PROPOSAL FOR ENGINERING AND RELATED SERVICES

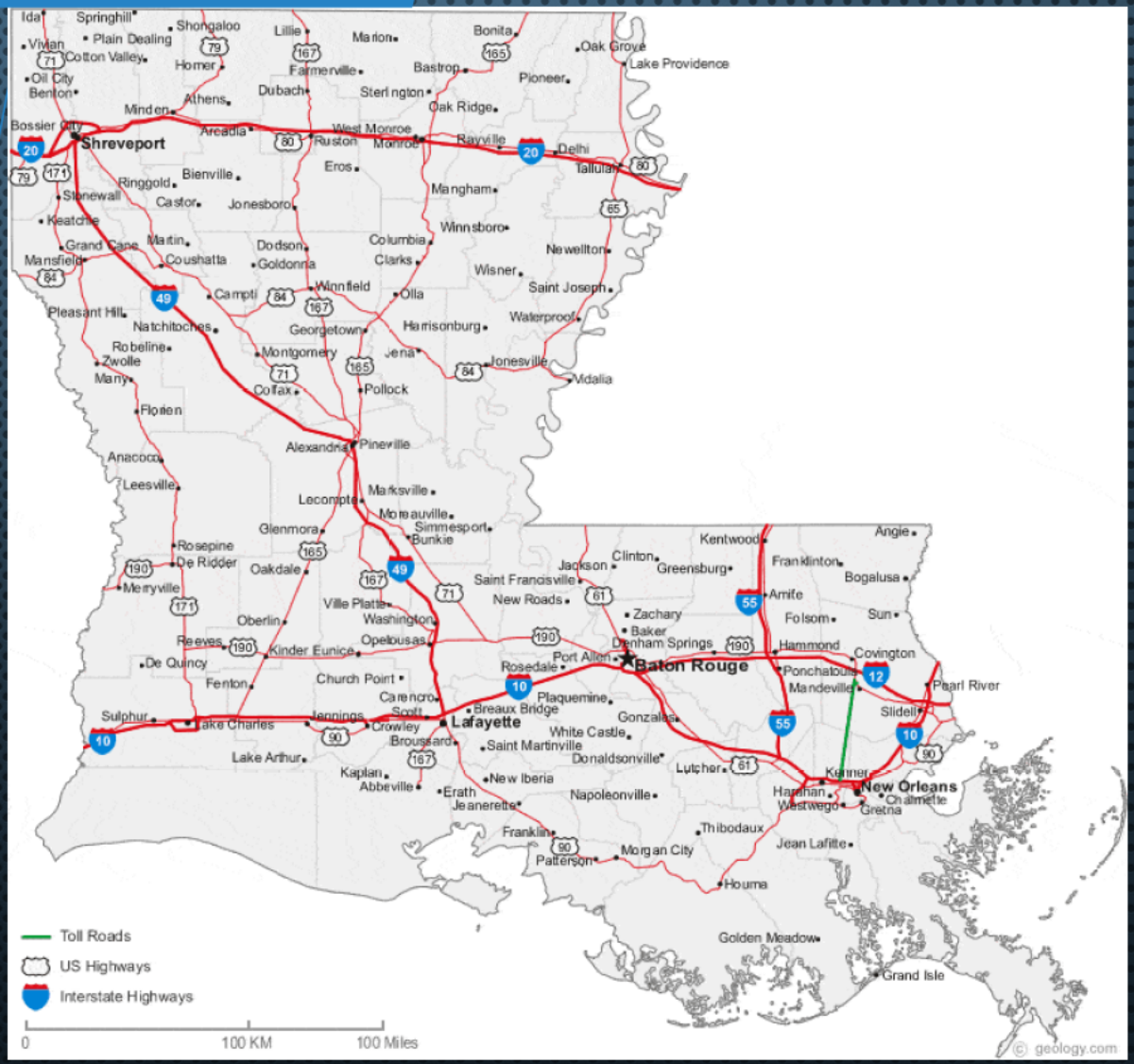
IDIQ CONTRACT FOR STAGE 0 STUDIES; STATEWIDE

Contract Nos. 4400030714 and 4400030715

April 8, 2025

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

Submitted by:
N-Y Associates, Inc.



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

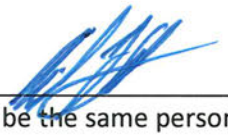
DOTD FORM: 24-102

(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	***IDIQ Contract for Stage 0 Studies Statewide***
2. Contract Number(s) as shown in the advertisement	***4400030714 and 4400030715***
3. State Project Number(s), if shown in the advertisement	***N/A***
4. Prime Consultant Name (**name must match exactly as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; include screenshot from SOS at the end of Section 20**)	***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 in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In	

preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response. **Pursuant to Act No. 581 of the 2024 Louisiana Legislature Regular Session, proposer further certifies that it does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association based solely on the entity's or association's status as a firearm entity or firearm trade association. In addition, proposer certifies it will not discriminate against a firearm entity or firearm trade association during the term of the contract based solely on the entity's or association's status as a firearm entity or firearm trade association.**	 Signature above shall be the same person listed in Section 9: ***April 8, 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.	***No DBE Goal***

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.

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.

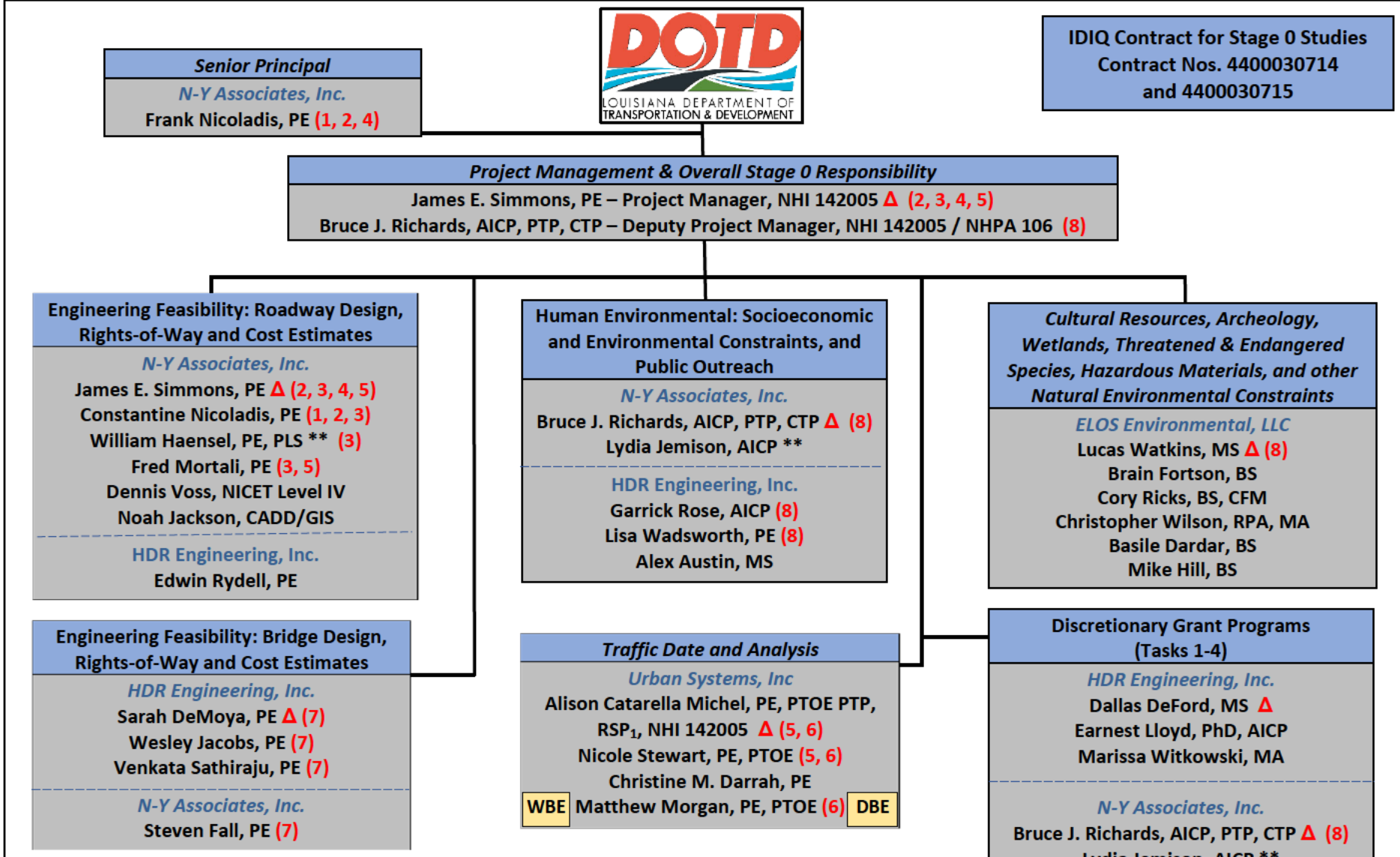
    The only disciplines to be used are listed in the drop down in each row (Appraiser, Bridge, CE&I/OV, CPM, Data Collection, Environmental, Geotech, ITS, Other (must specify), Planning, Right-of-Way, Road, Survey, and Traffic). **Remove rows as needed.**

Discipline(s)	% of Overall Contract	N-Y Associates, Inc. (Prime)	HDR Engineering, Inc.	ELOS Environmental, LLC	Urban Systems, Inc	Each Discipline must total to 100%
Planning	*40%*	*75%*	*25%*			**100%**
Traffic	*20%*				*100%*	**100%**
Road	*25%*	*80%*	*20%*			**100%**
Bridge	*10%*		*100%*			**100%**
Environmental	*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%***	*50%*	*25%*	*5%*	*20%*	

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
	Planner	2	2
	Accountant	1	1
	Technician	1	1
	CADD Technician	2	2
HDR	Principal	1	10
	Supervisor - Eng	2	46
	Engineer	3	15
	Planner	3	17
	Economist	2	16
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
	Inspector - Lead	1	4
	Clerical	2	2
URBAN SYSTEMS inc. USI	Supervisor - Eng	2	2
	Engineer	2	3
	Engineer Intern	1	3
	CADD Drafter	1	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.**



Δ Task Lead
( ) Minimum Personnel Requirement (MPR) Reference Number
** Part-time/Contract Employee

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	▪ James Simmons, PE * ; ** ▪ Frank Nicoladis, PE ▪ Constantine Nicoladis, PE	▪ N-Y Associates, Inc. ▪ N-Y Associates, Inc. ▪ N-Y Associates, Inc.	▪ PE No. 19891 – Civil ▪ PE No. 5924 – Civil ▪ PE No. 27095 – Civil	▪ LA ▪ LA ▪ LA	▪ 09/30/2025 ▪ 03/31/2027 ▪ 09/30/2025
3	▪ James Simmons, PE * ; ** ▪ Constantine Nicoladis, PE ▪ William Haensel, PE ▪ Fred Mortali, PE *	▪ N-Y Associates, Inc. ▪ N-Y Associates, Inc. ▪ N-Y Associates, Inc. ▪ N-Y Associates, Inc.	▪ PE No. 19891 – Civil ▪ PE No. 27095 – Civil ▪ PE No. 13375 – Civil ▪ PE No. 35111 – Civil	▪ LA ▪ LA ▪ LA ▪ LA	▪ 09/30/2025 ▪ 09/30/2025 ▪ 03/31/2026 ▪ 03/31/2026
4	▪ James Simmons, PE * ; ** ▪ Frank Nicoladis, PE	▪ N-Y Associates, Inc. ▪ N-Y Associates, Inc.	▪ PE No. 19891 – Civil ▪ PE No. 5924 – Civil	▪ LA ▪ LA	▪ 09/30/2025 ▪ 03/31/2027
5	▪ James Simmons, PE * ; ** ▪ Fred Mortali, PE *	▪ N-Y Associates, Inc. ▪ N-Y Associates, Inc.	▪ PE No. 19891 – Civil ▪ PE No. 35111 – Civil	▪ LA ▪ LA	▪ 09/30/2025 ▪ 03/31/2026
6	▪ Alison Catarella Michel, PE, PTOE * ▪ Nicole Stewart, PE, PTOE * ▪ Matthew Morgan, PE, PTOE	▪ Urban Systems, Inc ▪ Urban Systems, Inc ▪ Urban Systems, Inc	▪ PE No. 30261 – Civil PTOE No. 1023 ▪ PE No. 34750 – Civil PTOE No. 2923 ▪ PE No. 47060 – Civil PTOE No. 5893	▪ LA LA ▪ LA LA ▪ LA LA	▪ 03/31/2027 11/06/2026 ▪ 09/30/2025 08/14/2027 ▪ 03/31/2027 03/19/2028
7	▪ Steven Fall, PE ▪ Sarah DeMoya, PE ▪ Wesley Jacobs, PE ▪ Venkata Sathiraju, PE	▪ N-Y Associates, Inc. ▪ HDR Engineering, Inc. ▪ HDR Engineering, Inc. ▪ HDR Engineering, Inc.	▪ PE No. 23634 – Civil ▪ PE No. 38011 – Civil ▪ PE No. 30774 – Civil ▪ PE No. 48436 – Civil	▪ LA ▪ LA ▪ LA ▪ LA	▪ 03/31/2026 ▪ 03/31/2027 ▪ 09/30/2026 ▪ 03/21/2026
8	▪ Bruce J. Richards, AICP, PTP, CTP ** ▪ Lucas Watkins, MS ** ▪ Garrick Rose, AICP ** ▪ Lisa Wadsworth, PE **	▪ N-Y Associates, Inc. ▪ ELOS Environmental, LLC ▪ HDR Engineering, Inc. ▪ HDR Engineering, Inc.	▪ AICP No. 126106 PTP No. 643 ▪ USCOE Wetland ▪ AICP No. 016085 ▪ PE No. 31504 – Environmental	▪ N/A N/A ▪ N/A ▪ N/A ▪ LA	▪ N/A N/A ▪ N/A ▪ N/A ▪ 03/31/2027

* 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 / Roadway & Bridge Design / Meets MPR Nos. 2, 3, 4, & 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). ***Mr. Simmons provided Geometric Layouts, Roadway / Drainage Design, Bridge Design, Rights-of-Way and/or Cost Estimates for each project listed below.***
03/25 – 12/25	**Stage 0 Feasibility Study, Firetower Road/LA 445 Corridor Study; Tangipahoa Parish, LA:** The purpose of this study is to determine the high level costs, feasibility and potential environmental concerns of two (2) projects in the Bedico area of Tangipahoa Parish: a new Interchange at Firetower Road and I-12 and potential improvements to the existing I-12 Interchange at LA Hwy 445.
09/12 – 01/15	**Stage 0 Feasibility Study, LA 339 Widening; Lafayette Parish, LA:** Feasibility of widening LA Highway 339 (Verot School Road) from Ambassador Caffery Parkway (LA 3073) to Chemin Agreable Road (LA 82/LA 734). The project also addressed the LADOTD Complete Streets Policy, and the conceptual design included sidewalks and shared use bike/pedestrian paths.
07/12 – 10/14	**Stage 0 Feasibility Study, LA 182 Widening, I-49 to W. Pont des Moutons Road; Lafayette Parish, LA:** Feasibility of widening LA Highway 182 (North University Avenue) from West Pont des Mouton Road to I-49. The project also addressed the LADOTD Complete Streets Policy, and the conceptual design included new sidewalks and new 8 ft. paved shoulders, suitable for bicycle use.
03/13 – 04/14	**Stage 0 Feasibility Study, LA 156 Roadway Improvements, Calvin to US 167; Winn Parish, LA:** This Stage 0 Study examined the feasibility of making safety improvements to LA Highway 156 from Calvin, LA to the intersection of US 167 in Winn Parish. Proposed improvements included operational improvements, such as signage, and physical improvements, such as straightening of curves.
12/12 – 03/14	**Stage 0 Feasibility Study, LA 378 Improvements, I-10 Ramps (Westlake) to LA 378 (Moss Bluff); Calcasieu Parish, LA:** Feasibility of making improvements and adding capacity to LA Highway 378 from the I-10 ramps in the Town of Westlake to the LA 378 Spur in the community of Moss Bluff. Proposed improvements include possible operational improvements to the five-lane section and widening the two-lane section to a four-lane divided section. This study included Complete Streets as part of the conceptual design and included a 10 ft. wide shared use path for bicyclists and pedestrians.
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.
01/12 – 06/12	**Stage 0 Feasibility Study, Hooper Road (LA 408) Widening, Sullivan Road (LA 3034) to Greenwell Springs Road (LA 37/64); East Baton Rouge Parish, LA:** This Stage 0 study examined the feasibility of widening this section, and included alternatives development and evaluation, a traffic impact study, cost estimates, and an environmental inventory.
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.

03/08 – 11/09	**Stage 0 Feasibility Study, LA 427 Perkins Road (Siegen Lane to Highland Road); East Baton Rouge Parish, LA:** Feasibility of (and possible impacts arising from) the widening of the road from 2 lanes to 4 lanes. This study included development of alternatives and alternative analyses, preliminary roadway plans, a traffic impact study, cost estimates, an environmental inventory, and a public participation program.
02/05 – 08/05	**Stage 0 Feasibility Study and Environmental Inventory for Earhart Expressway Connector Ramps to Airline Drive and Jefferson Highway, Route LA 3139; Jefferson Parish, LA:** Feasibility Study (including Line and Grade) and Environmental Inventory for proposed connector ramps along the Earhart Expressway (LA 3139) near the Jefferson/Orleans Parish line. The Environmental Inventory identified and mapped all major environmental concerns, issues and sites within the project study area. The Feasibility Study included plans, profiles and cost estimates for ramp alignment alternatives which were evaluated and screened on the basis of traffic analysis and engineering geometry.
08/11 – 12/25	**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.
06/18 – 12/23	**Comite River Diversion Project – US Highway 61 Highway Bridges and Bypass Road; East Baton Rouge Parish, LA:** Design for new northbound and southbound bridges for the US Highway 61 crossing. The northbound and southbound bridges each have a five (5) span precast prestressed girder and concrete deck, including bridge abutments, bents, superstructure and sub-structure with a 30-foot scour requirement. This project also included design for 1.2 miles of US 61 Bypass Road and drainage and the relocation of a 2700 LF segment of Barnett Road. All work was performed to LADOTD standards and was reviewed by the LADOTD.
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 intersection improvements to US 51. The preferred alternative includes a complete streets cross-section design which includes addition of a new median, new bicycle lanes buffered from travel lanes, and new sidewalks for pedestrians.
09/16 – 12/20	**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 portion will also address the LADOTD complete Streets policy and should add pedestrian and bicycle facilities.
05/99 – 04/09	**LA 1088 Interchange, Route Interstate 12; St. Tammany Parish, LA:** Geometric Design Study, Stage 1 Environmental Assessment, and Preliminary and Final Roadway and Bridge Plans for adding a fully directional interchange to Interstate 12 at LA 1088. This project also included an Interchange Access Request (IAR) report. The new 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; New westbound, 446 LF 2-lane bridge using AASHTO Type IV precast, pre-stressed concrete girders; Drainage design includes up to 60" dia. pipes.; Widening of existing LA 1088 both North and South of the interchange.
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	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		Deputy Project Manager and Transportation Planner: Stage 0 Studies and Environmental Checklist / Meets MPR No. 8		

