.010155: US 90 Railroad Overpass SE of LA 85:** APS was selected with the winning team for the Geotechnical Investigation and Design for the proposed new overpass. A total of six (6) deep borings were drilled and tested for Geotechnical recommendations. Mr. Aviles was the Manager to Geotechnical Design Team.

03/21 – 11/22	**Nicholson Drive Segment 2 (Bluebonnet Blvd-Ben Hur Rd.):** The scope of services for this project included subsurface exploration of conditions at the site to enable an evaluation of an acceptable foundation for the proposed pavement and the new bridge. A P S drilled (2) soil borings to 110 feet deep each at Elbow Bayou Crossing, three (3) soil borings to 80 feet deep each at highest fill placement locations, one (1) soil boring to 20 feet deep at traffic light intersection and 32 soil borings to six (6) feet deep each for pavement at 700 feet intervals at selected boring locations. A P S tested recovered soils for strength and engineering characteristics. The geotechnical report contained pavement and deep foundation recommendations, fill area settlement recommendations, and general construction recommendations. Mr. Aviles was the Manager to the Geotechnical Team.
12/21 – 09/22	**Ward Creek at Seigan Ln:** The scope services for this project included subsurface investigation to enable an evaluation of an acceptable foundation for the proposed Ward Creek Channel Improvements. A P S drilled two (2) deep borings and tested recovered soils for strength and engineering characteristics. Geotechnical reporting included slope stability analysis of the proposed channel, as well as general construction and erosion recommendations. Mr. Aviles was the Manager to the Geotechnical Team.
01/21 – 04/22	**Bluebonnet Boulevard (Perkins Road-Picardy Avenue):** The purpose of the project was widening of Bluebonnet Boulevard at selected locations, addition of pedestrian walkways, replacement of existing bridge over Dawson Creek and addition of green infrastructure. The scope of services included subsurface exploration of conditions at the site to enable an evaluation for the proposed pavement. A P S drilled nine (9) pavement borings to six (6) feet deep from the top of existing subgrade material, two (2) soil borings to a depth of 10 feet each for the green infrastructure, and two borings to a depth of 100 feet each for the bridge. The scope of services also included conducting laboratory tests on selected samples recovered from the soil borings. The geotechnical report contained rigid pavement recommendations, deep foundation recommendations, green infrastructure recommendations, as well as site preparation and general construction recommendations. Mr. Aviles was the Manager to the Geotechnical Team.
01/21 – 03/21	**Project No. H.013458 H.H. Wilson Rd and Manchac Acres Rd:** This project involved preparation for two bridges located on H.H. Wilson Road over Drainage Bayou and Manchac Acres Road over Drain to Muddy Creek in Ascension Parish. The scope of services included drilling, laboratory testing including one-dimensional consolidation testing, soil classification, and boring log preparation. Mr. Aviles was the Supervisor-Engineer for the Geotechnical Investigation.
03/15 – 04/15	**Holly Drive Bridge Replacement; St. Tammany Parish, LA:** The scope included geotechnical investigation for the replacement of a bridge structure in Covington, Louisiana. A P S performed piles LRFD vertical resistance analyses for square PPC piles with sizes ranging 16-inch, 18-inch and 24-inches, roadway design, and culvert design. Mr. Aviles was the Principal Engineer for the Geotechnical Investigation.
03/01 – 05/05	The following list consists 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 PROJECT LIST:** Mr. Aviles served as the staff geotechnical engineer while at the Pavement and Geotechnical Section for the following projects below. Projects include Embank Design, Pile Design, Drilled Shaft Design, MSE Wall Design, and Construction Supervision. Major project costs 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 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.Innerloop 427

Firm employed by:	**APS Engineering and Testing, LLC**			
Name	**Sairam (Sai) Eddanapudi, ME, PE**	Years of relevant experience with this employer	**12**	
Title	**Chief Engineer**	Years of relevant experience with other employer(s)	**9**	
Degree(s) / Years / Specialization		**MS/2002/Civil Engineering** **BE/1999/Civil Engineering**		
Active registration number / state / expiration date		**35129/LA/03-31-2026**		
Year registered	**2009**	Discipline	**Professional Engineer: Civil**	
Contract role(s) / brief description of responsibilities		**Design Engineer/Laboratory QA 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 years of experience specified in the applicable MPR(s).
	Mr. Sairam (Sai) Eddanapudi is the Senior Geotechnical Engineer for APS Engineering and Testing. He has over 20 years of experience in the geotechnical and civil engineering fields. Mr. Sai's professional experience consists of the design of roadways, bridges, levees and T-walls as well as the design of shallow and deep foundations. His field experience includes QC inspection of auger cast piles, drill shafts, soil and concrete. Mr. Sai has experience with the following software: Slope/w (2004 and 2007 versions) for slope stability analyses, Seep/w for seepage analysis, Driven 1.2 (for driven piles), MicroStation V8, CWALSHT and FS004 for slope stability analyses, Swell Potential (for expansive soils), Drilled Shaft Design software, Auger cast pile design Analysis, AASHTO pavement, Slope analysis, and Differential Settlement Analysis.
06/20 – 06/25	**Rural Bridge Replacement Initiative:** The scope includes geotechnical investigation and design for the replacement of 60 structures on the LA state highway system. Geotechnical investigation consists of drilling, laboratory testing, soil classification and site characterization. Engineering analysis includes slope stability analysis (when applicable) and pile capacity analysis for foundations to support new bridge structures. Mr. Sai is the Chief Engineer to the Geotechnical Investigation.
09/19 – 12/24	**Project No. H.0041005.5 and .6: I-10 LA415 to Essen Lane on I-10 and I-12:** The scope included drilling and sampling a total of 52 deep borings starting at the Washington Exit and ending at the LSU Lakes. APS drilled a total of eight (8) over the water borings and 44 land borings. Along with this drilling and sampling, A P S tested for strength and engineering characteristics of the soils with approximately 1000 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits. APS is currently providing PDA instrumentation, testing, and CAPWAP analysis. Mr. Sai is the Chief Engineer for the Project Design Team.
11/22 – 05/24	**Project No. H.001344 US 190: LA 437 to US 190 BUS:** APS 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 foundation recommendations. The scope also includes conducting testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed structures. A P S also provided PDA instrumentation, testing, and CAPWAP analysis. Mr. Sai is the Chief Engineer for the Project Design Team.
01/22 – 05/24	**Project No. H.001352.6 and H.002273.5: Comite River Diversion Bridge at LA 67, LA 19, and LA 19 RR Bridge:** APS was selected with the winning team for the Design of the Diversion CMAR project. APS performed the Geotechnical Design for the project. The scope also included conducting testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed roadway structures. APS performed a total of 4 PDA during construction monitoring. Mr. Sai was the Chief Engineer for the Project Design Team.
09/21 – 05/24	**Port Hudson-Pride Road (LA-964 – LA-19):** Scope included Geotechnical investigation to enable an evaluation of an acceptable foundation for the proposed pavement rehabilitation and new bridge. A total of 26 borings were drilled and tested for geotechnical recommendations. Mr. Sai was the Chief Engineer to Geotechnical Investigation.
11/23 – 04/24	**Groom Road Brushy Bayou:** The purpose of this study is to explore the subsurface conditions at the site to enable an evaluation of an acceptable foundation for the proposed structures. A total of 12 borings ranging between 10 and 50 feet in depth were drilled by APS. Services also included conducting laboratory tests on selected samples recovered from the soil borings. Mr. Sai was the Chief Engineer to Geotechnical Investigation.
11/23 – 02/24	**Jones Connell Road Bridge Replacement:** The purpose of this study was to explore the subsurface conditions at the site to enable an evaluation of an acceptable foundation for the proposed pavement and bridge. APS completed the analysis for the proposed Jones Connell Road Bridge Replacement Design Study in West Feliciana Parish, Louisiana. The scope of services also included subsurface investigation and laboratory testing. Mr. Sai was the Chief Engineer to Geotechnical Investigation.

11/19 – 12/23	**Project No. H.010155: US 90 Railroad Overpass SE of LA 85:** APS was selected with the winning team for the Geotechnical Investigation and Design for the proposed new overpass. A total of six (6) deep borings were drilled and tested for Geotechnical recommendations. Mr. Sai was Chief Engineer for the Project Design team.
03/21 – 11/22	**Nicholson Drive Segment 2 (Bluebonnet Blvd-Ben Hur Rd.):** The scope of services for this project included subsurface exploration of conditions at the site to enable an evaluation of an acceptable foundation for the proposed pavement and the new bridge. A P S drilled (2) soil borings to 110 feet deep each at Elbow Bayou Crossing, three (3) soil borings to 80 feet deep each at highest fill placement locations, one (1) soil boring to 20 feet deep at traffic light intersection and 32 soil borings to six (6) feet deep each for pavement at 700 feet intervals at selected boring locations. APS tested recovered soils for strength and engineering characteristics. The geotechnical report contained pavement and deep foundation recommendations, fill area settlement recommendations, and general construction recommendations. Mr. Sai was the Chief Engineer to the Geotechnical Team.
08/21 – 09/22	**Ward Creek at Seigan Lane:** The scope services for this project included subsurface investigation to enable an evaluation of an acceptable foundation for the proposed Ward Creek Channel Improvements. APS drilled two (2) deep borings and tested recovered soils for strength and engineering characteristics. Geotechnical reporting included slope stability analysis of the proposed channel, as well as general construction and erosion recommendations. Mr. Sai was the Chief Engineer to the Geotechnical Team.
01/21 – 04/22	**Bluebonnet Boulevard (Perkins Road-Picardy Ave.):** The purpose of the project was widening of Bluebonnet Boulevard at selected locations, addition of pedestrian walkways, replacement of existing bridge over Dawson Creek and addition of green infrastructure. The scope of services included subsurface exploration of conditions at the site to enable an evaluation for the proposed pavement. A P S drilled nine (9) pavement borings to six (6) feet deep from the top of existing subgrade material, two (2) soil borings to a depth of 10 feet each for the green infrastructure, and two borings to a depth of 100 feet each for the bridge. The scope of services also included conducting laboratory tests on selected samples recovered from the soil borings. The geotechnical report contained rigid pavement recommendations, deep foundation recommendations, green infrastructure recommendations, as well as site preparation and general construction recommendations. Mr. Sai was the Chief Engineer to the Geotechnical Team.
01/21 – 03/21	**Project No. H.013458 H.H. Wilson Rd and Manchac Acres Rd:** This project involved preparation for two bridges located on H.H. Wilson Road over Drainage Bayou and Manchac Acres Road over Drain to Muddy Creek in Ascension Parish. The scope of services included drilling, laboratory testing including one-dimensional consolidation testing, soil classification, and boring log preparation. Mr. Sai was an Engineer for the Geotechnical Investigation.
08/16 – 10/19	**Project No. H.012422: I-110 Interchange Modification at Terrace Ave:** APS 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 approximately 100 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits performed by APS Laboratory. Mr. Sai was the QA for the Geotechnical Investigation.
05/18 – 03/19	**Project No. H.011670: I-10 Loyola Interchange Improvements:** The scope of this project included subsurface investigation to provide the client with necessary information for the planning and design of a new interchange to connect to the new airport terminal. Mr. Sai was an engineer to the Geotechnical Investigations.
03/15 – 04/15	**Holly Drive Bridge Replacement; St. Tammany Parish, LA:** The scope included geotechnical investigation for the replacement of a bridge structure in Covington, Louisiana. A P S performed piles LRFD vertical resistance analyses for square PPC piles with sizes ranging 16-inch, 18-inch and 24-inches, roadway design, and culvert design. Mr. Sai was the Project Manager for the Geotechnical Investigation.

Firm employed by:	**APS Engineering and Testing, LLC**			
Name	**Surendra Pathak, MS, PE**	Years of relevant experience with this employer	**11**	
Title	**Geotechnical Engineer**	Years of relevant experience with other employer(s)	**10**	
Degree(s) / Years / Specialization		**MS/2013/Civil Engineering** **BE/2007/Civil Engineering**		
Active registration number / state / expiration date		**4348/LA/09-30-2025**		
Year registered	**2019**	Discipline	**Professional Engineer: Civil**	
Contract role(s) / brief description of responsibilities		**Design Engineer/QA-QC Field Testing/Laboratory QA**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Mr. Surendra Pathak is a Staff Geotechnical Engineer for APS Engineering and Testing. He has over 15 years in the geotechnical and civil engineering fields. Mr. Pathak received a Master of Science in Civil Engineering (MSCE) from Mississippi State University in 2013, a Master of Science in Civil Engineering from Norwegian University of Science and Technology in 2007, and a B.E. in Civil Engineering from Madan Mohan Malaviya University of Technology (India) in 1998. Mr. Pathak's professional experience consists of the design of roadways, bridges, levees and T-walls as well as the design of shallow and deep foundations. His field experience includes QC inspection of auger cast piles, drill shafts, soil and concrete.
06/20 – 06/25	**Rural Bridge Replacement Initiative:** The scope includes geotechnical investigation and design for the replacement of 60 structures on the LA state highway system. Geotechnical investigation consists of drilling, laboratory testing, soil classification and site characterization. Engineering analysis includes slope stability analysis (when applicable) and pile capacity analysis for foundations to support new bridge structures. Mr. Pathak is the Senior Engineer for Geotechnical Investigation.
09/19 – 10/24	**Project No. H.0041005.5 and .6: I-10 LA415 to Essen Lane on I-10 and I-12:** The scope included drilling and sampling a total of 52 deep borings starting at the Washington Exit and ending at the LSU Lakes. A P S drilled a total of eight (8) over the water borings and 44 land borings. Along with this drilling and sampling, APS tested for strength and engineering characteristics of the soils with approximately 1000 Triaxial Compressions, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits. APS is currently providing PDA instrumentation, testing, and CAPWAP analysis. Mr. Pathak is the Senior Engineer for the Project Design Team.
11/22 – 05/24	**Project No. H.001344 US 190: LA 437 to US 190 BUS:** APS 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 foundation recommendations. The scope also includes conducting testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed structures. APS also provided PDA instrumentation, testing, and CAPWAP analysis. Mr. Pathak is the Senior Engineer for the Project Design Team.
01/22 – 05/24	**Project No. H.001352.6 and H.002273.5: Comite River Diversion Bridge at LA 67, LA 19, and LA 19 RR Bridge:** APS was selected with the winning team for the Design of the Diversion CMAR project. A P S performed the Geotechnical Design for the project. The scope also included conducting testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed roadway structures. APS performed a total of 4 PDA during construction monitoring. Mr. Pathak was the Senior Engineer for Geotechnical Investigation.
09/21 – 05/24	**Port Hudson-Pride Road (LA-964 – LA-19):** Scope included geotechnical investigation to enable an evaluation of an acceptable foundation for the proposed pavement rehabilitation and new bridge. A total of 26 borings were drilled and tested for Geotechnical recommendations. Mr. Pathak was an Engineer to the Geotechnical Investigation.

03/21 – 11/22	**Nicholson Drive Segment 2 (Bluebonnet Blvd-Ben Hur Rd.):** The scope of services for this project included subsurface exploration of conditions at the site to enable an evaluation of an acceptable foundation for the proposed pavement and the new bridge. A P S drilled (2) soil borings to 110 feet deep each at Elbow Bayou Crossing, three (3) soil borings to 80 feet deep each at highest fill placement locations, one (1) soil boring to 20 feet deep at traffic light intersection and 32 soil borings to six (6) feet deep each for pavement at 700 feet intervals at selected boring locations. APS tested recovered soils for strength and engineering characteristics. The geotechnical report contained pavement and deep foundation recommendations, fill area settlement recommendations, and general construction recommendations. Mr. Pathak was an Engineer to the Geotechnical Team.
12/21 – 09/22	**Ward Creek at Seigan Lane:** The scope services for this project included subsurface investigation to enable an evaluation of an acceptable foundation for the proposed Ward Creek Channel Improvements. APS drilled two (2) deep borings and tested recovered soils for strength and engineering characteristics. Geotechnical reporting included slope stability analysis of the proposed channel, as well as general construction and erosion recommendations. Mr. Pathak was an Engineer to the Geotechnical Team.
01/21 – 04/22	**Bluebonnet Boulevard (Perkins Road-Picardy Ave.):** The purpose of the project was widening of Bluebonnet Boulevard at selected locations, addition of pedestrian walkways, replacement of existing bridge over Dawson Creek and addition of green infrastructure. The scope of services included subsurface exploration of conditions at the site to enable an evaluation for the proposed pavement. APS drilled nine (9) pavement borings to six (6) feet deep from the top of existing subgrade material, two (2) soil borings to a depth of 10 feet each for the green infrastructure, and two borings to a depth of 100 feet each for the bridge. The scope of services also included conducting laboratory tests on selected samples recovered from the soil borings. The geotechnical report contained rigid pavement recommendations, deep foundation recommendations, green infrastructure recommendations, as well as site preparation and general construction recommendations. Mr. Pathak was an Engineer to the Geotechnical Team.
01/21 – 03/21	**Project No. H.013458 H.H. Wilson Rd and Manchac Acres Rd:** This project involved preparation for two bridges located on H.H. Wilson Road over Drainage Bayou and Manchac Acres Road over Drain to Muddy Creek in Ascension, Parish. The scope of services included drilling, laboratory testing including one-dimensional consolidation testing, soil classification, and boring log preparation. Mr. Pathak was an Engineer for the Geotechnical Investigation.
08/16 – 10/19	**Project No. H.012422: I-110 Interchange Modification at Terrace Ave:** APS 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 approximately 100 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits performed by A P S Laboratory. Mr. Pathak was an engineer to the Geotechnical Investigations.
03/19 – 05/19	**Project No. H.001344: US 190 over Bogue Falaya River:** APS 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. Pathak was a Design Engineer for the Project Design team.
05/18 – 03/19	**Project No. H.011670: I-10 Loyola Interchange Improvements:** The scope of this project included subsurface investigation to provide the client with necessary information for the planning and design of a new interchange to connect to the new airport terminal. Mr. Pathak was an engineer to the Geotechnical Investigations.
05/16 – 10/17	**Project No. H.002861: Earhart Expy/Causeway Interchange, New Orleans:** Scope included geotechnical investigation, design and reporting for the proposed bridge. APS drilled and sampled 49 deep borings. Geotechnical analysis included deep and shallow foundation recommendations, settlement analysis, roadway design, sheet-pile design and LRFD design factor for the existing structure. Mr. Pathak was an Engineer on the Project Design Team.

Firm employed by:	**Urban Systems, Inc**				
Name	**Alison Catarella Michel, PE, PTOE**		Years of relevant experience with this employer	**24**	
Title	**Principal in Charge of Traffic Engineering Tasks**		Years of relevant experience with other employer(s)	**2**	
Degree(s) / Years / Specialization			**BS/1997/Civil Engineering**		
Active registration number / state / expiration date			**30261/LA/03-31-2027**		
Year registered	**2002**	Discipline	**Professional Engineer: Civil; Highway Safety Course; NHI 142005**		
Active registration number / state / expiration date			**1023/LA/11-06-2026**		
Year registered	**2002 / 2017**	Discipline	**Professional Traffic Operations Engineering/No. 1023/11-06-2026**		
Active registration number / state / expiration date			**Professional Transportation Planner/No. 626/11-20-2026**		
Year registered	**2023**	Discipline	**Road Safety Professional 2i**		
Active registration number / state / expiration date			**No. 148/03-2026**		
Contract role(s) / brief description of responsibilities			**Traffic Engineer / Construction Detours and Signage**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s). ***Ms. Michel has over twenty-five (25) years' experience in Traffic Engineering and Transportation Planning. Ms. Michel has a wide array of experience with transportation studies including traffic impact, safety, corridor, feasibility/Stage 0, environmental/Stage 1, multi-modal and transit facilities. She has experience in the timing of coordinated signal systems and progression analyses. She is proficient in microscopic simulation modeling using VISSIM and CORSIM and also in analysis programs such as Highway Capacity Software (HCS),Tru-Traffic and SIDRA. She has extensive design experience that includes permanent and temporary traffic signals, traffic control devices for work zones, intelligent transportation systems, signage and striping.***
01/14 – 08/19	**US 90 (I-49 South) Albertson's Parkway to Ambassador Caffery Design-Build Project:** Ms. Michel was a member of the key personnel for this design-build project as the Traffic Engineer. The project included converting US 90 to a controlled access facility by converting at-grade intersections to an interchange. The bridge structure had to span the intersection and railroad. She supervised the design and analysis and performed QA-QC for temporary and permanent signal plans, permanent signage plans, temporary traffic control plans and the Transportation Management Plan. Signal plans were prepared using the DOTDs latest TSI format. Analysis included developing design hour volumes for the design year and modeling signals in Synchro. Phasing and timing were developed for both permanent and temporary signal operation.
02/20 – ongoing (Hold)	**LA 23: Belle Chasse Bridge & Tunnel:** Ms. Michel is managing USI's tasks for Owner Verification services focused on reviewing design plans for traffic related submittals from the design-builder. These submittals included capacity analysis, plans for traffic signals, signage and striping. Ms. Michel conducted Quality Assurance/Quality Control reviews to confirm adherence with LADOTD standards and the Manual of Uniform Traffic Control. During the construction, Ms. Michel may provide support by reviewing Traffic Control Devices Plans for proposed lane closures, detours and advanced warning signage.
03/09 – 06/10	**Increase Capacity of LA 311 (Little Bayou Black Road), Savanne Road to LA 664:** This traffic study for the proposed widening of LA 311 from a two-lane undivided to a four-lane divided roadway was conducted under Ms. Michel's supervision. A focus of the study was the development and analysis of alternatives to meet LADOTD EDSM requirements regarding median openings. Ms. Michel was responsible for managing staff and QA/QC for project tasks including collecting traffic data, forecasting future traffic volumes, conducting capacity analysis for roadways and intersections using Highway Capacity Software, conducting turn lane and traffic signal warrants and calculating storage lengths for turn lanes.

10/11 – 05/16	**Increase Capacity of I-10 from Bridge to I-10/I-12 Split Stage 0 Feasibility Study and Stage 1 Environmental Assessment:** Ms. Michel was the Principal in Charge of the Traffic Studies for this multi-faceted project to improve Interstate 10 through Baton Rouge. The project included developing and testing alternatives for operational and safety conditions. Analysis utilized VISSIM models that were prepared to meet LADOTD requirements. Mainline alternatives included an additional lane, interchange relocations, a highpass and slip ramps. The Capitol Regional Planning Commissions Travel Demand model in Transcad was utilized to forecast volumes for various scenarios. Due to the length of the corridor, public meetings were held in three separate locations where Ms. Michel presented the results of the traffic analysis to the public. At the public meetings video animations of the models and analysis results from the VISSIM were presented. The final Stage 0 document was published for public comment to be included in the NEPA process in compliance with the FASTACT. USI also completed the traffic analysis and preparation of three Interchange Modification reports based on the Tiered process to meet Federal Highway Administration (FHNA) requirements. Ms. Michel managed and conducted the QA/QC of the traffic study preparation for the Environmental Assessment that was approved by FHNA.
08/08 – 08/09	**John James Audubon Bridge Traffic Study:** Ms. Michel was project manager for traffic study in West Feliciana Parish analyzing the impacts of relocating the new John James Audubon Bridge. The study entailed an assessment of alternative routes to connect the new bridge location with LA 10. The study included data acquisition, trip generation, traffic assignments and projections using TransCAD travel demand computer modeling, and traffic analysis using Highway Capacity Software (HCS) and TEAPAC Signals. Travel time estimates were also conducted as part of the traffic analysis for a comparison of existing and proposed alternative routes to LA 10.
04/08 – 11/13	**Statewide Safety Studies:** Ms. Michel was project manager for the Statewide Safety Studies Retainer Contract. Task-orders were issued to evaluate the safety of intersections and corridors in Ascension, Lafourche, Natchitoches, Rapides, Terrebonne, Vernon Parishes and others. Ms. Michel conducted field investigations/ Road Safety Assessments in Districts 61 and 08. The studies involved collection of traffic data and a thorough review and analysis of crash reports. The resulting analysis led to either identifying the need for a feasibility study and/or the development of long- and short-term recommendations to reduce correctible crashes.