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.***
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12/12 – 03/14	**Stage 0 Feasibility Study, LA 378 Improvements, I-10 Ramps (Westlake) to LA 378 (Moss Bluff); Calcasieu Parish, LA:** Feasibility of making improvements and adding capacity to LA Highway 378 from the I-10 ramps in the Town of Westlake to the LA 378 Spur in the community of Moss Bluff. Proposed improvements include possible operational improvements to the five-lane section and widening the two-lane section to a four-lane divided section. This study included Complete Streets as part of the conceptual design and included a 10 ft. wide shared use path for bicyclists and pedestrians.
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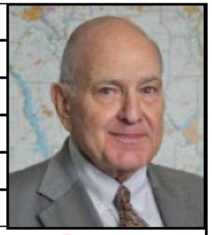
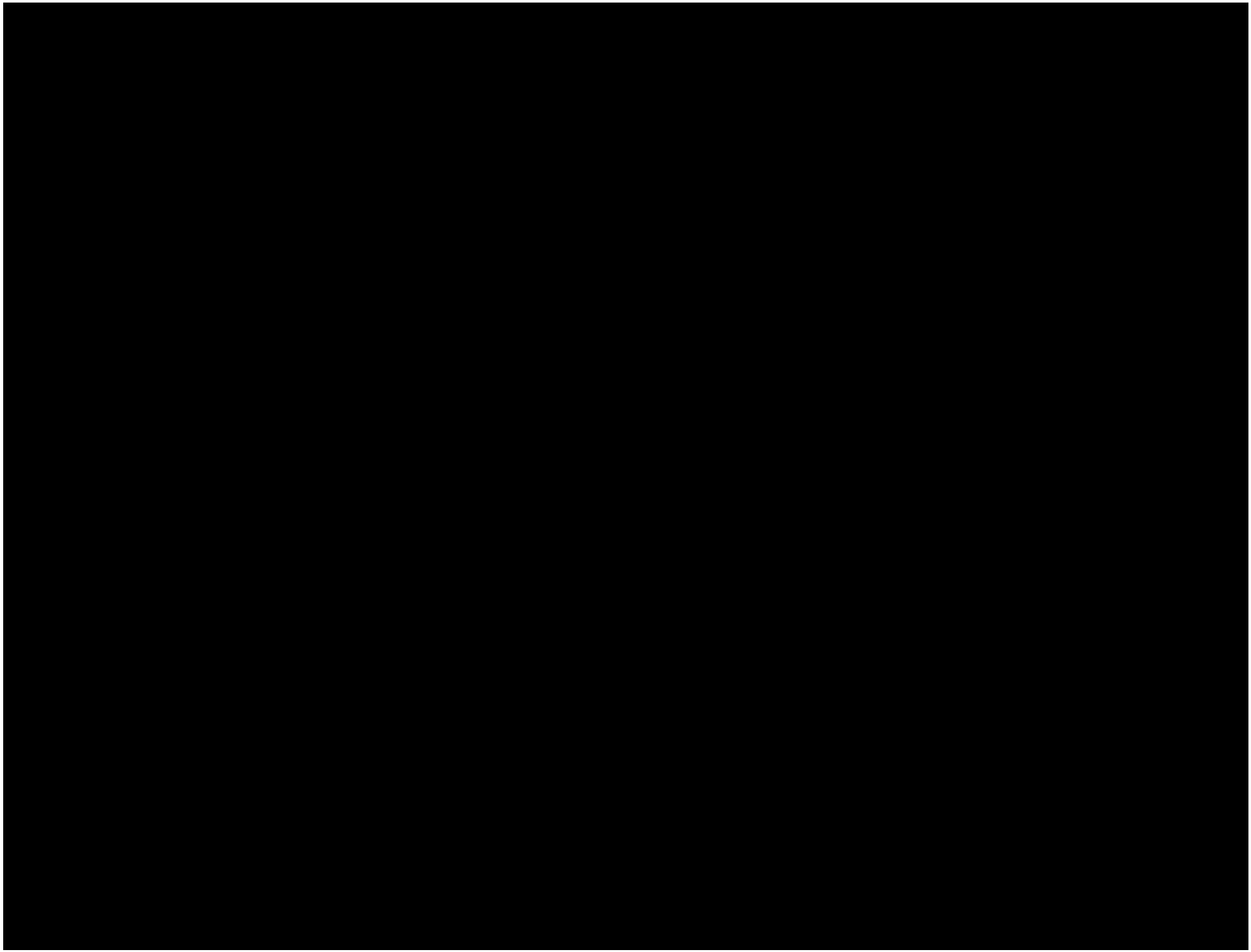
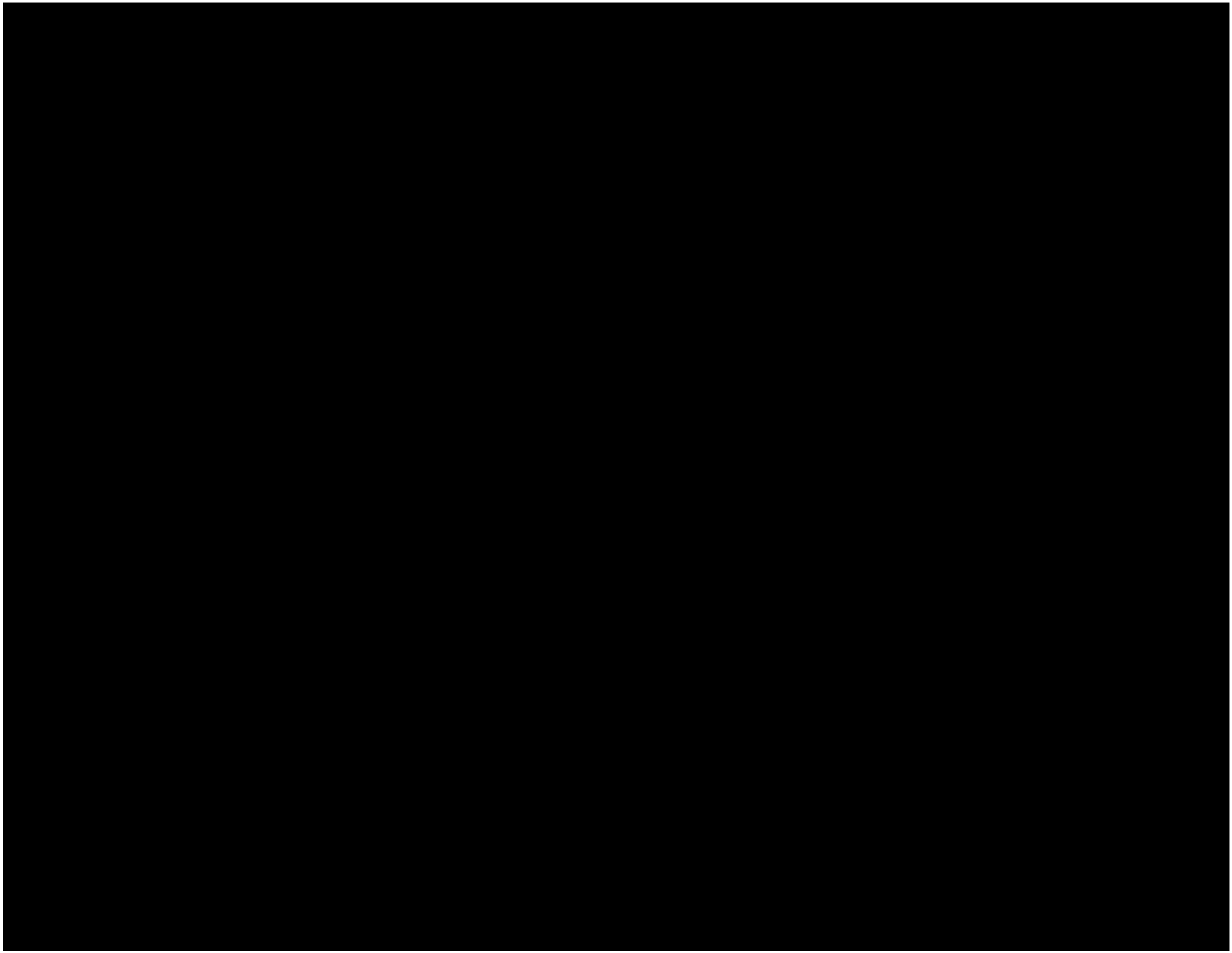
03/08 – 11/09	**Stage 0 Feasibility Study, LA 427 Perkins Road (Siegen Lane to Highland Road); East Baton Rouge Parish, LA:** Feasibility of (and possible impacts arising from) the widening of the road from 2 lanes to 4 lanes. This study included development of alternatives and alternative analyses, preliminary roadway plans, a traffic impact study, cost estimates, an environmental inventory, and a public participation program.
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.
02/05 – 08/05	**Stage 0 Feasibility Study and Environmental Inventory for Earhart Expressway Connector Ramps to Airline Drive and Jefferson Highway, Route LA 3139; Jefferson Parish, LA:** Feasibility Study (including Line and Grade) and Environmental Inventory for proposed connector ramps along the Earhart Expressway (LA 3139) near the Jefferson/Orleans Parish line. The Environmental Inventory identified and mapped all major environmental concerns, issues and sites within the project study area. The Feasibility Study included plans, profiles and cost estimates for ramp alignment alternatives which were evaluated and screened on the basis of traffic analysis and engineering geometry.
09/24 – 12/25	**St. Tammany Parish Comprehensive Pedestrian and Bicycle Master Plan; St. Tammany Parish, LA:** St. Tammany Parish Comprehensive Pedestrian and Bicycle Plan is addressing the existing deficiencies and assessing further expansion of walking and bicycling infrastructure to make the Parish a safer place for these activities.
05/23 – 06/24	**Establishment of an Overlay Zone, Development Standards, and Capital Improvement Recommendations to Improve US Hwy 90 Corridor; St. Charles Parish, LA:** The overlay zone and development standards are being used to guide future development and encourage beautification through improved site, building, and landscaping design, and pedestrian and vehicle safety through improved access and traffic circulation. N-Y provided preliminary recommendations for capital improvements for an approximately 4-mile portion of US Highway 90 within the areas of Luling and Boutte including landscaping, complete streets, access management (both median and curbside), street lighting, and drainage improvements.
05/99 – 04/09	**LA 1088 Interchange, Route Interstate 12; St. Tammany Parish, LA:** Geometric Design Study, Stage 1 Environmental Assessment, and Preliminary and Final Roadway and Bridge Plans for adding a fully directional interchange to Interstate 12 at LA 1088. This project also included an Interchange Access Request (IAR) report. The new 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; New westbound, 446 LF 2-lane bridge using AASHTO Type IV precast, pre-stressed concrete girders; Drainage design includes up to 60" dia. pipes.; Widening of existing LA 1088 both North and South of the interchange.
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 improvements and extension of Hooper Road (LA 408). The project also addressed the LADOTD Complete Streets Policy, and the preferred alternative conceptual design included new sidewalks and 8 ft. wide shoulders suitable for bicycling on the widened portion of Hooper Road.
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 intersection improvements to US 51. The preferred alternative includes a complete streets cross-section design which includes addition of a new median, new bicycle lanes buffered from travel lanes, and new sidewalks for pedestrians.
09/16 – 12/20	**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 from its current terminus at LA 1065 (North Cherry Street) to Hammond Northshore Regional Airport, thus providing a direct link for vehicular and truck traffic to transit between the Airport and Interstate 55. The extended roadway portion will also address the LADOTD complete Streets policy and should add pedestrian and bicycle facilities.
08/11 – 10/14	**LA Highway 23 (Happy Jack to N. Port Sulphur) Environmental Assessment; Plaquemines Parish, LA:** An Environmental Assessment to explore the conversion of a 3.8 mile segment of LA 23 from two-lanes to four-lanes. The EA included the development, refinement, and analysis of alternatives, conceptual roadway and drainage plans, cost estimates and an analysis of likely impacts.

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, 2, & 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. Nicoladis provided Project Oversight including Quality Assurance for each project listed below.***
03/25 – 12/25	**Stage 0 Feasibility Study, Firetower Road/LA 445 Corridor Study; Tangipahoa Parish, LA:** The purpose of this study is to determine the high level costs, feasibility and potential environmental concerns of two (2) projects in the Bedico area of Tangipahoa Parish: a new Interchange at Firetower Road and I-12 and potential improvements to the existing I-12 Interchange at LA Hwy 445.
09/12 – 01/15	**Stage 0 Feasibility Study, LA 339 Widening; Lafayette Parish, LA:** Feasibility of widening LA Highway 339 (Verot School Road) from Ambassador Caffery Parkway (LA 3073) to Chemin Agreable Road (LA 82/LA 734). The project also addressed the LADOTD Complete Streets Policy, and the conceptual design included sidewalks and shared use bike/pedestrian paths.
07/12 – 10/14	**Stage 0 Feasibility Study, LA 182 Widening, I-49 to W. Pont des Moutons Road; Lafayette Parish, LA:** Feasibility of widening LA Highway 182 (North University Avenue) from West Pont des Mouton Road to I-49. The project also addressed the LADOTD Complete Streets Policy, and the conceptual design included new sidewalks and new 8 ft. paved shoulders, suitable for bicycle use.
03/13 – 04/14	**Stage 0 Feasibility Study, LA 156 Roadway Improvements, Calvin to US 167; Winn Parish, LA:** This Stage 0 Study examined the feasibility of making safety improvements to LA Highway 156 from Calvin, LA to the intersection of US 167 in Winn Parish. Proposed improvements included operational improvements, such as signage, and physical improvements, such as straightening of curves.
12/12 – 03/14	**Stage 0 Feasibility Study, LA 378 Improvements, I-10 Ramps (Westlake) to LA 378 (Moss Bluff); Calcasieu Parish, LA:** Feasibility of making improvements and adding capacity to LA Highway 378 from the I-10 ramps in the Town of Westlake to the LA 378 Spur in the community of Moss Bluff. Proposed improvements include possible operational improvements to the five-lane section and widening the two-lane section to a four-lane divided section. This study included Complete Streets as part of the conceptual design and included a 10 ft. wide shared use path for bicyclists and pedestrians.
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.
01/12 – 06/12	**Stage 0 Feasibility Study, Hooper Road (LA 408) Widening, Sullivan Road (LA 3034) to Greenwell Springs Road (LA 37/64); East Baton Rouge Parish, LA:** This Stage 0 study examined the feasibility of widening this section, and included alternatives development and evaluation, a traffic impact study, cost estimates, and an environmental inventory.
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.

03/08 – 11/09	**Stage 0 Feasibility Study, LA 427 Perkins Road (Siegen Lane to Highland Road); East Baton Rouge Parish, LA:** Feasibility of (and possible impacts arising from) the widening of the road from 2 lanes to 4 lanes. This study included development of alternatives and alternative analyses, preliminary roadway plans, a traffic impact study, cost estimates, an environmental inventory, and a public participation program.
02/05 – 08/05	**Stage 0 Feasibility Study and Environmental Inventory for Earhart Expressway Connector Ramps to Airline Drive and Jefferson Highway, Route LA 3139; Jefferson Parish, LA:** Feasibility Study (including Line and Grade) and Environmental Inventory for proposed connector ramps along the Earhart Expressway (LA 3139) near the Jefferson/Orleans Parish line. The Environmental Inventory identified and mapped all major environmental concerns, issues and sites within the project study area. The Feasibility Study included plans, profiles and cost estimates for ramp alignment alternatives which were evaluated and screened on the basis of traffic analysis and engineering geometry.
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 improvements and extension of Hooper Road (LA 408). The project also addressed the LADOTD Complete Streets Policy, and the preferred alternative conceptual design included new sidewalks and 8 ft. wide shoulders suitable for bicycling on the widened portion of Hooper Road.
05/99 – 04/09	**LA 1088 Interchange, Route Interstate 12; St. Tammany Parish, LA:** Geometric Design Study, Stage 1 Environmental Assessment, and Preliminary and Final Roadway and Bridge Plans for adding a fully directional interchange to Interstate 12 at LA 1088. This project also included an Interchange Access Request (IAR) report. The new 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; New westbound, 446 LF 2-lane bridge using AASHTO Type IV precast, pre-stressed concrete girders; Drainage design includes up to 60" dia. pipes.; Widening of existing LA 1088 both North and South of the interchange.
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 intersection improvements to US 51. The preferred alternative includes a complete streets cross-section design which includes addition of a new median, new bicycle lanes buffered from travel lanes, and new sidewalks for pedestrians.
09/16 – 12/20	**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. The project will improve east-west connectivity through Hammond by extending LA 3234 (East University Avenue) from its current terminus at LA 1065 (North Cherry Street) to Hammond Northshore Regional Airport, thus providing a direct link for vehicular and truck traffic to transit between the Airport and Interstate 55. The extended roadway portion will also address the LADOTD complete Streets policy and should add pedestrian and bicycle facilities.
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	Lydia Jemison, AICP	Years of relevant experience with this employer	22	
Title	Transportation Planner	Years of relevant experience with other employer(s)	25	
Degree(s) / Years / Specialization		Master of City Planning/1989/Planning		
Active registration number / state / expiration date		AICP No. 016414; CFM No. US-11-05811		
Year registered	1999	Discipline	American Institute of Certified Planners	
Contract role(s) / brief description of responsibilities		Transportation Planner: Stage 0 Feasibility Study and Environmental Checklist		

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. Jemison provided Transportation Planning, Feasibility and Environmental Services for each project listed below.***
03/25 – 12/25	**Stage 0 Feasibility Study, Firetower Road/LA 445 Corridor Study; Tangipahoa Parish, LA:** The purpose of this study is to determine the high level costs, feasibility and potential environmental concerns of two (2) projects in the Bedico area of Tangipahoa Parish: a new Interchange at Firetower Road and I-12 and potential improvements to the existing I-12 Interchange at LA Hwy 445.
09/12 – 01/15	**Stage 0 Feasibility Study, LA 339 Widening; Lafayette Parish, LA:** Feasibility of widening LA Highway 339 (Verot School Road) from Ambassador Caffery Parkway (LA 3073) to Chemin Agreable Road (LA 82/LA 734). The project also addressed the LADOTD Complete Streets Policy, and the conceptual design included sidewalks and shared use bike/pedestrian paths.
07/12 – 10/14	**Stage 0 Feasibility Study, LA 182 Widening, I-49 to W. Pont des Moutons Road; Lafayette Parish, LA:** Feasibility of widening LA Highway 182 (North University Avenue) from West Pont des Mouton Road to I-49. The project also addressed the LADOTD Complete Streets Policy, and the conceptual design included new sidewalks and new 8 ft. paved shoulders, suitable for bicycle use.
12/12 – 03/14	**Stage 0 Feasibility Study, LA 378 Improvements, I-10 Ramps (Westlake) to LA 378 (Moss Bluff); Calcasieu Parish, LA:** Feasibility of making improvements and adding capacity to LA Highway 378 from the I-10 ramps in the Town of Westlake to the LA 378 Spur in the community of Moss Bluff. Proposed improvements include possible operational improvements to the five-lane section and widening the two-lane section to a four-lane divided section. This study included Complete Streets as part of the conceptual design and included a 10 ft. wide shared use path for bicyclists and pedestrians.
09/24 – 12/25	**St. Tammany Parish Comprehensive Pedestrian and Bicycle Master Plan; St. Tammany Parish, LA:** St. Tammany Parish Comprehensive Pedestrian and Bicycle Plan is addressing the existing deficiencies and assessing further expansion of walking and bicycling infrastructure to make the Parish a safer place for these activities.
05/23 – 06/24	**Establishment of an Overlay Zone, Development Standards, and Capital Improvement Recommendations to Improve US Hwy 90 Corridor; St. Charles Parish, LA:** The overlay zone and development standards are being used to guide future development and encourage beautification through improved site, building, and landscaping design, and pedestrian and vehicle safety through improved access and traffic circulation. N-Y provided preliminary recommendations for capital improvements for an approximately 4-mile portion of US Highway 90 within the areas of Luling and Boutte including landscaping, complete streets, access management (both median and curbside), street lighting, and drainage improvements.
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 intersection improvements to US 51. The preferred alternative includes a complete streets cross-section design 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 improvements and extension of Hooper Road (LA 408). The project also addressed the LADOTD Complete Streets Policy, and the preferred alternative conceptual design included new sidewalks and 8 ft. wide shoulders suitable for bicycling on the widened portion of Hooper Road.
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/ Drainage Design: Geometric Layouts, Rights-of-Way, and Cost Estimates / Meets MPR Nos. 1, 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. Nicoladis provided Geometric Layouts, Rights-of-Way and Cost Estimates for each project listed below.***
03/25 – 12/25	**Stage 0 Feasibility Study, Firetower Road/LA 445 Corridor Study; Tangipahoa Parish, LA:** The purpose of this study is to determine the high level costs, feasibility and potential environmental concerns of two (2) projects in the Bedico area of Tangipahoa Parish: a new Interchange at Firetower Road and I-12 and potential improvements to the existing I-12 Interchange at LA Hwy 445.
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.
02/05 – 08/05	**Stage 0 Feasibility Study and Environmental Inventory for Earhart Expressway Connector Ramps to Airline Drive and Jefferson Highway, Route LA 3139; Jefferson Parish, LA:** Feasibility Study (including Line and Grade) and Environmental Inventory for proposed connector ramps along the Earhart Expressway (LA 3139) near the Jefferson/Orleans Parish line. The Environmental Inventory identified and mapped all major environmental concerns, issues and sites within the project study area. The Feasibility Study included plans, profiles and cost estimates for ramp alignment alternatives which were evaluated and screened on the basis of traffic analysis and engineering geometry.
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 included the reconstruction of approx. 700 LF of eastbound & westbound W. Esplanade Avenue. This project was designed using LADOTD standards.
09/10 – 12/16	**Veterans Administration Medical Center (VAMC) and University Medical Center (UMC) Infrastructure Improvements; New Orleans, LA:** 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.
06/08 – 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 is CIPP Lining of 2,550 LF of 8" sewer mains and 2,000 LF of 6" sewer house connections.
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.
06/09 – 12/11	**Maplewood/Pailet Subdivision Infrastructure Improvements; Jefferson Parish, LA:** CDBG funded street and subsurface drainage improvements in the Maplewood/Pailet Subdivision.
06/09 – 06/12	**Bunche Village Subdivision Infrastructure Improvements; Jefferson Parish, LA:** CDBG funded street and subsurface drainage improvements in the Bunche Village Subdivision.
06/19 – 11/24	**Waterline Replacement Program for the French Quarter and CBD; New Orleans, LA:** Utility replacement and roadway reconstruction for 3 blocks of Decatur Street and 1 block of St. Peter Street including replacement of 1471 LF of existing 24" waterline including gate valves and valve boxes, new service connections and new fire hydrants.