Firm employed by:	**Urban Systems, Inc**				
Name	**Nicole H. Stewart, PE**		Years of relevant experience with this employer	**19**	
Title	**Senior Traffic Engineer**		Years of relevant experience with other employer(s)	**2**	
Degree(s) / Years / Specialization			**BS/2004/Civil Engineering**		
Active registration number / state / expiration date			**34750/LA/09-30-2025**		
Year registered	**2009**	Discipline	**Professional Engineer: Civil; Highway Safety Course**		
Active registration number / state / expiration date			**2923/LA/08-14-2027**		
Year registered	**2012**	Discipline	**Professional Traffic Operations Engineering**		
Contract role(s) / brief description of responsibilities			**Traffic Engineer / Construction Detours and Signage**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Ms. Stewart has nineteen (19) years of experience in Traffic and Transportation Engineering and is a certified Traffic Control Design Specialist. Ms. Stewart has extensive experience in preparing Transportation Management Plans and site-specific traffic control devices plans for every possible environment. This includes closing downtown streets with bike lanes and sidewalks, suburban road closures on multilane highways, and rural road closures requiring extensive detours as well as ramp and interstate closures, both intermittent and long term. Ms. Stewart has designed numerous traffic signals with and without pedestrian accommodations. She has conducted safety studies for public and private clients to improve pedestrian mobility and safety in areas with high volumes of pedestrian activity. Ms. Stewart has experience in signal design and timing of coordinated systems for LADOTD. She has experience using Highway Capacity Software (HCS), Synchro, and SIDRA.
02/15 – 06/16	**Bridge Preventative Maintenance District 61:** Ms. Stewart was the principal in charge for Traffic Management Plans (TMP) for bridge replacement and repairs for various locations in Louisiana. This included developing various levels of TMP's based on LADOTD EDSM guidelines. Tasks included conducting capacity analysis, safety analysis, detour analysis and developing proposed mitigations where applicable. For the reconstruction of the LA 1 bridge over the Intracoastal Waterway, a detailed Level 3 TMP was prepared. For this TMP, detailed work zone impact management strategies were developed to help minimize the project's impact on mobility.
10/17 – 04/19	**TMP for US 90 Bridge Maintenance over I-10 Ramps at LockMoor:** Ms. Stewart used the LADOTD EDSM guidelines to prepare key components of the traffic management plan (TMP) for proposed bridge repairs on US 90 from PPG Rd to the I-10 entrance ramp in Lake Charles, LA. Tasks include the preparation of collision diagrams, conducting safety analysis, detour analysis and developing proposed mitigations where applicable.
03/10 – 01/14	**Houma-Thibodaux to I-10 Connection North-South Corridor Environmental Impact Statement:** Ms. Stewart evaluated new alignments to connect US 90 to LA 3127 to establish a new north-south corridor to link the existing interstate system to the future I-49 South and provide an alternate route during hurricane evacuations. Ms. Stewart conducted an analysis to evaluate traffic operations for the various alternatives and to recommend lane configurations for the terminal intersections. At the completion of the study Ms. Stewart performed the QA/QC for the Level 2 Transportation Management Plan that was prepared for the final corridor alignment.
04/10 – 09/11	**I-10 Crossing - Irish Bayou Bridge:** Ms. Stewart was the project manager for this project which involved designing traffic control devices plans for the I-10 Highway Crossing Levee Enlargement project at Irish Bayou Road in New Orleans East. The plans included multiple and phased road closures of a six (6) lane section of Interstate 10 including nighttime closures. In addition to managing the project, she was responsible for QA-QC.

02/18 – 03/20	**Severn Ave: Veterans to W. Esplanade:** Ms. Stewart was the traffic engineering project manager of this Jefferson Parish roadway reconstruction project. Severn Ave is a heavily travelled multi-lane boulevard requiring complex construction sequencing. Design plans were developed for temporary signals during construction and the permanent signal configurations with pedestrian accommodation. Signal plans were developed using the latest LADOTD TSI format. Ms. Stewart also managed the temporary traffic control plan development for multiple phases of construction, and she performed QA-QC. Another element of this project was coordination with Jefferson Parish and LADOTD to obtain approval of the Parish's equipment and specifications for use in the LADOTD bidding process.
01/14 – 08/19	**US 90 (I-49 South) Albertson's Parkway to Ambassador Caffery Design-Build Project:** Ms. Stewart prepared the Traffic Control Device Plans for all phases of construction. Ms. Stewart was responsible for the design of the permanent signage for the new portion of I-49 within the project limits. Traffic Control Devices and Signage plans were prepared to be in accordance with the Manual of Uniform Traffic Control Devices and the most current LADOTD standards. Throughout construction, Ms. Stewart was available to meet with the contractor and visit the construction site on an as needed basis. Ms. Stewart provided timely responses to RFI's and prepared plan changes to address concerns raised in the field. She also prepared As-Built plans once the project was completed in August 2019.
05/18 – 06/19	**Louis Armstrong International Airport – Offsite Roadway Signage:** Ms. Stewart was the principal in charge of the design of offsite roadway signage for the new north terminal of the Louis Armstrong International Airport throughout portions of Jefferson Parish. Ms. Stewart identified potential locations for additional wayfinding signage on parish roadways and on both I-10 and I-310. Ms. Stewart performed the QA/QC of the signage designs for both the existing parking facilities adjacent to the south terminal and at the new north terminal accessed via Loyola Dr. This included interactive signage on I-10 to direct motorists to parking facilities based on available spaces. This required electronic communication between the sign and the parking management systems. The signage was designed accordance with the Manual of Uniform Traffic Control Devices and Louisiana DOTD standards where applicable.

Firm employed by:	**Urban Systems, Inc**			
Name	**Christine M. Darrah, PE**	Years of relevant experience with this employer	**12**	
Title	**Engineer of Record for Traffic Control Devices Plans**	Years of relevant experience with other employer(s)	**20**	
Degree(s) / Years / Specialization		**BS/1994/Civil Engineering**		
Active registration number / state / expiration date		**28528/LA/09-30-2025**		
Year registered	**1999** Discipline	**Professional Engineer: Civil**		
Contract role(s) / brief description of responsibilities		**Traffic Engineer / Construction Detours and Signage**		

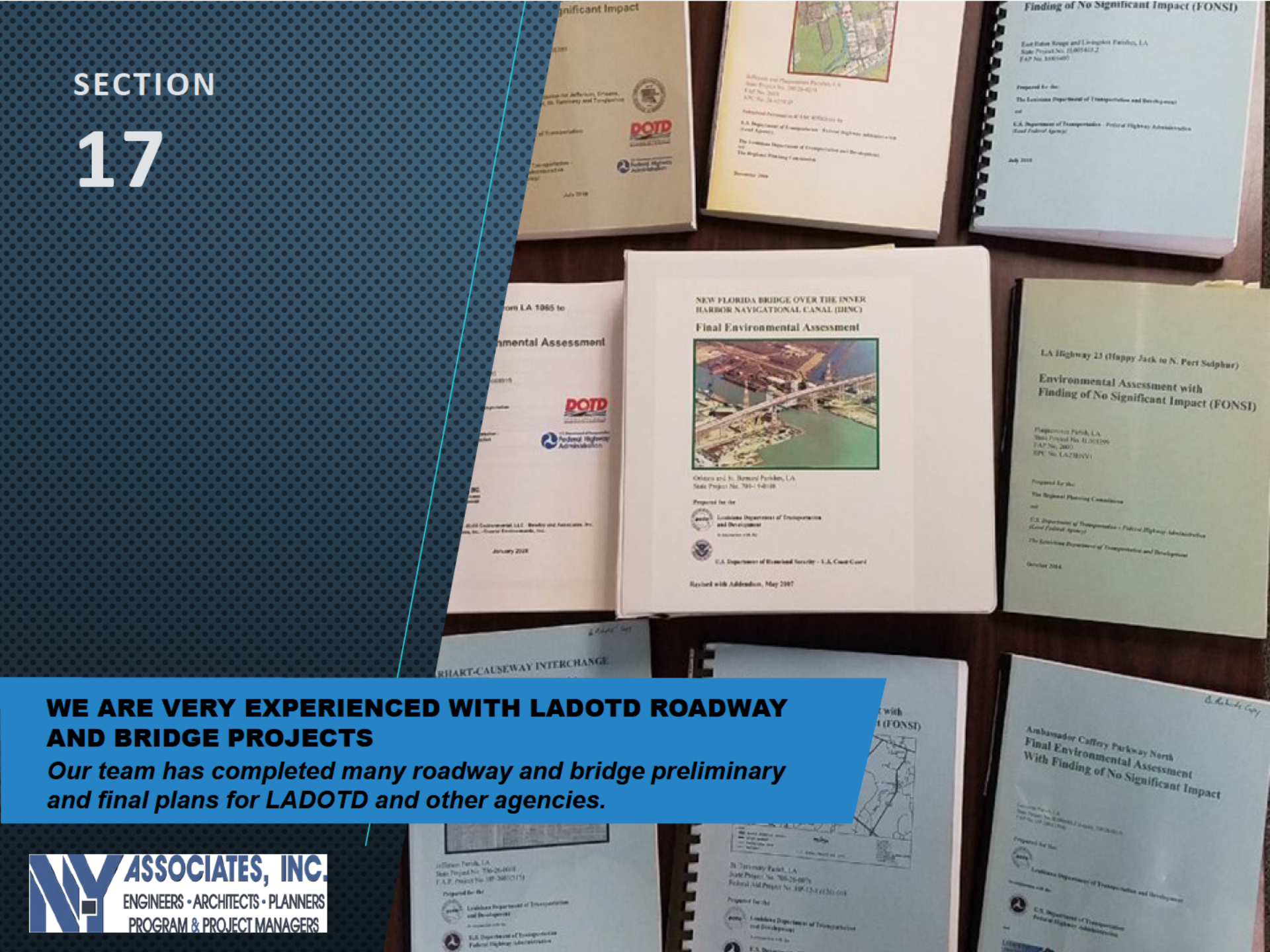
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Ms. Darrah has experience in Transportation/Civil Engineering including maintenance of traffic, roadway design plans and specifications, construction management and quality control. She is proficient in the use of AutoCAD, Adobe Illustrator, and Highway Capacity Software (HCS). She also has experience using MicroStation and TransCAD. She has experience developing temporary striping and signage plans for various conditions including lane closures, road closures, flagging operations and full detour plans. Ms. Darrah has prepared traffic signal design plans in LADOTD format. She has been involved in Operational Analysis, Data Collection, Safety Studies, Crash Data Analysis, and Bike/ Pedestrian accommodations. Her many years and wide variety of experiences are valuable during studies, design development and QA/QC.
11/20 – 02/23	**US 190 at Northshore and Camp Villere Roundabouts:** As project engineer, Ms. Darrah oversaw the design of permanent striping & signage plans per LADOTD standards and specifications. She also designed temporary traffic signals that would be required during the multiple phases of roundabout construction. A Level 2 Traffic Management Plan (TMP) was also prepared. Ms. Darrah coordinated with the prime-consultant, St Tammany Parish, and LADOTD as needed.
03/21 – 04/21	**I-610 Transmission Line Crossing at Frenchman:** Ms. Darrah was the Project Engineer for the interstate closure project to assure public safety during overhead transmission lines repairs, this included a full closure of both directions of I-610 and westbound on ramp Elysian Fields Ave, in New Orleans. Ms. Darrah coordinated the six-hour interstate closure and associated detours with LADOTD and City of New Orleans, LA . She designed Traffic Control Devices Plans applying MUTCD, LADOTD and City of New Orleans standards for proper placement of traffic control devices including portable changeable message boards. Ms. Darrah utilized AutoCAD to assist in final preparation of plans.
03/17 – 03/18	**Milan St Terminal:** As the project's lead engineer Ms. Darrah designed Construction Sequencing and Permanent Striping Layouts and Signage plans. Construction sequencing included keeping port tenants fully operational through each phase of construction. All plans were prepared in accordance with LADOTD and MUTCD guidelines.
06/22 – 10/22	**KCS Acadian Thruway:** This project included lane closures and full closure of Acadian Thruway at the KCS bridge near the I-10 interchange in East Baton Rouge Parish. Ms. Darrah prepared the Traffic Control Devices Plans applying MUTCD and LADOTD standards for proper placement of traffic control devices. Additional project efforts included designing lane closures on an I-10 onramp for laydown access and police-controlled haul routes.
09/14 – 12/14	**SELA 26 Widening of Florida Ave. Canal Phase II and III:** Ms. Darrah designed Traffic Control Devices Plans to meet US Army Corps of Engineers, LADOTD and MUTCD standards. The plans and specifications included, but were not limited to, the proper placement of temporary Traffic Control Devices (signs, barricades, drums, roadway markings, etc.) to facilitate traffic safely and efficiently through the traffic control zone. Haul routes were designated when necessary.
03/13 – Ongoing	**FEMA Recovery Roads Program:** Ms. Darrah assisted with the design plans for the initial phase of roadway restoration for the Seventh Ward, Bayou St John and Fairgrounds neighborhoods that were damaged by events related to Hurricane Katrina. Plans were prepared for partial and full concrete and asphalt pavement replacement and asphalt mill and overlay. Incidental paving included sidewalk and driveway replacement and ADA ramp installation at all intersections. She assisted with estimating for quantities and construction costs. For the second phase of design services, the plans were for the full re-construction of several streets including waterline replacement Construction Administration services included overseeing inspectors and constriction operations, invoice reviews, preparation of field changes, plan changes for scope modifications, and close out documents. The current task is construction administration and Ms. Darrah is managing the inspector and coordinating with the contractor to confirm the construction and reporting meets the City of New Orleans DPW standards.

Firm employed by:	**Urban Systems, Inc**				
Name	**Matthew H. Morgan, PE, PTOE**		Years of relevant experience with this employer	**10**	
Title	**Transportation Engineer**		Years of relevant experience with other employer(s)	**0**	
Degree(s) / Years / Specialization			**BS/2009/Civil Engineering**		
Active registration number / state / expiration date			**47060/LA/03-31-2027**		
Year registered	**2002**	Discipline	**Professional Engineer: Civil**		
Active registration number / state / expiration date			**5893/LA/03-19-2028**		
Year registered	**2025**	Discipline	**Professional Traffic Operations Engineering**		
Contract role(s) / brief description of responsibilities			**Traffic Engineer / Construction Detours and Signage**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Mr. Morgan has (13) thirteen years' experience that ranges from starting as a Data Collection Manager while in college to an E.I and now a P.E. for Traffic Engineering/ Transportation planning projects. He has collected and delivered volume, class, and speed data to project managers using road tube equipment and camera systems. Mr. Morgan has been a team member for many projects that involved intersection, freeway, and highway analysis. He has assisted with Traffic Impact Studies, Traffic Control Device Plans, Interchange Modification/Justification Reports, Stage 0 Studies, Transportation Management Plans, and a variety of other studies. Mr. Morgan's design experience includes from traffic signals, signage and striping. He has been heavily involved in complete streets projects with a focus on bike/ pedestrian facilities. Morgan's wide range of experience in a short time will bring creativity and innovation to roadway projects when traditional methods won't meet the unique needs of the community. He is proficient in the following software: PetraPro, TraxPro, MetroCount, Excel, AutoCAD, SIDRA, HCS, SIDRA, VISSIM, CORSIM, and Adobe Suite.
03/16 – 08/18	**Future I-49 South Study (Raceland to Westbank Expressway), Stage 1:** The study area spanned US 90 from Raceland to Westbank Expressway in Jefferson, Lafourche, and St. Charles Parishes . Mr. Morgan led the data collection effort which included traffic volume collection, speed studies, and vehicle classification. He performed site investigations and assisted project engineers with the development of figures and tables to present the data. He utilized LADOTD's resources and tools during the study phase for analysis of existing conditions.
03/22 – 09/22	**Hundred Oaks Broussard Bridges TCDP:** The objective of the Traffic Control Devices Plan (TCDP) in East Baton Rouge Parish, LA was to provide adequate advanced notice and signage to drivers for the closure of two local roadway bridges. Mr. Morgan led the design of the TCDP for each bridge closure which incorporated local municipalities' standards, as well as the Manual on Uniform Traffic Control Devices (MUTCD) standards. Mr. Morgan used aerial photography and the Google Earth mapping program to designate placement of detour and advanced warning signage. He oversaw the creation of the plans in AutoCAD, a CAD-type software oriented to drawing and modeling. He used QA/QC to verify the plans before delivering electronic versions of preliminary plans to the client using Adobe PDF format.
12/18 – 10/22	**LA 46- St. Claude Bridge Bicycle Accommodation:** Mr. Morgan developed short-term and long-term alternatives for safely accommodating bicyclists across the raised portion of LA 46 at the St. Claude Bridge and over the Inner Harbor Navigational Canal lift span. To accomplish this task, he conducted field observations which included sight distance evaluations, identifying existing equipment to be modified/removed, collecting classification data for pedestrians, vehicles, and bicycles, and collecting vehicular speed data. Mr. Morgan assisted with the cost estimate and the preparation of a technical memorandum to present these alternatives to the Port of New Orleans.
10/22 – 11/24	**Inner Harbor Navigation Canal (IHNC) Lock Replacement Traffic Study:** Mr. Morgan developed and coordinated a traffic study to analyze existing and projected vehicular operational and safety conditions for the Inner Harbor Navigational Canal (IHNC) lock replacement near the St. Claude, Claiborne, and Florida Bridges. To accomplish this, he conducted field observations and assisted in the collection of vehicular volume, class and speed data. Mr. Morgan reviewed the vehicular data along with historical bridge logs, which included when bridges opened to allow marine vessels to pass and halted vehicular traffic, to identify peak periods for analysis. He reviewed the Regional Planning Commission's Macroscopic Transportation model data and summarized the anticipated growth in the study area. Mr. Morgan reviewed crash/safety history to summarize crash characteristics of the study area, the Level of Service of Safety (LOSS) for major study area intersections, existing safety concerns, and crash locations. He analyzed existing and future with project traffic conditions using the VISSIM microscopic traffic simulation software and summarized methods of effectiveness. Mr. Morgan led the effort in summarizing all the data collection, safety findings, and analysis results in a technical report. He participated in weekly online/in-person meetings with stakeholders to communicate and coordinate project milestones.

SECTION

17



WE ARE VERY EXPERIENCED WITH LADOTD ROADWAY AND BRIDGE PROJECTS

Our team has completed many roadway and bridge preliminary and final plans for LADOTD and other agencies.

NY ASSOCIATES, INC.
ENGINEERS • ARCHITECTS • PLANNERS
PROGRAM & PROJECT MANAGERS

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

Firm Name	N-Y Associates, Inc.	Discipline(s)*	Bridge, Road, Environmental
Project name	1. Replacement of Rural Bridges on LA Hwy. 119, LADOTD District 08	Firm responsibility (prime or sub?)	Sub
Project number	H.014245	Owner's name	LADOTD
Project location	Natchitoches Parish, LA	Owner's Project Manager	Brian Allen, PE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802 / (225) 379-1840 / brian.allen@la.gov		
Services commenced by this firm (mm/yy)	01/22	Total consultant contract cost ($1,000's)	$300 est.
Services completed by this firm (mm/yy)	06/25	Cost of consultant services provided by this firm ($1,000's)	$175

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

H.014245: Includes 5 bridges on LA Highway 119 in Natchitoches Parish:

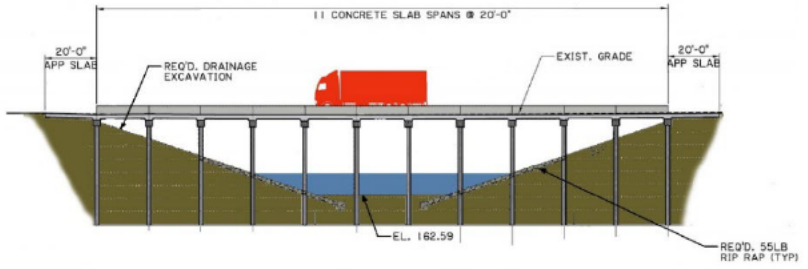
- ***A six (6) span concrete slab span bridge with a total length of 120 feet over Creek 1.***
- ***An eleven (11) span concrete slab span bridge with a total length of 220 feet over Creek 2.***
- ***A three (3) span LG-36 girders bridge with a total length of 160 feet over Bayou Pierre.***
- ***A six (6) span concrete slab span bridge with a total length of 120 feet over Creek 3.***
- ***Four (4), 8 foot width by 5 foot height by 75 foot long box culverts over Creek 4.***


Existing Conditions: Bridge Crossing Creek 2, LA 119 in Natchitoches Parish

As a subconsultant to another firm, N-Y is responsible as the design professional of record for the Bridge Design and Load Ratings, the H&H Analyses and Reports and the SOVs and NEPA Categorical Exclusion tasks.

- **A Hydraulics Report and Scour Analysis to evaluate each site and provide a recommended drainage alternate and applicable dimensions. Hydraulic Design of the drainage structure in accordance with the DOTD Hydraulics Manual.** Pre-cast concrete box culvert alternatives were considered and recommended to LADOTD to replace bridges where appropriate.
- **Solicitation of Views and Preparation of the Categorical Exclusion document in compliance with NEPA and FHWA criteria and guidelines.**
- **Preliminary and Final Bridge Plans including** Typical Sections; Quantities; Erosion Control Plan; Cross-Sections; Geometric Design; Plan/Profile Sheets; Foundation Layout; Construction Cost Estimates; Design Reports, Waivers and Exceptions; and Bridge Design Criteria.
- **Bridge Load Rating Reports**

N-Y MEMBERS
J. Simmons, PE
F. Nicoladis, PE
M. Nicoladis, EI, MBA
W. Haensel, PE
P. Claverie, EI, MS
D. Voss, NICET
N. Jackson, CADD



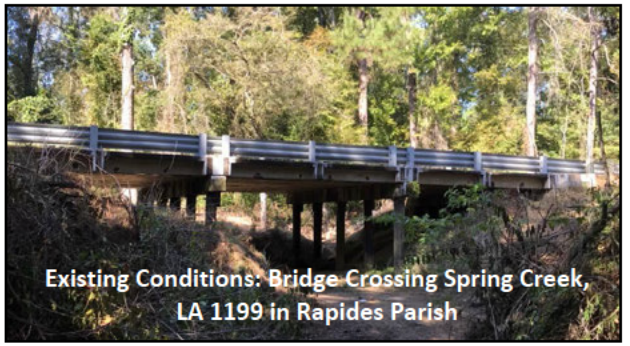
H.014245: Proposed Bridge Crossing Creek 2, LA 119 in Natchitoches Parish

Firm Name	N-Y Associates, Inc.	Discipline(s)*	Bridge, Road, Environmental
Project name	2. Replacement of Rural Bridges on LA Hwy. 1199, LADOTD Districts 08	Firm responsibility (prime or sub?)	Sub
Project number	H.014246	Owner's name	LADOTD
Project location	Rapides Parish, LA	Owner's Project Manager	Brian Allen, PE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802 / (225) 379-1840 / brian.allen@la.gov		
Services commenced by this firm (mm/yy)	01/22	Total consultant contract cost ($1,000's)	$185 est.
Services completed by this firm (mm/yy)	06/25	Cost of consultant services provided by this firm ($1,000's)	$107

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

H.014246: Includes 3 bridges on LA Highway 1199 in Rapides Parish:

- ***A four (4) span concrete slab span bridge with a total length of 80 feet over Creek 1.***
- ***A four (4) span concrete slab span bridge with a total length of 80 feet over Creek 2.***
- ***A seven (7) span concrete slab span bridge with a total length of 140 feet over Spring Creek.***



Existing Conditions: Bridge Crossing Spring Creek, LA 1199 in Rapides Parish

As a subconsultant to another firm, N-Y is responsible as the design professional of record for the Bridge Design and Load Ratings, the H&H Analyses and Reports and the SOVs and NEPA Categorical Exclusion tasks.

- **A Hydraulics Report and Scour Analysis to evaluate each site and provide a recommended drainage alternate and applicable dimensions. Hydraulic Design of the drainage structure in accordance with the DOTD Hydraulics Manual.** Pre-cast concrete box culvert alternatives were considered and recommended to LADOTD to replace bridges where appropriate.
- **Solicitation of Views and Preparation of the Categorical Exclusion document in compliance with NEPA and FHWA criteria and guidelines.**
- **Preliminary and Final Bridge Plans including** Typical Sections; Quantities; Erosion Control Plan; Cross-Sections; Geometric Design; Plan/Profile Sheets; Foundation Layout; Construction Cost Estimates; Design Reports, Waivers and Exceptions; and Bridge Design Criteria.
- **Bridge Load Rating Reports**

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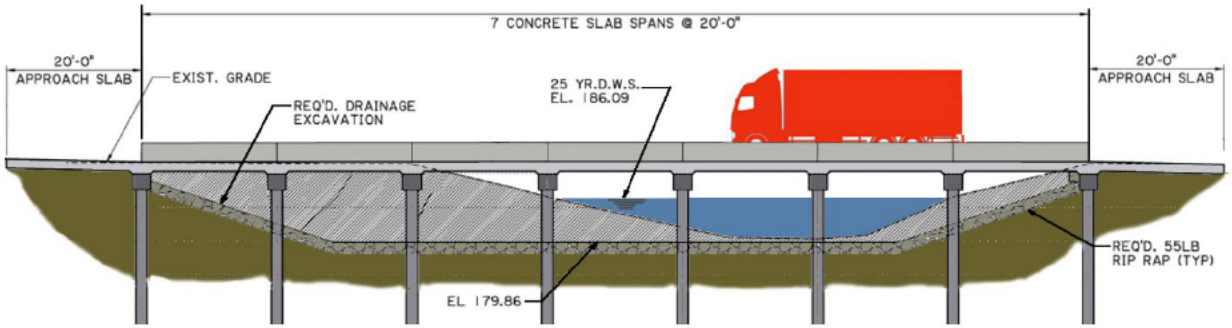
D. Voss, NICET
N. Jackson, CADD



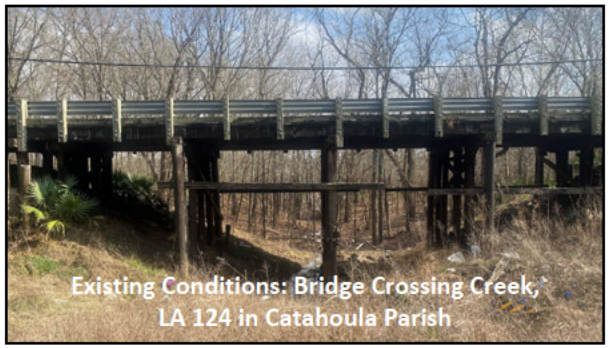
H.014246: Proposed Bridge Crossing Spring Creek, LA 1199 in Rapides Parish

Firm Name	N-Y Associates, Inc.	Discipline(s)*	Bridge, Road, Environmental
Project name	3. Replacement of Rural Bridges on LA Hwy. 124, LADOTD District 58	Firm responsibility (prime or sub?)	Sub
Project number	H.014248	Owner's name	LADOTD
Project location	Catahoula Parish, LA	Owner's Project Manager	Brian Allen, PE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802 / (225) 379-1840 / brian.allen@la.gov		
Services commenced by this firm (mm/yy)	01/22	Total consultant contract cost ($1,000's)	$185 est.
Services completed by this firm (mm/yy)	06/25	Cost of consultant services provided by this firm ($1,000's)	$111

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

H.014248: Includes 3 bridges on LA Highway 124 in Catahoula Parish:

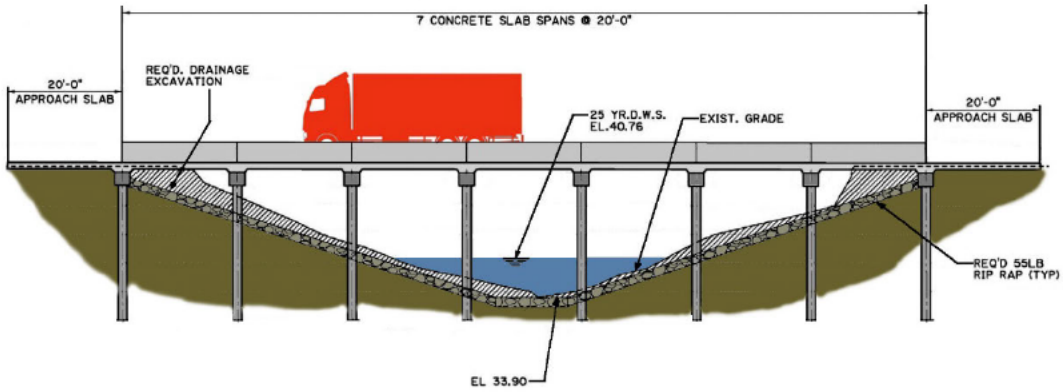
- ***Four (4), 48 inch by 80 foot long reinforced concrete pipe culverts over Broke Leg Bayou.***
- ***An eight (8) span concrete slab span bridge with a total length of 160 feet over Boggy Bayou.***
- ***A seven (7) span concrete slab span bridge with a total length of 140 feet over Creek.***


Existing Conditions: Bridge Crossing Creek, LA 124 in Catahoula Parish

As a subconsultant to another firm, N-Y is responsible as the design professional of record for the Bridge Design and Load Ratings, the H&H Analyses and Reports and the SOVs and NEPA Categorical Exclusion tasks.

- **A Hydraulics Report and Scour Analysis to evaluate each site and provide a recommended drainage alternate and applicable dimensions. Hydraulic Design of the drainage structure in accordance with the DOTD Hydraulics Manual.** Pre-cast concrete box culvert alternatives were considered and recommended to LADOTD to replace bridges where appropriate.
- **Solicitation of Views and Preparation of the Categorical Exclusion document in compliance with NEPA and FHWA criteria and guidelines.**
- **Preliminary and Final Bridge Plans including** Typical Sections; Quantities; Erosion Control Plan; Cross-Sections; Geometric Design; Plan/Profile Sheets; Foundation Layout; Construction Cost Estimates; Design Reports, Waivers and Exceptions; and Bridge Design Criteria.
- **Bridge Load Rating Reports**

N-Y MEMBERS
J. Simmons, PE
F. Nicoladis, PE
M. Nicoladis, EI, MBA
W. Haensel, PE
P. Claverie, EI, MS
D. Voss, NICET
N. Jackson, CADD



H.014248: Proposed Crossing Creek, LA 124 in Catahoula Parish

Firm Name	N-Y Associates, Inc.	Discipline(s)*	Bridge, Road, Environmental
Project name	4. Replacement of Rural Bridges on LA Hwy. 472 and 577, LADOTD Districts 08 and 58	Firm responsibility (prime or sub?)	Sub

Project number	H.014243 & H.014250	Owner's name	LADOTD
Project location	Grant and Franklin Parishes, LA	Owner's Project Manager	Brian Allen, PE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802 / (225) 379-1840 / brian.allen@la.gov		
Services commenced by this firm (mm/yy)	01/22	Total consultant contract cost ($1,000's)	$250 est.
Services completed by this firm (mm/yy)	06/25	Cost of consultant services provided by this firm ($1,000's)	$150

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

H.014243: Includes 2 bridges on LA Highway 472 in Grant Parish:

- ***An eight (8) span concrete slab span bridge with a total length of 160 feet over Indian Creek.***
- ***An eight (8) span concrete slab span bridge with a total length of 160 feet over Big Bear Creek.***

H.014250: Includes 2 bridges on LA Highway 577 in Franklin Parish:

- ***A five (5) span concrete slab span bridge with a total length of 100 feet over Bull Bayou.***
- ***A three (3) span concrete slab span bridge with a total length of 60 feet over Creek.***

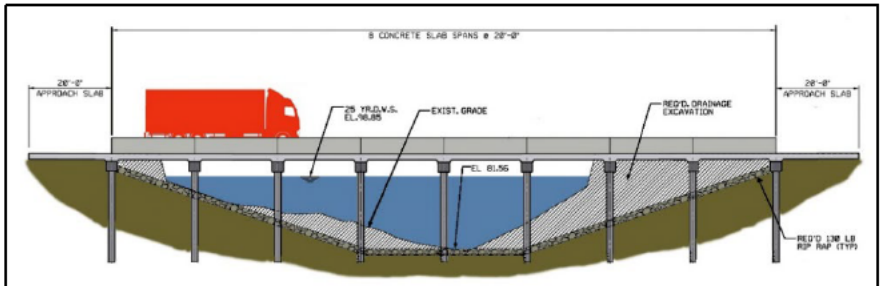

Existing Conditions: Bridge Crossing Big Bear Creek, LA 472 in Grant Parish


Existing Conditions: Bridge Crossing Bull Bayou, LA 577 in Franklin Parish

As a subconsultant to another firm, N-Y is responsible as the design professional of record for the Bridge Design and Load Ratings, the H&H Analyses and Reports and the SOVs and NEPA Categorical Exclusion tasks.

- **A Hydraulics Report and Scour Analysis to evaluate each site and provide a recommended drainage alternate and applicable dimensions. Hydraulic Design of the drainage structure in accordance with the DOTD Hydraulics Manual.** Pre-cast concrete box culvert alternatives were considered and recommended to LADOTD to replace bridges where appropriate.
- **Solicitation of Views and Preparation of the Categorical Exclusion document in compliance with NEPA and FHWA criteria and guidelines.**
- **Preliminary and Final Bridge Plans including** Typical Sections; Quantities; Erosion Control Plan; Cross-Sections; Geometric Design; Plan/Profile Sheets; Foundation Layout; Construction Cost Estimates; Design Reports, Waivers and Exceptions; and Bridge Design Criteria.
- **Bridge Load Rating Reports**

N-Y MEMBERS
J. Simmons, PE
F. Nicoladis, PE
M. Nicoladis, EI, MBA
W. Haensel, PE
P. Claverie, EI, MS
D. Voss, NICET
N. Jackson, CADD



H.014243: Proposed Bridge Crossing Big Bear Creek, LA 472 in Grant Parish

Firm Name	N-Y Associates, Inc.	Discipline(s)*	Bridge, Road
Project name	5. US Highway 61 Bridges over the Comite Diversion Canal	Firm responsibility (prime or sub?)	Prime
Project number	W912P8-16-D-0006	Owner's name	USACE, New Orleans District
Project location	East Baton Rouge Parish, LA	Owner's Project Manager	Chris Dunn, PE
Owner's address, phone, email	7400 Leake Avenue, New Orleans, LA 70160 / (504) 862-1799 / christopher.l.dunn@usace.army.mil		
Services commenced by this firm (mm/yy)	06/18	Total consultant contract cost ($1,000's)	$2,606
Services completed by this firm (mm/yy)	12/24	Cost of consultant services provided by this firm ($1,000's)	$2,501

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

The Comite River Diversion Project is a 12-mile long channel running east-to-west between the Comite River and the Mississippi River, approximately 15 miles north of Baton Rouge, LA. The channel alignment crosses numerous existing highways, railroads, utility right-of-way, and streams, including US Highway 61 and the Kansas City Southern Railway.

N-Y was the designer and professional engineer of record for the following features of work with an approximate construction value of $50 million.

N-Y MEMBERS
J. Simmons, PE
F. Nicoladis, PE
M. Nicoladis, EI, MBA
S. Fall, PE
F. Mortali, PE
D. Voss, NICET
N. Jackson, CADD/CIM

US Highway 61 Bridges and Bypass Road:

- ***The US 61 Highway Bridges were designed as twin parallel structures for northbound & southbound traffic. The bridges are 350 feet long with five equal spans. Each bridge has two, 12' travel lanes, a 6' inside shoulder, a 10' outside shoulder and a design speed of 65 mph.*** The bridge superstructures are cast-in-place concrete deck on pre-cast pre-stressed concrete AASHTO Type III girders. The bridge superstructure is supported on concrete bent caps, concrete columns and concrete drilled shafts. The design of the columns and drilled shafts include provisions for a 30 feet of channel scour at the drilled shafts and a channel flow velocity in excess of 7 ft./sec. The ends of the bridges are supported by concrete abutments and wing walls on pre-cast pre-stressed concrete piles. Design of the bridge is based on current LADOTD and AASHTO criteria.
- ***The US 61 Bypass Road was required for construction of the new US Highway 61 Bridges.*** Bulb Out Direction Crossovers were required for the bypass road and retained in the final phase. These crossovers were located at the southbound left turn lane at Irene Road and the north bound left turn lane located about 3800 feet north of the future bridge at the entrance to the Thompson Pipe Group Flowtite site on Samuels Rd.
- ***Additional project features include: Relocation of a 2700 LF segment of Barnett Road and design of all site drainage and a section of the Comite River Diversion Channel beneath, between and adjacent to the new bridges.***

Firm Name	SJB Group, L.L.C.			Discipline(s)*	Survey, Right-of-Way
Project name	6. Rural Bridge Replacement Initiative			Firm responsibility (prime or sub?)	Sub
Project number	21-DR-US-0038	Owner's name	LADOTD		
Project location	Multiple Locations in Louisiana (Districts 03,07,61,62)			Owner's Project Manager	Brian Allen, PE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, Louisiana, 70802 / (225) 379-1840 / brian.allen@la.gov				
Services commenced by this firm (mm/yy)	08/20	Total consultant contract cost ($1,000's)	$1,254		
Services completed by this firm (mm/yy)	04/24	Cost of consultant services provided by this firm ($1,000's)	$1,254		

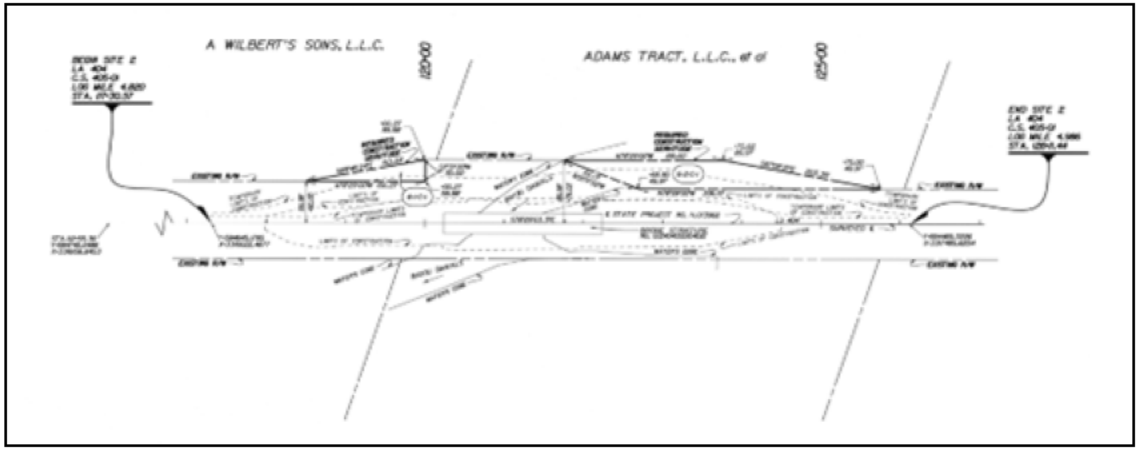
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

SJB Group performed **topographic surveying, property surveying, right-of-way mapping**, and roadway design of 33 bridge replacements for Districts 03, 07, 61, and 62 as a sub-consultant to Burk-Kleinpeter within their contract with the LA Department of Transportation (LA DOTD). The topographic survey was completed in accordance with all principles and objectives set forth in the latest version of the LA DOTD Location and Survey Manual. A complete topographic survey of the project corridor for each site included a complete inventory for each drainage structure (type, size, length, and invert), and includes cross sections of all drainage ways.

Property surveys were carried out for all potentially affected properties within the project corridor. Right-of-way mapping was also performed for each roadway along the project corridor. Roadway design included vertical and horizontal alignment of the bridge transitions, guard rails, and embankment design, typical roadway sections, and roadside drainage. The deliverables included preparation of property maps, base right-of-way maps, final right-of-way maps, Bently design files, drawing files, right-of-way map sets, and the preparation of a parcel input file of the acquisition parcels. The survey was conducted according to the LA DOTD location and survey manual "Addendum A" requirements.

The deliverables were provided in accordance with the LA DOTD guidelines for electronic deliverables. SJB Group performed 100% of the project 480530.

SJB MEMBERS
C. Tim Brewer, PLS
Matt Estopinal, PLS
Elvis Nguyen
Phillip Dowden
John Burleigh
Duke Koontz
C. Paul Young
Tyler Foster



Firm Name	SJB Group, L.L.C.			Discipline(s)*	Survey
Project name	7. LA 1 to LA 415 Connector to Interstate 10			Firm responsibility (prime or sub?)	Prime
Project number	H.005121	Owner's name	LADOTD		
Project location	Port Allen, West Baton Rouge Parish, LA			Owner's Project Manager	Jonathan Herrod
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, Louisiana, 70802 / 225-379-1105 / Jonathan.Herrod@la.gov				
Services commenced by this firm (mm/yy)	10/23	Total consultant contract cost ($1,000's)	$247		
Services completed by this firm (mm/yy)	12/24	Cost of consultant services provided by this firm ($1,000's)	$242.9		

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

The project provides field data for the final design of a roadway to connect LA 1 to LA 415. The project is a supplement to previously performed surveying for the realignment of the due to recent development and construction. The project limits included a 2.9-mile corridor beginning approximately 0.2 miles north of the intersection of I-10 and LA 415 and continuing in a southeasterly direction along the extension of LA 415 across the intercoastal canal, industrial areas, and agriculture field to the intersection of LA. The project limits also include an approximate 1.8-mile corridor along LA 1 that extends from the roadway into residential, commercial, and retail areas. The project includes the collection of current conditions of the areas included in the project limits and merging the current data with the previous survey and updating any observed condition changes. The project includes the recovery and supplement of the existing control network. The collection of field data is completed through the utilization of conventional survey methods with survey total stations and global positioning systems (GPS). **Mobile LiDaR** survey methods utilized for the collection of data along the high traffic segments of LA 1, Interstate 10 ramps, and LA 415. The data was processed through Trimble Business Center, with data extraction performed through TopoDot. The survey is being conducted according to the Louisiana Department of Transportation and Development Location and Survey Manual. The deliverables will be provided in accordance with the LADOTD guidelines for electronic deliverables.

SJB MEMBERS
C. Tim Brewer, PLS
Colby Mire, PLS
Tyler Foster
Elvis Nguyen
Phillip Dowden
Erick Kidder

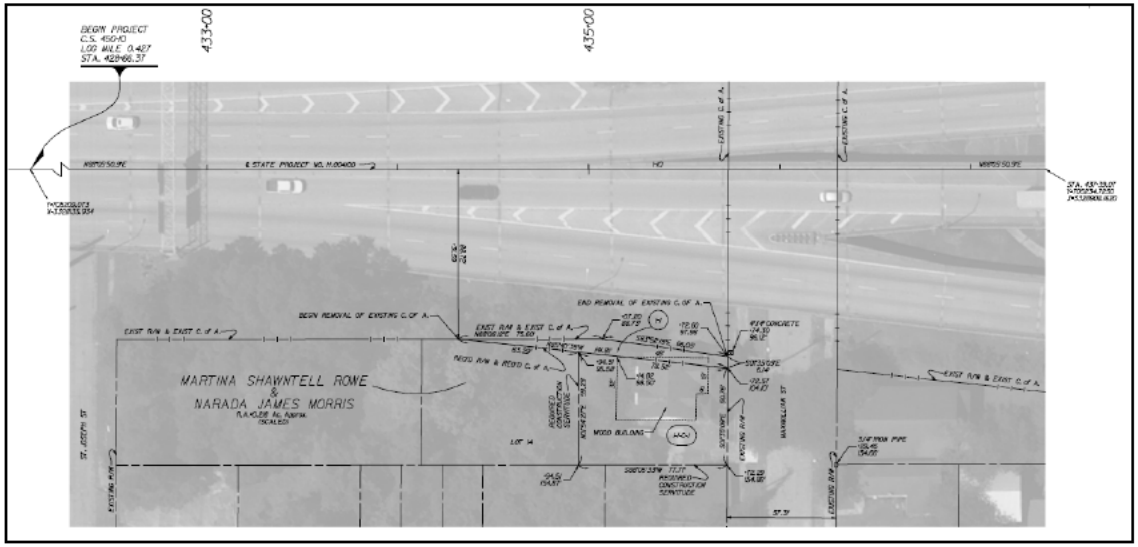
Firm Name	SJB Group, L.L.C.			Discipline(s)*	Survey, Right-of-Way
Project name	8. I-10 Widening from LA 415 to Essen			Firm responsibility (prime or sub?)	Prime
Project number	H.0016118	Owner's name	LADOTD		
Project location	East Baton Rouge Parish, LA			Owner's Project Manager	Mark Hughes
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, Louisiana, 70802 / 225-379-1105 / mark.hughes@la.gov				
Services commenced by this firm (mm/yy)	07/21	Total consultant contract cost ($1,000's)			$148,326
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)			$148,326

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

SJB Group performed property surveying, partial topographic surveying, and right-of-way mapping along a 4.4-mile stretch of Interstate 10 extending from LA 415 to Essen Lane in East Baton Rouge Parish for the LA Department of Transportation and Development's widening project. This project included a limited topographic survey to supplement and verify previous topographic surveys of the I-10 and I-12 corridor. Under the current IDIQ contract and task orders, SJB Group performed additional property surveys of specific areas designated by the project design team. This project required extensive title research to acquire the necessary existing surveys and deeds for initiation of the property survey portion in addition to the substantial amount of review of the title research reports supplied to SJB by LADOTD. It also required field surveying and mapping of an excess of one hundred parcels along the project corridor, which range in size from small urban residential lots to large commercial tracts. This project corridor also encompasses existing drainage and access servitudes, railroad rights-of-way, and numerous side streets in the heart of Baton Rouge, all of which SJB Group surveyed and mapped. The deliverables included preparation of property map, base right-of-way maps, final right-of-way maps, MicroStation drawing files in Bentley Design Files, right of way map sets, and the preparation of a parcel input file of the acquisition parcels.

The survey was conducted according to the LA Department of Transportation and Development Location and Survey Manual, Addendum "A" requirements. The deliverables were provided in accordance with the LADOTD guidelines for electronic deliverables.

SJB MEMBERS
C. Tim Brewer, PLS
Matt Estopinal, PLS
Phillip Dowden
Tyler Foster
Duke Koontz
C. Paul Young
Colby Mire, PLS
John Burleigh



Firm Name	ELOS Environmental, LLC			Discipline(s)*	Environmental
Project name	9. DOTD IIJA Off System Bridges District 62			Firm responsibility (prime or sub?)	Sub
Project number	Multiple H. No.	Owner's name	LADOTD		
Project location	Tangipahoa Parish, LA			Owner's Project Manager	Greg Sepeda (Sigma)
Owner's address, phone, email	1201 Capital Access Rd., Baton Rouge, LA 70802-4438 / 225-810-3100 / gsepeda@sigmacg.com				
Services commenced by this firm (mm/yy)	09/22	Total consultant contract cost ($1,000's)			$129
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)			$127

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

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

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

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

ELOS MEMBERS
Lucas Watkins
Basile Dardar
Christopher Wilson

Firm Name	ELOS Environmental, LLC		Discipline(s)*		Environmental
Project name	10. LADOTD Rural Bridges: Phases I & II			Firm responsibility (prime or sub?)	Sub
Project number	Multiple H No.	Owner's name	LADOTD		
Project location	Statewide, LA (Districts 3, 5, 7, 8, 58, 61, and 62)		Owner's Project Manager	Brian Allen, PE	
Owner's address, phone, email	1201 Capital Access Rd., Baton Rouge, LA 70802-4438 / 225-379-1840/ brian.allen@la.gov				
Services commenced by this firm (mm/yy)	08/20	Total consultant contract cost ($1,000's)			Unknown
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)			$541.8

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

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

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

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

ELOS MEMBERS
Lucas Watkins
Brian Fortson
Cory Ricks
Basile Dardar
Christopher Wilson

Firm Name	ELOS Environmental, LLC			Discipline(s)*	Environmental
Project name	11. EBR IIJA Off-System Bridge Program			Firm responsibility (prime or sub?)	Sub
Project number	Multiple H No.	Owner's name	LADOTD		
Project location	East Baton Rouge Parish, LA			Owner's Project Manager	Dusty Bastion (HNTB Corporation)
Owner's address, phone, email	450 Laurel St., Ste. 1200, Baton Rouge, LA 70801 / 225-368-2800/ dbastion@hntb.com				
Services commenced by this firm (mm/yy)	03/23	Total consultant contract cost ($1,000's)			$108
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)			$87

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

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

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

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

ELOS MEMBERS
Lucas Watkins
Brian Fortson
Cory Ricks
Basile Dardar

Firm Name	APS Engineering and Testing, LLC	Discipline(s)*	Geotech
Project name	12. I-10 Widening LA 415 to Essen LN	Firm responsibility (prime or sub?)	Sub
Project number	H.004100	Owner's name	LADOTD
Project location	Baton Rouge, LA	Owner's Project Manager	Kristy Smith, PE
Owner's address, phone, email	1201 Capital 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)	09/24	Cost of consultant services provided by this firm ($1,000's)	$400

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

Geotechnical investigation to provide the client with necessary information for the planning and design of I-10 widening. APS drilled and sampled a total of 52 deep borings beginning at the Washington Exit and ending at the LSU lakes. Along with drilling and sampling, APS tested for strength and engineering characteristics of the soils. The testing program included visual classification, determination of water (moisture) content, ash content, organic material of peat and other organic soils, amount of materials finer that 75-µm (No. 200) sieve in soils by washing, and approximately 1,000 triaxial compression, unconsolidated drained or undrained (UU) and Atterberg limits performed.