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/ Drainage Design: Geometric Layouts, Rights-of-Way, and Cost Estimates / Meets MPR Nos. 3 & 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). ***Mr. Mortali provided Geometric Layouts, Rights-of-Way and Cost Estimates for each project listed below.***
03/25 – 12/25	**Stage 0 Feasibility Study, Firetower Road/LA 445 Corridor Study; Tangipahoa Parish, LA:** The purpose of this study is to determine the high level costs, feasibility and potential environmental concerns of two (2) projects in the Bedico area of Tangipahoa Parish: a new Interchange at Firetower Road and I-12 and potential improvements to the existing I-12 Interchange at LA Hwy 445.
01/18 – 12/25.	**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.
06/16 – 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 included the reconstruction of approx. 700 LF of eastbound and westbound W. Esplanade Avenue. This project was designed using LADOTD standards.
03/20 – 10/22	**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 which include two, 11' travel lanes and 8' shoulders/bicycle lanes meeting East Baton Rouge's Complete Streets requirements.
06/18 – 12/21	**Comite River Diversion Project – US Highway 61 Bypass Road and Barnett Road Relocation; East Baton Rouge Parish, LA:** Design for 1.2 miles of US 61 bypass road and drainage and the relocation of a 2700 LF segment of Barnett Road. All work is being performed to LADOTD standards and is being reviewed by the LADOTD.
06/19 – 11/24	**Waterline Replacement Program for the French Quarter and CBD; New Orleans, LA:** Utility replacement and roadway reconstruction for 3 blocks of Decatur Street and 1 block of St. Peter Street including replacement of 1471 LF of existing 24" waterline including gate valves and valve boxes, new service connections and new fire hydrants.
06/15 – 12/18	**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.
06/10 – 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.
06/16 – 12/17	**1077/1085 Drainage Study; St. Tammany Parish, LA:** Hydraulic Modeling of existing conditions and proposed improvements utilizing the HEC-RAS Program of the following tributaries in the western area of St. Tammany Parish: East Bedico Creek, Tributary #3, Fox Run, Soap and Tallow Creek, and Black River. The proposed improvements will alleviate overland flooding and include enlarged culverts and bridge crossings and new detention ponds.
06/14 – 12/16	**Veterans Administration Medical Center (VAMC) and University Medical Center (UMC) Infrastructure Improvements; New Orleans, LA:** 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.
06/14 – 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.

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			Roadway/ Drainage Design: Geometric Layouts, Rights-of-Way, and Cost Estimates / 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. Haensel provided Geometric Layouts, Rights-of-Way and Cost Estimates for each project listed below.***
01/22 – 12/25 est.	**Replacement of Rural Bridges, LADOTD Districts 08, 58 and 05; Winn, Grant, Natchitoches, Rapides, Vernon, Catahoula, Caldwell, Franklin and Jackson Parishes, LA:** H&H Modeling utilizing use of LADOTD HYDRWIN software as well as the USACE HEC-RAS and design for the replacement of fifteen (15) rural bridges crossing creeks and bayous on the State Highway System in LADOTD Districts 08, 58 and 05. Pre-cast concrete box culvert alternatives are 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. 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:** The LPV-111 Access Bridge is a contractor design that was erected for the LPV ARM-09 armoring and levee enlargement project in eastern Orleans Parish in 2018 using existing abutments. The contractor installed intermediate steel pile bents, to create a 4-span (35'-16'-16'-35') bridge, with a steel framing superstructure and timber matting for the decking. Since that time, the timber matting has deteriorated, and the bridge has been closed to vehicular access. N-Y assessed the steel superstructure and steel pile bents and prepared two alternatives for a new deck and repairs for a HS-20 design load necessary for future levee lifts. N-Y is preparing design plans and specifications for the selected alternative.
	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.
06/95 – 06/06	**West Napoleon Avenue Corridor: Design and Program Management; Jefferson Parish, LA:** Program management services for a 5-mile urban aerial roadway which included a major drainage canal in an urbanized area. Coordinated the design and surveying services of 5 engineering firms. Developed design standards, reviewed the design work, coordinated geotechnical investigations, assisted in reviewing contractor payment request, and reviewed reports of field tests. Total construction cost of corridor was $75M. **(S.P No. 742-07-42)**

Firm employed by	N-Y Associates, Inc.			
Name	Steven Fall, PE	Years of relevant experience with this employer	17	
Title	Civil/Structural Engineer	Years of relevant experience with other employer(s)	24	
Degree(s) / Years / Specialization		Master of Science/1989/Engineering Bachelor of Science/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: Geometric Layouts, Rights-of-Way, and Cost Estimates / Meets MPR No. 7		

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 Geometric Layouts, Rights-of-Way and Cost Estimates for each project listed below.***
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).
06/18 – 12/23	**Comite River Diversion Project – US Highway 61 Railway Bridges; East Baton Rouge Parish, LA:** Design for new north bound and south bound bridges for the US Highway 61 crossing. The northbound and southbound bridges each have a five (5) span precast prestressed girder and concrete deck, including bridge abutments, bents, superstructure and sub-structure with a 30 foot scour requirement. All work was performed to LADOTD standards and was reviewed by the LADOTD.
11/19 – 12/22	**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.
06/12 – 09/14	**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.
06/99 – 04/10	**LA 1088 Interchange, Route I-12; St. Tammany Parish, LA:** The addition of a fully directional interchange to I-12 at LA 1088. The new 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; New 446 LF westbound 2-lane bridge using AASHTO Type IV precast, pre-stressed concrete girders.
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 the longest bridge 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.

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, Rights-of-Way and Cost Estimates for each project listed below.***
03/25 – 12/25	**Stage 0 Feasibility Study, Firetower Road/LA 445 Corridor Study; Tangipahoa Parish, LA:** The purpose of this study is to determine the high level costs, feasibility and potential environmental concerns of two (2) projects in the Bedico area of Tangipahoa Parish: a new Interchange at Firetower Road and I-12 and potential improvements to the existing I-12 Interchange at LA Hwy 445.
09/12 – 01/15	**Stage 0 Feasibility Study, LA 339 Widening; Lafayette Parish, LA:** Feasibility of widening LA Highway 339 (Verot School Road) from Ambassador Caffery Parkway (LA 3073) to Chemin Agreable Road (LA 82/LA 734). The project also addressed the LADOTD Complete Streets Policy, and the conceptual design included sidewalks and shared use bike/pedestrian paths.
03/13 – 04/14	**Stage 0 Feasibility Study, LA 156 Roadway Improvements, Calvin to US 167; Winn Parish, LA:** This Stage 0 Study examined the feasibility of making safety improvements to LA Highway 156 from Calvin, LA to the intersection of US 167 in Winn Parish. Proposed improvements included operational improvements, such as signage, and physical improvements, such as straightening of curves.
07/12 –- 10/14	**Stage 0 Feasibility Study, LA 182 Widening, I-49 to W. Pont des Moutons Road; Lafayette Parish, LA:** Feasibility of widening LA Highway 182 (North University Avenue) from West Pont des Mouton Road to I-49. The project also addressed the LADOTD Complete Streets Policy, and the conceptual design included new sidewalks and new 8 ft. paved shoulders, suitable for bicycle use.
12/12 – 03/14	**Stage 0 Feasibility Study, LA 378 Improvements, I-10 Ramps (Westlake) to LA 378 (Moss Bluff); Calcasieu Parish, LA:** Feasibility of making improvements and adding capacity to LA Highway 378 from the I-10 ramps in the Town of Westlake to the LA 378 Spur in the community of Moss Bluff. Proposed improvements include possible operational improvements to the five-lane section and widening the two-lane section to a four-lane divided section. This study included Complete Streets as part of the conceptual design and included a 10 ft. wide shared use path for bicyclists and pedestrians.
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.
01/12 – 06/12	**Stage 0 Feasibility Study, Hooper Road (LA 408) Widening, Sullivan Road (LA 3034) to Greenwell Springs Road (LA 37/64); East Baton Rouge Parish, LA:** This Stage 0 study examined the feasibility of widening this section, and included alternatives development and evaluation, a traffic impact study, cost estimates, and an environmental inventory.
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.
03/08 – 11/09	**Stage 0 Feasibility Study, LA 427 Perkins Road (Siegen Lane to Highland Road); East Baton Rouge Parish, LA:** Feasibility of (and possible impacts arising from) the widening of the road from 2 lanes to 4 lanes. This study included development of alternatives and alternative analyses, preliminary roadway plans, a traffic impact study, cost estimates, an environmental inventory, and a public participation program.

02/05 – 08/05	**Stage 0 Feasibility Study and Environmental Inventory for Earhart Expressway Connector Ramps to Airline Drive and Jefferson Highway, Route LA 3139; Jefferson Parish, LA:** Feasibility Study (including Line and Grade) and Environmental Inventory for proposed connector ramps along the Earhart Expressway (LA 3139) near the Jefferson/Orleans Parish line. The Environmental Inventory identified and mapped all major environmental concerns, issues and sites within the project study area. The Feasibility Study included plans, profiles and cost estimates for ramp alignment alternatives which were evaluated and screened on the basis of traffic analysis and engineering geometry.
08/11 – 12/25	**LA Highway 23 (Happy Jack to N. Port Sulphur) Environmental Assessment and Design; Plaquemines Parish, LA:** Environmental Assessment, Topographic Survey and Design for reconstructing an existing 3.8 mile segment of LA 23 from two-lanes to a four lane divided roadway with subsurface drainage and utility relocations. All work is being done to LADOTD standards.
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 included the reconstruction of approx. 700 LF of eastbound & westbound W. Esplanade Avenue. This project was designed using LADOTD standards.
06/18 – 12/23	**Comite River Diversion Project – US Highway 61 Highway Bridges and Bypass Road; East Baton Rouge Parish, LA:** Design for new northbound and southbound bridges for the US Highway 61 crossing. The northbound and southbound bridges each have a five (5) span precast prestressed girder and concrete deck, including bridge abutments, bents, superstructure and sub-structure with a 30-foot scour requirement. This project also included design for 1.2 miles of US 61 Bypass Road and drainage and the relocation of a 2700 LF segment of Barnett Road. All work was designed to LADOTD standards and was reviewed by the LADOTD.
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.
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 improvements and extension of Hooper Road (LA 408). The project also addressed the LADOTD Complete Streets Policy, and the preferred alternative conceptual design included new sidewalks and 8 ft. wide shoulders suitable for bicycling on the widened portion of Hooper Road.
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 intersection improvements to US 51. The preferred alternative includes a complete streets cross-section design which includes addition of a new median, new bicycle lanes buffered from travel lanes, and new sidewalks for pedestrians.
09/16 – 06/19 est.	**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. The project will improve east-west connectivity through Hammond by extending LA 3234 (East University Avenue) from its current terminus at LA 1065 (North Cherry Street) to Hammond Northshore Regional Airport, thus providing a direct link for vehicular and truck traffic to transit between the Airport and Interstate 55. The extended roadway portion will also address the LADOTD complete Streets policy and should add pedestrian and bicycle facilities.
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	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 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. Jackson provided Geometric Layouts and Engineering CADD for each project listed below.***
11/21 – 12/25 est.	**Replacement of 15 Rural Bridges, LADOTD Districts 08, 58 and 05; Winn, Grant, Natchitoches, Rapides, Vernon, Catahoula, Caldwell, Franklin and Jackson Parishes, LA:** H&H Modeling utilizing use of LADOTD HYDRWIN software as well as the USACE HEC-RAS and design for the replacement of fifteen (15) rural bridges crossing creeks and bayous on the State Highway System in LADOTD Districts 08, 58 and 05. Pre-cast concrete box culvert alternatives are 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. This project includes Preliminary and Final Bridge Plans and Bridge Load Rating Reports.
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).
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.
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.
06/20 – 06/25	**WSLP-114, Westshore Lake Pontchartrain Levees and Floodwalls; St. Charles and St. John the Baptist Parishes, LA:** 3000 LF of new levees and 1840 LF of new floodwalls (T-walls up to 20' high) to current HSDRSS criteria associated with the following 4 West Shore project Drainage Pumping Stations: Reserve Relief Canal Pump Station, I-55 Floodwall & Pump Station, Hope Canal Drainage Structure, and Prescott Canal Drainage Structure.
06/18 – 12/22	**Comite River Diversion Project – US 61 Highway Bridges; East Baton Rouge Parish, LA:** Design for new north bound and south bound bridges for the US Highway 61 crossing. The northbound and southbound bridges each have a five (5) span precast prestressed girder and concrete deck, including bridge abutments, bents, superstructure and sub-structure with a 30-foot scour requirement. All work was performed to **LADOTD standards** and was reviewed by the LADOTD.
06/20 – 06/25	**Comite River Diversion Project – Bayou Baton Rouge Rock Chute; East Baton Rouge Parish, LA:** A 12-mile-long channel running east-to-west between the Comite River and the Mississippi River approximately 15 miles north of Baton Rouge. The channel alignment crosses numerous existing highways, railroads, utility rights-of-way, and streams, including Bayou Baton Rouge where the drop structure will be constructed.
09/23 – 12/26	**Morganza to the Gulf of Mexico; Minors and Shell East Canal Floodgate Complex; Terrebonne Parish, LA:** Design of 56' wide and 125' wide barge gates including the design of temporary by-pass channels, tie in T-walls (both straight and PI monoliths), braced cofferdams, barge gate receiving structures (pile supported foundations and abutments), guide walls, pile protection clusters, and other associated work.

Firm employed by	**HDR Engineering, Inc.**			
Name	**Sarah De Moya, PE**	Years of relevant experience with this employer	**12**	
Title	**Bridge Group Team Lead**	Years of relevant experience with other employer(s)	**6**	
Degree(s) / Years / Specialization		**Bachelor of Science/2006/Civil Engineering** **Master of Science/2007/Structural Engineering**		
Active registration number / state / expiration date		**38011/LA/03-31-2027**		
Year registered	**2013**	Discipline	**Civil Engineering**	
Contract role(s) / brief description of responsibilities		**Sr. Bridge Advisor / Meets MPR No. 7**		

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).
	Sarah's experience includes structural design and analysis of bridges. She has experience in each stage of bridge design including preliminary planning, structural design, and construction phase services. She has also served as a design engineer for design-build and design-bid-build projects, signature bridges, bridge rehabilitations, bridge widenings, and military vehicle bridges.
11/22 – 07/23	**LADOTD, LA 577 Overpass Repair Over I-20 Phases 1 & 2; Waverly, LA:** *Engineer of Record.* Sarah developed demolition and rehabilitation plans, specifications and estimates to replace bridge span damaged by a truck. A portion of the existing bridge, including prestressed concrete beams, bridge railing and bridge deck were partially damaged. In Phase 1, the damaged bridge was load rated to determine if a portion of the bridge was safe to open to traffic. The bridge reopened to one lane of traffic while design for span replacement was on-going. Phase 2 design included AASHTO Type 3 girders designed using LEAP Bridge Concrete with modifications to existing substructure for additional girder due to phased construction. Design and LRFR load rating was in accordance with LaDOTD BDEM and Bridge Design Technical Memos and plans were developed using DOTD CadConform.
01/18 – 09/19	**City of Alvin, FM 528 Extension SH 6 to SH 35 Business; Alvin, TX:** *Bridge Lead Engineer.* Sarah oversaw the structural design calculations and plans for a new bypass route over a BNSF Railroad track. This two-lane rural bridge on new location was designed for future widening. Sarah led the design of prestressed concrete I-girders, concrete piers, and drilled shaft foundations. She also developed Exhibit A and located bridge piers outside of BNSF railroad ROW as well as the design of retaining walls and custom project aesthetics.
05/20 – Ongoing	**TxDOT Corpus Christi, Schematic, Environmental, PS&E for US77 Interstate Upgrade; Sinton, TX:** *Senior Bridge Engineer.* Sarah led bridge schematic development and final design for eight bridge replacements and six bridge rehabilitations. Sarah oversaw bridge condition assessments to determine which bridges could remain with minor rehabilitation to save money on the project. Sarah also developed a cost analysis of retaining wall vs. bridge limits to determine the most economical solution at new US77 mainlane overpass bridges at CR 1196.
06/19 – 12/20	**TxDOT Beaumont, Old US 90 at Baird's Bayou Bridge Replacement; Orange County, TX:** *Deputy Project Manager/Bridge Lead.* Sarah coordinated with TxDOT, subconsultants, and internal production team to progress design and deliver this project on a tight schedule. This project included environmental documentation, utility relocation, retaining walls, and end-on-end bridge demolition and construction due to existing bridge condition and difficult site access. This rural bridge included prestressed concrete pile trestle bents with slab beam superstructure.

Firm employed by	**HDR Engineering, Inc.**				
Name	**Wesley "Wes" Jacobs, PE**		Years of relevant experience with this employer	9	
Title	**Louisiana Transportation Business Group Manager**		Years of relevant experience with other employer(s)	17	
Degree(s) / Years / Specialization			**Bachelor of Science/1998/Civil Engineering**		
Active registration number / state / expiration date			**30774/LA/09-30-2026**		
Year registered	**2003**	Discipline	**Civil Engineering**		
Contract role(s) / brief description of responsibilities			**Sr. Bridge Advisor / Meets MPR No. 7**		

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).
	Wes has over 26 years of demonstrated expertise in several aspects of civil and structural design/ inspection, including bridges (high-level river crossings, movable bridges, railroad/roadway overpasses, rail bridges with common elements such as complex geometry, PPC girder, steel plate girder, curved steel plate girders, pier design/protection, cofferdams, column, and pile bent design), sign structures, floodwalls, sector gates, miter gates, and closure gates (highway/rail). Through this experience, he has gained a solid foundation of expertise pertaining to civil and structural design due to the complexity of the projects completed estimated construction cost totaling more than $10B. He is also trained in the maintenance and rehabilitation of historic bridges.
11/22 – 07/24	**LADOTD, LA 577 Overpass Repair Over I-20 Phases 1 & 2; Waverly, LA:** *Project Manager/Engineering Lead.* Wes led the design team for the demolition and replacement of the PPC AASHTO Girder bridge span that was struck by a dump truck. Phase 1 design consisted of the development of plans, specifications, and cost estimate (PS&E) for the phased demolition of the west side of the damaged span in order to get a single lane of traffic back open on the eastern half of the bridge (two undamaged girders). Phase 2 design involved the split phased design of a replacement span. The existing girders were AASHTO Type 3 (interior) and 4 (exterior). Load ratings were also completed for both phases. Engineering during construction was also completed in 2024.
01/10 – 08/11	**LADOTD, Chef Menteur Bridge Replacement EA, S.P. No. 700-36-0125; Orleans Parish, LA:** *Structural Lead.* Wes was responsible for the development of high level (75 ft vertical clearance) fixed bridge alternatives for the replacement of a historical swing span bridge in Orleans Parish. The span arrangements were comprised of PPC AASHTO Type 3 (80 ft), BT 78 (130 ft) approach spans with steel composite girders for the main span (200 ft and 270 ft). He developed conceptual designs for deep river concrete piers with water level footings supported by large diameter PPC cylinder piles.
11/19 – Ongoing	**LADOTD, Statewide Complex Bridge Inspection IDIQ; Statewide LA:** *HDR Project Manager and Engineering Lead* (Subconsultant). Wes led the main span inspections (field work and report preparation) of the Jackson Street Lift Bridge spanning the Red River and the lift bridge spanning Teche Bayou. The team performed structural, mechanical and electrical inspections of the towers, main span truss, substructure, and machinery using rope access and manlift methods for in-depth inspection techniques. Also completed over 25 routine inspections for various swing span bridges in three parishes.
06/03 – 05/05	**LADOTD, US 171 South Railroad Overpass; Mansfield, LA:** *Engineer of Record.* Wes was responsible for the final design that included twin bridge structures in concentric curves with bobtail and skewed spans crossing the KCS railroad main line for the TIMED program. Each bridge was approximately 700 ft long. The spans were comprised of precast prestressed concrete girders supported by precast prestressed concrete pile bent substructure.
02/02 – 10/03	**LADOTD, State Route in Columbia – Ouachita River Bridge Main Span; Columbia, LA:** *Project Engineer* for this $20 million project over the Ouachita River. Wes designed features of the main spans that included a three–span – 630–foot (center span of 250 feet) welded–composite steel plate girders, deep river pier design for barge impact (aesthetically tapered cap and columns, monolithic shaft wall, pile foundation, cofferdam, and tremie seal).

05/11 – 06/14	**USACE New Orleans, LPV 145 – Bayou Bienvenue Movable Swing Span Bridge Steel Swing Span (H-04-47839); New Orleans, LA:** *Project Manager and Engineering Lead.* Wes was responsible for the development of the preliminary design, final design, plans, specifications and engineering construction services for a 135 ft unequal arm steel swing span structure. The swing span is supported by a reinforced concrete pivot pier (designed with timber fender protection) with prestressed concrete pile foundations. The approach spans were comprised of concrete slab spans that tied into an existing limestone access road. The bridge was designed using LaDOTD Bridge Design Manual and AASHTO-LRFD specifications.
01/11 – 05/15	**TxDOT/LaDOTD, US 84 Sabine River Bridge; Logansport, LA:** *Engineer of Record.* Wes developed the final design, plans and specifications for two bridge structures (eastbound and westbound) using AASHTO-LRFD specifications. The bridges were comprised of the new Tx shapes (Tx62's and Tx70's). The span lengths ranged from 120 ft to 160 ft. The substructure was comprised of multi-column reinforced concrete bents with strutted columns at the main channel locations. The bents were supported by drilled shaft foundations. Although not a navigable channel at this location, the bridges were designed with adequate geometry to provide the necessary freeboard above the 100-year flood levels in addition to superelevation rotation on the eastbound structure.
01/09 – 03/10	**TxDOT Austin, SH195 – CR 228 Overpass; Williamson County, TX:** *Engineer of Record.* Wes was responsible for the design of twin bridge structures with skewed spans set in a horizontal curve. He designed the three–span continuous PPC units comprised of Type C prestressed concrete girders and reinforced concrete column bents supported by drilled shafts.
02/08 – 11/09	**City of Laredo, Calton Road – Union Pacific RR Overpass; Laredo, TX:** *Engineer of Record.* Wes developed the final designs, plans and specifications for this railroad overpass project using AASHTO-LRFD specifications. The bridge spans Union Pacific RR main lines and spur tracks. The bridge is comprised of steel welded-composite plate girders for a total length of 866 ft, reinforced concrete column bents and drilled shafts and provides the necessary horizontal and vertical clearance required by UPRR.
02/04 – 04/05	**TxDOT Waco, IH-35 Southbound Frontage Road Connector; Waco, TX:** *Engineer of Record.* Wes was responsible for the final design of this curved steel plate girder roadway overpass. The bridge was comprised of two continuous steel plate girder units, 360 feet and 420 feet, respectively. The spans were designed using AASHTO Standard Bridge specifications for Curved Girders as well as a straight girder case using AASHTO-LRFD specifications. Reinforced concrete hammer-head bents founded on drilled shaft foundations were used for the substructure. His responsibilities included design of the curved steel girder units as well as developing and sealing the girder details.
02/05 – 01/06	**TxDOT Houston, SH 35 Bridge Widening; Houston, TX:** *Engineer of Record.* Wes was responsible for the design modifications of three bridge widenings totaling more than 700 feet – Oyster Creek, Jamison Slough and Drainage Ditch Bridges (skewed spans). The design plans called for cast-in-place slab spans. Specifically, he designed and sealed the prestressed concrete slab panels, the continuity joints, bent modifications/drilled shaft foundations and developed the corresponding structural details.

Firm employed by	**HDR Engineering, Inc.**			
Name	**Venkata Sathiraju, PE**		Years of relevant experience with this employer	**1**
Title	**Bridge Engineer**		Years of relevant experience with other employer(s)	**6**
Degree(s) / Years / Specialization			**Master of Science/2019/Structural Engineering** **Bachelor of Technology/2016/Civil Engineering**	
Active registration number / state / expiration date			**48436/LA/03-31-2026**	
Year registered	**2023**	Discipline	**Civil Engineering**	
Contract role(s) / brief description of responsibilities			**Bridge Engineer / Meets MPR No. 7**	

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).
	Venkata has six years of experience in bridge design, inspection, and load rating. He completed his master's degree with a thesis focused on bridge design and handling of prestressed I beams. Various types of superstructure types he has worked on include – concrete bridge decks with Prestressed I girders and steel I girder, slab spans, vertical lift bridge with steel I girders.
07/24 – Ongoing	**TxDOT Houston, Seawolf Parkway at Pelican Island Channel Bridge Replacement, Galveston County, TX:** *Bridge Designer.* This project includes replacing the existing lift bridge with a new location fixed bridge with various prestressed girder types. Venkata has assisted in the preliminary design of spans using Tx40 and Tx70 girders and the preliminary abutment design. PG Super, CAP 18, and internally developed spreadsheets are used in performing the designs.
06/24 – Ongoing	**LaDOTD, Bridge Optimization Study; Statewide LA:** *Bridge Engineer.* As part of a retainer contract for bridge preservation with the LaDOTD, HDR is providing aids that our bridge design engineers will utilize to determine a preliminary optimal layout through analysis that incorporates various variables such as bridge super and substructure type, girder spacing, girder concrete strength, span length, super and substructure material costs, and project size/location. Venkata reviewed the analysis within this optimization tool and developed the unit price for the items used in the analysis with the help of cost estimating tools available on DOTD's website.
08/23 – 06/24	**Tennessee Department of Transportation, Complex and Standard Bridge Load Rating; Statewide TN:** *Bridge Inspector.* Venkata was part of the load rating team and performed ratings of approximately 15 bridges. Bridges included SR 311 over Candies Creek in Candies Creek, I-65 over SR 273 in Giles County, and I-81 over Pitt Rd in Greene County among others. Venkata utilized AASHTOWare BrR software to perform the load ratings. Bridge types included RC slab bridges, T-beam bridges, prestressed concrete I-beams, and prestressed concrete box beam bridges.
01/24 – 06/24	**Florida Department of Environmental Protection (DEP), US 1/SR 5 Tidal Restoration, Marathon, FL:** *Bridge Designer.* This project proposed culverts to be placed to restore the tidal flow between the Gulf of Mexico and Atlantic Ocean on US 1 close to Curry Hammock State Park. Venkata was responsible for the design, load rating, and plan production of the proposed culvert for 30% and 60% submissions.
04/23 – 12/23	**Florida DEP, Lover's Key State Park Rehabilitation, Myers Beach, FL:** *Bridge Designer.* Venkata is responsible for the design and plan production of a boardwalk replacement in Lover's Key State Park. He developed Mathcad files that are used in the design of various boardwalk elements involved in this project. AASHTO Design of Pedestrian Bridges and AASHTO Bridge Design Specifications are a few of the governing design specifications used for this project.
11/22 – 03/23	**LADOTD, Vertical Lift Bridge Rehabilitation; Perry, LA:** *Bridge Designer.* Venkata was involved in the design of a vertical lift bridge along with the approach spans in Vermillion Parish. He designed a reinforced concrete deck and steel stringers for the approach spans and has worked on portal modifications for the lift span. Venkata also checked the load rating calculations for the approach spans and vertical lift bridge. He also worked on the plan production process for the structural part of this multi-disciplinary project. The load rating calculations were performed using AASHTOWare BrR software and internally developed Excel spreadsheets. Venkata has assisted with quantity calculations during the 60% project submission.

11/20 – 09/22	**INDOT, Northsplit Reconstruction Project; Indianapolis, IN:** *Bridge Designer.* Venkata was involved in the design of superstructure and substructure elements for bridges on New York Street, E. Ohio Street, E. Michigan Street, and St. Clair Street, among the bridges in the south leg of the interchange. LEAP bridge concrete/RC Pier software was used in the design process. Bridge superstructure types included prestressed I beams. Substructure types included integral and semi-integral end bents along with multi column pier on piles. Venkata also worked on the design of the bridge widening between N. Alabama Street and N. Delaware Street of the west leg of the interchange. This bridge widening included a complicated flared geometry with two steel I girders being added throughout the bridge, with an additional girder added at an intermediate pier. Merlin Dash, AASHTOWare BrR, and RC Pier software was used in this bridge's design and load rating. Designs followed AASHTO Bridge Design Specifications and Indiana Design Manual guidelines. Venkata has also worked on quantity calculations for these bridges using internally developed spreadsheets and cost estimates using bid tabs.
02/20 – 03/20	**INDOT, SR 13 over Plunge Creek; Kosciusko County, IN:** *Bridge Designer.* Venkata was involved in the design of a multi-span continuous slab bridge on SR 13. His responsibilities included the design of RC slab and the design of substructure elements. Designs followed AASHTO Bridge Design Specifications and Indiana Design Manual guidelines.
08/19 – 06/20	**INDOT, I-69 Finish Line Project; Johnson County, IN:** *Bridge Designer.* As a part of this project, a new interchange was proposed where Old SR 37 (now I-69) meets SR 144. A total of six bridges were designed and are being constructed. The bridges are composed of prestressed girders. Integral end bents were used for the bridges. Venkata was involved in the design of beams, deck, and substructure units for these bridges. LEAP Bridge Concrete/RC Pier software was used in the design process. Designs followed AASHTO Bridge Design Specifications and Indiana Design Manual guidelines. Venkata also performed quantity calculations and cost estimates for the bridges within this project.
03/21 – 05/22	**INDOT, Terra Haute Trax Project; Terra Haute, IN:** *Bridge Designer.* At-grade railroad crossings are present at 8th Avenue and N. 13th Avenue. The project aims to replace these at-grade crossings with either a bridge at each crossing or one with two roundabouts to access 8th Avenue and N 13th Avenue. Due to the relatively large skew at which railroad tracks intersect the 8th Avenue and N. 13th Avenue at the project location, the latter was selected and designed. A prestressed girder design was selected for this project. Venkata was involved in the design of the superstructure and substructure elements. Bridge cross-section geometry is flared to accommodate the sight distance restrictions going from the bridge to the roundabout, that added an extra layer of complexity to the design calculations. LEAP Bridge concrete was used for beam designs, and RC Pier software was used for substructure designs. Quantity calculations and cost estimates followed. Designs followed AASHTO Bridge Design Specifications and Indiana Design Manual guidelines.
06/20 – 09/21	**INDOT, Wayne Street Bridge 501, Bridge Rehabilitation; Miami Co., IN:** *Bridge Designer.* The scope of the project included a complete superstructure replacement with pedestrian improvements. Venkata was involved in the design of bridge deck and steel girders for this project. Merlin-Dash software was used in the design of steel girders. Designs followed AASHTO Bridge Design Specifications and Indiana Design Manual guidelines.

Firm employed by	**HDR Engineering, Inc.**			
Name	**Edwin Rydell, PE**		Years of relevant experience with this employer	**24**
Title	**Senior Project Manager**		Years of relevant experience with other employer(s)	**9**
Degree(s) / Years / Specialization			**Bachelor of Science/1986/Civil Engineering**	
Active registration number / state / expiration date			**47343/LA/03-31-2027**	
Year registered	**2022**	Discipline	**Civil Engineering**	
Contract role(s) / brief description of responsibilities			**Roadway Engineer**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Edwin has 33 years of experience in the transportation-engineering field with seven years as the Design Engineer in the Texas Department of Transportation Humble Area Office. He is familiar with various aspects of asphalt and concrete roadway design from the planning phase to final design and letting. He has worked on various projects that included the determination of horizontal and vertical alignments, bridge layouts, storm sewer design, traffic control, utility coordination, signing and pavement markings, and signal design. Edwin is very familiar with the roadway design software including GEOPAK and MicroStation. He is also familiar with SIGNCAD for overhead sign designs.
11/22 – 03/23	**LADOTD, LA 577 Overpass Repair Over I-20 Phases 1 & 2; Waverly, LA:** *Roadway and Traffic Control Plan Lead.* Edwin developed the roadway design and TCP plans for both phases of this emergency site inspection to assess the condition of a bridge struck by a truck. He completed the Phase 1 design consisting of a PS&E in order to get a single lane of traffic open. After the emergency Phase 1 design was complete, he started Phase 2 PS&E to complete the design for a replacement span.
05/18 – 12/22	**City of Alvin, FM 528 Extension SH 6 to SH 35 Business; Alvin, TX:** *QC Manager.* Edwin reviewed the roadway design of a new two-lane curbed roadway with curb inlets and 24-in RCP equalizers to capture the drainage into the open ditches behind the curb, with a new grade separation (overpass) over the existing Burlington Northern Santa Fe (BNSF) railroad tracks. Edwin completed the QC review of the schematic for the new location roadway. Once design began, Edwin completed the QC reviews prior to each submittal for the TCP, roadway and drainage components. He checked that design requirements were met and that there were not any conflicts between the design of the different disciplines.
08/17 – 07/20	**Harris County Engineering, Louetta Road from Stablewood Farms Drive to Little Cypress Creek; Cypress, TX:** *Project Manager.* Edwin managed the design of a new location four-lane boulevard section. Edwin was responsible for completing the new design including roadway, drainage, detention, striping, environmental, and preparing a complete plan set and documents. He also assisted with the construction administration of the project.
04/12 – 01/16	**City of Pearland, Pearland Parkway Extension; City of Pearland, TX:** *Project Manager.* Edwin provided the roadway design of a new location four-lane boulevard concrete section with curb and gutter and a storm sewer system. He reviewed and applied the design of two new bridges across Cowart's Creek, as well as reviewed the hydraulic analysis and drainage study which determined water surface elevations. Edwin set the bridge profile to provide a design with no impacts to Cowart's Creek. He also completed the traffic control plan for the tie-in to the existing roadway on each end of the project.

Firm employed by	**HDR Engineering, Inc.**			
Name	**Garrick Rose, AICP**		Years of relevant experience with this employer	**1**
Title	**Senior Environmental Project Manager**		Years of relevant experience with other employer(s)	**28**
Degree(s) / Years / Specialization			**Master of Science/1999/Urban and Regional Planning** **Bachelor of Arts/1995/Liberal Arts and Anthropology**	
Active registration number / state / expiration date			**AICP No. 016085 / U.S. / N/A**	
Year registered	**2000**	Discipline	**Certified Planner; NHI 142005**	
Contract role(s) / brief description of responsibilities			**Transportation Planner/NEPA / Meets MPR No. 8**	

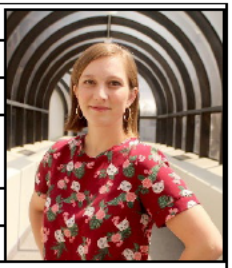
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Garrick brings over 28 years of experience in transportation projects. His expertise spans various transportation planning areas, including feasibility studies, environmental, and conceptual planning and design with DOTD. His in-depth knowledge of USDOT, FHWA, FRA, and FTA programs, administered through DOTD, gives him a critical understanding of the requirements for compliance with grant award agreements and statutory deadlines—confirming projects remain eligible for final design and construction following environmental clearance. ***Garrick is a certified planner and has taken the required NHI, NEPA, and Transportation decision-making course at the DOTD/LTRC. He has experience creating grant application narratives supporting BCAs, Class of Action (COA) determination, completing environmental review, and grants management with discretionary grants including SS4A, TIGER/BUILD, RAISE, CRISI, and CIG award programs.***
04/24 – Ongoing	**LADOTD, Baton Rouge to New Orleans Passenger Rail; Baton Rouge, LA:** *Senior Environmental Professional.* Garrick supports LaDOTD's project to establish daily passenger rail service between Baton Rouge and New Orleans using existing freight infrastructure. A significant project challenge involved adapting to evolving guidance in FRA's new Corridor ID program. Garrick navigated these challenges by leveraging his expertise in NEPA and federal project processes, conducting pre-NEPA activities to keep the project on track and confirm compliance with statutory deadlines.
05/22 – 02/24	**City of Gretna, 5th Street Improvements; Gretna, LA:** *Senior Environmental Project Manager.* Garrick led the preparation of Stage 1 documentation, including a draft Categorical Exclusion (CE), and coordinated with DOTD environmental and rail engineering teams to define required permits and agency agreements. To meet a critical grant application deadline, he proposed using a Programmatic CE, reducing review time by allowing DOTD to act as the commenting agency, expediting approvals.
05/22 – 06/22	**New Orleans Regional Planning Commission (NORPC), Industrial Canal Crossing Safety and Access Planning Stage 0; New Orleans, LA:** *Environmental Project Manager.* Garrick completed Stage 0 documentation, including scope, budget, environmental checklists, and a conceptual design. The proposed bridge rehabilitation aims to improve crossings and safety across modes, addressing travel time inequity and geographic isolation. A key challenge was meeting a tight schedule, which Garrick overcame by negotiating electronic delivery, maintaining clear communication about deadlines, and preparing deliverables early to align with NORPC's invoicing and payment schedule.
05/15 – 05/22	**LADOTD, Rural Bridge Program I and II; Louisiana:** *Environmental Project Manager / Senior Transportation Planner.* Garrick worked on numerous bridge replacements throughout Louisiana and performed Stage 0 and Stage I studies for DOTD's rural bridge replacement program. The program and bridge replacements continue to significantly impact rural communities, where bridges are a major component of these communities and their day-to-day lives.
05/21 – 01/24	**Northwest Louisiana Council of Governments (NLCOG), LA 3132 (Inner Loop) Extension: E. Flournoy Lucas Rd (LA 523) to Future I-69 Corridor Environmental Assessment (EA) Stage 1; Caddo Parish, LA:** *Senior Environmental Project Manager* on Project LA3132. The NLCOG, DOTD and FHWA propose to extend the LA 3132 Inner Loop Expressway (LA 3132) from its current terminus at East Flournoy Lucas Road (LA 523) to the proposed I-69 Section of Independent Utility 15 and the Port of Caddo-Bossier. The EA document and locally preferred alternative were adopted by NLCOG and an FHWA issued a Fing of No Significant Impact (FONSI) concurrence letter in September 2022.

01/20 – 07/21	**New Orleans Public Belt, Miscellaneous NEPA/CEs for CRISI projects; New Orleans, LA:** *Senior Transportation Planner.* Garrick provided various NEPA/CE documentation tasks for CRISI projects, verifying environmental compliance and project feasibility. He secured a Class of Action (COA) letter report from FRA for the project as a Categorical Exclusions, and the grant agreement was executed on time.
05/22 – 03/24	**LaDOTD, Jefferson Highway Crossing Environmental Assessment; Jefferson Parish, LA:** *Senior Project Manager.* Garrick managed the environmental assessments for the Jefferson Highway Crossing project, verifying compliance with LaDOTD and Federal Railroad Administration (FRA) NEPA requirements.
05/22 – 03/24	**LaDOTD, Rural Bridges I & II; Various Locations, LA:** *Environmental Project Manager.* Garrick was responsible for environmental assessments and programmatic categorical exclusions (CE)s for the Rural Bridges projects, working under the guidelines of LaDOTD and USDOT FHWA NEPA requirements.
03/06 – 03/07	**New Orleans Regional Planning Commission, New Orleans Union Passenger Terminal (NOUPT) Master Plan Update, Stage 0; New Orleans, LA:** *Transportation Planner.* Garrick worked on updating the 1995 NOUPT Master Plan to reflect numerous changes in the New Orleans region and prepared technical recommendations and capital project programming for the terminal building, ancillary non-rail yard support buildings, and station and platform access (non-yard), including the interior of the terminal building and connecting vehicular roadways and parking.
07/98 – 05/01	**LaDOTD, I-49 South, Raceland to Westbank Expressway; St. Mary Parish, LA:** *Transportation Planner.* Garrick prepared three EISs, associated Record of Decision documents, and a required Project Management Plan (PMP) for megaprojects over $100 million. The I-49 EIS projects consisted of the I-49 South corridor improvements from Raceland to the Westbank, Waxlake Outlet to Berwick, and Lafayette Regional Airport to LA 88. The three EIS considered how to convert U.S. 90 to interstate standards. Garrick was able to expedite Section 106 review with the SHPO's office to avoid conflicts with agricultural growing season (sugarcane).
07/96 – 12/98	**USACE New Orleans, Land Use Histories; Various Locations, LA:** *Hazardous, Toxic, and Radioactive Waste (HTRW) Land Use Researcher and CAD/GIS Analyst.* Gerrick provided environmental documentation for the District at multiple historical land use sites, including: Marchand to Darrow Levee Enlargement and Concrete Slope Pavement, Ascension Parish; West Shore Lake Pontchartrain Hurricane Surge Protection Project, St. Charles and St. John Parishes; Mississippi River-Gulf Outlet New Lock and Connecting Channels, Orleans and St. Bernard Parishes; Jefferson Parish Feasibility Study, Jefferson Parish; Morgan City and Berwick Flood Control Project, St. Mary Parish; Lower Atchafalaya Basin Reevaluation Study, St. Mary and St. Martin Parishes.