SIMILARITIES TO PROFESSIONAL GEOTECHNICAL SERVICES	
X	Geotechnical Explorations (GE)
X	Geotechnical Design (GD)
X	Geotechnical Construction (GC)
X	CMAR
X	Constructability
X	Contract Management (CM)

APS MEMBERS
Sergio Aviles, PE
Sai Eddanapudi, ME, PE
Surendra Raj Pathak, MS, PE

Firm Name	APS Engineering and Testing, LLC			Discipline(s)*	Geotech
Project name	13. Comite River Diversion Bridge at LA-67, LA-19 and LA-19 Railroad Bridge			Firm responsibility (prime or sub?)	Sub
Project number	H.001352; H.002273	Owner's name	Huval & Associates, Inc.		
Project location	East Baton Rouge, LA		Owner's Project Manager	Thomas M. Gattles III, PE	
Owner's address, phone, email	922 West Pont Des Mouton Rd,. Lafayette, LA 70507 / 337-264-3798 / tgattle@huvalassoc.com				
Services commenced by this firm (mm/yy)	11/19	Total consultant contract cost ($1,000's)	N/A		
Services completed by this firm (mm/yy)	06/22	Cost of consultant services provided by this firm ($1,000's)	$150		

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

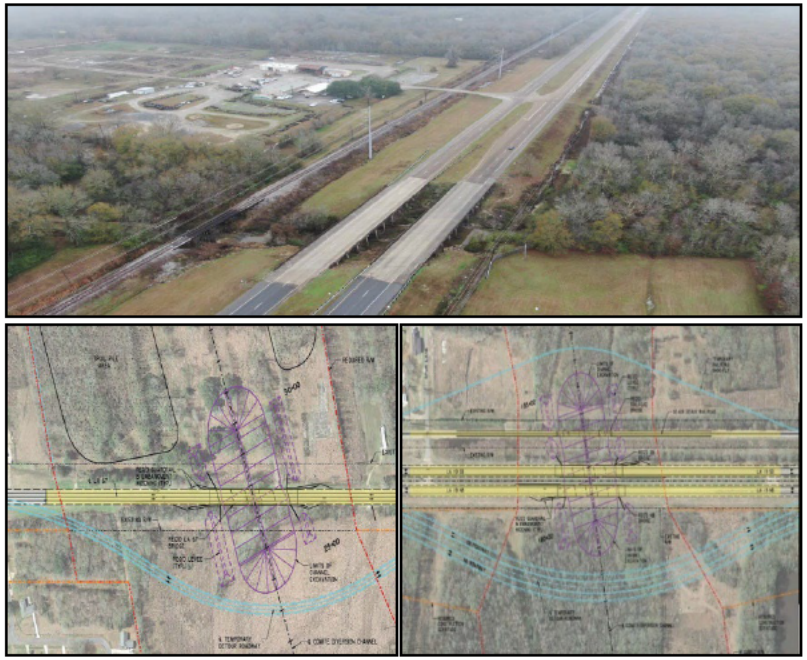
Geotechnical investigation to provide the client with necessary information for planning and building of LA-19 bridge (slope- stability/embankment), LA-19 RR bridge (embankment/MSE wall settlement/retaining wall), LA-19 twin bridges (PPC piles), LA-67 bridge (drill shafts). APS drilled and sampled a total of 19 borings ranging from 50ft - 100ft in depth. Testing of soils was performed in-house by APS laboratory. The testing schedule included visual classification, standard methods for determining water (moisture) content, liquid limit, plastic limit and plasticity, unconsolidated-undrained triaxial compressions, and one-dimensional consolidations.

As the project moved into the construction phase, APS provided geotechnical and structural construction services including PDA instrumentation, testing, and CAPWAP analysis.

SIMILARITIES TO PROFESSIONAL GEOTECHNICAL SERVICES

X	Geotechnical Explorations (GE)
X	Geotechnical Design (GD)
X	Geotechnical Construction (GC)
X	CMAR
X	Constructability
X	Contract Management (CM)

APS MEMBERS
Sergio Aviles, PE
Sai Eddanapudi, ME, PE
Surendra Raj Pathak, MS, PE



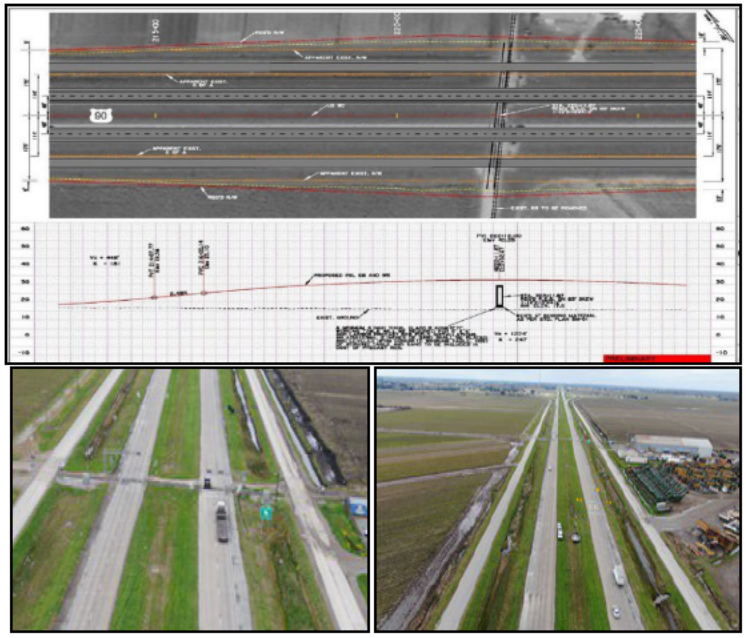
Firm Name	APS Engineering and Testing, LLC	Discipline(s)*	Geotech
Project name	14. US-90 Railroad Overpass (S. East of LA-85)	Firm responsibility (prime or sub?)	Sub
Project number	H.010155	Owner's name	LADOTD
Project location	Iberia Parish, LA	Owner's Project Manager	Nicci D. Gill
Owner's address, phone, email	13016 Justice Ave., Baton Rouge, LA 70816/ 225-296-1335/ ngill@skanger.com		
Services commenced by this firm (mm/yy)	11/19	Total consultant contract cost ($1,000's)	N/A
Services completed by this firm (mm/yy)	12/23	Cost of consultant services provided by this firm ($1,000's)	$105

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

Geotechnical investigation to provide the client with necessary information for planning and design of a 12ft. X 12ft. RCB, 412ft. in length. APS drilled a total of twelve (12) borings to a depth of 120ft. each. Undisturbed samples were continuously obtained from the ground surface to a depth of twenty (20) feet and at five (5) feet centers thereafter. A laboratory testing program was conducted to determine pertinent engineering characteristics of the subsurface material. This program included visual description and classification, determination of moisture content, liquid limit, plastic limit and plasticity, unconsolidated-undrained triaxial compression, and one-dimensional consolidation. Geotechnical analysis also included MSE was embankment settlement, stability analysis, pile capacity analysis, design, and general construction recommendations.

SIMILARITIES TO PROFESSIONAL GEOTECHNICAL SERVICES

X	Geotechnical Explorations (GE)
X	Geotechnical Design (GD)
X	Geotechnical Construction (GC)
X	Constructability
X	Contract Management (CM)



APS MEMBERS
Sergio Aviles, PE
Sai Eddanapudi, ME, PE
Surendra Raj Pathak, MS, PE

Firm Name	**Urban Systems, Inc**		Discipline(s)*	**Traffic**	
Project name	**15. LA 1: Port Allen Canal Bridge Replacement**		Firm responsibility (prime or sub?)	**Sub**	
Project number	**H.001234.6, H.014258.5, and H.014248.5, H.014258.6**	Owner's name	**LADOTD**		
Project location	**West Baton Rouge Parish, LA**		Owner's Project Manager	**Robert Isemann**	
Owner's address, phone, email	**1201 Capital Access Rd., Baton Rouge, LA 70802-4438 / 225-296-1398/ Robert.Isemann@la.gov**				
Services commenced by this firm (mm/yy)	**06/24**	Total consultant contract cost ($1,000's)	**N/A**		
Services completed by this firm (mm/yy)	**Ongoing**	Cost of consultant services provided by this firm ($1,000's)	**$10**		

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

Urban Systems prepared a technical memorandum summarizing a safety review for a design exception related to the construction of a new LA 1 northbound bridge over the Intracoastal Waterway. The review focused on the potential safety impacts of increasing the downgrade slope to 6.54%, a change from the existing 5.11% grade, with particular attention to its effect on heavy vehicles.

Existing Safety Conditions

Using crash data from the Louisiana State University CARTS tool for the 2021–2023 period, the safety review evaluated crashes along the study roadway. Key findings included:

- 15 crashes, with no serious injuries or fatalities.
- Predominantly rear-end collisions, with no crashes attributed to skidding, sliding, or friction issues.
- Minimal involvement of heavy vehicles and no roadway departure incidents reported.

Proposed Safety Conditions

The proposed design includes the steeper grade, an increased paved right shoulder, rumble strips, and wider edge pavement striping. Urban Systems conducted a safety analysis to assess the expected impact of these changes using crash modification factors (CMFs) from the Federal Highway Administration's CMF Clearinghouse. The analysis found:

- A calculated CMF of 1.06 for the increased downgrade, indicating a potential increase of less than one crash every three years.
- Countermeasures such as rumble strips and wider shoulders are expected to maintain or improve safety by mitigating roadway departures, even though no such incidents were recorded in the existing conditions.
- Recommendations to consider High Friction Surface Treatments (HFSTs) as an additional safety enhancement.

Conclusion

The safety review concluded that the proposed design modifications are not expected to introduce significant safety concerns, with a minimal increase in expected crashes. The inclusion of safety countermeasures further supports the overall safety of the proposed design, aligning with best practices for mitigating risks associated with steep downgrades.

URBAN MEMBERS
Nicole Stewart, PE, PTOE
Matthew Morgan, PE, PTOE

Firm Name	Urban Systems, Inc	Discipline(s)*	Traffic
Project name	16. LA 67 (Plank Road) Bridge over US 61 (Airline Highway) Level 3 TMP	Firm responsibility (prime or sub?)	Sub
Project number	H.015424.5	Owner's name	LADOTD
Project location	East Baton Rouge Parish, LA	Owner's Project Manager	Mark Elkassouf
Owner's address, phone, email	1201 Capital Access Rd., Baton Rouge, LA 70802-4438 / 225-379-1200 / mark.elkassouf@la.gov		
Services commenced by this firm (mm/yy)	08/23	Total consultant contract cost ($1,000's)	N/A
Services completed by this firm (mm/yy)	05/24	Cost of consultant services provided by this firm ($1,000's)	$29.6

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

Urban Systems prepared a Level 3 Traffic Management Plan (TMP) to facilitate repairs on LA 67 (Plank Rd) over US 61 (Airline Hwy) in East Baton Rouge Parish. The TMP, designed in alignment with LADOTD EDSM No. V1.1.1.8, addresses potential challenges and strategies to mitigate traffic delays due to lane and roadway closures within the construction zone, as well as on primary detour routes. The scope of the TMP includes several key tasks:

Traffic Data Collection: Using LADOTD-provided 2018 AM and PM volumes, Urban Systems collected additional 7-day, 24-hour traffic counts, including vehicle classifications at critical points: Plank Rd NB at Airline Hwy NB onramp, Airline Hwy WB near Beechwood Dr, and Airline Hwy WB off-ramp west of Plank Rd NB exit. Peak turning movement counts (TMCs) were collected during AM, MIDDAY, and PM peak hours at the Plank Rd and Harding Blvd intersection. Deliverables included traffic volume printouts in 15-minute intervals, peak hour summary tables, and schematic diagrams showing count locations and data.

Existing Levels of Service Determination: Using Highway Capacity Manual (HCM) procedures, Urban Systems assessed existing Levels of Service (LOS) during peak hours at the Plank Rd and Harding Blvd intersection using HCS software. Deliverables included metrics such as Delay, 95% Queuing, and Volume/Capacity (V/C) ratios for each approach.

Safety Analysis: A safety assessment was conducted using three years of crash data to establish a Baseline Safety Performance review for Plank Rd within the project limits. Collision data were analyzed and compared to statewide averages, identifying potential mitigations to enhance construction zone safety.

Alternate Route Analysis: Urban Systems evaluated detour routes based on collected traffic data, using HCS software to assess LOS at signalized intersections along the detour. Mitigations were proposed to address potential capacity and safety issues on detour routes.

Traffic Management Plan Document Preparation: A Draft Level 3 TMP document, including a Public Information Plan, was prepared and submitted to LADOTD in PDF format. The Public Information Plan outlined necessary steps for communicating road closure schedules and durations to the public.

Stakeholder Involvement: Key stakeholders were identified, and Urban Systems collaborated with them to minimize project impact on local businesses and the public. A stakeholder meeting was held at DOTD, during which the TMP and traffic control plans were presented. Minutes from the meeting were recorded and submitted for review.

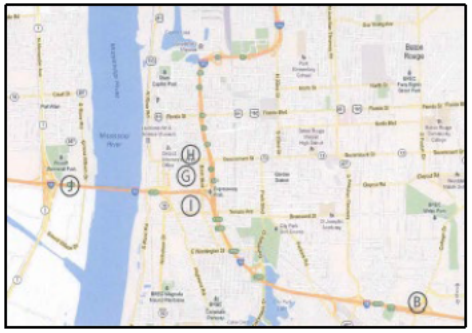
Urban Systems' TMP for LA 67 over US 61 ensures a well-coordinated approach to managing traffic disruptions and enhancing safety for all road users within the project area.

URBAN MEMBERS
Alison Michel, PE, PTOE
Nicole Stewart, PE, PTOE
Christine Darrah, PE
Matthew Morgan, PE, PTOE
Ryan Wade

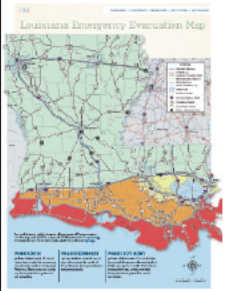
Firm Name	Urban Systems, Inc	Discipline(s)*	Traffic
Project name	17. Retainer Contract for Engineering Services for Bridge Preventative Maintenance Program	Firm responsibility (prime or sub?)	Sub
Project number	4400002184	Owner's name	LADOTD
Project location	Port Allen, West Baton Rouge, LA	Owner's Project Manager	Danny Tullier
Owner's address, phone, email	1201 Capital Access Rd., Baton Rouge, LA 70802-4438 / 225-379-1200 / Danny.Tullier@la.gov		
Services commenced by this firm (mm/yy)	06/12	Total consultant contract cost ($1,000's)	N/A
Services completed by this firm (mm/yy)	03/14	Cost of consultant services provided by this firm ($1,000's)	$122

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

Bridge Preventative Maintenance District 61- SP H.000351: A Level 4 Transportation Management Plan (TMP) was conducted based on LADOTD EDSM VI.1.1.8 for bridge component repairs at five (5) locations on I-10, I-110 and I-12 in Baton Rouge, Louisiana. A TMP was critical for these locations as the interstates serves up to 85,000 vehicles per day and closing lanes and/or ramps would have a significant impact on mobility. This Level 4 TMP included traffic data collection, queue analysis, safety analysis, stakeholders meeting and work zone impacts.



Bridge Preventative Maintenance District 08- SP H.000792: Urban Systems conducted a Level 2 Transportation Management Plan for 16 bridges at various locations all in District 08. A detour analysis was required for, the US 165 onramp to Hwy 167. The signalized intersections along the detour route were evaluated to ensure acceptable traffic operations during construction. Traffic control details were identified for all locations and evacuation strategies were identified for the bridges that were listed as an evacuation route.



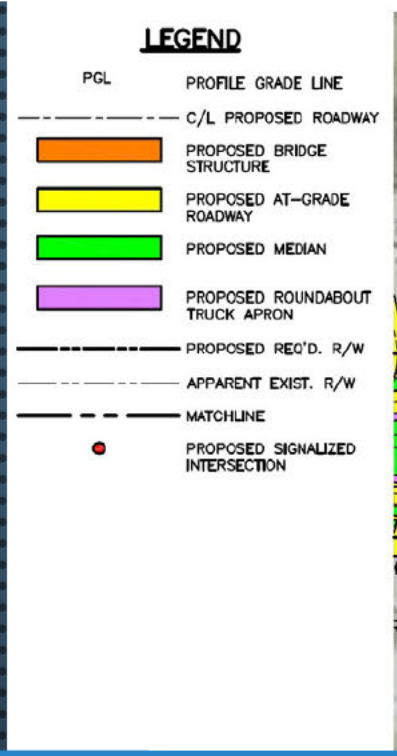
Port Allen Canal Bridge SP H.001234.5: The objective was to conduct a Level 3 Transportation Management Plan (TMP) based on LADOTD EDSM VI.1.1.8 for reconstruction of two (2) bridge structures over the Intracoastal Waterway (ICWW) in Port Allen, Louisiana. A TMP was critical for this location as the LA 1 bridges serves as the major crossing of the ICWW and serves up to 45,000 vehicles per day. An important aspect of this project was how to minimize construction impacts on an already congested roadway section.

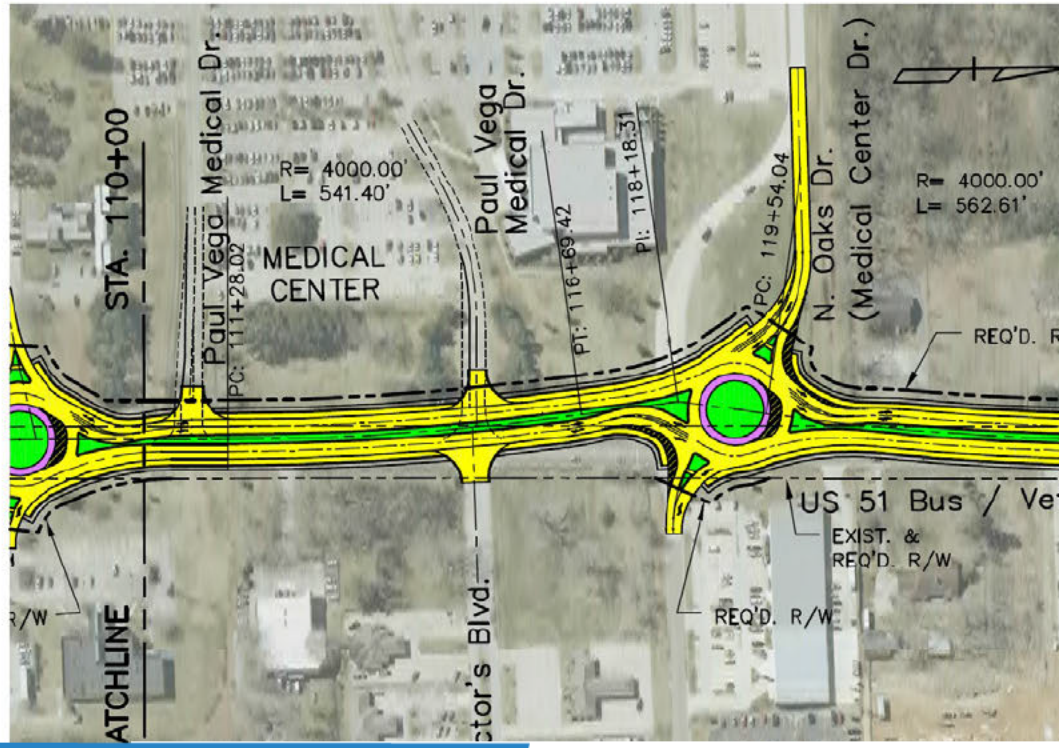
Construction of the new bridge structures require local roadway closures in the project limits that will result in the rerouting of traffic for three (3) scenarios. Traffic was rerouted and the roadway network was assessed with an alternate route analysis to recommend mitigations to minimize congestion and delays during construction

URBAN MEMBERS
Alison Michel, PE, PTOE
Nicole Stewart, PE, PTOE
Christine Darrah, PE
Matthew Morgan, PE, PTOE

SECTION

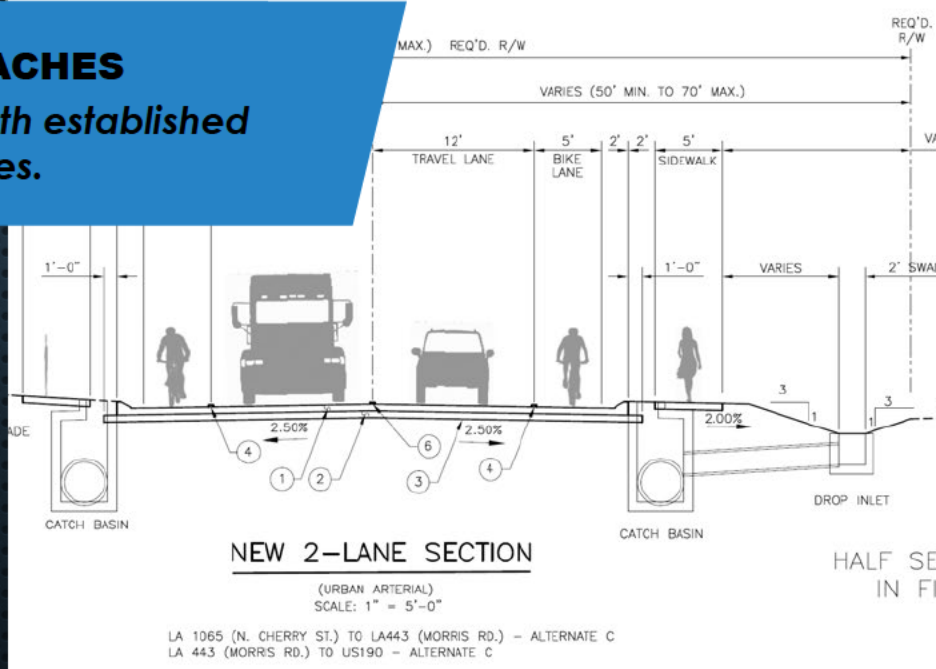
18





WE HAVE PROVEN YET INNOVATIVE APPROACHES

We will successfully complete this project using both established methods and innovative approaches and processes.



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PROGRAM & PROJECT MANAGERS

18. **Approach and Methodology:** Provide a description of how the work will be performed and **provide the proposed project schedule**. Include any additional information or description of unique resources that are planned to be used to produce the deliverables. Include any proprietary technologies, methods or approaches that will be used on this project to improve quality or efficiency. If the proposal is for an IDIQ contract, the consultant should review the scope of services in Attachment A to the advertisement to obtain a general understanding of what a typical task order would entail. Based upon that understanding, the consultant should provide a sample schedule that identifies the major milestones, deliverables, tasks, etc., to demonstrate sufficient understanding of a typical task order. The duration of the task order is not required. This section shall be limited to four pages. If more than four pages are included, all pages after the fourth page will not be evaluated. **If the consultant has information it believes is proprietary, label it accordingly.**

Project Understanding

A. Firm Experience

The N-Y team has decades of LADOTD experience and a solid understanding of the key issues of this project. Under the supervision of Jim Simmons, PE, over the last 30 years, N-Y has completed numerous roadway and bridge projects. Examples of this include the LA 23 Highway Widening in *Plaquemines Parish* (roadway design and environmental), a new LA 1088 interchange at I-12 in *St. Tammany Parish* (roadway/bridge design and environmental) and new US Highway 61 Bridges in *East Baton Rouge Parish* (bridges and bypass roadway).