Firm employed by	**HDR Engineering, Inc.**			
Name	**Lisa Wadsworth, PE**		Years of relevant experience with this employer	**20**
Title	**Senior Project Manager**		Years of relevant experience with other employer(s)	**6**
Degree(s) / Years / Specialization			**Master of Arts/2004/Management & Information Systems Management** **Bachelor of Sciences/1996/Environmental Engineering**	
Active registration number / state / expiration date			**31504/LA/03-31-2027**	
Year registered	**2004**	Discipline	**Environmental; NHI 142005**	
Contract role(s) / brief description of responsibilities			**Environmental Support / Meets MPR No. 8**	

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).
	Lisa brings to the team over 20 years of planning, project management, and permitting experience. She has experience in a range of project types, including multi-disciplinary water resources planning and transportation planning for highway, railroad, and navigation projects. ***She has prepared and reviewed National Environmental Policy Act (NEPA) documents, including categorical exclusions, environmental assessments (EA), environmental impact statements (EIS), and has experience preparing LaDOTD Stage 0 and Stage 1 Studies.***
04/23 – Ongoing	**LADOTD, Baton Rouge to New Orleans Passenger Rail; Baton Rouge, LA:** *QA/QC Manager.* The project consists of the development of an approximately 80-mile intercity passenger rail corridor between Baton Rouge and New Orleans. HDR services include agency and stakeholder coordination, preliminary engineering design, and development of environmental documentation to support the NEPA process required by the Federal Rail Administration. Lisa supports the project manager by verifying adherence to the Quality Management Plan.
09/22 – Ongoing	**LaDOTD, Strategic Highway Safety Plan (SHSP) Development and Implementation Statewide, Task Orders 1-3; Statewide, LA:** Project *Manager.* Lisa supported DOTD with the implementation of the 2022 Louisiana Strategic Highway Safety Plan, which included the development of training presentations, strategic communications plans, and marketing materials, such as safety brochures and the Buckle Up Phone Down logo. For TO2, Lisa oversaw the development of the 2023 Vulnerable Road User (VRU) Safety Assessment report, which included analyzing crash statistics involving pedestrians and bicyclists; identifying Target Analysis Areas throughout the State for safety improvements; consulting with Regional Safety Coalition Coordinators, local governments, Metropolitan Planning Organizations (MPOs), and regional transportation planning organizations; and developing a program of VRU improvement strategies. For TO3, Lisa oversees HDR's Digital Engagement Team in creating a user-friendly, device-responsive, accessible Destination Zero Deaths website to share information, educate stakeholders and communities, provide community engagement opportunities, and integrate with other digital communication channels and media.
12/16 – 09/18	**LADOTD, Retainer Contract for Strategic Advisory Services Related to LTA Participation in P3s; Statewide, LA:** *Environmental Engineer.* Lisa provided environmental coordination, technical editing, and QA/QC of deliverables for a statewide Stage 0 feasibility study on tolling and local option motor fuel taxes. Her deliverables included various reports on a conceptual-level assessment of the feasibility of tolling highways and bridges, the feasibility of tolling six megaprojects, included in the Louisiana Statewide Transportation Plan, and the feasibility of implementing local option motor fuel taxes.
09/17 – 12/18	**New Orleans Regional Transit Authority (RTA), Project Development Services for Rampart/St. Claude Streetcar Extensions; Orleans Paris, LA:** *Public Involvement Lead.* Lisa developed a Categorical Exclusion (CE) NEPA document and preliminary engineering (PE) for the proposed extension of streetcar service along St. Claude Ave. and Elysian Fields Ave. She prepared a Solicitation of Views package sent to agencies and other stakeholders; evaluated project impacts and prepared the Federal Transit Authority Region 6 CE. She coordinated stakeholder outreach, prepared outreach materials, and participated in stakeholder outreach, which included two public meetings and stakeholder meetings.
07/18 – 12/18	**LaDOTD, Louisiana Amtrak Station Assessment; Statewide, LA:** *Project Engineer/Editor.* Lisa was responsible for assisting with developing a conceptual Louisiana Passenger Rail Station Assessment. The purpose was to develop guidance toward the state's intercity passenger rail transportation planning activities. She compiled and edited the report, including field investigation reports for six existing passenger rail stations at Lake Charles, Lafayette, New Iberia, Schriever, Hammond, and Slidell.

08/15 – 10/17	**Mississippi Department of Transportation, Port Bienville Environmental Impact Statement (EIS); Hancock and Pearl River Counties, MS:** *Environmental Engineer.* Lisa prepared sections of the Draft EIS for a new north-south Class I railroad connecting the Port Bienville Railroad. She prepared EIS sections in the NEPA document that included socioeconomics, water quality, floodplains, coastal zone management, permitting, energy consumption, utilities, construction impacts, and cumulative effects. Lisa assisted with project management and QA/QC of other EIS sections, including wetlands, threatened and endangered species, air quality, noise and vibration, transportation, public safety, hazardous waste, and cultural resources.
01/15 – 09/19	**New Orleans Regional Planning Commission, LA 23 New Orleans Gulf Coast (NOGC) Railway Relocation Preliminary Engineering and Environmental Assessment (EA); Jefferson and Plaquemines Parishes, LA:** *Environmental Engineer.* Lisa was responsible for assisting with preparing a DOTD Stage 1, EA, and Finding of No Significant Impact (FONSI) NEPA documentation to relocate the NOGC Railway from its current alignment along LA 18 and LA 23 to an industrial corridor adjacent to the Harvey Canal. She was responsible for compiling the EA and drafting various sections, including the Tier 1 alternatives analysis, summary of impacts, permits required, commitments and mitigation measures, water quality, water bodies, and waterways, floodplains and flood zones, wetlands, coastal zones, threatened and endangered species, utilities, flood control projects, energy resources, visual resources, and construction impacts.
08/17 – 08/21	**Brownville Navigation District, Federal Easement Tract Releases; Brownsville, TX:** *Project Manager/Environmental Engineer.* Lisa prepared several categorical exclusion NEPA documents for the USACE Galveston District's easement disposal report. She provided oversight of Phase 1 Environmental Site Assessment and cultural resources tasks. The categorical exclusion describes how USACE will comply with applicable Federal and state laws, such as the Endangered Species Act, the Fish and Wildlife Coordination Act, the National Historic Preservation Act, the Clean Water Act, etc., for release of several easement (over 3,000 acres) from USACE to the Port of Brownsville (Brownsville Navigation District).

Firm employed by	**HDR Engineering, Inc.**			
Name	**Alex Austin, MS**		Years of relevant experience with this employer	**3**
Title	**Environmental Project Manager**		Years of relevant experience with other employer(s)	**12**
Degree(s) / Years / Specialization			**Master of Science/2018/Environmental Sciences** **Bachelor of Sciences/2014/ Biology**	
Active registration number / state / expiration date			**N/A**	
Year registered	**N/A**	Discipline	**N/A**	
Contract role(s) / brief description of responsibilities			**Environmental Planner**	

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).
	Alex has lead NEPA tasks for CE, EA, and EIS projects for TxDOT, GLO, USACE, MARAD, local governments, MPOs, NGOs, and private clients. She is experienced in conducting biological surveys both terrestrial and aquatic, WOUS and wetland determinations, Section 404 & 10 Permitting, agency coordination, and is well-versed in public involvement and outreach techniques. Her diverse background provides a solid base of experience to help inform the project delivery process. Alex has assisted clients with wetland delineations and approved jurisdictional determination applications, navigating the submittal of both non-notifying and notifying nationwide permits and individual permits, and is assisting clients through the USACE 204(f) regulatory process.
06/24 – Ongoing	**Texas Department of Transportation (TxDOT), FM 1835 Bridge Replacement; Stonewall County, TX:** *Environmental Subconsultant Environmental Project Manager.* HDR is assisting with the TxDOT FM 1835 Bridge Replacement over Double Mountain Fork of the Brazos River. Alex is coordinating the preparation of environmental documentation to TxDOT standards. The project involved a wetland and WOTUS delineation, the preparation of a biological assessment, a wetland delineation report, an archeological background study, and a community issues analysis. The project area is within critical habitat for the small eye shiner and short nose shiner, both federally endangered species. The project involved consultation with the US Fish and Wildlife Service on potential impacts to these species during construction.
08/24 – Ongoing	**Port of Bay City, West Basin Bulkhead Environmental Assessment; Matagorda County, TX:** *Environmental Task Lead.* HDR is assisting with grant management, design, and NEPA compliance for the West Basin Bulkhead at the Port of Bay City's turning basin on the Colorado River. The Port applied for funding via the Maritime Administration-administered Port Infrastructure Development Grant, which requires completion of the NEPA process prior to receiving funds from MARAD. Alex led the environmental task for this project, which included drafting an environmental assessment, coordinating with MARAD, and preparing a CWA Section 404/RHA Section 10 Individual Permit and coordinating its review with USACE Galveston District. The project required coordination with the SHPO under Section 106 of the NHPA and required a formal wetland delineation.
03/24 – 07/24	**Patriot Railway, CRISI Grant Pre-NEPA; Portland, TX:** *Environmental Task Lead for Pre-NEPA Compliance.* Patriot Rail received a Consolidated Rail Infrastructure and Safety Improvement (CRISI) grant from the Federal Rail Administration. Alex led the drafting of Class of Action NEPA memos, FRA Categorical Exclusion worksheets, and permit requirement matrices for each of seven separate rail improvement projects.
03/23 – 07/23	**City of San Marcos, Flood Improvements HUD Environmental Review; Hays County, TX:** *Environmental Task Lead.* Alex's services included constraints mapping and analysis, report production, stakeholder coordination, and client coordination in support of the environmental clearance for two projects funded through HUD involving the installation of flood gauges and flood gates at strategic locations throughout the city. She worked with the client to submit required NEPA documentation on the projects' potential impacts to environmental resources through the HUD HEROS system.

04/20 – 12/20	**TxDOT, US-59 Improvements Environmental Assessment Re-Evaluation; Wharton County, TX:** *Environmental Scientist.* Alex conducted a wetland delineation and stream assessment in pursuit of the re-evaluation of an existing environmental assessment for the US 59 corridor. She led field work, data collection, wetland and stream delineation, vegetation identification, and reporting.
03/21 – 03/22	**TxDOT, US 77 Improvements Project; Refugio County, TX:** *Environmental Scientist.* Alex coordinated and conducted public involvement tasks in support of an EA-level project involving US 77 improvements. She coordinated with TxDOT and consultant project teams to re-introduce the project to the public after a 2018 Route Study; drafted and updated a public involvement plan for the project; created a stakeholder database; produced materials for the Refugio County Judge and Commissioners' Court project update meeting; coordinated with media outlets to publish display and legal notices; and coordinated right-of-entry communications for landowners in the area.
11/18 – 11/19	**TxDOT, IH 37 Redbird Lane to US 77; San Patricio and Nueces Counties, TX:** *Environmental Scientist.* Alex prepared environmental documentation in support of the IH 37 bridge widening and interstate corridor improvement project at the Nueces River crossing. She was responsible for wetland and WOTUS delineation and reporting, biological assessment of the project area, permitting, and GIS mapping.

Firm employed by	**HDR Engineering, Inc.**			
Name	**Dallas DeFord**		Years of relevant experience with this employer	**8**
Title	**Senior Economist**		Years of relevant experience with other employer(s)	**0**
Degree(s) / Years / Specialization			**Master of Science/2016/Applied Economics** **Bachelor of Science/2014/Applied Mathematics**	
Active registration number / state / expiration date			**N/A**	
Year registered	**N/A**	Discipline	**N/A**	
Contract role(s) / brief description of responsibilities			**BCA Analyst**	

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).
	Dallas is a senior economist with eight years of industry experience using economic and data analysis to help decision-makers make well-informed decisions in transportation planning and project management efforts. She obtained her master's degree in applied economics from Johns Hopkins, where she studied quantitative methods of economic and risk analysis. ***At HDR, she has led and supported benefit-cost analysis, risk analyses, data analyses, and project evaluations on transportation infrastructure projects.***
10/23 – 04/24	**North Carolina Department of Transportation (NCDOT), Cape Fear Memorial Bridge Replacement Project – FY 2024 Large Bridge Investment Program Grant Application; Wilmington, NC:** *Lead Economist.* HDR assisted NCDOT with a grant application for the reconstruction of the Cape Fear Memorial Bridge. The vertical lift bridge was at risk of closing permanently and required frequent lane closures to maintain the decking. Closure would require significant detours to the next nearest river crossing. The project would replace the bridge with a fixed span structure, avoiding traffic detours, expand capacity, improve adjacent intersections, and add a dedicated active transportation facility crossing the river. Dallas led the benefit-cost analysis (BCA) in a custom excel-based benefit-cost model, evaluating the project impacts on avoided detour impacts, safety, journey quality, and operation and maintenance costs to monetize project benefits. **NCDOT was awarded $242M from the FY 2024 Large Bridge Grant Program for the project.**
06/23 – 08/23	**Iowa Department of Transportation (IADOT), I-380 & Wright Brothers Boulevard – Freight Hub for Eastern Iowa Project MPDG Application; Cedar Rapids, IA:** *Economist.* Dallas produced a BCA for the project, which extended across several miles of I-380 south, including interchange and intersection improvements at Wright Brothers Boulevard. The BCA required a custom excel-based benefit-cost model using travel demand model data to monetize several safety considerations, travel time savings, and operation and maintenance cost savings. Dallas led the modeling approach and development for BCA model and helped the project team determine, based on the BCA results, what project components would produce the most competitive grant application. Dallas and the project team worked on a tight deadline to produce a defensible and robust BCA. **IADOT was awarded $57M from the MPDG Program for the project.**
03/22 – 05/22	**Colorado Department of Transportation (CODOT), I-70 Floyd Hill to Veterans Memorial Tunnels Improvements FY 2022 MPDG Application; Idaho Springs, CO:** *Economist.* Dallas produced a BCA for the project, which extended across several miles of I-70 near Idaho Springs. The BCA required a custom excel-based benefit-cost model considering several aspects of the standard benefit categories, including four safety benefit considerations, two significant sources of travel time savings, active transportation benefits, and operation and maintenance costs. Dallas supported the modeling approach and development for the BCA model as the project definition was refined and data received. Dallas and the project team worked on a tight deadline to produce a defensible and robust benefit-cost analysis, and **CDOT was awarded $100M from the INFRA Program.**
02/22 – 03/23	**Nevada Department of Transportation (NDOT), Ely Downtown Infrastructure and Complete Streets FY 2022 RAISE Grant Application; Ely, NV:** *Lead Economist.* Dallas assisted with producing a grant application for the project to reconstruct segments of US-50 and US-93, that included the replacement of stormwater culverts to prevent flooding and complete elements to improve pedestrian and bicycle safety. The HDR team was tasked with updating the application for the FY 2023 RAISE grant program. Dallas developed the BCA in a custom

	excel-based benefit-cost model, evaluating the project impacts on safety, journey quality, travel time, flooding, and operation and maintenance costs to monetize project benefits. The 2023 RAISE application was successful, and **NDOT was awarded $24M for the project.**
06/24 – 11/24	**IADOT, Gordon Drive Viaduct Reconstruction Project, FY 2024 Large Bridge Investment Program Grant Application; Sioux City, IA:** *Lead Economist.* Dallas led the BCA in a custom excel-based benefit-cost model, evaluating the project impacts on avoided detours, safety, journey quality, avoided railroad crossings, and operation and maintenance costs to monetize project benefits. HDR produced the grant application for the reconstruction of the Gordon Drive Viaduct. The old structure was actively receiving major rehabilitations on the piers which resulted in the need for long term load postings and traffic detours. The new bridge will replace the old structure, avoiding traffic detours and large rehabilitation and O&M expenses on the deteriorating structure. This solution would also improve shoulder widths and ramp connections, and add a shared use path and an intersection to serve the immediate area.
05/23 – 08/23	**Ohio Department of Transportation (ODOT), Columbus Crossroads Core Connections Project – MPDG Application; Columbus, OH:** *Lead Economist.* Dallas assisted in producing a grant application for the Columbus Crossroads Core Connections MPDG Application. The project components continue the phasing of the Columbus Downtown Ramp Up program, which comprises improvements to the freeways and interchanges through downtown Columbus to improve safety, congestion, and regional and local mobility. The BCA used a custom excel-based benefit-cost model. The client provided travel demand model data, a complete crash impact analysis, and cost data to monetize standard benefit categories. The analysis also estimated mode shift and monetized benefits to active transportation modes from the project to create a wholistic and comprehensive perspective of benefits.

Firm employed by	**HDR Engineering, Inc.**			
Name	**Earnest Lloyd, Ph.D, AICP**		Years of relevant experience with this employer	**2**
Title	**Senior Economist**		Years of relevant experience with other employer(s)	**27**
Degree(s) / Years / Specialization			**PhD/2019/ Urban Planning & Public Policy** **Master of Science/2013/Strategic Studies** **Master of Science/1997/Economics** **Bachelor of Science/1988/Mathematics**	
Active registration number / state / expiration date			**AICP 206896 / U.S. / N/A**	
Year registered	**2011**	Discipline	**Certified Planner**	
Contract role(s) / brief description of responsibilities			**BCA Analyst**	

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). *Earnest is an accomplished economist and urban planner with over 29 years of expertise in urban economics, spatial econometrics, and regional science.* ***His analytical experience spans metropolitan, municipal, and municipal district settings, conducting economic impact, benefit-cost, and fiscal impact analyses.*** *Earnest specializes in creating economic development strategies and community resilience studies. He is skilled in GIS/spatial statistics, multi-criteria decision-making, workforce development, market analysis, econometric forecasting, and support of long-range/comprehensive plans.*
08/23 – 04/24	**South Dakota Department of Transportation (SDDOT), South Veterans Parkway Grant Application Cost Benefit and Distributional Analyses; Sioux Falls, SD:** *Economist.* Earnest provided economic analysis supporting the Multimodal Project Discretionary Grant (MPDG) application for the South Veterans Parkway from Western Avenue to Cliff Avenue. As part of the grant application, Earnest conducted a benefit-cost analysis (BCA) comparing the costs associated with the proposed investment to the benefits of the project. He also analyzed the income distributional effects of the project in the form of a weighted BCA (wBCA), which utilized data on the income distribution of beneficiaries to determine the shares of total benefits and costs that would be gained and incurred by different income groups. The BCA and wBCA results were used jointly as a rationale for project investment.
07/24 – Ongoing	**Houston-Galveston Area Council (H-GAC), Henderson Road Project – Transportation Improvement Program (TIP) Grant; Angleton, TX:** *Economist.* Earnest provided economic analyses supporting a TIP application, a multimodal transportation infrastructure program, and service improvements planned for implementation in the H-GAC region over the next four years. Earnest conducted a BCA comparing the costs associated with the proposed investment to the project's benefits. The project consisted of a four-lane cross-section with a raised median to increase roadway and intersection capacity and improve operation. Earnest's benefit-cost ratio for the project also includes economic development benefits, complete journey quality benefits, improved transit facilities, emissions reduction, and travel time savings from avoided road closures.
03/22 – 05/22	**IADOT, Gordon Drive Viaduct Reconstruction Project, FY 2024 Large Bridge Investment Program Grant Application; Sioux City, IA:** *Economist.* Earnest assisted in providing a BCA in a custom Excel-based benefit-cost model, evaluating the project impacts on avoided detours, safety, journey quality, avoided railroad crossings, and operation and maintenance costs to monetize project benefits. HDR produced the grant application for the reconstruction of the Gordon Drive Viaduct.