N-Y has also completed many projects which included preliminary roadway and bridge line and grade design - including six (6) Environmental Assessments (EAs) with Findings of No Significant Impact for the LADOTD (with an additional EA underway but on-hold) and four (4) additional EAs for the New Orleans Regional Planning Commission (RPC). As a major sub-consultant, we also completed an Environmental Impact Statement (EIS) highway project for the LADOTD and as a prime have one EIS highway project in progress for the RPC. As part of this EIS, we are nearly complete with an Interchange Justification Report (IJR). We have also completed nine (9) Stage 0 studies for Louisiana highways.

Most recently, under the Louisiana Rural Bridge Program, we are completing the design of fourteen (14) rural highway bridges in Natchitoches, Rapides, Catahoula and Grant Parishes and have submitted Categorical Exclusions for 34 bridges under nine (9) separate LADOTD project numbers.

The N-Y team researched and visited the project site on March 29, 2025, gaining an understanding of the problems, challenges and opportunities associated with the replacement of the Brian Road Bridge Over Drainage Bayou.

B. Observations

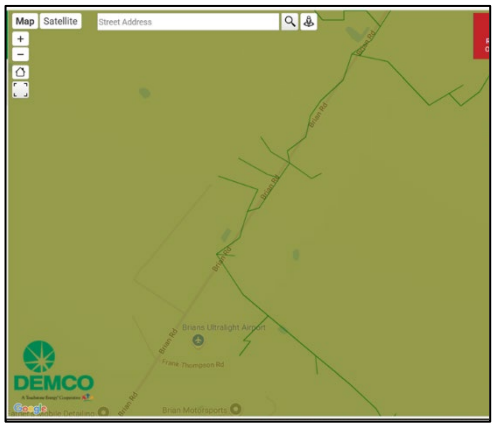
- *The Brian Rd. Bridge has a posted limit of 10 tons for a single unit vehicle and 15 tons for a tandem truck.*

- *It is a two-span bridge with a concrete deck with barrier curbs and an asphalt overlay on timber stringers. It is supported on timber pile bents with timber caps, timber end bents and timber wingwalls:*

- *There is overhead power crossing the drainage bayou on the north side (DEMCO). AT&T/Bellsouth crosses underground on the south side. On the northside there appears to be an exposed utility crossing:*

- *Entergy Service limits from LA 964 do not reach the bridge:*

- *DEMCO service limits when viewed on satellite, extend on both sides of the bridge:*



Approach and Methodology

The N-Y Team fully understands the project as described in the Scope of Work, as well as the specific tasks listed, and has the ability to complete the project successfully. N-Y will be supported by our sub-consultants: *SJB Group, APS Engineering and Testing, ELOS Environmental, and Urban Systems, Inc.*

Throughout the course of a project, it is not uncommon for unforeseen circumstances or evolving requirements to arise, necessitating the need for additional services beyond the initially scoped work. Our Team understands the importance of adaptability and is prepared for such situations.

N-Y and its team will adhere to the *LADOTD Road Design Manual* and have a strong understanding of the LADOTD Plan Delivery process and key schedule milestones.

A. Project Management Plan

Our Project Management Plan (PMP) will include a detailed project scope; a detailed schedule, including the number of milestone submittals, plan review meetings, and periodic project coordination meetings; the project design criteria; a quality control plan; identification of any special coordination or utility needs; a communications plan and a roadway design report.

The PMP allows the Team to collect all of the project information for review, provides for project tracking, and ensures all tasks are completed on schedule through the life of the project.

All firms on our Team are experienced working with LADOTD, beginning with preparing for and holding a Kickoff meeting for project initiation, project tracking and management (which is done in-house on a daily basis and coordinated with LADOTD on a monthly basis via a Contract Tracking spreadsheet submitted with invoices) and periodic coordination meetings with the LADOTD.

B. Kickoff Meeting

After receiving an NTP for the project, we will coordinate a kickoff meeting with the LADOTD PM and any additional LADOTD technical staff. Prior to this meeting we will review the project items to be provided by LADOTD (geotechnical series including pH and resistivity reports, channel probing, and as-built plans, if available). The meeting will also be used as an opportunity to collect any additional available existing information pertinent to the project from LADOTD and the Parish, such as traffic studies, traffic data, and the status of any environmental documents.

C. Data Collection / Field Visits

N-Y will perform additional field reconnaissance to review the site conditions and identify any constraints that may impact design or construction. This assists us with determining the constructability of viable bridge replacements as Bridge, RCB or CDP. Other issues that may need to be addressed include drainage features, utilities, and driveway access. **SJB Group** will identify the proposed survey limits for LADOTD approval to satisfy the additional *2019 Federal Aid Off-System Highway Bridge Program Guidelines*.

D. Topographic Surveys and Geotechnical Borings

SJB Group will perform topographic surveys, property surveys, Base R/W Maps, Title Take-Off and other field information necessary for the design. SJB will ensure that the topographic surveys shall adhere to modern survey theory, practice, and procedures, and follow the latest version of the LADOTD Location and Survey Manual including typical surveying methods as applied by LADOTD. This includes all accepted horizontal and vertical control standards as stated in the manual. The LADOTD feature table code list and symbols shall be utilized and met with those included in the latest edition of the survey feature code guidebook produced by the LADOTD Location and Survey Section and Automation. 3D Terrestrial Scanning may be utilized in conjunction with traditional means and methods to capture topography as applicable for each site and will adhere to all LADOTD Standards as related to Terrestrial and Mobile Scanning. Survey limits, minimum cross-sections and horizontal and vertical control shall satisfy the 2019 Federal Aid Off-System Highway Bridge Program Guidelines. All deliverables will adhere to the Electronic standard as set forth by LADOTD.

APS will provide any required geotechnical engineering services.

SJB and APS will follow the LADOTD processes. Required roadway, bridge, drainage structures, guardrails, & traffic information will be submitted to the area engineer, design engineer, district traffic operations engineer, and district laboratory engineer for review.

E. Preliminary Plan Development for Roadway and Bridge Design

N-Y is well–versed in completing preliminary plans - beginning with assembling and studying existing data, then completing the plan designs and cost estimates. N-Y will take the lead in roadway, bridge and drainage design. **Urban Systems** will take the lead as required in construction detours and signage.

N-Y has extensive experience using *LADOTD's Road Design Manual* for plan development and project delivery. Designs will be in accordance with LADOTD design criteria, including the *Road Design Manual, Minimum Design Guidelines, the LADOTD Hydraulics Manual, the LADOTD Bridge Design and Evaluation Manual*, and *LADOTD Pavement PRR Minimum Design Guidelines*.

If design exceptions are required, our Team has extensive experience coordinating with the LADOTD to obtain approvals.

Preliminary submittals will include 50%, Pre Plan-in-Hand, Plan-in-Hand, and Post Plan-in-Hand.

We are very familiar with LADOTD's required software, including CADConform and submitting electronically through ProjectWise.

F. Solicitation of Views, Categorical Exculsion, Wetland Studies, and Environmental Clearnce

N-Y will prepare and submit the Solicitation of Views (SOV) for the project following LADOTD approval of the replacement structure from the 50% complete plans and hydraulic report. **ELOS** will begin the wetland studies for the project at this same point in time. After receipt of SOV responses under the allotted response period, and completion of the wetland studies including a Preliminary Jurisdictional Determination (PJD), N-Y will prepare a Categorical Exclusion document (including the Environmental Checklist) and submit it to the DOTD Program Manager. Under the Louisiana Rural Bridge Program, we are currently completing the design of fourteen (14) rural highway bridges and have submitted Categorical Exclusions for 34 bridges in four (4) Parishes under nine (9) separate LADOTD project numbers.

G. Right-of-Way Agreements

SJB and **N-Y** will jointly prepare and submit any necessary right-of-way agreements to facilitate right-of-way acquisition.

Additional Services:

H. Final Plan Development

Upon receipt of an NTP, we will move into Final Plan development. Final Plan submittals will include Pre-Advanced Check Prints, Advanced Check Prints, Revised Post Advanced Check Prints, and sealed Tracings. The Sealed Final Plans will complete our construction plans, and design exceptions if any.

I. Construction Services

Our team is prepared to fill any LADOTD needs during the construction phase. N-Y can provide shop drawing reviews, and plan revisions to address unforeseen conditions. Construction Support also includes reviewing Requests for Information (RFIs) from the Contractor and promptly responding.

J. Quality Control (QC)

QC is a continuous process throughout plan development. A QA/QC Plan will be prepared by our Team for this project. Our QA activities will be monitored by Michael Nicoladis, President of N-Y Associates. Mr. Nicoladis will verify the completeness of the QA/QC Plan and monitor and assure plan compliance. QC, constructability and design reviews will be done by qualified license professionals prior to all submittals.

K. Schedule

We have developed the schedule below with all LADOTD prescribed submittal milestones and submittal review meetings.

L. Conclusion

The N-Y team will be immediately available to commence work upon receipt of an NTP. N-Y and our sub-consultants have sufficient staff and resources to meet the needs of LADOTD regardless of our other on-going work.

The N-Y Team offers a proven combination of specialized local experience, technical competence, capacity, and record of past performance that will provide the LADOTD with the best possible value for this project.

Project Schedule

Off-System Highway Bridge Replacement: Brain Rd Over Drainage Bayou
Contract No. 4400030643; State Project No. H.015976.5

TASKS	MONTHS											
	1	2	3	4	5	6	7	8	9	10	11	12
PROJECT SCHEDULE												
Assemble and study existing data: As-Built Plans/ Boring Information/ Traffic Data												
Site Visit / Field Reconnaissance												
NTP for Stage 3, Part I												
Perform Topographic Survey												
Traffic Counts (if needed)												
Prepare location plan for borings (if needed)												
PREPARATION OF PRELIMINARY PLANS (Includes submittal of Hydraulic Report, 50% Plans, Pre Plan-in-Hand (PIH) Set, PIH Set, Post PIH Set, R/W requirements (if needed) and Reviews)												
Pre-Design Conference & NTP for Stage 3, Part III												
Perform sampling and/or testing and reporting of borings												
Prepare Hydraulic Report												
Submit Hydraulic Report & 50% Preliminary Plans for review												
Pre Plan-in-Hand submittal												
Submit Design Report, Design Exceptions, Design Waivers & Storm Water Pollution Prevention Plan form												
Plan-in-Hand submittal with Constructability/Biddability form, addressing review comments.												
PIH												
Post Plan-in-Hand submittal												
PREPARATION OF FINAL PLANS (Includes submittal of Pre-Advance Check Prints, Advance Check Prints, Revised Post Advance Check Prints, and Tracings)												
Submit Pre-Advance Check Prints, Advance Check Prints, Revised Post Advance Check Prints, and Tracings												
Complete Preliminary QC Checklist & QA/QC												
Prepare and Submit Opinion of Probable Cost												
Submit Advance Check Prints												
Submit Revised Post Advance Check Prints												
Submit Tracings (Stamped, Signed & Dated with Calcs., & As-designed Load Rating Report)												

SECTION

19

WE HAVE THE CAPACITY AND MANPOWER FOR THE JOB

Our team is capable, proven and ready to complete this project in a timely and efficient manner.

NY ASSOCIATES, INC.
ENGINEERS • ARCHITECTS • PLANNERS
PROGRAM & PROJECT MANAGERS

19. **Workload:** For all contracts where a firm on the team is a prime consultant or sub-consultant and where a) the consultant selection was made by DOTD, and b) a contract was executed by the consultant and the contracting entity by the date the advertisement for this proposal was posted, list all work meeting the following criteria: 1) one of the team's firms is responsible for the performance of the work; 2) authorization to perform the work has been provided, as provided in the contract between the consultant and the contracting entity; 3) the work has not yet been performed and invoiced; and 4) the work is not currently suspended for an indefinite period of time.
For indefinite delivery/indefinite quantity (IDIQ) contracts, list open Task Orders individually. List only the portion of the fees attributable to firms on the team.

Firm(s) **ALL FIRMS** MUST BE REPRESENTED IN THIS TABLE	Discipline(s) *	Contract Number and State project number	Project name	Remaining unpaid balance**
N-Y Associates, Inc.	Bridge	4400019337/H.014243	Rural Bridge Replacement Initiative - Phase II - LA 472, Grant Parish	$529
	Bridge	4400019337/H.014245	Rural Bridge Replacement Initiative - Phase II - LA 119, Natchitoches Parish	$33,362
	Bridge	4400019337/H.014246	Rural Bridge Replacement Initiative - Phase II - LA 1199, Rapides Parish	$812
	Environmental	4400019337/H.014247	Rural Bridge Replacement Initiative - Phase II - LA 399, Vernon Parish	$190
	Bridge	4400019337/H.014248	Rural Bridge Replacement Initiative - Phase II - LA 124, Catahoula Parish	$1,135
	Bridge	4400019337/H.014250	Rural Bridge Replacement Initiative - Phase II - LA 577, Franklin Parish	$420
SJB Group, L.L.C.	Survey	4400017597/ H.017597	IDIQ Surveying Services Rural Bridge Replacement Initiative	$680
	Survey	N/A / H.013716.5	US 167 Johnston St. – Mt. Vernon - Churchill	$39,723
	Survey	4400017711 / H.005121.5	LA 1 – LA 415	N/A
	Right-of-Way	4400028371 / H.004100.5	I-10 LA 415 Directive 2	$250,000
	Right-of-Way	4400028371 / H.004100.5	I-10 LA 415 to Essen – Directive 3	N/A
	Other (DBE)	4400026952	LA DBE Supportive Services	$449,862
	CPM	4400017485	IDIQ Contract for Critical Path Method (CPM) Analysis	N/A
ELOS Environmental, LLC	Environmental	440019337 / H.014242	LA-124 Big Branch, Sandy, Godfrey, Beech Bridges	N/A
	Environmental	440019337 / H.014243	LA-472 Indian and Big Bear Creek	$18
	Environmental	440019337 / H.014245	LA-119 Bayou Pierre and Creek Bridges	$15
	Environmental	440019337 / H.014246	LA-1199 Creeks & Spring Creek	$18
	Environmental	440019337 / H.014247	LA-399 Creeks, Little 6 Mile Creek, Flat Branch	$26
	Environmental	440019337 / H.014247.5	LA-399 Bridges – Supplemental Task Order	N/A
	Environmental	440019337 / H.014248	LA-124 Creeks, Broke Leg Bayou, Boggy Bayou	$14
	Environmental	440019337 / H.014248.5	LA-124 On site Detours - Supplemental Task Order	$10
	Environmental	440019337 / H.014249	LA-126 Creek	$849
	Environmental	440019337 / H.014242.5	LA-124 Bridges/Detours – Supplemental Task Order	$21,472
	Environmental	440019337 / H.014250	LA-577 Bull Bayou and Creek Bridges	$37
	Environmental	440019337 / H.014268	LA-4 Creeks, Bear, Squirrel, Sugar, Bill's and Lost Creek Relief	$30
	Environmental	440019337 / H.014268.5	LA-4 Creeks, Bear, Squirrel, Sugar, Bill's and Lost Creek Relief – Additional Tasks	$8
	Environmental	440019337 / H.014245.5	LA-119 Bayou Pierre and Creek Bridges – Additional Tasks	N/A
	Environmental	440027734 / H.014362	Lake Road in St. Tammany Parish	$22,877
	Environmental	440024593 / H.015009	OSBR West Metairie Ave Bridge, South Suburban Canal	N/A
	Environmental	440025041 / H.015429	Carroll Ave, Middle Colyell Creek - IIJA Off-System Bridges District 62	$25
	Environmental	440025041 / H.015430	Hood Rd, Middle Colyell Creek - IIJA Off-System Bridges District 62	$15

	Environmental	440025041 / H.015431	Sawmill Rd, Unnamed Creek - IIJA Off-System Bridges District 62	$17
	Environmental	440025041 / H.015432	M. Williams Rd, Spring Creek - IIJA Off-System Bridges District 62	$17
	Environmental	440025041 / H.015433	George Jenkins Rd, Berrys Creek - IIJA Off-System Bridges District 62	$28
	Environmental	440025041 / H.015434	Mitch Rd, Peters Creek - IIJA Off-System Bridges District 62	$8
	Environmental	440021326 / H010074.1	DOTD Stage 0 IDIQ-LA 3089 Serve Rd/LA 70 Up	$2,760
APS Engineering and Testing, LLC	CE&I/OV	4400024653/H.01254.6	Wiggins Bayou Bridge	$52,609
	Geotech	4400019337/H.014247	LA 399 Bridges Near Fullerton	$24,307
	Geotech	440019337/H.014245	LA 119; Bayou Pierre & Creek Bridges	$23,654
	Geotech	4400024653/H.014982.5	Marathon Rd over Dry Creek	$46,490
	Geotech	4400019011/H.012068.5	LA 1026 Creek Bridge	$23,519
	Geotech	4400024653/H.014978.5	Bellard Loop over Untamed Drainage Ditch	$41,723
	Geotech	4400024653/H.016323.5	LA 37 Glass Branch Bridge	$22,005
	Geotech	4400024653/H.016326.5	LA 36 Drain Bridge Pearl	$22,615
	Geotech	4400024653/H.016322.5	LA 81: W-11 Lateral & Bayou Black Bridges	$39,335
	Geotech	4400024653/H.016312.5	LA 3116 Creek Bridges	$59,216
	Geotech	4400024653/H. 016321.5	LA 970 Creek Bridge	$21,058
	Geotech	4400024653/H.016311.5	LA 1123 Box Culvert Creek Bridge	$59,399
	Geotech	4400024653/H.016324.5	LA 1047: Drain Bridge	$22,608
Urban Systems, Inc	Traffic	H011221.5 / H.011222.5 / H.004891	I-10: N.O CBD3 (Poydras-Louisa) & I-10: N.O CBD4 (Louisa-I-510)	$40,965
	Traffic	4400023909 / H.015963.5	US 165:RedRiver MB Ped Gates	$5,000

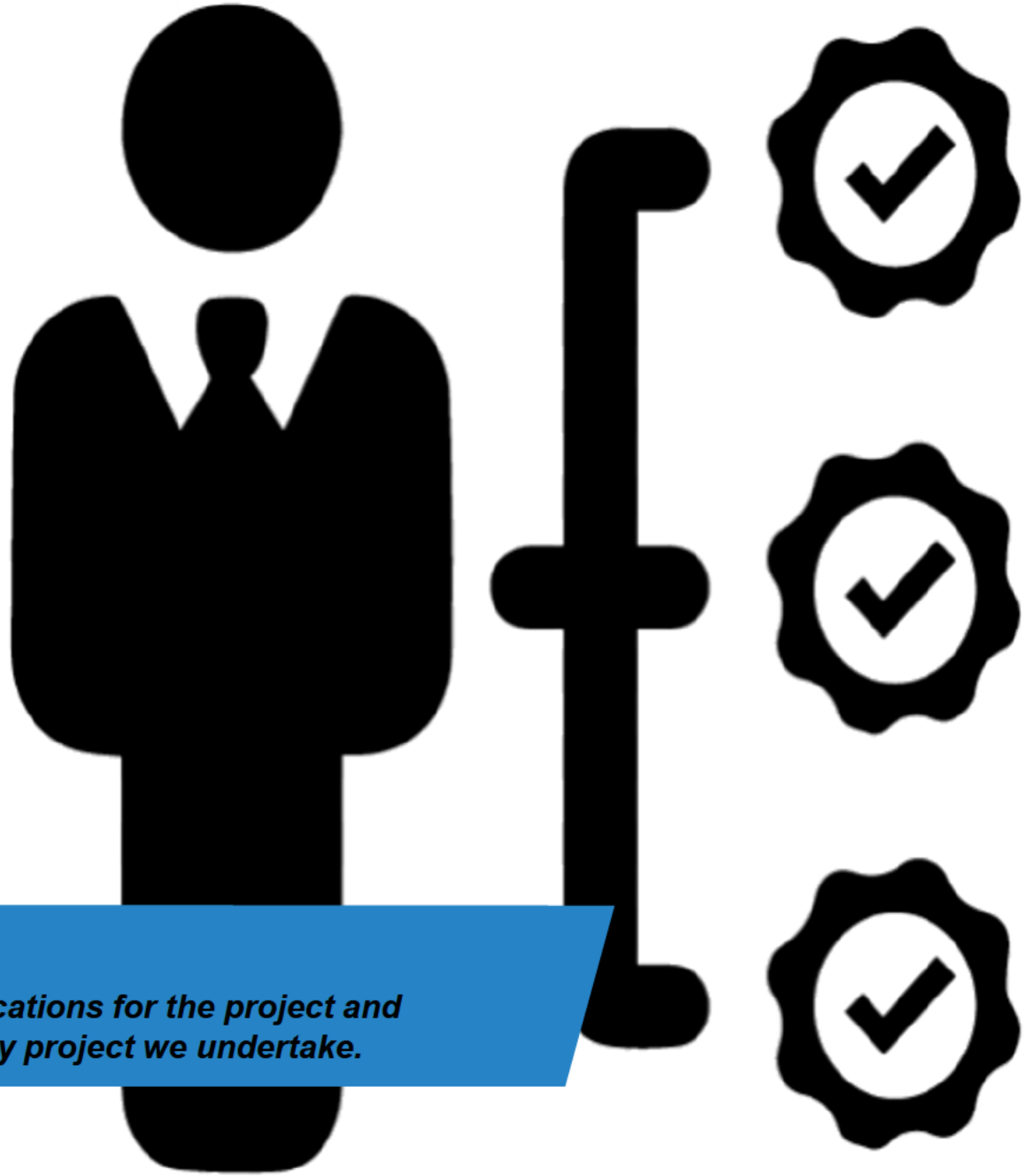
DO NOT SUM

* The only past performance evaluation disciplines are: Appraiser, Bridge, CE&I/OV, CPM, Data Collection, Environmental, Geotech, ITS, Other (must specify), Planning, Right-of-Way, Road, Survey, and Traffic. If a firm has more than one 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, please place N/A in the remaining unpaid balance column. NOTE: ALL FIRMS MUST BE REPRESENTED IN THIS TABLE. LEAVING THE "REMAINING UNPAID BALANCE" COLUMN BLANK IS NOT ACCEPTABLE.

SECTIONS

20-23



QUALIFICATIONS AND QUALITY

Our team exceeds the required qualifications for the project and strives for outstanding quality on every project we undertake.

NY ASSOCIATES, INC.
ENGINEERS • ARCHITECTS • PLANNERS
PROGRAM & PROJECT MANAGERS

20. **Certifications/Licenses:** If the advertisement requires submission of licenses and/or certificated, include them here. **Otherwise, leave this section blank.**

Work Zone Training

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

James E Simmons
has attended
Louisiana Traffic Control Technician
Training Course

9/5/2023 to 9/5/2027
Training Valid Through

Vice President of Education and Technical Services

Baton Rouge, LA
Location

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

James E Simmons
has attended
Louisiana Traffic Control Supervisor
Training Course

9/6/2023 to 9/6/2027
Training Valid Through

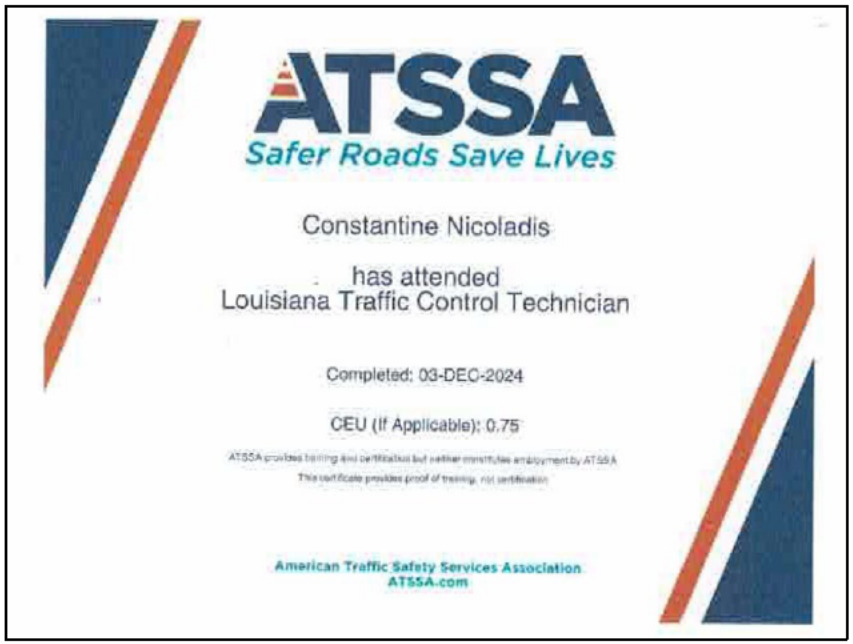
Vice President of Education and Technical Services

Baton Rouge, LA
Location

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com



ATSSA
Safer Roads Save Lives

Constantine Nicoladis

has attended
Louisiana Traffic Control Technician

Completed: 03-DEC-2024

CEU (If Applicable): 0.75

ATSSA provides training and certification but neither constitutes employment by ATSSA
This certificate provides proof of training, not certification

American Traffic Safety Services Association
ATSSA.com

ATSSA
Safer Roads Save Lives

Constantine Nicoladis

has attended
Louisiana Traffic Control Supervisor

Completed: 05-DEC-2024

CEU (If Applicable): 1.5

ATSSA provides training and certification but neither constitutes employment by ATSSA.
This certificate provides proof of training, not certification.