Firm employed by	**HDR Engineering, Inc.**			
Name	**Marissa Witkowski**		Years of relevant experience with this employer	**16**
Title	**Principal Financial Consultant**		Years of relevant experience with other employer(s)	**3**
Degree(s) / Years / Specialization			**Master of Arts/2008/Economics** **Bachelor of Arts/2005/Economics and Psychology**	
Active registration number / state / expiration date			**N/A**	
Year registered	**N/A**	Discipline	**Economist**	
Contract role(s) / brief description of responsibilities			**Discretionary Grant Lead**	

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).
	Marissa is a Principal Economist with nearly two decades of experience in transportation economics and decision analysis. She leads economic analysis in the areas of transportation and freight planning, economic development, project prioritization and finance. ***Combining her technical background in economics with her thorough understanding of discretionary grant programs, she is adept at combining quantitative and qualitative information to identify and align project benefits and merits with funding program requirements. Marissa's efforts have secured federal discretionary grant funds of more than $2.1B for nearly 40 projects across the country.***
03/15 – 04/16	**Massachusetts Port Authority, Conley Terminal Intermodal Improvements and Modernization FASTLANE Grant Application; Sioux Falls, SD:** *Project Manager/Grant Writing Lead.* Marissa led the complete development of a FY2016 FASTLANE Grant Application for Massport, including the narrative and technical analysis required for this Federal grant. During project development, she met weekly with key Massport staff to gather the required information and update the team on the status of various project components. She produced a 25-page narrative, conducted the benefit-cost analysis, and provided all relevant documentation associated with this effort. **Massport was awarded $42M for the proposed improvements in September 2016.**
10/16 – 12/18	**Massachusetts Port Authority, Conley Terminal Container Storage and Freight Corridor BUILD Applications; Boston, MA:** *Project Manager/Grant Writing Lead.* Building on the success of the FY2016 FASTLANE application, Marissa worked closely with Massport to identify additional improvements that would best align with the needs of both Massport and the USDOT to seek further funding for necessary improvements at Conley Terminal. This close collaboration and Marissa's efforts in the application development and economic analysis led to the successful award of an additional $20M in FY 2019 BUILD funding to further support the enhancements and modernization of Conley Terminal.
05/22 – 09/22	**South Carolina Department of Transportation (SCDOT), CLRB Bridge Grant – Investing in South Carolina's Rural Bridges; Union County, SC:** *Lead Economist.* HDR worked with SCDOT to develop a complete FY22 BIP application package to replace six critical rural bridges in Union County in northwest South Carolina, near the Appalachian Mountains. The bridges provide key community and freight connectivity and are in a state of disrepair. Marissa developed the benefit-cost analysis model and helped the team develop the application narrative for this project, which was **awarded $51.2M in funding.**
02/22 – 04/22	**City of Salina, Old Smoky Hill River Bridge Replacement; Selina, KS:** *Lead Economist.* HDR worked with local stakeholders to develop and submit a FY2022 RAISE grant application to improve mobility, reduce congestion, and reconnect parts of the City of Salina. Key project elements included replacement of 7 bridges over the Old Smoky Hill River, construction of 3.4 miles of multi-use trails, improving 7 pedestrian crossings, trail lighting, upgrades to several culverts that are prone to flooding, and other improvements. Marissa worked closely with the project team to develop the benefit-cost analysis and documentation in support of the grant application narrative. **The project was awarded $22.1M in RAISE grant funding.**

03/22 – 05/22	**Colorado Department of Transportation, I-70 Floyd Hill to Veterans Memorial Tunnels Improvements INFRA Grant; Evergreen and Idaho Springs, CO:** *Lead Economist.* HDR provided support services to CDOT Region 1 to prepare and submit a FY2022 INFRA grant application for the I-70 Floyd Hill project. The project will improve approximately 8 miles of the I-70 Mountain Corridor by adding a third westbound travel lane, a new frontage road, improved sight distances, and design speed, among other elements. The project aims to alleviate congestion and improve safety in this corridor. Marissa oversaw the development of the benefit-cost analysis, including accounting for unique aspects of this project, such as seasonality and rockslides. **The project was awarded $100M in grant funding.**
08/22 – 09/22	**City of Portland, FY22 Burgard Bridge – Bridge Investment Program Application; Portland OR:** *Grant Writer.* Marissa prepared a BIP bridge grant application for this replacement of the Burgard Bridge, which carries N. Lombard Street over the UPRR tracks. In addition to preparing the full grant application narrative, Marissa led a supporting economic analysis, identified project needs, and aligned with grant criteria. She evaluated project readiness and technical feasibility for both Oregon and federal requirements. **The application was awarded the full requested funding of $13.9M.**
01/21 – 02/23	**City of Blaine, TH 65 FY 2021 INFRA & RAISE Grant Applications; Blaine, MN:** *Lead Analyst.* Marissa conducted the benefit-cost analysis for the recently submitted INFRA and RAISE application in support of the Trunk Highway 65 reconstruction project in the City of Blaine. The analysis utilized key information from traffic and safety analyses, documenting key assumptions utilizing both Minnesota and US DOT standards. The project was awarded $20 million in FY 2022 RAISE grant funds as well as state economic development funds**.**

Firm employed by:	**ELOS Environmental, LLC**			
Name	**Lucas Watkins, MS**		Years of relevant experience with this employer	**18**
Title	**Principal/Environmental Scientist**		Years of relevant experience with other employer(s)	**4**
Degree(s) / Years / Specialization			**Master of Science/2005/Biological Sciences** **Bachelor of Science/2000/Forest Management**	
Active registration number / state / expiration date			**National Highway Institute: NEPA & Transportation Decision-Making Process**	
Year registered	**N/A**	Discipline	**N/A**	
Contract role(s) / brief description of responsibilities			**Principal, Project Oversight, NEPA Clearance, Agency Coordination, Stakeholder Outreach, and Public Meetings / Meets MPR No. 8**	

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 assessments and a review of previous Historic Reviews. Mr. Watkins will review the findings of all reviews and the permit packet prior to submission.
12/22 – 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/Biologist**	Years of relevant experience with other employer(s)	**23**
Degree(s) / Years / Specialization		**JD/2006/Civil Law** **Bachelor of Science/1995/ Wetland Ecology**	
Active registration number / state / expiration date		**N/A**	
Year registered	**N/A**	Discipline	**N/A**
Contract role(s) / brief description of responsibilities		**Project Management, NEPA Clearance, Feasibility Analysis, and Agency Coordination**	

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 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. Fortson has reviewed the findings reports prior to client submission.
08/22 – 09/23	**LADOTD Rousseau Bridge Replacement; St. Tammany Parish, LA:** ELOS was contracted to provide environmental services for the Rousseau Bridge Replacement Project located on approximately 2.62 acres in St. Tammany Parish. Services included a wetland delineation, Scenic Rivers permit application, emergency authorization application to USACE, SOVs, and a final report. Mr. Fortson assisted with the report drafts and permit applications.
05/21 – 05/22	**STP Chris Kennedy RD Bridge Replacement; St. Tammany Parish, LA:** ELOS was contracted to provide professional environmental engineering services to collect data to further prepare reports for wetland delineation, biological assessment and cultural impact in accordance with the removal and replacement plans. Mr. Fortson coordinated with internal teams to review reports, correlative maps, and environmental data to complete the approved contract.
03/22 – 12/23	**STP Lock No. 2 Bridge Replacement; St. Tammany Parish, LA:** Mr. Fortson assisted with internal teams to provide Cultural resource services for the Lock No. 2 Bridge replacement located on approximately 4.83-acres in St. Tammany Parish. ELOS was contracted to provide Section 106 of NHPA, Terrestrial Phase I Culture Resource Survey and Cultural Resource Assessment No Findings report.

Firm employed by:	**ELOS Environmental, LLC**			
Name	**Cory Ricks, BS, CFM**	Years of relevant experience with this employer	**8**	
Title	**Environmental Specialist**	Years of relevant experience with other employer(s)	**1**	
Degree(s) / Years / Specialization		**Bachelor of Science/2015/Biology**		
Active registration number / state / expiration date		**US-24-13091 / LA/ 07/31/2026**		
Year registered	**2024**	Discipline	**Certificated Floodplain Manager**	
Contract role(s) / brief description of responsibilities		**Environmental Data Collection & Surveys, Impacts Evaluation, NEPA Clearance, and Stage 0 Checklists**		

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

Firm employed by:	**ELOS Environmental, LLC**			
Name	**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		**Master of Arts/2023/Art History and Curatorial Studies** **Master of Arts/2022/Archaeology** **Bachelor of Arts/2021/Art and Archaeology**		
Active registration number / state / expiration date		**N/A**		
Year registered	**N/A**	Discipline	**Registered Professional Archaeologist**	
Contract role(s) / brief description of responsibilities		**Section 106 Desktop Reviews, Terrestrial and Maritime Archaeology, Phase I, II, and III** **Cultural Resource Surveys, Evaluations, and Recoveries, Construction Monitoring**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
08/23 – 11/24	**LADOTD Rural Bridges, Phases I & II; Statewide, LA:** Mr. Wilson was responsible for providing CRM (Cultural Resource Management) services for a DOTD rural bridge replacement project. His duties included conducting research, preparing a Phase I report, and managing STP (Shovel Test Pit) data. He coordinated with agencies such as SHPO (State Historic Preservation Office), NRHP (National Register of Historic Places), and DOTD. Additional tasks include preparing transmittal letters, completing LHRI (Louisiana Historic Resource Inventory) forms, managing the Survey123 platform, overseeing field crew activities, and preparing and submitting the final report. Mr. Wilson ensured all documentation and processes meet regulatory requirements for cultural resource assessments.
12/23 – 09/24	**DOTD IIJA Off-System Bridges District 62:** Mr. Wilson was responsible for providing comprehensive CRM services for the DOTD Off-System Bridges District 62 project. His tasks included conducting background research, preparing desktop reports, and overseeing field crew activities. He utilized topographical maps and aerial investigations to gather critical data. Mr. Wilson also created and submitted tribal packet research, along with collecting CRM information necessary for Categorical Exclusion (CATEX) evaluations. Additionally, he coordinated with agencies such as LHRI, DOTD, and SHPO to ensure compliance with regulations. Mr. Wilson prepared a Section 106 desktop report, assessing potential impacts on historic properties and ensuring the project aligns with cultural resource preservation requirements.
10/24 – Ongoing	**Brownswitch Road Bridge Replacement; St. Tammany Parish, LA:** For the St. Tammany bridge replacement project, Mr. Wilson provides CRM services, focusing on Section 106 compliance. His responsibilities include conducting a CRM Section 106 desktop review to assess the potential impacts of the bridge replacement on cultural resources. This involves reviewing SHPO databases for historic properties, conducting a cemetery review to identify any burial sites in the area, and assisting with the preparation of maps and aerial images to support the cultural resource assessment. He also compiles and creates a detailed Section 106 desktop review report, summarizing findings and ensuring compliance with historic preservation requirements, while addressing potential impacts to cultural resources in the project area.
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 with the potential effects of the bridge replacement on cultural resources. He verified no cultural resources were needed, allowing the project to move forward in accordance with regulatory requirements.
07/24 – 08/24	**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.

10/24 – 10/24	**Old Mill Settlement Road; Livingston Parish, LA:** 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.
07/24 – 09/24	**Juban North Extension; Livingston Parish, LA:** 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.
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.
06/24 – 10/24	**Move Ascension, Phase III; Ascension Parish, LA:** 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.
10/23 – 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 / Project Manager**		Years of relevant experience with other employer(s)	**2**
Degree(s) / Years / Specialization			**Bachelor of Science/2014/Biology**	
Active registration number / state / expiration date			**N/A**	
Year registered	**N/A**	Discipline	**N/A**	
Contract role(s) / brief description of responsibilities			**Wetland Studies, Environmental Data Collection & Surveys, Endangered Species Survey including tri-colored bat, Environmental Permits, Impacts Evaluation, NEPA Clearance, and Stage 0 Checklists**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
08/23 – Ongoing	**EBR Off System Bridge Program; East Baton Rouge Parish, LA:** 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 has 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.
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. Dardar has worked on the SOVs, reviewed the CATEX sections and documentation, written permit applications, and coordinated with LADOTD.

Firm employed by:	**ELOS Environmental, LLC**				
Name	**Michael Hill, BS**		Years of relevant experience with this employer	**2**	
Title	**Environmental Specialist**		Years of relevant experience with other employer(s)	**2**	
Degree(s) / Years / Specialization			**Bachelor of Science/2019/Environmental Science**		
Active registration number / state / expiration date			**N/A**		
Year registered	**N/A**	Discipline	**DOTD FFA certified UAV(Drone) pilot. Certification No: 4566332**		
Contract role(s) / brief description of responsibilities			**Wetland Studies, Environmental Data Collection & Surveys, Environmental Permits, Impacts Evaluation, NEPA Clearance, and Stage 0 Checklists**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
09/22 – Ongoing	**LADOTD Rousseau Bridge Replacement; St. Tammany Parish, LA:** ELOS was contracted to provide environmental services for the Rousseau Bridge Replacement Project located on approximately 2.62 acres in St. Tammany Parish. Services included a wetland delineation, Scenic Rivers permit application, emergency authorization application to USACE, SOVs, and a final report. Mr. Hill prepared the solicitation of views packet and worked on the permit application.
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. Hill coordinated with USACE and prepared the solicitation of views packet.
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. Hill has coordinated field crews to gather data from field including plot photos and worked on the permit submittal.
04/22 – Ongoing	**N. Brickyard Rd. Bridge Replacement; Tangipahoa Parish, LA:** ELOS has been contracted to provide professional environmental consulting services for the replacement of North Brickyard Road Bridge. The project includes a categorical exclusion written in accordance with Federal Highway Administration (FHWA) guidance. A wetland study and delineation are also required. Mr. Hill performed the delineation in the field and also prepared the solicitation of views packets for the permit application.
02/22 – 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. Hill performed the wetland delineation and also constructed the wetland report for the joint permit application.
04/22 – 08/23	**Lod Stafford Rd Bridge Replacement; Livingston Parish, LA:** ELOS has been contracted to provide professional environmental services that include aiding the client in the submittal of the FEMA 8-Step Process, Solicitation of Views (SOV) process, perform a wetland delineation, and submit a permit application to the United States Army Corps of Engineers (USACE) for a 0.25-acre tract of land to authorize the proposed activities for the Lod Stafford Road Bridge Replacement project located in Livingston Parish, LA. Mr. Hill performed the delineation and input data into the ArcGIS system to complete the wetland report.

Firm employed by:	**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			**Bachelor of Science/1997/Civil Engineering**		
Active registration number / state / expiration date			**30261/LA/03/31/2027**		
Year registered	**2002**	Discipline	**Professional Engineer: Civil; Highway Safety Course**		
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 / Meets MPR Nos. 5 & 6**		

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-seven (27) years' experience in Traffic Engineering and Transportation Planning. She has extensive design experience that includes permanent and temporary traffic signals, traffic control devices for work zones, intelligent transportation systems, signage and striping. 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.***
03/16 – 01/19	**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.
06/12 – 03/14	**LA 378 Widening and LA 3127 Realignment - Statewide Stage 0 Studies:** Stage 0 Feasibility Study for LA 378 Improvements Westlake to Moss Bluff, Calcasieu Parish, LA. Ms. Michel was the Principal in Charge of the team that prepared the Traffic Study to develop and compare alternatives to improve the corridor for both operations and safety. She participated in field visits and conducted travel time runs. Traffic Assignments and Forecasting for alternatives included the use of Transcad model output. Improvements considered included access management techniques such as adding a median and driveway consolidation in line with LADOTD policies.
12/19 – 04/20	**Gretna US 90 Stage 0:** The task of determining potential intersection improvements for further study at the intersections of US 90 Business (Westbank Expressway) at LA 23, Lafayette St and Huey P. Long Ave was managed by Ms. Michel. She coordinated the deployment of traffic data collection equipment and conducted a field visit for geometric reviews and collection and queue/unmet demand data. She reviewed existing conditions capacity analysis of the intersections US 90 Business (Westbank Expressway) at LA 23 and Lafayette St. The data collection, results of capacity analysis and potential intersection improvements were summarized and included in the overall Stage 0 Feasibility report for the New Orleans Regional Planning Commission.

06/12 – 04/14	**Hooper Road Extension Stage 0, Hooper Road Widening Stage 0 and Hooper Road EA:** Ms. Michel was the principal in charge of multiple studies for Hooper Road from Sullivan to Greenwell Springs in East Baton Rouge Parish and for a proposed extension over the Amite River to LA 16 in Livingston Parish. The studies included the development and analysis of multiple intersection alternatives at the termini of the extension and along the route. The alternatives analyzed included traditional intersections, roundabouts, SPUIs, partial clover-leaves, and flyovers. Ms. Michel was responsible for coordination with the prime consultant and numerous agencies as well as QA/QC.
09/10 – 12/12	**I-12 Corridor Stage 0 Feasibility Study and Environmental Inventory:** Ms. Michel was the project manager for this Stage 0 Feasibility study and Environmental Inventory for improvements on approximately 70 miles of Interstate Highway 12 from the town of Walker in Livingston Parish to the I-12/I-59 Interchange in St. Tammany Parish. The regional transportation modeling in TRANSCAD was used for projecting traffic volumes. The corridor study spanned multiple jurisdictions, therefore the Capitol Region Planning Commission's, Regional Planning Commission's and LADOTD statewide transportation models were all utilized for traffic forecasts with and without proposed improvements. Due to her training in TRANSCAD software, Ms. Michel oversaw the use of all three models. The project also included traditional capacity analysis to analyze existing conditions and projected traffic conditions with various alternatives.
01/11 – 04/12	**Neighborhood Planning Stage 0 Feasibility Study:** Ms. Michel was the project manager for a traffic study and analysis for the Neighborhood Planning Stage 0 Feasibility Study for transportation improvements along St. Bernard Avenue between I-610 and Filmore Avenue in the Bayou District neighborhood in New Orleans, LA. The study included data collection, conceptual development plans and a comparative analysis of standard intersections, and roundabouts design using VISSIM modeling. The study was conducted with community involvement that included a planning charette to identify and support livable community goals.

Firm employed by:	**Urban Systems, Inc**				
Name	**Nicole H. Stewart, PE, PTOE**		Years of relevant experience with this employer	**19**	
Title	**Vice President / Transportation Engineer**		Years of relevant experience with other employer(s)	**2**	
Degree(s) / Years / Specialization			**Bachelor of Science/2004/Civil Engineering**		
Active registration number / state / expiration date			**34750/LA/09/30/2027**		
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 / Meets MPR Nos. 5 & 6**		

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. She has experience in signal design and timing of coordinated systems for LADOTD which included developing a system engineering analysis for a new fiber optic communication network. She has experience using Highway Capacity Software (HCS), Synchro, and SIDRA. While her role in this contract will be Traffic Engineering, her experience preparing road widening and full reconstruction plans for LADOTD project will allow seamless integration with the prime's road design plans.
10/13 – 06/14	**US 11 Access Management and Complete Street Improvements Stage 0 Feasibility Study:** The safety analysis of the US 11 corridor in Slidell, LA was conducted by Ms. Stewart. This included applying the Highway Safety Manual's Crash Modification Factor's (CMFs) to the proposed alternatives to estimate the change in crash rate that could be expected with each. Ms. Stewart also calculated the number of conflict points for each type of intersection included in the No Build and Build alternatives including all driveways and cross streets. The conflict points were presented in graphical form and the number of conflict points for the entire corridor were compared to estimate the potential safety benefits of each alternative.
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 changes. She also prepared As-Built plans once the project was completed in August 2019.
03/16 – 01/19	**I-10/Loyola Interchange Improvements:** Ms. Stewart's role in this study was to prepare the conflict points, signage and striping layouts for the two different types interchanges being considered for the I-10 at Loyola Avenue Interchange. One interchange type included multiple fly over ramps and the other was a diverging diamond. Once prepared, Ms. Stewart compared and ranked the conflict points, signage and striping of both alternatives to be used for the safety portion of the Tiered process.
01/09 – 07/10	**Stage 0 Feasibility Study and Environmental Inventory I-10 from I-610 to Twin Spans Increase Capacity and Raise to Prevent Flooding:** Ms. Stewart performed a traffic operations analysis for a Stage 0 Feasibility Study and Environmental Inventory I-10 from I-610 to Twin Spans in Orleans Parish. Ms. Stewart took the lead on this project to determine if capacity improvements were feasible for this congested section of I-10. This study included data collection and analysis of ten major I-10 interchanges. Through analysis and extensive field observations, Ms. Stewart was able to identify specific problems that contributed to the cause of traffic on the I-10 High Rise over the industrial canal including the steep slope of the bridge narrow lanes and the lack of shoulders.

04/08 – 11/10	**LA 431 Corridor Stage 0 Traffic Study:** Ms. Stewart led the efforts as the engineer responsible for the safety analysis in Ascension Parish. The primary focus of the study was to identify the causes of the high number of roadway departures on LA 431 between LA 42 at US 61. Improvements were identified and analyzed for the eight major intersections within the study area. After conducting a review of detailed accident reports, conducting speed studies and intersection analysis, recommendations included converting the LA 431 at LA 42 intersection to a roundabout and installing lighting to reduce nighttime collisions. The roundabout was successfully constructed.
04/10 – 08/11	**LA 447 and I-12 Interchange Stage 0 Feasibility Traffic Study:** This traffic study was conducted by other team members along with Ms. Stewart to evaluate and identify improvements at seven (7) intersections along LA 447 in the vicinity of the I-12 interchange in Livingston Parish. Roundabouts were considered for three (3) of the intersections. Ms. Stewart managed the data collection efforts and traffic assignments forecasting based on Transcad model output classification, speed, and crash data. Ms. Stewart was responsible for the QA/QC of the traffic analyses using Highway Capacity Software and SIDRA.

Firm employed by:	**Urban Systems, Inc**				
Name	**Christine M. Darrah, PE**		Years of relevant experience with this employer	**12**	
Title	**Transportation Engineer**		Years of relevant experience with other employer(s)	**20**	
Degree(s) / Years / Specialization			**Bachelor of Science/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 over thirty (30) years of experience in Civil Engineering and has been specializing in transportation for more than nine (9) years. Ms. Darrah has been both the project manager and the lead analyst for corridor and intersection improvement studies for Stage 0 and Stage 1 projects. She has provided engineering services for the design and analysis of traffic control features on roadway construction projects. She also has experience using MicroStation and TransCAD. This includes 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 and design development.
09/14 – 08/16	**LA 415 Stage 0 Corridor Study:** Ms. Darrah was the team leader for the Stage 0 Corridor study to develop an alternative plan to improve mobility and safety on LA 415 in Port Allen, LA for normal conditions as well as to increase the capacity for throughput during an I-10 mainline detour. The study included traffic volume collection, growth rate development, alternative development, modeling, safety analysis, Tier 1 analysis, and report preparation. VISSIM was used to model the corridor. Modeling the alternatives required base model creation, calibration, and development of projected models for each alternative. She also managed the sub-consultant who prepared the geometric layouts.
03/16 – 01/19	**I-10/Loyola Environmental Assessment Interchange Improvements:** Ms. Darrah assisted the project team that prepared for an Interchange Modification Report for MSY International Airport from I-10. The interchange was recommended to be improved based on the relocation of the airport terminals which will divert traffic through this interchange. Ms. Darrah tasks included working on presentations used for three public outreach events, performing QA/QC for traffic volumes, and preparing the Data Collections Report.
10/10 – 09/15	**Pecue Lane / I-10 Interchange Signal Design:** Ms. Darrah assisted with design and QA/QC for the Pecue Lane / I-10 Interchange traffic signals for the diverging diamond and the signal at the intersection of Pecue Lane at Reiger Road. The signal plans were prepared on the latest LADOTD TSI format. The interstate ramp terminal intersection signals were designed per LADOTD standards and the Reiger Road signal was designed per East Baton Rouge Parish standards. This required close attention to detail given the different equipment requirements and coordination to obtain pay item numbers for East Baton Rouge signal specifications. She reviewed the opinion of probable cost.