American Traffic Safety Services Association
ATSSA.com

Work Zone Training

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Fred Mortali
has attended
Louisiana Traffic Control Supervisor Refresher
Training Course

8/18/2023 to 8/18/2027
Training Valid Through

New Orleans, LA
Location

Vice President of Education and Technical Services

President, CEO

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

American Traffic Safety Services Association ATSSA.com

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Matthew Estopinal
has attended
Traffic Control Technician-LA State Specific
Training Course

6/21/2022 to 6/21/2026
Training Valid Through

Baton Rouge, LA
Location

Director of Training

President, CEO

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

American Traffic Safety Services Association ATSSA.com

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Matthew Estopinal
has attended
Traffic Control Supervisor-LA State Specific
Training Course

6/22/2022 to 6/22/2026
Training Valid Through

Baton Rouge, LA
Location

Director of Training

President, CEO

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

American Traffic Safety Services Association ATSSA.com

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Tim Brewer
has attended
Traffic Control Technician-LA State Specific
Training Course

11/29/2022 to 11/29/2026
Training Valid Through

Baton Rouge, LA
Location

Director of Training

President, CEO

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

American Traffic Safety Services Association ATSSA.com

Work Zone Training

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Tim Brewer
has attended
Traffic Control Supervisor-LA State Specific
Training Course

11/30/2022 to 11/30/2026
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

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

American Traffic Safety Services Association ATSSA.com

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Colby Mire
has attended
Traffic Control Technician-LA State Specific
Training Course

5/11/2021 to 5/11/2025
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

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

American Traffic Safety Services Association ATSSA.com

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Colby Mire
has attended
Traffic Control Supervisor-LA State Specific
Training Course

5/12/2021 to 5/13/2025
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

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

American Traffic Safety Services Association ATSSA.com

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Phillip Dowden
has attended
Traffic Control Technician-LA State Specific
Training Course

11/29/2022 to 11/29/2026
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

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

American Traffic Safety Services Association ATSSA.com

Work Zone Training

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Duke Koontz
has attended
Traffic Control Technician-LA State Specific
Training Course

11/29/2022 to 11/29/2026
Training Valid Through

Baton Rouge, LA
Location

Director of Training
President, CEO

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

American Traffic Safety Services Association ATSSA.com

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Charles Young
has attended
Traffic Control Technician-LA State Specific
Training Course

11/29/2022 to 11/29/2026
Training Valid Through

Baton Rouge, LA
Location

Director of Training
President, CEO

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

American Traffic Safety Services Association ATSSA.com

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Basile Dardar
has attended
Traffic Control Technician-LA State Specific
Training Course

11/29/2022 to 11/29/2026
Training Valid Through

Baton Rouge, LA
Location

Director of Training
President, CEO

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

American Traffic Safety Services Association ATSSA.com

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Sergio Aviles
has attended
Traffic Control Technician Virtual Training
Training Course

1/24/2023 to 1/24/2027
Training Valid Through

CEU: 0.75

Location

Director of Training
President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.
This certificate provides proof of training, not certification.

American Traffic Safety Services Association ATSSA.com

Work Zone Training

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Surendra Pathak
has attended
Traffic Control Supervisor Virtual Training
Training Course

12/28/2022 to
12/28/2026
Training Valid Through

CEU: 1.50

Director of Training

President, CEO

Location

ATSSA provides training and certification but neither constitutes employment by ATSSA.
This certificate provides proof of training, not certification.

American Traffic Safety Services Association ATSSA.com

ATSSA
Safer Roads Save Lives

Nicole Stewart

has attended
Louisiana Traffic Control Supervisor

Completed: 26-FEB-2025

CEU (If Applicable): 1.5

ATSSA provides training and certification but neither constitutes employment by ATSSA.
This certificate provides proof of training, not certification.

American Traffic Safety Services Association
ATSSA.com

ATSSA
Safer Roads Save Lives

AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION

This is to affirm that
Christine Darrah
has satisfied the requirements
to be designated as a
Traffic Control Supervisor

Cert. #: 873755
Issue Date: 2/11/2025
Expiration Date: 2/10/2029

Certification Board

Certified Flagger Training


ATSSA
SAFER ROADS SAVE LIVES
American Traffic Safety Services Association
This is to affirm that
Matthew Estopinal
has satisfied the requirements to be designated as a
CERTIFIED FLAGGER
Issue Date 4/25/2022
Exp. Date 4/24/2026
State Issued LA
A1000058046
ATSSA
Instructor Name
Instructor Signature
Verify at Flagger.com


ATSSA
SAFER ROADS SAVE LIVES
American Traffic Safety Services Association
This is to affirm that
Charles Brewer
has satisfied the requirements to be designated as a
CERTIFIED FLAGGER
Issue Date 11/18/2022
Exp. Date 11/17/2026
State Issued LA
A1000112965
ATSSA
Instructor Name
Instructor Signature
Verify at Flagger.com


ATSSA
SAFER ROADS SAVE LIVES
American Traffic Safety Services Association
This is to affirm that
Colby Mire
has satisfied the requirements to be designated as a
CERTIFIED FLAGGER
Issue Date 3/23/2022
Exp. Date 3/22/2026
State Issued LA
A1000054474
ATSSA
Instructor Name
Instructor Signature
Verify at Flagger.com


ATSSA
SAFER ROADS SAVE LIVES
American Traffic Safety Services Association
This is to affirm that
Phillip Dowden
has satisfied the requirements to be designated as a
CERTIFIED FLAGGER
Issue Date 11/21/2022
Exp. Date 11/20/2026
State Issued LA
A1000113019
ATSSA
Instructor Name
Instructor Signature
Verify at Flagger.com

Certified Flagger Training


ATSSA
SAFER ROADS SAVE LIVES
American Traffic Safety Services Association

This is to affirm that

John Burleigh

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 3/1/2022
Exp. Date 2/28/2026
State Issued LA

ATSSA
Instructor Name
Instructor Signature

A1000053383 Verify at Flagger.com


ATSSA
Safer Roads Save Lives

Temporary Certification

Erick Kidder

for the successful completion of

Flagger

27-OCT-2023
Expiration Date:
26-OCT-2027

ATSSA CERTIFIED

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

American Traffic Safety Services Association
ATSSA.com


ATSSA
SAFER ROADS SAVE LIVES
American Traffic Safety Services Association

This is to affirm that

James Koontz

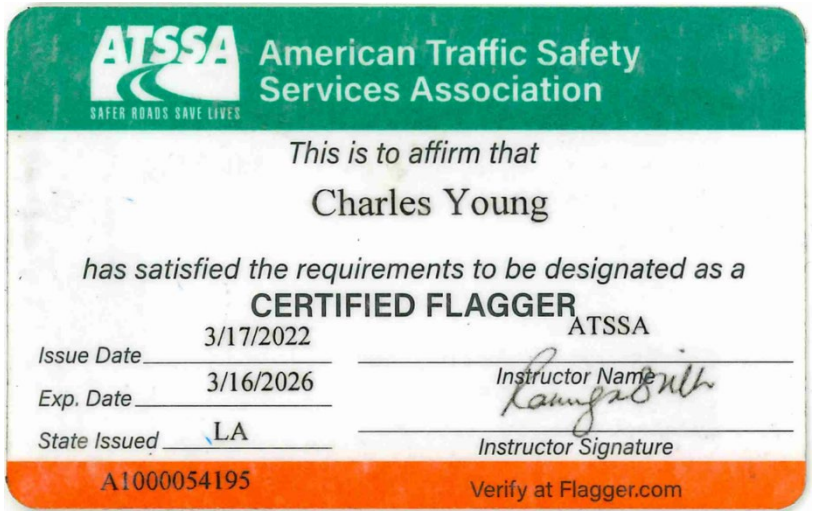
has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 3/17/2022
Exp. Date 3/16/2026
State Issued LA

ATSSA
Instructor Name
Instructor Signature

A1000054194 Verify at Flagger.com


ATSSA
SAFER ROADS SAVE LIVES
American Traffic Safety Services Association

This is to affirm that

Charles Young

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 3/17/2022
Exp. Date 3/16/2026
State Issued LA

ATSSA
Instructor Name
Instructor Signature

A1000054195 Verify at Flagger.com

Certified Flagger Training

Certified Flagger Training

Certificate of Training

this certifies that

Matthew M. Morgan

has successfully completed the training program requirements for

National Flagger Certification Training Course

Awarded on this 23rd day of August 2022

This certificate is valid for 30 days from the date awarded.

Highway Safety Manual Workshop

This certificate of training is presented to

JAMES SIMMONS

In Recognition of Attending

Highway Safety Manual Workshop

Baton Rouge, Louisiana

Elizabeth Wemple, PE
Eric Tang, PE
Instructor

18.0 Professional Development Hours

Nov 30—Dec 2, 2011
Date

Certificate of Attendance

presented to

Fred Mortali

for attending the

Highway Safety Manual Workshop

20 Professional Development Hours

March 8-10, 2016

Baton Rouge, Louisiana

Authorized Instructor

This certificate of training is presented to

ALISON MICHEL

In Recognition of Attending

Highway Safety Manual Workshop

Baton Rouge, Louisiana

Elizabeth Wemple, PE
Eric Tang, PE

18.0 Professional Development Hours

Nov 30—Dec 2, 2011

This certificate of training is presented to

NICOLE STEWART

In Recognition of Attending

Highway Safety Manual Workshop

Baton Rouge, Louisiana

Elizabeth Wemple, PE
Eric Tang, PE
Instructor

18.0 Professional Development Hours

June 1-3, 2011
Date

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Bruce J. Richards

has satisfactorily completed training in

National Environmental Policy Act (NEPA)
And Transportation Decision Making
conducted by

National Highway Institute

Location: Baton Rouge, LA
Date: August 20-22, 2002
Hours of instruction: 18
Continuing Education Units: 1.8

Instructor
Director, National Highway Institute
Federal Highway Administration

Coordinator
Director, Office of Professional Development
Federal Highway Administration

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

James E. Simmons

has participated in

NEPA and Transportation Decision Making

hosted by

LADOTD / LTRC

Location: Baton Rouge, LA
Date: August 31 - September 2, 2004
Hours of instruction: 18

Instructor
Director, National Highway Institute
Federal Highway Administration

Coordinator
Director, Office of Professional Development
Federal Highway Administration

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Lucas Watkins

has participated in

FHWA - NHI Course No. 142005
NEPA and the Transportation Decision-making Process (3 Days)

hosted by

LA DOTD/LTRC

Date: December 8-10, 2015
Location: Baton Rouge, LA
Hours of Instruction: 18

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Alison Michel

has participated in

NHI Course No. 142005 -
NEPA and Transportation Decision Making

hosted by

LA DOTD/LTRC

Date: May 28-30, 2014
Location: Baton Rouge, LA
Hours of Instruction: 18

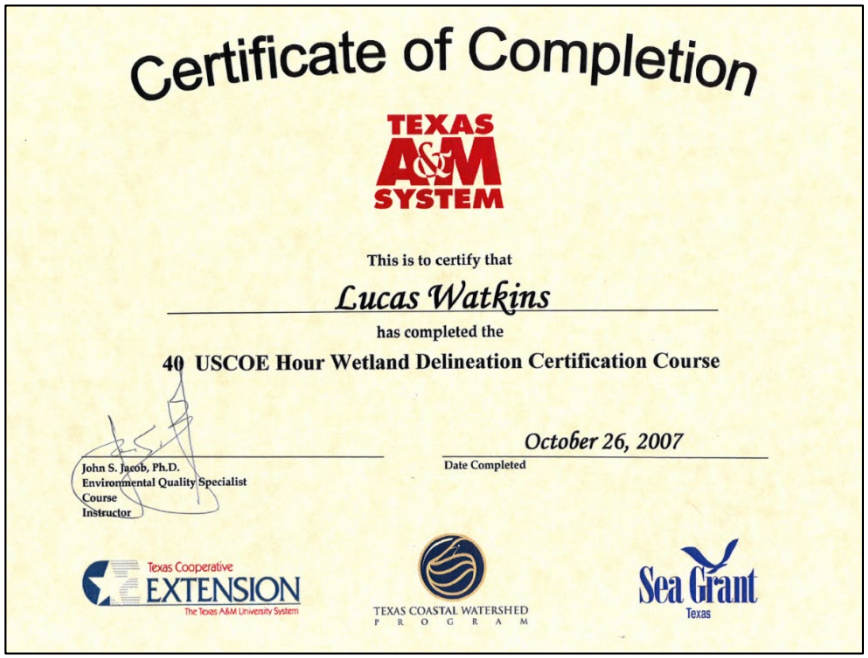
Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

Wetland Delineation Certificates



Certificate of Completion

TEXAS A&M SYSTEM

This is to certify that

Lucas Watkins

has completed the

40 USCOE Hour Wetland Delineation Certification Course

October 26, 2007

Date Completed

John S. Jacob, Ph.D.
Environmental Quality Specialist
Course
Instructor

Texas Cooperative EXTENSION
The Texas A&M University System

TEXAS COASTAL WATERSHED PROGRAM

Sea Grant Texas

Wetland Training Institute

This certifies that

Cory Ricks

has completed training based in part on the U.S. Army Corps of Engineers Wetland Delineation Manual Technical Report Y-87-1 (1987 Manual), as provided for in the training materials developed in conjunction with Section 307(e) of the Water Resources Development Act of 1990 for the Wetland Delineator Certification Program

Given at Covington, Louisiana

On September 11-15 (40 hours) 20 17

Course Coordinator

ASFPM Certified Floodplain Manager Certificate

ASSOCIATION OF STATE FLOODPLAIN MANAGERS, INC.

CERTIFICATION BOARD OF REGENTS

HEREBY CERTIFIES THAT PURSUANT TO THE PROVISIONS OF THE CHARTER FOR THE CERTIFIED FLOODPLAIN MANAGER PROGRAM

Cory Michael Ricks, CFM

IS DULY REGISTERED AS AN

ASFPM CERTIFIED FLOODPLAIN MANAGER

IN TESTIMONY WHEREOF THIS CERTIFICATE HAS BEEN ISSUED BY THE AUTHORITY OF THE CERTIFICATION BOARD OF REGENTS, CERTIFICATE NO. US-11-13091, ISSUED 2/5/2014 THIS CERTIFICATE SHALL EXPIRE 7/31/2018, UNLESS RENEWED ACCORDING TO THE RULES OF THIS BOARD.

CERTIFICATION BOARD OF REGENTS
PRESIDENT, ROGER LINDSEY, P.E., CFM

ASSOCIATION OF STATE FLOODPLAIN MANAGERS
EXECUTIVE DIRECTOR, CHAD M. BERGINNIS, CFM

ASFPM CFM CERTIFIED

Professional Transportation Planner

Transportation Professional Certification Board, Inc.

certifies that

Bruce J. Richards

has met all of the requirements established by the Certification Board
to use the title of

Professional Transportation Planner

unless withdrawn by the Certification Board and subject to the provisions for renewal.
Certificate number 643 issued in Washington, DC, USA

3/18/18

Michael K. Park
Chair

Jeffrey F. Paniati
Executive Director

Transportation Professional Certification Board, Inc.

certifies that

Alison Marie Catarella Michel

has met all of the requirements established by the Certification Board
to use the title of

Professional Transportation Planner

unless withdrawn by the Certification Board and subject to the provisions for renewal.
Certificate number 626 issued in Washington, DC, USA

11/20/17

Michael K. Park
Chair

Jeffrey F. Paniati
Executive Director

Professional Traffic Operations Engineer

The Transportation Professional Certification Board

Certifies that

Ms. Alison Catarella Michel, PE,PTOE,PTP,RSP2I

successfully holds the Professional Traffic Operations Engineer® certification

Original Certification Date: 11/6/2002

Certification Valid Through: 11/6/2026

Steve Kuciemba,
Executive Director and CEO

Joseph C. Balskus, P.E., PTOE, RSP1
TPCB Chair

Certification Number: 1023

The Transportation Professional Certification Board

Certifies that

Mrs. Nicole H. Stewart, P.E., PTOE

successfully renewed the Professional Traffic Operations Engineer® certification

Original Certification Date: 8/14/2012

Certification Valid Through: 8/14/2027

Jeffrey F. Paniati,
Executive Director and CEO

Joseph C. Balskus, P.E., PTOE, RSP1
TPCB Chair

Certification Number: 2923

The Transportation Professional Certification Board

Certifies that

Mr. Matthew Hansen Morgan, P.E., PTOE

successfully holds the Professional Traffic Operations Engineer® certification

Original Certification Date: 3/19/2025

Certification Valid Through: 3/19/2028

Steve Kuciemba,
Executive Director and CEO

Joseph C. Balskus, P.E., PTOE, RSP1
TPCB Chair

Certification Number: 5893

Road Safety Professional

Transportation Professional Certification Board, Inc.

certifies that

Alison Catarella Michel

has met all of the requirements established by the Certification Board to use the title of

Road Safety Professional Infrastructure

unless withdrawn by the Certification Board and subject to the provisions for renewal.
Certificate number 148 issued in Washington, DC, USA

8/20/23

Joseph C. Balskus
Chair

RSP2 ROAD SAFETY PROFESSIONAL

Jeffrey F. Paniati
Executive Director

TPCB

The Transportation Professional Certification Board

Certifies that

Ms. Alison Catarella Michel, PE,PTOE,PTP,RSP2I

successfully renewed the Road Safety Professional Infrastructure® (Level 2) certification

Original Certification Date: 3/20/2023

Certification Valid Through: 3/20/2026

Jeffrey F. Paniati,
Executive Director and CEO

Joseph C. Balskus, P.E., PTOE, RSP1
TPCB Chair

Certification Number: 148

Traffic Engineering Process and Report Course offered by LTRC

Certificate of Completion

presented to

Alison Catarella-Michel

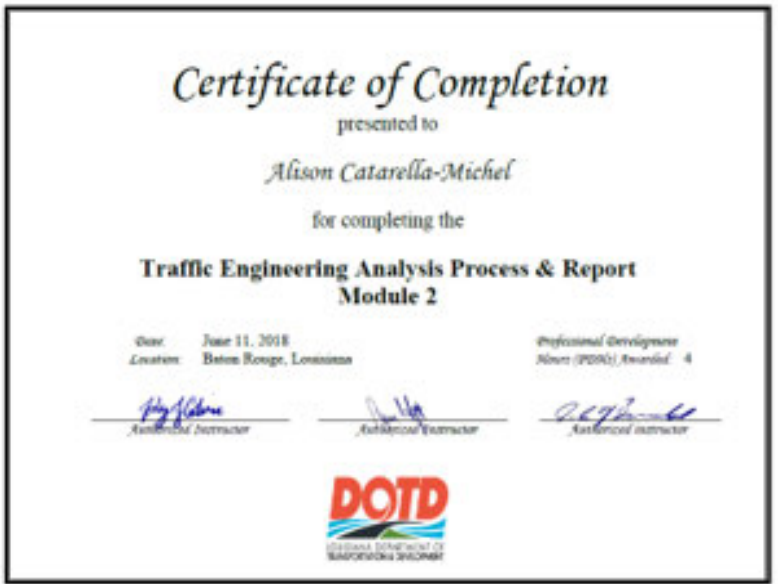
for completing the

Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 4

DOTD



Certificate of Completion

presented to

Alison Catarella-Michel

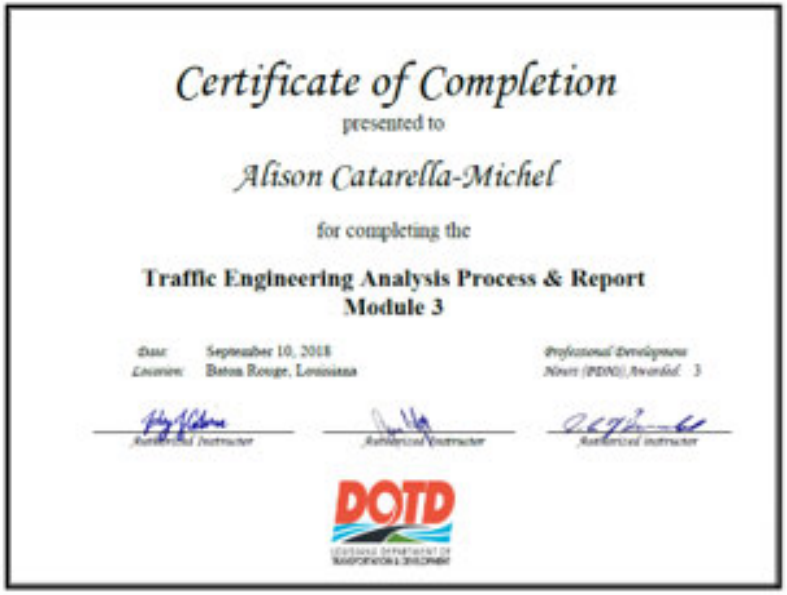
for completing the

Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 4

DOTD



Certificate of Completion

presented to

Alison Catarella-Michel

for completing the

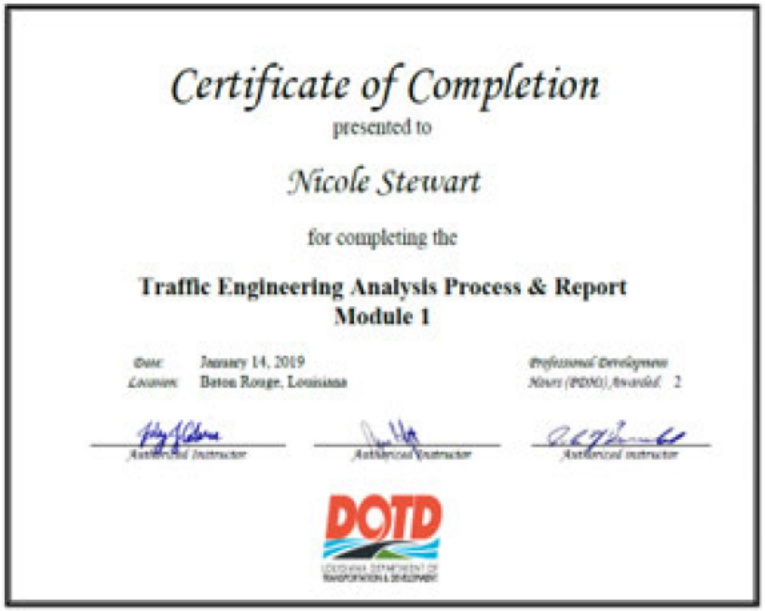
Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

DOTD

Traffic Engineering Process and Report Course offered by LTRC



Certificate of Completion

presented to

Nicole Stewart

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: January 14, 2019
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD

Certificate of Completion

presented to

Nicole Stewart

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: January 14, 2019
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD

Certificate of Completion

presented to

Nicole Stewart

for completing the

Traffic Engineering Analysis Process & Report
Module 3

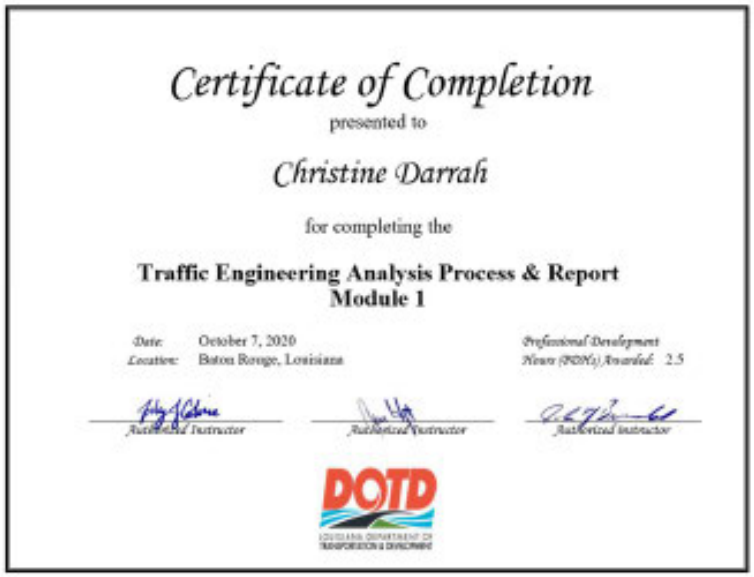
Date: January 15, 2019
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD

Traffic Engineering Process and Report Course offer ed by LTRC



Certificate of Completion

presented to

Christine Darrah

for completing the

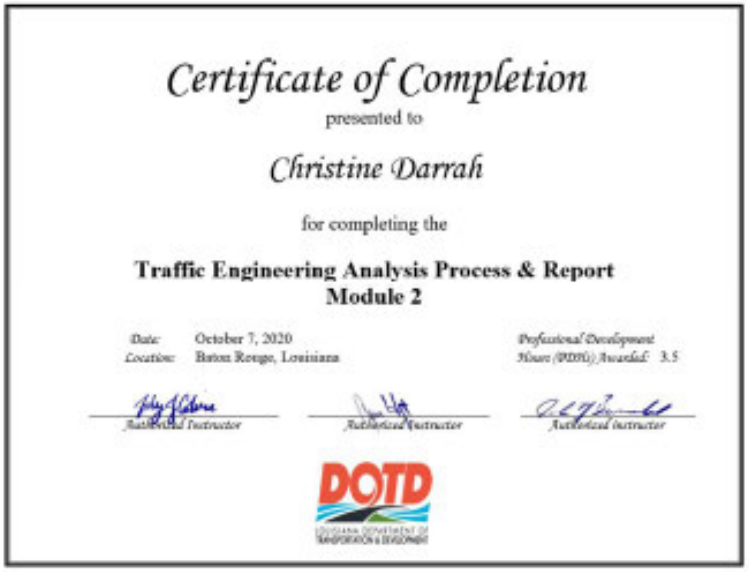
Traffic Engineering Analysis Process & Report
Module 1

Date: October 7, 2020
Location: Baton Rouge, Louisiana

Professional Development Hours (PDH's) Awarded: 2.5

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD



Certificate of Completion

presented to

Christine Darrah

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: October 7, 2020
Location: Baton Rouge, Louisiana

Professional Development Hours (PDH's) Awarded: 3.5

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD

Certificate of Completion

presented to

Christine Darrah

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: October 8, 2020
Location: Baton Rouge, Louisiana

Professional Development Hours (PDH's) Awarded: 3.5

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD

Traffic Engineering Process and Report Course offer ed by LTRC

Certificate of Completion

presented to

Matthew Morgan

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: February 25, 2019
Location: Bridge City, Louisiana

Professional Development
Hours (PDH) Awarded: 2

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD

Certificate of Completion

presented to

Matthew Morgan

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: February 25, 2019
Location: Bridge City, Louisiana

Professional Development
Hours (PDH) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD

Certificate of Completion

presented to

Matthew Morgan

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: February 26, 2019
Location: Bridge City, Louisiana

Professional Development
Hours (PDH) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD

Firm Professional Engineering and Land Surveying Licenses

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

Name:	Public Address:
N-Y Associates, Inc.	Mr. Michael Nicoladis 2750 Lake Villa Drive, Suite 100 Metairie, Louisiana 70002-6797

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0000585	Active	09/26/1984	09/30/2025	Mr. Frank Nicoladis # PE.0005924; Mr. Constantine Frank Nicoladis #PE.0027095

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

Name:	Public Address:
SJB Group, LLC	5344 Brittany Drive Baton Rouge, Louisiana 70808

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
VF.0000390	Active	01/14/1997	03/31/2027	Mr. Matthew Samuel Estopinal # PLS.0004955

Firm Professional Engineering and Land Surveying Licenses

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

Name:	Public Address:
APS Engineering and Testing, LLC	Mr. Sergio Aviles 5261 Highland Road, PMB 320 Baton Rouge, Louisiana 70808

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF. 0005198	Active	11/29/2012	03/31/2027	Mr. Sergio L. Aviles # PE.0033571

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

Name:	Public Address:
Urban Systems, Inc.	Ms. Alison Marie Catarella 2000 Tulane Avenue, Suite 200 New Orleans, Louisiana 70112

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0001342	Active	09/22/1986	03/31/2027	Ms. Alison Marie Catarella Michel # PE.0030261

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Louisiana SECRETARY OF STATE NANCY LANDRY

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Name	Type	City	Status
N-Y ASSOCIATES, INC.	Business Corporation	METAIRIE	Active

Previous Names

N Y ASSOCIATES, INC. (Changed: 10/10/2007)

N Y ENGINEERING COMPANY, INC. (Changed: 4/22/1970)

Business: N-Y ASSOCIATES, INC.
Charter Number: 28626840D
Registration Date: 6/24/1969

Domicile Address

2750 LAKE VILLA DRIVE
METAIRIE, LA 70002

Mailing Address

C/O MICHAEL F. NICOLADIS
2750 LAKE VILLA DR.
METAIRIE, LA 70002

Principal Office Address

2750 LAKE VILLA DRIVE
METAIRIE, LA 70002

Status

Status: **Active**
Annual Report Status: **In Good Standing**
File Date: 6/24/1969
Last Report Filed: 6/6/2024
Type: Business Corporation

Registered Agent(s)

Agent: MICHAEL F. NICOLADIS
Address 1: 2750 LAKE VILLA DR.
City, State, Zip: METAIRIE, LA 70002
Appointment Date: 5/28/2003

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Name	Type	City	Status
SJB GROUP, L.L.C.	Limited Liability Company	BATON ROUGE	Active

Previous Names
Business: SJB GROUP, L.L.C.
Charter Number: 36063779K
Registration Date: 12/2/2005

Domicile Address
5344 BRITTANY DRIVE
BATON ROUGE, LA 70808

Mailing Address
C/O MATTHEW ESTOPINAL
5344 BRITTANY DRIVE
BATON ROUGE, LA 70808

Status
Status: Active
Annual Report Status: In Good Standing
File Date: 12/2/2005
Last Report Filed: 12/20/2024
Type: Limited Liability Company

Registered Agent(s)
Agent: MATTHEW ESTOPINAL
Address 1: 5344 BRITTANY DRIVE
City, State, Zip: BATON ROUGE, LA 70808
Appointment Date: 4/17/2023

Officer(s) Additional Officers: No
Officer: MATTHEW ESTOPINAL
Title: Manager, Member
Address 1: 5344 BRITTANY DRIVE
City, State, Zip: BATON ROUGE, LA 70808

Mergers (1)

Filed Date	Effective Date:	Type	Charter#	Charter Name	Role
12/2/2005	12/2/2005	MERGE	36063779K	SJB GROUP, L.L.C.	SURVIVOR
			22203280D	SJB GROUP, INCORPORATED	NON-SURVIVOR

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

Previous Names

Business: ELOS ENVIRONMENTAL, LLC
Charter Number: 45643772Q
Registration Date: 10/19/2023

Domicile Address

1209 ORANGE ST
WILMINGTON, DE 19801

Mailing Address

607 W MORRIS AVE
HAMMOND, LA 70403

Principal Business Office

607 W MORRIS AVE
HAMMOND, LA 70403

Registered Office in Louisiana

3867 PLAZA TOWER DR.
BATON ROUGE, LA 70816

Principal Business Establishment in Louisiana

607 W MORRIS AVE
HAMMOND, LA 70403

Status

Status: Active
Annual Report Status: In Good Standing
Qualified: 10/19/2023
Last Report Filed: 9/20/2024
Type: Limited Liability Company (Non-Louisiana)

Registered Agent(s)

Agent: C T CORPORATION SYSTEM
Address 1: 3867 PLAZA TOWER DR.
City, State, Zip: BATON ROUGE, LA 70816
Appointment Date: 10/19/2023

Officer(s) Additional Officers: No

Officer: KEFALARI MASONF
Title: Manager
Address 1: 607 W MORRIS AVE
City, State, Zip: HAMMOND, LA 70403

Officer: DIRK APPLEGATE
Title: Manager
Address 1: 607 W MORRIS AVE
City, State, Zip: HAMMOND, LA 70403

Officer: LUCAS WATKINS
Title: Manager
Address 1: 607 W MORRIS AVE
City, State, Zip: HAMMOND, LA 70403

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Name	Type	City	Status
APS ENGINEERING AND TESTING, LLC	Limited Liability Company	BATON ROUGE	Active

Previous Names

Business: APS ENGINEERING AND TESTING, LLC
Charter Number: 40911984K
Registration Date: 8/9/2012

Domicile Address

1645 NICHOLSON DR
BATON ROUGE, LA 70802

Mailing Address

5261 HIGHLAND RD. #320
BATON ROUGE, LA 70808

Status

Status: Active
Annual Report Status: In Good Standing
File Date: 8/9/2012
Last Report Filed: 7/16/2024
Type: Limited Liability Company

Registered Agent(s)

Agent: SERGIO AVILES
Address 1: 5261 HIGHLAND RD. #320
City, State, Zip: BATON ROUGE, LA 70808
Appointment Date: 6/25/2018

Officer(s) Additional Officers: No

Officer: SERGIO AVILES
Title: Member
Address 1: 5261 HIGHLAND RD. #320
City, State, Zip: BATON ROUGE, LA 70808

Mergers (1)

Filed Date	Effective Date:	Type	Charter#	Charter Name	Role
3/25/2022	3/25/2022	MERGE	40911984K	APS ENGINEERING AND TESTING, LLC	SURVIVOR
			37100062K	APS DESIGN AND TESTING, L.L.C.	NON-SURVIVOR

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Name	Type	City	Status
URBAN SYSTEMS ASSOCIATES, INC.	Business Corporation	NEW ORLEANS	Active

Previous Names

Business: URBAN SYSTEMS ASSOCIATES, INC.
Charter Number: 30812980D
Registration Date: 11/12/1974

Domicile Address

2000 TULANE AVENUE
SUITE 200
NEW ORLEANS, LA 70112

Mailing Address

2000 TULANE AVENUE
SUITE 200
NEW ORLEANS, LA 70112

Principal Office Address

2000 TULANE AVENUE
SUITE 200
NEW ORLEANS, LA 70112

Status

Status: Active
Annual Report Status: In Good Standing
File Date: 11/12/1974
Last Report Filed: 10/21/2024
Type: Business Corporation

Registered Agent(s)

Agent: ALISON MICHEL
Address 1: 2000 TULANE AVE
Address 2: SUITE 200
City, State, Zip: NEW ORLEANS, LA 70112
Appointment Date: 12/31/2019

Officer(s) Additional Officers: No

Officer: ALISON C. MICHEL
Title: President
Address 1: 877 CHAPELLE STREET
City, State, Zip: NEW ORLEANS, LA 70124

Officer: NICOLE STEWART
Title: Secretary, Vice-President
Address 1: 8454 BEECHWOOD COURT
City, State, Zip: NEW ORLEANS, LA 70127

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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 and 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 2024 to October 2025

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

RTA a

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)

Urban System Associates, Inc.

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

NC541330, NC541340, NC541990

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

Certificate Eligibility: February 2025 to February 2026

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:** If the advertisement requires submission of a QA/QC plan, include it here. **Otherwise, leave this section blank. If a QA/QC plan is included in this section and was not required by the advertisement, it will be redacted.**
QA/QC Plan attached.

QUALITY CONTROL/QUALITY ASSURANCE PLAN

for

CONTRACT NO. 4400030644

STATE PROJECT NO. H.015976.5

FEDERAL AID PROJECT NO. H015976

OFF-SYSTEM HIGHWAY BRIDGE PROGRAM

BRIAN RD OVER DRAINAGE BAYOU

EAST BATON ROUGE PARISH

Prepared by

NY ASSOCIATES, INC.
ENGINEERS • ARCHITECTS • PLANNERS
PROGRAM & PROJECT MANAGERS

For

DOTD
LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT

April 9, 2025

QUALITY CONTROL/QUALITY ASSURANCE PLAN

Contract No. 4400030644

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Appendix C: Design Criteria Checklist

Appendix D: Status of Drawings and Other Submittals Form

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Appendix H: QC/QA Certification

Appendix H.1: QC/QA Certification of the Status of Bridge Design Calculations

Appendix I: Peer Review Resolution Agreement

Appendix J: Software Approval

Appendix K: Software Verification

Appendix L: Road Design 100% Preliminary Plans QA/QC

Appendix M: Road Design Final Plans QA/QC

Key Personnel

Quality Control/Quality Assurance Plan

Contract No. 4400030644

Project Manager: James E. Simmons, PE (N-Y)

Engineer of Record: James E. Simmons, PE – Roadway and Bridge (N-Y)

Reviewer: Neil Logan, PE (N-Y)

Designer/Design Checkers*:

James Simmons, PE (N-Y)	Responsible for the project road and bridge design
Constantine Nicoladis, PE (N-Y)	Responsible for road design
Dennis Voss, NICET (N-Y)	Responsible for road design
Fred Mortali, PE (N-Y)	Responsible for drainage design
William Haensel, PE (N-Y)	Responsible for bridge design
Steven Fall, PE (N-Y)	Responsible for bridge design
Alison Catarella Michel, PE, PTOE (USI)	Responsible for traffic design
Nicole Stewart, PE, PTOE (USI)	Responsible for traffic design
Christine Darrah, PE (USI)	Responsible for traffic design

*NICET design work must be checked by a registered P.E.

Detailers/Detail Checkers:

Noah Jackson (N-Y)	Lead CAD Technician

Hydrologic and Hydraulic Modeling:

Fred Mortali, PE (N-Y)

Patricia Claverie, EI, MS (N-Y)

QUALITY CONTROL/QUALITY ASSURANCE PLAN

for

CONTRACT NO. 4400030644

STATE PROJECT NO. H.015976.5

FEDERAL AID PROJECT NO. H015976

OFF-SYSTEM HIGHWAY BRIDGE PROGRAM

BRIAN RD OVER DRAINAGE BAYOU

EAST BATON ROUGE PARISH

1. Introduction

In order to assure the quality of the roadway and bridge design, H&H work, plans and other deliverables required for the proposed replacement of the Brain Rd. bridge over Drainage Bayou in East Baton Rouge Parish, N-Y Associates, Inc. (N-Y) has established this QC/QA plan document for the project. This QC/QA plan shall be adhered to for all design activities in both the design phase and the construction support phase of the project. **All submittals to the LADOTD shall include a QC/QA Certification stating that the submittal has been prepared in accordance with this QC/QA plan** (see Appendix A).

N-Y is responsible for fully checking all of our work and that of our sub-consultants. The review of all designs and checking of plans, calculations, specifications, and estimates must meet the standard of care performed by the LADOTD's Bridge Design and Road Design Sections. This QC/QA plan complies with the minimum requirements set forth in:

- The "Guidance on QC/QA in Bridge Design in Response to NTSB Recommendation (H-017)" (FHWA/AASHTO Guidance) published by FHWA and AASHTO August 2011 and
- The LADOTD Bridge Design and Evaluation Manual, Part I – Policies and Procedures, Chapter 3 Policy for QC/QA.

This plan shall also address the Road Design 100% Preliminary QA/QC Review Checklist (Appendix L) and the Road Design Final QA/QC Review Checklist (Appendix M) items applicable to the project.

2. Definitions and Abbreviations

Quality Control (QC) - The act of reviewing and checking the design, the calculations, and the plans for accuracy and consistency. Review consists of verifying general conformance of the

design with the project objectives and DOTD's policies. Checking consists of detailed verification of design and details. QC shall be thorough, appropriate to the project in order to detect and correct design omissions and errors before the plans are finalized and verify the designs and details for the load-carrying members are adequate for the service and operation loads. All steps of the QC procedure shall be documented.

Quality Assurance (QA) - The steps needed to verify quality. This is a defined set of procedures to be carried out at the project management and senior technical levels with measurable and verifiable actions to ensure that quality procedures are in place and effective in preventing mistakes, and consistency in the development of roadway plans, bridge design plans, and specifications.

Designer – The designer must be licensed by the State of Louisiana as a professional engineer or an engineer intern, who is responsible for the development of design calculations, drawings, special provisions including Non-Standard items, and cost estimate.

Detailer – The detailer is an individual directly responsible for the creation of CAD drawings under the supervision of the designer in accordance with LADOTD Software and Deliverable Standards for Electronic Plans document and LADOTD CAD Standards.

Design Checker – The design checker must be licensed by the State of Louisiana as a professional engineer or an engineer intern, who is responsible for performing a full technical review of the design calculations, drawings, special provisions including Non-Standard items, and cost estimate. ***The design checker must be licensed by the State of Louisiana as a professional engineer if the designer is an engineer intern***. The design checker shall not be the same individual who performed the original design.

Detail Checker – The detail checker can be a designer or a detailer, who is responsible for performing a full review of the CAD drawings. The detail checker shall not be the same individual who developed the original details.

Reviewer – The reviewer must be licensed by the State of Louisiana as a professional engineer and must have substantial experience in the design of similar roadways and structures as those of the project. This individual is responsible for performing QA procedures for assuring that the QC processes have been performed and are complete and the design calculations, drawings, special provisions, and cost estimate are in accordance with LADOTD Road Design and Bridge Design practices, policies, and procedures.

Engineer of Record (EOR) – The EOR is a licensed professional engineer in the State of Louisiana meeting or exceeding the minimal experience requirements in the design of similar roadways and structures to those of the project, who is responsible for the supervision and/or preparation of plans, sealing calculations, plans and special provisions for all roadways, bridges, and other structures for the project.

3. QC/QA Process

Step 1: Designation of a Qualified Design Team

As noted in the list of Key Personnel, James E. Simmons, P.E. will serve as the Project Manager (PM) and will be the EOR for the project. The PM will select the design team from qualified N-Y personnel and enlist the services of qualified sub-consultants to fulfill technical roles outside of N-Y's area of expertise. The design team members and sub-consultants shall meet or exceed the minimum personnel requirements as prescribed in the LADOTD Request for Qualifications (RFQ) for the project.

The PM is responsible for assigning the team members responsibility for specific design and detailing activities. The PM is also responsible for assigning team members for QC of the work performed. An N-Y Principal will either act as the Reviewer or designate other qualified personnel (not performing design and detailing on the project) for QA procedures.

The project team was identified in N-Y's Statement of Qualifications SF24-102. The latest Key Personnel assigned to the project are listed under the Key Personnel section of this plan. N-Y will ensure that the original team members shown of SF24-102 are utilized. If a need arises for change in personnel, the replacement staff member(s) credentials shall meet or exceed those of the original staff member(s) to be replaced. Replacement personnel must be approved by LADOTD's Bridge Task Manager for bridge design and the Roadway Task Manager for road design.

Step 2: Design Kick-off Meeting and Pre-Design/Planning Meeting Report

Prior to the Design Kick-off meeting with the LADOTD, N-Y will prepare a draft N-Y Pre-Design/Planning Meeting Agenda. This meeting agenda will help facilitate discussion of LADOTD's Consultant Project Bridge Design Kick-Off Meeting Agenda Checklist (see Appendix B).

The N-Y Pre-Design/Planning Meeting Agenda will be utilized to prepare a Pre-Design/Planning Meeting Report based on discussion from the Design Kick-Off Meeting and distributed to the Bridge Task Manager, Roadway Task Manager, and N-Y management.

Step 3: Development of Project Design Criteria

N-Y will develop design criteria for the project covering at a minimum the LADOTD Design Criteria Checklist (see Appendix C). Prior to beginning any design work, N-Y will submit the design criteria to the Bridge Task and Roadway Task Managers for approval. Upon approval, N-Y will adhere to the established design criteria. Any changes to the design criteria during the course of the project will be documented and a current list of the criteria shall be maintained at all times. Any design assumptions made or design exemptions obtained shall be listed in the design criteria and referenced in the design calculations and drawings as appropriate.

The EOR will create the Status of Drawings and Other Submittal Form (See Appendix D) for this project at each milestone submittal. This form is to be updated at least bi-weekly and a current copy kept with a full set of the latest design drawings to date. This form and the drawing set helps the EOR track the progress of the project along with coordinating sub-consultants from start to finish.

Step 4: Development of Designs and Plan Details by the Designer and the Detailer

The next item of work is to determine the bridge type, size and location (T, S & L). The T, S & L will be submitted to the Bridge Task Manager for approval prior to N-Y commencing with any design of structural components. During the design process, the designer must follow the design criteria established for the project. The designer is responsible to communicate his design information to the drawings by closely supervising the detailer. The drawings must adequately and accurately present the design information. Both the designer and the detailer shall check their own work prior to submitting it for QC.

All design calculations shall be organized and maintained in a standard calculation book format. At a minimum, the final calculation book shall contain the items listed on the LADOTD Final Calculation Book Checklist (see Appendix E).

Step 5: Quality Control of Designs and Plan Details by the Design Checker and the Detail Checker

The design check process verifies the accuracy of the designer's calculations, pay items, quantities, special provisions including Non-Standard items, and cost estimate. This can be accomplished in one of two methods by the design checker; a redline check of the designers calculations or by producing an independent set of calculations and comparing the results. The PM shall determine the method to be utilized based on the complexity of the design element being checked. The designer's calculations are the calculations of record and the original calculations must be updated to correct any errors or omissions found by the design checker. The updated set of calculations shall be verified by the design checker and then initialed in the checked by block. If an independent set of calculations is produced, these also will become part of the calculations of record. In addition to checking the design calculations, the design checker shall ensure that the drawings adequately and accurately present the design information.

During the detail check process, the detailer must ensure that the drawings are in accordance with the design information, the LADOTD Software and Deliverable Standards for Electronic Plans document and the LADOTD CAD Standards. All dimensions and quantity calculations must be verified. N-Y utilizes a color-coded marking procedure for the QC of drawings (see Appendix F).

The checking process may begin at the completion of the entire design/detail process or may check components of the designer/detailer's work as it is completed. Likewise, the checker may provide feedback at the completion of the entire checking process or as each component of check is completed. On large complex projects with many different design elements of similar nature, a check of the first designs and details of the elements will be performed in order to minimize repeated errors and corrections. Subsequent designs and details of the remaining elements will still be checked in full accordance with the QC processes.

Any discrepancies that arise shall be resolved between the designer/detailer and the checker, and the calculations and plans corrected accordingly. If the designer/detailer and the checker are unable to resolve their discrepancies, the issue shall be brought to the attention of the PM for a decision on resolution. Significant issue resolution that cannot be resolved at this level will be resolved by an N-Y Principal.

The design and detail check shall be considered complete when the designer, design checker, detailer, and detail checker are satisfied with the state of the design calculations, drawings, special provisions, and cost estimate. The design and detail check shall be completed no later than the 95% Final Plans stage. Upon completion of the checking the designer will prepare a

QA information package, which includes the documents listed below, and providing the package to the reviewer to perform quality assurance.

- QA Information Package Checklist (see Appendix H)
- Calculation book
- Plans
- Special Provisions including Non-Standard items
- Cost estimate
- Any relevant documents, such as checklists, review comments, etc., utilized by the designer, design checker, detailer, and detail checker

Note: If design revisions are required after the QA information package has been submitted, the reviewer must be notified of such revisions and supplied with the revised information.