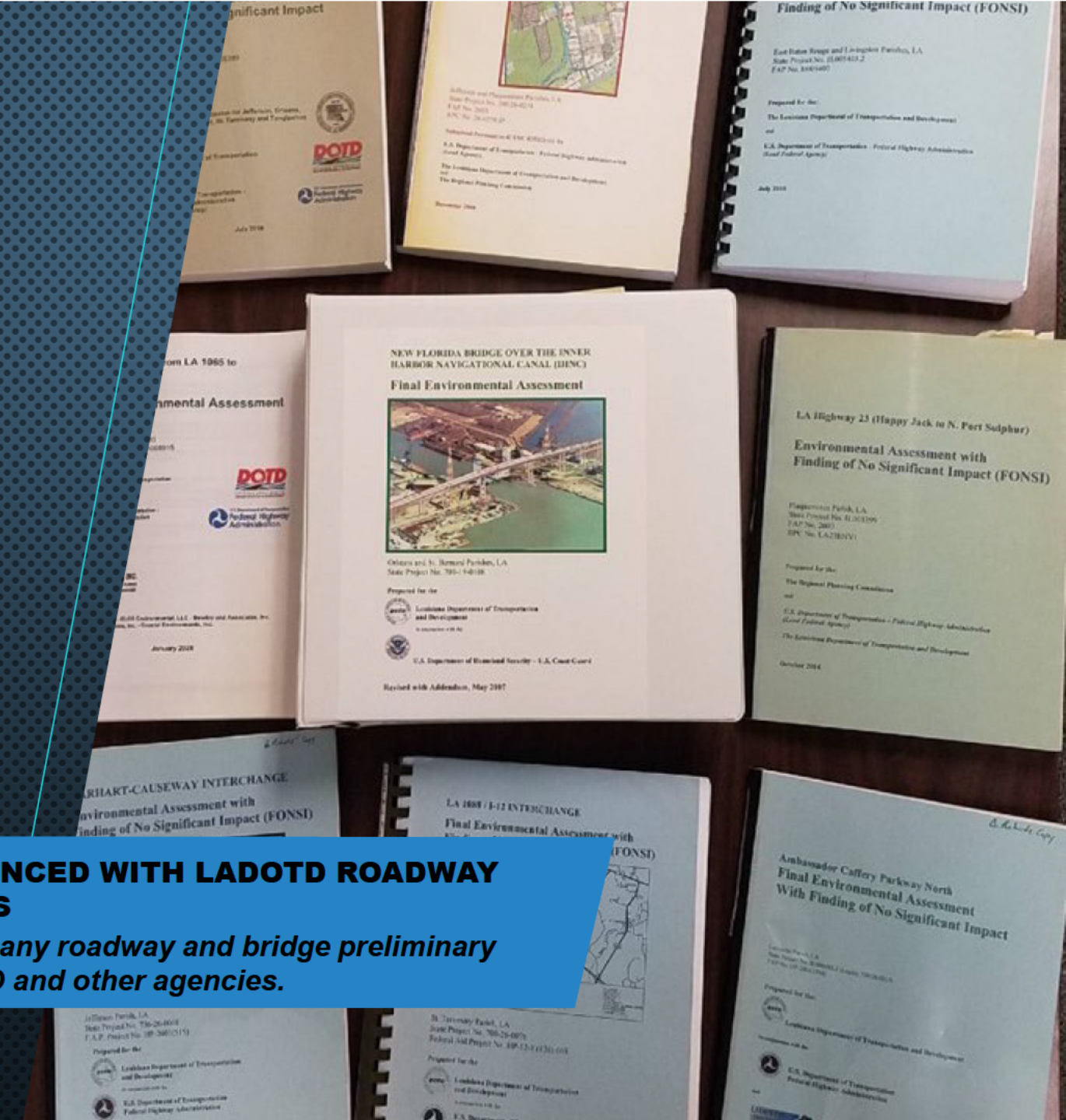
Firm employed by:	**Urban Systems, Inc**				
Name	**Matthew H. Morgan, PE, PTOE**		Years of relevant experience with this employer	**10**	
Title	**Transportation Engineer**		Years of relevant experience with other employer(s)	**0**	
Degree(s) / Years / Specialization			**Bachelor of Science/2004/Civil 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 Engineer**		
Contract role(s) / brief description of responsibilities			**Traffic Engineer / Operational & Safety Analysis / Meets MPR No. 6**		

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 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.
03/19 – 04/22	**LA 3127 Extension Stage 0:** Mr. Morgan led data collection efforts on the study area roadways. He organized obtaining flow and turning movement counts and report guidelines using video cameras and pneumatic tubes. He also assisted in the collection of speed data using hand-held radar devices. Mr. Morgan conducted warrant analysis for turn lanes and traffic signals. He performed travel time runs and assisted with report preparation.
02/17 – 07/19	**I-10 Baton Rouge Washington Dalrymple IMR:** For this Stage 0 feasibility study, the data collection team was led by Mr. Morgan. The data collection was composed of collecting turning movement counts at the intersections and roadway volumes on the interstate. He analyzed existing and future conditions including intersections, freeway segments, ramps, and weaving segments. Mr. Morgan assisted in the generation of the report and appendix and helped meet submission deadlines.
12/19 – 05/20	**Carrollton Enhancements:** Mr. Morgan was a team member for a traffic study focused on increasing safety for pedestrians, cyclists, and drivers adjacent to S Carrollton Ave near I-10 on and off ramps. Mr. Morgan led the acquisition and documentation of traffic data for the study area including vehicle, bicycle and pedestrian traffic. Mr. Morgan evaluated existing and projected conditions at study intersections via HCM software analysis and assisted in the creation of graphical representations of alternative scenarios. He met scheduled deadlines and assisted with the generation of the report and appendix.
06/20 – 08/20	**Old Covington Hwy:** Mr. Morgan led data collection efforts on the study area roadways. He organized counting roadways and turning movements using video camera and pneumatic tubes. Mr. Morgan assisted project engineers with the creation of graphics presenting data, existing analysis using HCM software and report preparation.
03/16 – 08/18	**Future I-49 South Study (Raceland to Westbank Expressway:** The study area spanned US 90 from Raceland to Westbank Expressway. 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 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.

12/20 – 02/22	**City of Bossier As Needed Traffic Engineering Services:** Mr. Morgan was the Project Engineer for this effort to improve mainline progression during peak hours for three principal arterials (LA 3105, LA 3, and US 71) in the City of Bossier, Louisiana. He led the data collection effort which included volume counts, peak period turning movement counts and speed studies. Using Tru-Traffic signal coordination software, Mr. Morgan created models of the existing conditions to be used as baseline and created projected conditions analysis to measure the potential impact of the changes. He collaborated with the City Traffic Engineer who implemented the proposed timing plans. The City Traffic Engineer confirmed observing reduction in travel times and queue lengths.
10/15 – 11/16	**Stage 0 Traffic Signal Timing and Coordination Study:** Mr. Morgan led the data collection effort which included collecting traffic roadway volumes, turning movement volumes, and vehicle classifications on the study corridor. Seven (7) day, twenty-four (24) hour counts were utilized to identify the proposed signal timing plans by Mr. Morgan. He assisted with the quality assurance/quality control (QA/QC) per USI's QA/QC policy for the traffic counts collected for use in existing and proposed traffic analysis. Mr. Morgan performed site visits at each intersection and performed morning, mid-day and evening travel time runs before and after implementing the signal timing improvements. He also assisted in preparing the reports that documented the improvements for each of the identified performance measures that resulted from the implementation of USIs recommendations.

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.

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.

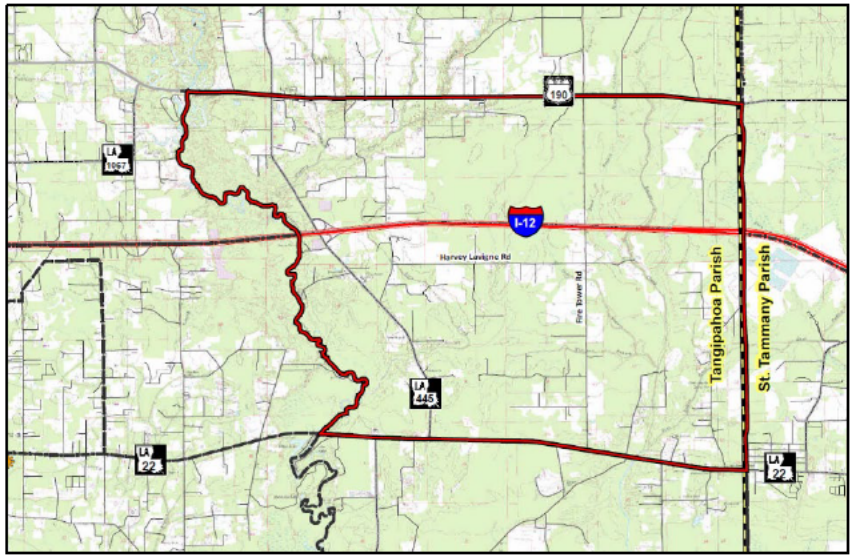
Firm Name	**N-Y Associates, Inc.**	Discipline(s)*	**Planning**
Project name	**1. Firetower Rd./ LA 445: Stage 0 Feasibility Study**	Firm responsibility (prime or sub?)	**Sub**
Project number	**H.015968**	Owner's name	**Regional Planning Commission**
Project location	**Tangipahoa Parish, LA**	Owner's Project Manager	**Jeffrey Roesel, AICP**
Owner's address, phone, email	**1201 10 Veterans Blvd., New Orleans, LA 70124 / (504) 483-8528; jroesel@norpc.org**		
Services commenced by this firm (mm/yy)	**03/25**	Total consultant contract cost ($1,000's)	**$275**
Services completed by this firm (mm/yy)	**12/25**	Cost of consultant services provided by this firm ($1,000's)	**$96**

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

This Stage 0 Study focuses on the vicinity of Firetower Road and LA 445 in the Bedico area of Eastern Tangipahoa Parish. The project area limits are LA 22 to the south, US 190 to the north, the Tangipahoa River to the west, and LA 1085 to the east.

- The Metropolitan Transportation Plan (MTP) for FY 2023 to 2052 for the south Tangipahoa urbanized area calls for capacity projects for US 190, I-12 and LA 22 in this area. The MTP further calls for upgrades of the north-south roadways of LA 445 and Firetower Road, both of which connect to US 190 and LA 22 directly. LA 445 has an interchange with I-12. Firetower Road has an overpass, but not an interchange with I-12.

- The purpose of this Stage 0 Study is to determine the high-level costs, feasibility and potential environmental concerns of project initiatives identified in roadway capacity projects for the north-south corridors of Firetower Rd and LA 445, from LA 22 south to US 190 in eastern Tangipahoa Parish, as identified in the MTP. **This will include an assessment of a new multi-directional interchange at Firetower Road and I-12 and improvements to the interchange at LA 445 and I-12.**



N-Y MEMBERS
B. Richards, AICP, PTP
J. Simmons, PE
C. Nicoladis, PE
M. Nicoladis, EI, MBA
F. Mortali, PE
L. Jemison, AICP
D. Voss, NICET

ELOS Environmental, LLC and Urban Systems, Inc. are working with N-Y on this project.

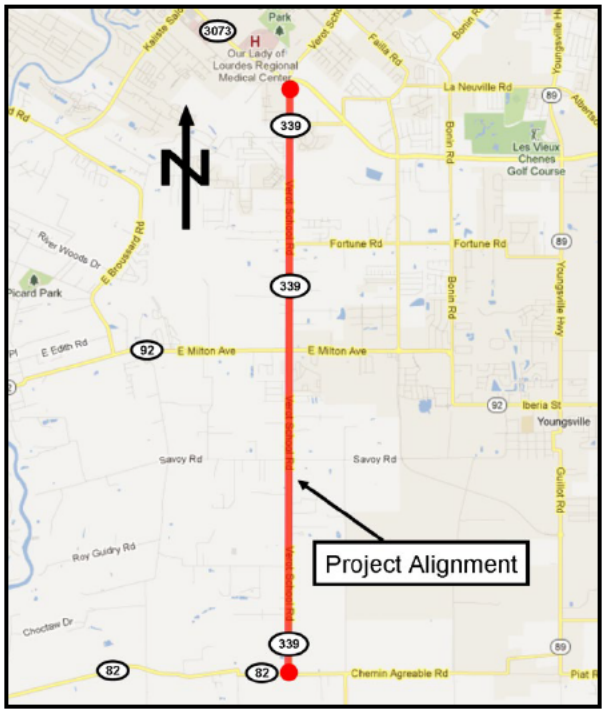
Firm Name	N-Y Associates, Inc.		Discipline(s)*		Planning
Project name	2. Stage 0 Feasibility Study, LA 339 Widening			Firm responsibility (prime or sub?)	Prime
Project number	H.009214	Owner's name	LADOTD		
Project location	Lafayette Parish, LA		Owner's Project Manager	Connie P. Betts, PE	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802 / (225) 379-1297 / connie.porter@la.gov				
Services commenced by this firm (mm/yy)	09/12	Total consultant contract cost ($1,000's)	$462		
Services completed by this firm (mm/yy)	01/15	Cost of consultant services provided by this firm ($1,000's)	$269		

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

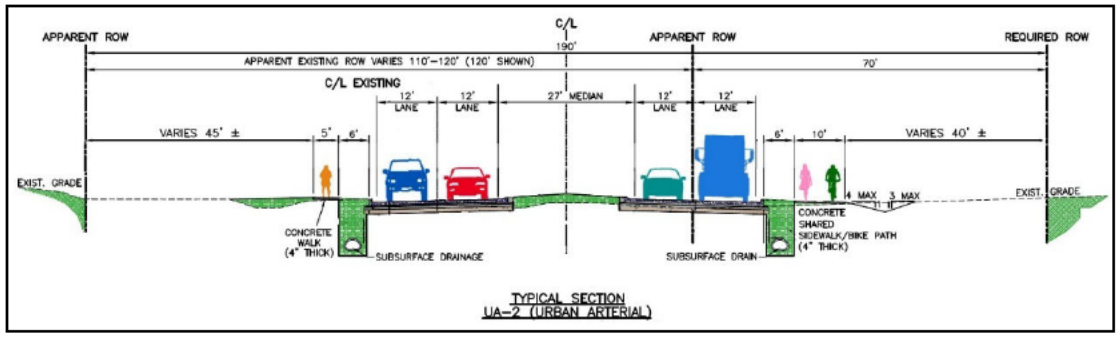
This Stage 0 Study examined the feasibility of widening LA Highway 339 (Verot School Road) from Ambassador Caffery Parkway (LA 3073) to Chemin Agreable Road (LA 82/LA 734) in Lafayette Parish. Several innovative methods of improving traffic flow were explored in this project, in addition to adding lanes. **These included roundabout intersections, superstreets, extending or building streets for new connection points, closing/limiting or sharing access points including driveways, and signal optimization. The project also addressed the LADOTD Complete Streets Policy, and the conceptual design included sidewalks and shared use bike/pedestrian paths.**

Due to the extent of traffic analysis involved in this project, the Study was divided into two (2) phases:

- **Phase I** included development of design criteria and typical sections; "no-build" conditions traffic impact analyses; environmental documentation; and concept development and evaluation to determine which feasible alternative(s) would be further explored.
- **Phase II** included conceptual engineering, cost estimates, and traffic impact analysis (including traffic simulation modeling) on the feasible alternative(s) decided upon at the end of Phase I; a public meeting; and production of the final Stage 0 document.



Urban Systems, Inc. worked with N-Y on this project.



N-Y MEMBERS
B. Richards, AICP, PTP
J. Simmons, PE
F. Nicoladis, PE
M. Nicoladis, EI, MBA
L. Jemison, AICP
D. Voss, CET

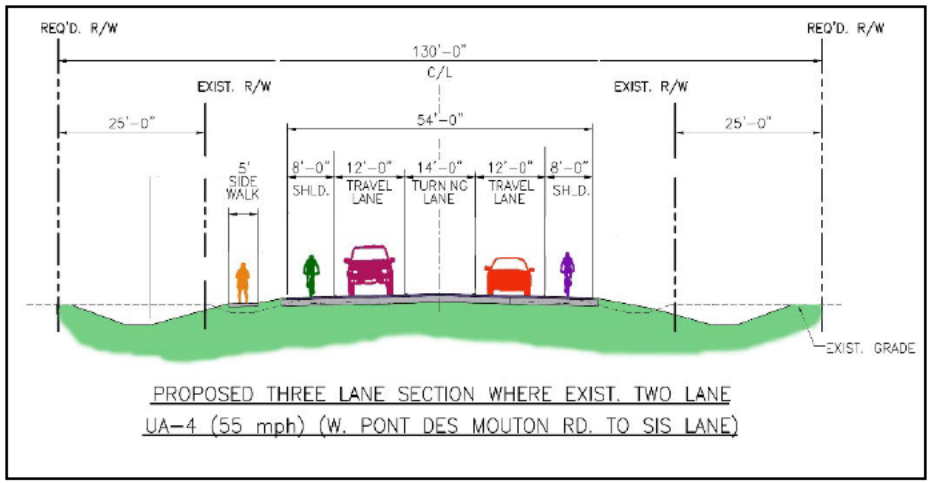
Firm Name	N-Y Associates, Inc.			Discipline(s)*	Planning
Project name	3. Stage 0 Feasibility Study, LA 182 Widening, I-49 to W. Pont des Moutons Road			Firm responsibility (prime or sub?)	Prime
Project number	H.009215.1	Owner's name	LADOTD		
Project location	Lafayette Parish, LA			Owner's Project Manager	Connie P. Betts, PE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802 / (225) 379-1297 / connie.porter@la.gov				
Services commenced by this firm (mm/yy)	07/12	Total consultant contract cost ($1,000's)	$527		
Services completed by this firm (mm/yy)	10/14	Cost of consultant services provided by this firm ($1,000's)	$338		

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

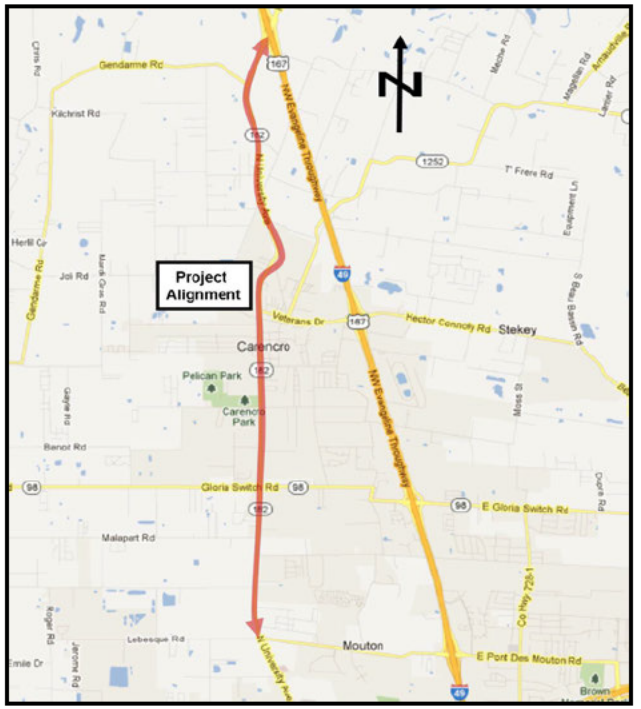
This Stage 0 Study examined the feasibility of widening LA Highway 182 (North University Avenue) from West Pont des Mouton Road to I-49 in Lafayette Parish. Several innovative methods of improving traffic flow were explored in this project, in addition to adding lanes. **These included roundabout intersections, superstreets, extending or building streets for new connection points, closing/limiting or sharing access points including driveways, and signal optimization. The project also addressed the LADOTD Complete Streets Policy, and the conceptual design included new sidewalks and new 8 ft. paved shoulders, suitable for bicycle use.**

Due to the extent of traffic analysis involved in this project, the Study was divided into two (2) phases:

- **Phase I** included development of design criteria and typical sections; "no-build" conditions traffic impact analyses; environmental documentation; and concept development and evaluation to determine which feasible alternative(s) would be further explored.
- **Phase II** included conceptual engineering, cost estimates, and traffic impact analysis (including traffic simulation modeling) on the feasible alternative(s) decided upon at the end of Phase I; a public meeting; and production of the final Stage 0 document.