Step 6: Quality Assurance of Designs and Plan Details by the Reviewer

The reviewer shall perform a cursory review of all documents in the QA information package submitted by the designer. This review should focus on constructability of the plan details; areas of critical structural importance; areas where based on the reviewer's experience, mistakes may typically be found; and areas that may be new to the design practice. The reviewer at their discretion can produce independent calculations to verify submitted information. The reviewer shall provide feedback to the designer and resolve all issues. The QA process must be completed no later than the 98% Final Plans stage. The design calculations, plan details, special provisions, and cost estimate shall be considered final when the QA process is complete. The QC/QA Certification (see Appendix I) shall be signed by the designer, design checker, detailer, detail checker, and reviewer. On more complex projects, Appendix H shall be supplemented with QC/QA Certification of the Status of Bridge Design Calculations (Appendix H.1) and the List of Drawings and Others Deliverables Form (Appendix D). The Status of Bridge Design Calculations shall be signed by the designers and design checkers. The Status of Drawings and Other Deliverables shall be signed by the designers, design checkers, detailers, and detail checkers.

Step 7: Peer Review

For complex projects a peer review may be requested by the LADOTD. Peer review shall be performed by an independent engineering entity with no prior involvement in the project. ***Peer review of any N-Y work products cannot be performed by an employee of N-Y***. At the discretion of the LADOTD Bridge Task Manager the peer review of certain elements may be performed by a qualified sub-consultant. The peer reviewer must be licensed by the State of Louisiana as a professional engineer and must have substantial experience in the design of

similar structures under review. The peer review comments must be submitted to LADOTD and N-Y for evaluation. Resolutions agreed upon by all parties including the designer, peer reviewer, and LADOTD shall be incorporated into the final design. A Peer Review Resolution Agreement (see Appendix I) shall be signed by the peer reviewer, the PM and the LADOTD Bridge Task Manager. Depending on the scope of the review, peer reviews are typically performed between the 60% to 98% Final Plan stages.

The hydraulic design of this project will include viable drainage alternates, (pipe/ culvert/ bridge) sized such that the details are available in the department's special details or standard plans. It is not anticipated that this project will be considered a complex project requiring a peer review.

Step 8: Sealing of Design Calculation Book and Plans by the Engineer of Record

The responsibilities of the EOR are as follows:

- Ensure that the QC/QA certification is signed by all responsible parties.
- Ensure the geotechnical design information shown on bridge plans is co-stamped by a Geotechnical Engineer and the hydraulic information shown on bridge plans is co-stamped by a Hydraulic Engineer.
- Ensure that all drawings developed by sub-consultants are stamped by the appropriate engineer(s).
- Assemble the final calculation book and seal the cover sheet of the calculation book. The calculation book is to contain all calculations from all designers, sub-consultants, the final geotechnical analysis report stamped by the geotechnical engineer, and the final hydraulic report stamped by the hydraulic engineer.
- Ensure that the title block on each plan sheet has the names of the designer, design checker, detailer, detail checker, and reviewer correctly shown. Stamp all plan sheets developed under the EOR supervision. ***The EOR shall stamp the General Notes Sheet(s)***. Ensure that any sheets developed under the supervision of others is stamped by the designated designer, design checker, or reviewer licensed by the State of Louisiana as a professional engineer.
- Ensure that all special provisions developed by N-Y and N-Y's sub-consultants are accurate for inclusion in the construction proposal. The EOR will stamp the special provisions developed by N-Y and N-Y's sub-consultants. The EOR will submit the special provisions to the LADOTD Bridge Task and Roadway Task Managers.

Step 9: QC/QA for Design Activities after Final Plans are Signed by the LADOTD Chief Engineer

N-Y will use the same QC/QA process utilized for the design documents for all activities such as plan revisions, change orders, etc. occurring after the final plans have been signed by the LADOTD Chief Engineer.

Step 10: Archiving Bridge Design Files

The EOR is responsible to submit the following documents to the LADOTD Bridge Task Manager:

- Stamped Final Plans
- Stamped Special Provisions
- Cost Estimate
- The following will be submitted electronically by CD or Flash Drive or placed in a designated ProjectWise folder:
    - A PDF File of the Calculation Book
    - All Electronic Design Files
    - A PDF File of the As-Designed Rating Report Only
- Any revisions made to the above listed documents due to plan revisions and/or change orders along with the appropriate signed plan revisions or change order sheets.

N-Y will retain these documents until five (5) years past Final Project Acceptance by the LADOTD.

4. Software

N-Y will make every effort to utilize the LADOTD Bridge Design Section pre-approved software listed on the website. If any other software is required for any applications for which the pre-approved software cannot be used, N-Y will seek approval from the Bridge Task Manager prior to the use of the software. A Software Approval form (see Appendix J) will be submitted with the request to the Bridge Task Manager.

All commercially available software and spreadsheets developed for design shall be validated and documented as follows:

- A hand calculation with the same formulation or parallel technique must be documented and checked in accordance with Step 5 of the QC/QA Process. Checked calculations from a previous project or the input and output from a validated program may be substituted for original hand calculations.

- The same input and assumptions utilized in the hand calculations are formatted and input in to the computer to check the software.
- The computer output is compared to the hand calculation results with each corresponding answer annotated as equivalent values. Any differences not accountable to rounding are to be explained on the output sheet.
- Complete documentation of the software validations are to be maintained by the PM. Documentation should include the Software Verification Form (see Appendix K), fully checked calculations, checked computer input, printout of program when available, and annotated output printout.

Commercially available programs, which come with validation documentation, are acceptable if project personnel review the documentation and determine that it conforms to the standards set forth herein and note as such on the Software Verification Form.

Appendix A
Consultant Submittal QC/QA Certification

Contract No.: 4400030644
Project Name: Off-System Highway Bridge Program, Brian Rd. Over Drainage Bayou, East Baton Rouge Parish

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.

_____
Submittal Description

_____	_____	_____
Supervisor or Team Leader Name	Signature	Date

Appendix B
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 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 the QC/QA Plan Document (The staffing plan should include names and responsibilities of the designers, detailers, checkers, reviewers, and the EOR.)

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

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

__ Discuss Design Criteria

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

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

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

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

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

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

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

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

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

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

__ **Geotechnical Design**

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

__ **Mechanical Design**

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

__ **Electrical/Lighting Design**

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

__ **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.

Contract No. 4400030639
Off-System Highway Bridge Program
Brain Rd. over Draianage Bayou
S.P. No. H.015976.5 / FAP No. H015976
East Baton Rouge Parish

Status of Drawings & Other Deliverables for _____ Plans (__% Submittal)

This list of deliverables will be tailored for each SP No. once scope is finalized.

Legend:

Bold	New for Final Plan Set
	Required for this Submittal
	Drawing Created
	Ready for Q/C
	Included In Submittal (Info Only, not QC'd)
	Complete (QC'd)

N-Y NO.20.XXX
1/14/25

Sheet No.	Sheet Title	Drawing (*.dgn)	Designer	Design Checker	Detailer	Detail Checker	Remarks	Due @ Submittal(s)
	ROADWAY PLANS							
1	Title Sheet and Layout Map	001_TITLE						
1a	Index							
1b	Project Layout							
2	Typical Roadway Sections							
3	Summary of Estimated Quantities Sheets							
	Quantity Summary Tables							
	PLAN-PROFILE							
4	Plan-Profile							
	Reference Points and Bench Mark Elevation							
	DRAINAGE							
	Existing Drainage Map							
	Design Drainage Map							
	Summary of Drainage Structures							
	SPECIAL DETAILS							
	TBD							
	GEOMETRICS							
	Geometric Control Layout							
	Geometric Control Tables							
	Curve Data							
	Geometric Layout							
	Geometric Details							
	MISCELLANEOUS ROADWAY PLANS							
	Pavement Marking Layout							
	Sugg. Seq. Const. & Min. Sign							
	Detour Route							
	Signal Plans							
	Existing Sign Layout							
	Permanent Sign Layout							
	Sign Summary							
	Misc. Sign Details		DOTD					
	Temporary Erosion Control							
	LIGHTING PLANS							
	Lighting Plans							
	MIISCELLANEOUS SHEETS							
	Right-of-Way Limits							
	RIGHT-OF-WAY MAPS							
	Right-of-Way Maps							
	BRIDGE PLANS							
	Bridge Index							
	Bridge General Notes							
	Bridge Quantities							
	General Bridge Plan							

Contract No. 4400030639
Off-System Highway Bridge Program
Brain Rd. over Draianage Bayou
S.P. No. H.015976.5 / FAP No. H015976
East Baton Rouge Parish

Status of Drawings & Other Deliverables for _____ Plans (__% Submittal)

This list of deliverables will be tailored for each SP No. once scope is finalized.

Legend:

Bold	New for Final Plan Set
	Required for this Submittal
	Drawing Created
	Ready for Q/C
	Included In Submittal (Info Only, not QC'd)
	Complete (QC'd)

N-Y NO.20.XXX
1/14/25

Sheet No.	Sheet Title	Drawing (*.dgn)	Designer	Design Checker	Detailer	Detail Checker	Remarks	Due @ Submittal(s)
	Typical Bridge Sections							
	Superelevation Diagram							
	Foundation Layout							
	Pile Data							
	Bent Details							
	Crash Wall Details							
	Framing Plan							
	Girder Details							
	Deck Details							
	Joint Details							
	Bearing Details							
	Approach Slab Details							
	Guardrail Details							
	Bridge Railing Details							
	Bridge Drainage Details							
	MISCELLANEOUS BRIDGE PLANS							
	Misc. Details							
	Special Details		DOTD					
	Standard Plans							
	Standard Plans		DOTD					
	CROSS SECTIONS							
	Cross Sections							
	OTHER DELIVERABLES							
	Design Criteria							
	Drainage Calculations							
	Cost Estimate							
	Bridge Alternate Study							
	Special Provisions							
	As-Designed Bridge Ratings							
	Final Bridge Calculations							

We, the undersigned designers, design checkers, detailers, and detail checkers for this project, have reviewed and accepted the drawings and deliverables denoted as complete. Other drawings and deliverables are in progress as indicated above for this submittal. 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.

Appendix E
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**

__ **All Electronic Design Files**

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

COLOR-CODED MARKING PROCEDURES

For the "Detail Checking" of documents, the following color-coded marking procedure shall be used if the review / check document is used to document the procedure (i.e. the work product is marked up):

1. Correct information shall be highlighted in yellow to signify that the information has been subjected to review / check and is found to be correct.

2. Checker shall mark incorrect information in red for literal correction by the author (designer / detailer). Suggestions, comments and notes shall be written in clouded red.

3. Marked-up information shall be back-checked by the author and check-marked in green if he/she agrees.

4. Marked-up information about which the author disagrees with the reviewer / checker shall be resolved through discussion. If they are unable to reach an agreement, the Project Manager shall decide upon the resolution. Significant Issue resolution that cannot be resolved at this level will be resolved by the BKI Chief Engineer or his Designee (as applicable).

5. All marked-up and agreed upon / resolved information shall be corrected / incorporated into the original document by the author. After applying a procedure of self-checking, the detailer shall signify that the correction is complete by highlighting the marked-up information in yellow on the review / checking document and shall initial and date each sheet.

6. The corrections subsequently shall be verified by the author. He/she shall signify the proper correction by highlighting the marked-up information in blue over the yellow on the review / checking document and shall initial and date each sheet. The resultant color will be green.

COLOR - CODED MARKING PROCEDURES									
Step	Description	Checker	Designer	Detailer	Initial & Date	Color	Signifies Information Is:		
							Correct	Incorrect	Comment
1	Review	X				Yellow	X		
2		X				Red		X	
2		X				Red Cloud			X
3	Back - Check		X			Green "checkmark"	Agrees		
3			X			Green "X"	Disagrees		
4	Finalize		X		Yes	Resolve Disagreements			
5	CADD			X	Yes	Yellow	X		
6	**Verification**		X		Yes	Blue over Yellow = Green			

Appendix G
QA Information Package Checklist

Contract No.: 4400030644
Project Description: Off-System Highway Bridge Program, Brain Rd. Over Drainage Bayou, East Baton Rouge Parish

_____ Calculation Book

_____ Plans

_____ Special Provisions

_____ Cost Estimate

_____ Other Documents _____

Appendix H
QC/QA Certification

Contract No.: 4400030644
Project Name: Off-System Highway Bridge Program, Brain Rd. Over Drainage Bayou, East Baton Rouge Parish

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						

Contract No. 4400030644
QC/QA Certification of the Status of Bridge Design Calculations

Updated: 10/23/2019

= Progress
= Complete

__% _____ Plans Submittal

			Comments		
	Designer	Design Checker	Y/N	Resolved Y/N	Remarks
Deck Designs:					
Slab Span Designs:					
Girder Designs:					
Bearing Designs:					
Bent Designs:					
End Bent Designs:					
Pile Bent Designs:					
Approach Slab Designs:					

We, the undersigned designers and design checkers for this project, have reviewed and accepted the calculations denoted as complete. Other calculations and reviews are in progress as indicated above for this submittal. 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.

Appendix I
Peer Review Resolution Agreement

Project No.: 4400030644
Project Name: Off-System Highway Bridge Program, Brain Rd. Over Drainage Bayou, East Baton Rouge Parish

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

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

Appendix J
SOFTWARE APPROVAL

Contract Number: 4400030644

Project Name: Off-System Highway Bridge Program, Brain Rd. Over Drainage Bayou, East Baton Rouge Parish

Note: Certification from the software developer must be attached stating that the software is maintained in accordance with the latest AASHTO LRFD Bridge Design Specifications. This completed form and the certification is to be submitted by the PM to the LADOTD Bridge Task Manager for approval.

Software Name:

Version Number:

Software Developer:

General Description of Software Functions:

Designer's Experience with the Software:

Other Organizations or Agencies Experience with the Software:

This Section to be completed by the LADOTD Bridge Task Manager

☐ APPROVED ☐ REJECTED

Comments:

_____ _____ _____ _____

N-Y PM Date LADOTD Bridge Task Manager Date

Appendix K
SOFTWARE VERIFICATION

Contract Number: 4400030644

Project Name: Off-System Highway Bridge Program, Brain Rd. Over Drainage Bayou, East Baton Rouge Parish

Note: The Design Office is responsible for securing this form and having it filled out by responsible parties for each different computer program used in the design computations (including customized Excel Spreadsheets). The Designer shall sign & date this form and transmit it to the PM.

Computer Program Name:

Version Number: ☐ In-House ☐ Outside Project-Specific

Principal Use:

Limitations:

Description of Program Modifications:

Operating Systems Used for Program Verification:

Location of Verification Documentation:

Prepared by: _____ Date: _____

Checked by: _____ Date: _____

Approved by: _____ Date: _____

_____ _____ _____ _____
Designer Date Project Manager Date

ROAD DESIGN 100% PRELIMINARY PLANS QA/QC

Contract No.	**4400030644**	**Route No.**	**N/A**
Name:	**Off-System Highway Bridge Program Brain Rd. over Drainage Bayou**	**Parish**	**East Baton Rouge**

General Directions:

Designer should go through this QA/QC process prior to submitting to a reviewer, attach all previous checklists for reviewer, and sign. The designer should also provide the location for the plan set being reviewed.

Reviewer should

1. Review Plan-in-Hand checklist, have all comments been addressed? ☐
2. Review Constructability / Biddability checklist, have all comments been addressed? ☐
3. Review Location and Survey Checklist. ☐
4. Sign this checklist upon completion. While completing this process, it is recommended that the reviewer use a highlighter and a red pen to mark major items on plans (this includes all table information including the math). These documents should also be attached to this document and kept as part of the design calculations for the project.

Description	Designer	Reviewer	N/A
TITLE SHEET			
The project name on the title and plan sheets matches the name in the Project System.	☐	☐	☐
The Project Length Table is accurate.	☐	☐	☐
The CS Log Miles are accurate.	☐	☐	☐
The arrows on the Layout Map are pointing to the correct location.	☐	☐	☐
The beginning, ending, equation and other event callouts match the same callouts on the plan sheets.	☐	☐	☐
The north arrow is shown on the Layout Map.	☐	☐	☐
The scale for the Layout Map is labeled correctly.	☐	☐	☐
TYPICAL SECTION SHEETS			
The typical section matches the design provided by Section 67.	☐	☐	☐
The projects limits are covered by the typical sections.	☐	☐	☐
Superelevation diagrams and/or tables have been provided.	☐	☐	☐
All measurements, thicknesses, and slope rates have been labeled and checked.	☐	☐	☐
PLAN-AND-PROFILE SHEETS			
All of the alignment information is shown and has been checked for accuracy. (including horizontal and vertical curve data)	☐	☐	☐

ROAD DESIGN 100% PRELIMINARY PLANS QA/QC

Sight distance has been checked including for vertical and horizontal curves as well as intersections. Also consideration has been given to any driveway or intersection at bridge ends.	☐	☐	☐
Superelevation transition and rates are shown in the profile.	☐	☐	☐
Median openings are in compliance with appropriate policies and EDSM's.	☐	☐	☐
Design exceptions that are required have been completed and documented in the plans.	☐	☐	☐
Design exceptions can be located in the project files.	☐	☐	☐
Utilities were considered when setting Required Right-of-Way.	☐	☐	☐
The North Arrow is shown with the proper scale.	☐	☐	☐
All right-of-way ties are shown, at all right-of-way breaks, and along curves as appropriate.	☐	☐	☐
Right-of-way markers are shown at all breaks.	☐	☐	☐
Limits of construction is shown and located within required right-of-way or construction servitude.	☐	☐	☐
Taking lines do not extend beyond the project limits.	☐	☐	☐
Driveways, sidewalks, turnouts, etc. within right-of-way (either existing or required) are shown.	☐	☐	☐
All concrete/asphalt removal is shown with appropriate patterns, including driveways, sidewalks, parking lots, etc.	☐	☐	☐
CROSS SECTIONS			
Right-of-way and construction servitude lines are shown.	☐	☐	☐
Diversions are shown as appropriate.	☐	☐	☐
Diversions do not interfere with proposed construction sequence.	☐	☐	☐
Earthwork quantities are shown.	☐	☐	☐
Proposed sections do not extend beyond Required Right-of-Way.	☐	☐	☐

Designer: _____ Date:_____

Reviewer:_____ Date:_____

ROAD DESIGN FINAL PLANS QA/QC

Contract No.	**4400030644**	**Route No.**	**N/A**
Name:	**Off-System Highway Bridge Program Brain Rd over Drainage Bayou**	**Parish**	**East Baton Rouge**

General Directions:

Designer should go through this QA/QC process prior to submitting to a reviewer, attach all previous checklists for reviewer, and sign. The designer should also provide the location for the plan set being reviewed.

Reviewer should

1. Review Plan-in-Hand checklist, have all comments been addressed? ☐
2. Review ACP checklist, have all comments been addressed? ☐
3. Review Constructability / Biddability checklist, have all comments been addressed? ☐
4. Sign this checklist upon completion. While completing this process, it is recommended that the reviewer use a highlighter and a red pen to mark major items on plans (this includes all table information including the math). These documents should also be attached to this document and kept as part of the design calculations for the project.

Description	Designer	Reviewer	N/A
TITLE SHEET			
The sheet count is correct.	☐	☐	☐
The latest versions of Standard Plans are used.	☐	☐	☐
The type of construction is correct.	☐	☐	☐
The projects limits, bridge sites, equations and exceptions are shown on the layout map. It matches the length in the project table.	☐	☐	☐
Design exceptions (if any) are shown on title sheet and can be located in ProjectWise.	☐	☐	☐
TYPICAL SECTION SHEETS			
All station ranges are accounted for. They match limits shown on Title Sheet and Plan/Profile sheets.	☐	☐	☐
Alternate pavements (if required) are provided.	☐	☐	☐
The limits of seeding and fertilizer are shown.	☐	☐	☐
Typical sections are provided for transitions and detour roads. Appropriate pay items are included.	☐	☐	☐

Description	Designer	Reviewer	N/A
Maintenance/liability agreement (if needed) has been completed for sidewalks, lighting or bike paths, and it can be located.	☐	☐	☐
SUMMARY SHEETS			
Detailed check of all quantity tabulations (addition and multiplication) has been completed.	☐	☐	☐
Detailed check of tables matching the plans (typical sections, plan/profiles, cross sections, etc.) has been completed.	☐	☐	☐
Detailed check of quantity transfers from tables to Master Summary has been completed.	☐	☐	☐
Quantities from all disciplines are accounted for (i.e. road, bridge, traffic signals, etc.)	☐	☐	☐
PLAN-AND-PROFILE SHEETS			
Check all notes; verify how all work items will be paid.	☐	☐	☐
Question notes that modify specifications.	☐	☐	☐
The rights-of- way widths are shown.	☐	☐	☐
Right-of way markers are shown at all breaks in right-of way and all P.C.'s and P.T.'s. Right of entry agreements has been obtained, if needed.	☐	☐	☐
Areas where abandoned roadways are to be obliterated and graded have been shown on the plan.	☐	☐	☐
Locations, sizes and descriptions of drainage structures to be removed are shown.	☐	☐	☐
Required construction and drainage servitudes have been shown.	☐	☐	☐
Bedding material has been shown under cross drains.	☐	☐	☐
Driveway types, widths and stations are shown. Handicap ramp types and items are shown. They match tables.	☐	☐	☐
Limits of construction are shown.	☐	☐	☐
There is a note stating existing drainage structures will be removed unless otherwise noted (Urban). There is a table showing amounts of each size pipe to be removed.	☐	☐	☐
The diversion alignment is shown, if required.	☐	☐	☐
DESIGN DRAINAGE MAP			
All drainage areas, direction of flow, run-off factors etc. are shown.	☐	☐	☐
Channel realignments (as needed) have been shown.	☐	☐	☐
Existing structures required to remain are noted and numbered.	☐	☐	☐
GEOMETRIC DETAILS			

Plan/profile sheets have been provided for turnouts where necessary.	☐	☐	☐
Plan/profile sheets have been provided for diversion roads.	☐	☐	☐
Geometric detail sheets include areas and quantities for each turnout.	☐	☐	☐
Description	**Designer**	**Reviewer**	**N/A**
SEQUENCE OF CONSTRUCTION			
The sequence of construction matches the proposed joint layout.	☐	☐	☐
Temporary drainage structures are provided during construction.	☐	☐	☐
Sequence typical sections have been provided, if necessary.	☐	☐	☐
Verify that provided lane widths are appropriate and available.	☐	☐	☐
Vertical transitions from existing to new pavement are adequate.	☐	☐	☐
Temporary pedestrian accommodations are provided per TTCs.	☐	☐	☐
GENERAL			
Saw cutting is shown where needed and paid for appropriately. (driveways, pavement cuts, patching, etc.)	☐	☐	☐
Salvageable material is shown as well as where to haul it to.	☐	☐	☐
Environmental mitigation items are included in the plans as necessary.	☐	☐	☐
CROSS SECTIONS			
Cross sections reflect the grading section.	☐	☐	☐
Cross sections reflect the "Req'd Right of Way/Servitude".	☐	☐	☐
Cross sections reflect the embankment widening for guard rail.	☐	☐	☐
The grading section is distinguishable from the existing ground line.	☐	☐	☐
Cross sections reflect cut/fill sections that match the grade shown on the plan/profile sheets.	☐	☐	☐
The diversion is shown on the cross sections.	☐	☐	☐

Designer:_____ **Date:**_____

Reviewer:_____ **Date:**_____

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

Firm Name (Name must match **exactly** as registered with Louisiana's Secretary of State (SOS): including punctuation, **include screenshot(s) from SOS at the end of Section 20**)	**Address**	**Point of Contact and email address**	**Phone Number**
SJB Group, L.L.C.	5344 Brittany Drive Baton Rouge, LA 70809	Charles "Tim" Brewer, PLS Tim.Brewer@sjbgroup.com	(225) 769-3400
ELOS Environmental, LLC	607 W. Morris Avenue Hammond, LA 70403	Lucas M. Watkins lwatkins@elosenv.com	(985) 662-5501
APS Engineering and Testing, LLC	1645 Nicholson Drive Baton Rouge, LA 70802	Sergio Aviles sergio@aps-testing.com	(225) 456-5714
Urban Systems, Inc	2000 Tulane Avenue Suite 200 New Orleans, LA 70112	Alison Catarella Michel, PE PTOE acmichel@urbansystems.com	(504) 569-3958

23. **Location:** If location is an evaluation criterion for this advertisement (see page 2) and the prime consultant intends to establish a local presence, describe the plan for doing so. **Otherwise, leave this section blank. Any information included in this section will be redacted if not required by the Evaluation Criteria section of the advertisement.**