PROPOSED THREE LANE SECTION WHERE EXIST. TWO LANE UA-4 (55 mph) (W. PONT DES MOUTON RD. TO SIS LANE)



N-Y MEMBERS
B. Richards, AICP, PTP
J. Simmons, PE
F. Nicoladis, PE
M. Nicoladis, EI, MBA
L. Jemison, AICP
D. Voss, NICET

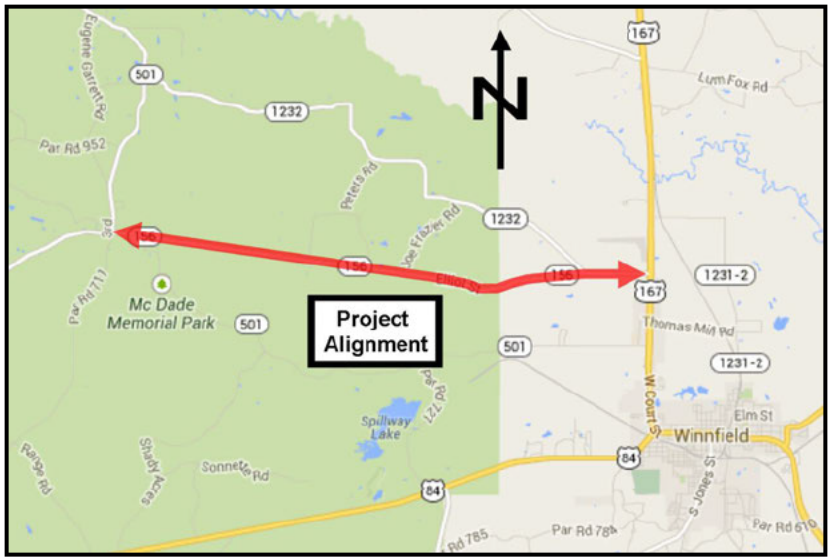
Urban Systems, Inc. worked with N-Y on this project.

Firm Name	N-Y Associates, Inc.		Discipline(s)*		Planning
Project name	4. Stage 0 Feasibility Study, LA 156 Roadway Improvements, Calvin to US 167		Firm responsibility (prime or sub?)		Prime
Project number	H.010081	Owner's name	LADOTD		
Project location	Winn Parish, LA		Owner's Project Manager	Connie P. Betts, PE	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802 / (225) 379-1297 / connie.porter@la.gov				
Services commenced by this firm (mm/yy)	03/13	Total consultant contract cost ($1,000's)	$246		
Services completed by this firm (mm/yy)	04/14	Cost of consultant services provided by this firm ($1,000's)	$191		

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

This Stage 0 Study examined the feasibility of making safety improvements to LA Highway 156 from Calvin, LA to the intersection of US 167 in Winn Parish.

- **Proposed improvements included operational improvements such as signage, and physical improvements, such as straightening of curves.**



N-Y MEMBERS
B. Richards, AICP, PTP
J. Simmons, PE
F. Nicoladis, PE
M. Nicoladis, EI, MBA
D. Voss, NICET

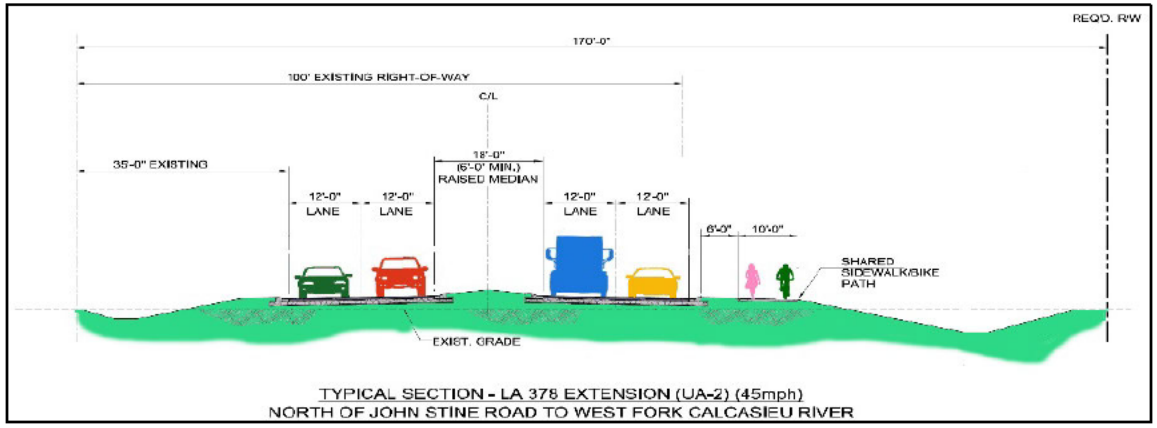
Urban Systems, Inc. worked with N-Y on this project.

Firm Name	N-Y Associates, Inc.	Discipline(s)*	Planning
Project name	5. Stage 0 Feasibility Study, LA 378 Improvements, I-10 Ramps (Westlake) to LA 378 (Moss Bluff)	Firm responsibility (prime or sub?)	Prime
Project number	H.009488.1	Owner's name	LADOTD
Project location	Calcasieu Parish, LA	Owner's Project Manager	Connie P. Betts, PE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802 / (225) 379-1297 / connie.porter@la.gov		
Services commenced by this firm (mm/yy)	12/12	Total consultant contract cost ($1,000's)	$351
Services completed by this firm (mm/yy)	03/14	Cost of consultant services provided by this firm ($1,000's)	$214

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

This Stage 0 Study examined the feasibility of making improvements and adding capacity to LA Highway 378 from the I-10 ramps in the Town of Westlake to the LA 378 Spur in the community of Moss Bluff in Calcasieu Parish. The existing LA 378 consists of a five lane section from I-10 to John Stine Road and a two lane undivided section from John Stine Road to LA 378 Spur.

- **Proposed improvements included operational improvements to the five lane section and widening the two lane section to a four lane divided section.**
- **This study included Complete Streets as part of the conceptual design and included a 10 ft. wide shared use path for bicyclists and pedestrians.**



TYPICAL SECTION - LA 378 EXTENSION (UA-2) (45mph)
NORTH OF JOHN STINE ROAD TO WEST FORK CALCASIEU RIVER

Urban Systems, Inc. worked with N-Y on this project.

N-Y MEMBERS
B. Richards, AICP, PTP
J. Simmons, PE
F. Nicoladis, PE
M. Nicoladis, EI, MBA
L. Jemison, AICP
D. Voss, NICET

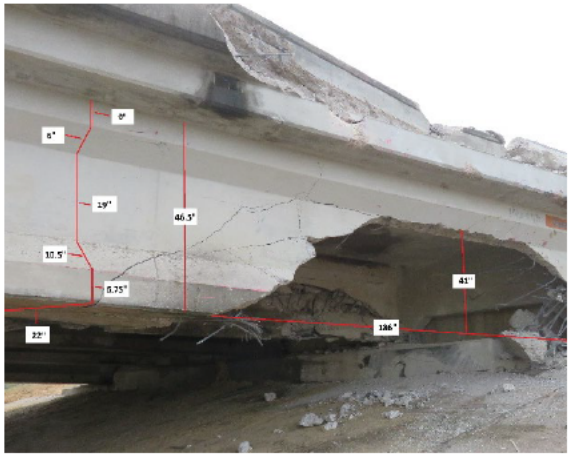
Firm Name	HDR Engineering, Inc.			Discipline(s)*	Bridge, Road
Project name	6. LA 577 Overpass Repair Over I-20 Phases 1 & 2			Firm responsibility (prime or sub?)	Prime
Project number	H.015472	Owner's name	LADOTD		
Project location	Waverly, LA			Owner's Project Manager	Phillip Grasso
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802 / (225) 379-1412 / phillip.grasso@la.gov				
Services commenced by this firm (mm/yy)	11/22	Total consultant contract cost ($1,000's)	$241.4		
Services completed by this firm (mm/yy)	07/23	Cost of consultant services provided by this firm ($1,000's)	$241.4		

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

HDR assisted with an emergency site inspection and assessed the condition of a prestressed, precast concrete girder overpass bridge (built in the late 1960s) across I-20 that was struck by a dump truck. Work was authorized using HDR's Bridge Preservation IDIQ contract (Task Orders 1 and 2). The first two girders were damaged beyond repair with secondary damage to the middle girder and abutment cap.

HDR's Phase 1 design consisted of developing plans, specifications, and cost estimate (PS&E) for the phased demolition of the west side of the damaged span to get a single lane of traffic back open on the eastern portion of the bridge. The remaining section is supported by three girders total (two undamaged and one partially damaged). A load rating analysis was completed as part of the demolition design as well as traffic control layout and signage for the temporary condition. HDR's Phase 2 design involved the split phased design of a replacement span. The existing girders were AASHTO Type 3 (interior) and 4 (exterior). In discussion with LaDOTD, HDR decided to utilize AASHTO Type 3 girders for the replacement and added an additional girder due to the split phased construction. The existing substructure was modified to accommodate the new girder layout while the existing substructure was analyzed for the new loading configuration. Additional load rating analysis was developed for the interim and final conditions of the span. The guard rail was designed to match the old "post and beam" section that was prevalent during that period. Traffic control layout and signage for phased construction and the final condition

HDR MEMBERS
Wesley Jacobs, PE
Sarah DeMoya, PE
Edwin Rydell, PhD, AICP



Firm Name	HDR Engineering, Inc.			Discipline(s)*	Bridge, Road, Traffic
Project name	7. FM 528 Extension SH 6 to SH 35 Business			Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	City of Alvin		
Project location	Alvin, TX			Owner's Project Manager	Michelle Segovia
Owner's address, phone, email	1100 West Highway 6, Alvin, TX 77511 / (281) 388-4351/ msegovia@cityofalvin.com				
Services commenced by this firm (mm/yy)	05/18	Total consultant contract cost ($1,000's)	$1,450		
Services completed by this firm (mm/yy)	06/22	Cost of consultant services provided by this firm ($1,000's)	$1,450		

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

HDR developed a geometric schematic of the project showing the project to be built in two phases. The ultimate build out will include two lanes in each direction (four lanes total) and a sidewalk along the south side of the road. The design of Phase 1 provided two lanes (one lane in each direction) and the sidewalk. Phase 2 is planned to be designed and constructed in the future.

HDR provided PS&E for the design of a new two-lane curbed roadway, a new grade separation (overpass) over the existing Burlington Northern Santa Fe (BNSF) railroad tracks, storm sewer, detention ponds, illumination, traffic control plans, signing and pavement marking, utilities, and SWPPP. HDR also prepared the traffic analysis report, geotechnical and drainage reports. HDR completed designs according to TxDOT design criteria along with the UPRR/BNSF railroad criteria for grade separation structures. HDR completed the planning, design and details for a 1,000-ft long bridge overpass crossing over the existing BNSF railroad tracks with Mechanically Stabilized Earth (MSE) retaining walls at each end of the bridge. HDR designed and detailed- sound walls between the road and adjacent residential neighborhoods, aesthetic treatments to bridge columns, embankments, fill slopes, drainage, safety lighting and new pavement. Additionally, HDR designed a new signalized intersection at SH 35B (Gordon Street) and modified signal timing at SH 6.

HDR MEMBERS
Sarah DeMoya, PE
Edwin Rydell, PhD, AICP

Firm Name	HDR Engineering, Inc.			Discipline(s)*	Other (Benefit-Cost Analysis)
Project name	8. Gordon Drive Viaduct Reconstruction Project			Firm responsibility (prime or sub?)	Prime
Project number	10403461	Owner's name	Iowa Department of Transportation (IADOT)		
Project location	Sioux City, IA			Owner's Project Manager	Charlie Purcell
Owner's address, phone, email	800 Lincoln Way, Ames, IA 50010 / (515) 239-1592 / charlie.purcell@iowadot.us				
Services commenced by this firm (mm/yy)	06/24	Total consultant contract cost ($1,000's)	$221.8		
Services completed by this firm (mm/yy)	07/24	Cost of consultant services provided by this firm ($1,000's)	$221.8		

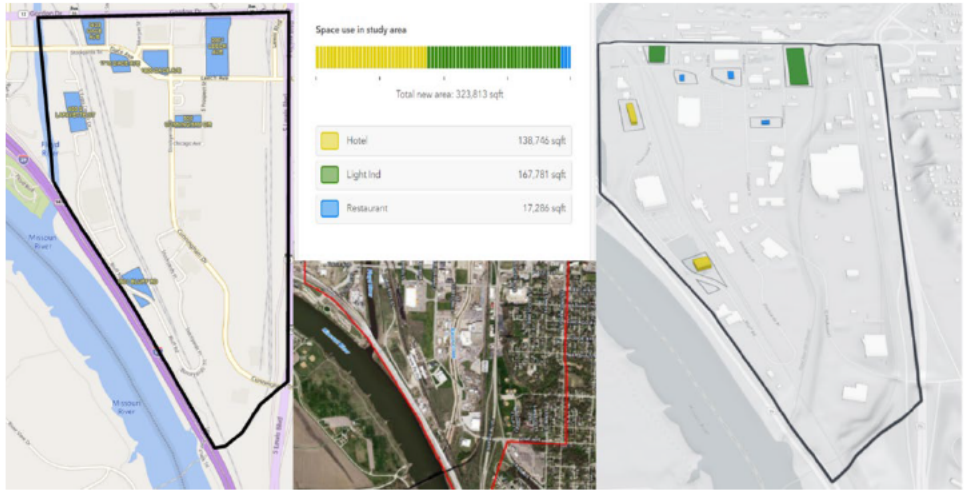
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

HDR is providing grant on-call services to IADOT. This is part of a larger grant application that included hydraulics and hydrology (H&H), traffic, and safety analyses. HDR's initial economics approach was to conduct a benefit-cost analysis (BCA) of the viaduct redevelopment, but additional questions were posed as to the redevelopment's economic development potential.

The Gordon Drive Viaduct Replacement project is expected to generate additional economic benefits through the various construction phases before direct roadway user benefits are observed. The project will improve traffic conditions and add a new intersection at Cunningham Drive, significantly improving connectivity to the area south of Gordon Drive, north of I-29, between Floyd River and Lewis Boulevard. This enables development opportunities in and around this area, which is the last underdeveloped area near downtown Sioux City.

HDR engaged with various stakeholders, including officials from the City of Sioux City and the Siouxland Chamber of Commerce, to assist in guiding the selection of the types of development desired. This information, along with material from the Sioux City Comprehensive Plan and the Sioux City "Design Works" Guidelines, helped us to develop a mixture of potential businesses identified to either provide amenity support to the Expo Center (restaurants and hotels) or enable warehousing or distribution center capabilities of the area. Based on the guidance documents and stakeholder engagements, seven land parcels within the study area are identified as potential locations for the desired business developments.

HDR MEMBERS
Dallas DeFord, MS
Edwin Rydell, PhD, AICP



Firm Name	ELOS Environmental, LLC			Past Performance Evaluation Discipline(s)*	Environmental
Project name	9. DOTD Stage 0 IDIQ			Firm responsibility (prime or sub?)	Sub
Project number	Multiple H numbers	Owner's name	(LADOTD) Prime Contractor: Gresham Smith		
Project location	Louisiana		Owner's Project Manager	Richard Savoie	
Owner's address, phone, email	10000 Perkins Rowe, Ste 280, Baton Rouge, LA 70810/ (225) 960-5483/ richard.savoie@greshamsmith.com				
Services commenced by this firm (mm/yy)	08/23	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)		$13.1	

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

LADOTD contracted with Gresham Smith to provide multiple Stage 0 Checklists through an IDIQ contract for upcoming projects. To date, ELOS has been contracted by Gresham Smith to complete the Stage 0 Checklist for two projects.

The first project is to add two lanes to the intersection of LA 3089 Service Road and LA 70 in Donaldsville, Louisiana (H.010074). The lanes are designed to improve traffic flow and safety. ELOS completed the Stage 0 Checklist providing demographic information, maps, site photologs, and researched outcomes for wetlands, threatened and endangered species, Native American tribes, scenic streams, community information, LDEQ/EPA database information, registered wells, and other environmental concerns.

The second project is to replace Lafourche Bayou Bridge on Willow Street (formerly Old LA 182) in Raceland, Louisiana, thereby increasing safety and providing for vehicular and navigational traffic (H.015616.1). ELOS is completing the Stage 0 Checklist, which includes providing demographic information, maps, site photologs, and researched outcomes for wetlands, threatened and endangered species, Native American tribes, scenic streams, community information, LDEQ/EPA database information, registered wells, and other environmental concerns.

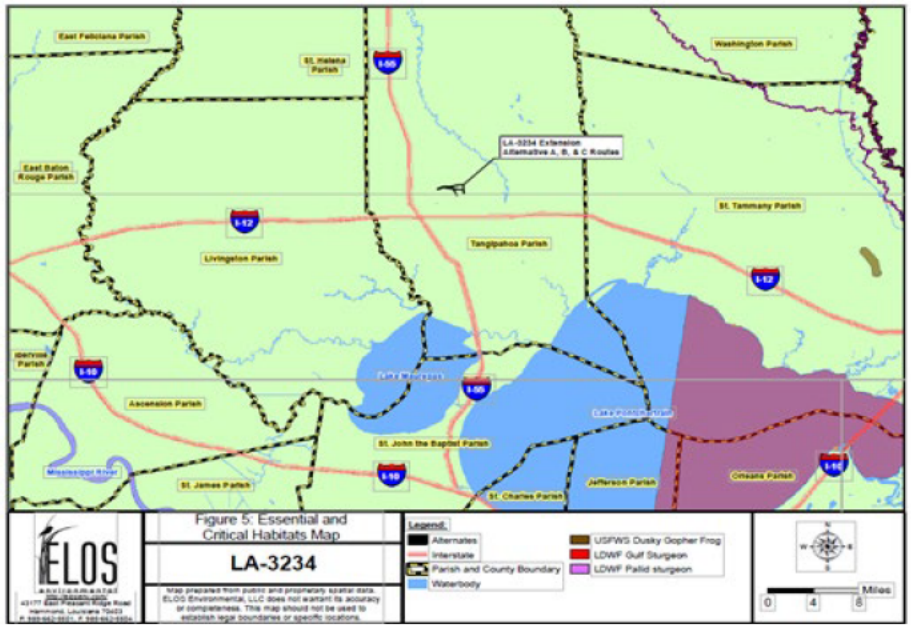
ELOS MEMBERS
Lucas Watkins, MS
Brian Fortson, BS
Cory Ricks, BS, CFM
Basile Dardar, BS

Firm Name	ELOS Environmental, LLC	Past Performance Evaluation Discipline(s)*	Environmental
Project name	10. LA-3234 Extension	Firm responsibility (prime or sub?)	Sub
Project number	H.008915	Owner's name	Regional Planning Commission
Project location	Tangipahoa Parish, LA	Owner's Project Manager	Bruce J. Richards
Owner's address, phone, email	2750 Lake Villa Drive, Metairie, LA 70002 / (504) 885-0500 ext. 108 / brichards@n-yassociates.com		
Services commenced by this firm (mm/yy)	01/17	Total consultant contract cost ($1,000's)	$100
Services completed by this firm (mm/yy)	08/19	Cost of consultant services provided by this firm ($1,000's)	$100

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

ELOS was contracted to provide environmental services for LA-3234 Extension from LA-1065 to the Hammond Airport. These services included preparing estimates of environmental mitigation cost where ELOS estimated the cost of mitigation of any unavoidable environmental impacts, such as wetland mitigation, hazardous waste mitigation, or cultural resource mitigation. A wetland delineation was performed to establish an opinion on the presence and potential extent of jurisdictional "wetlands" and/or "other waters of the U.S." in accordance with the requirements of the U.S. Army Corps of Engineers. A Phase I Environmental Site Assessment was conducted based on the information contained in the feasibility study. The Phase I ESA has four components: Records Review, Site Reconnaissance, Interviews, and Reporting. During ELOS's field surveys, a Biological Survey was conducted for threatened and/or endangered species suspected to be in the project area. ELOS confirmed all federally and state listed species within the project area prior field surveys via desktop investigation.

ELOS MEMBERS
Lucas Watkins, MS
Brian Fortson, BS
Cory Ricks, BS, CFM
Basile Dardar, BS



Firm Name	ELOS Environmental, LLC			Past Performance Evaluation Discipline(s)*	Environmental
Project name	11. Roadway Pavement Rehabilitation Work for Tangipahoa Parish			Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	Tangipahoa Parish Government		
Project location	Tangipahoa Parish, LA		Owner's Project Manager		
Owner's address, phone, email	Mulberry Street, Amite City, LA 70422 / (985) 634-0706 / kgreer@tangipahoa.org				
Services commenced by this firm (mm/yy)	01/23	Total consultant contract cost ($1,000's)		$21	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)		$21	

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

ELOS Environmental, LLC (ELOS) has been contracted by the Tangipahoa Parish Government to conduct Stage 0 Environmental Checklists for three separate roadway segments located in south Tangipahoa Parish, Louisiana. This project aims to thoroughly assess the potential impacts of the proposed projects on the human and natural environment. The Stage 0 Environmental Checklist process involves a comprehensive review of the projects, data collection, and evaluation of various environmental factors. ELOS professionals will gather data on infrastructure, land use, hydrological features, vegetation, wildlife, and other relevant factors for each roadway segment. Additionally, site visits to each roadway location will be conducted to obtain first-hand information and better understand the existing conditions.

The collected data will be meticulously analyzed to assess the potential environmental impacts of the proposed roadway projects. ELOS professionals will evaluate factors such as air and water quality, noise levels, biodiversity, and habitat disruption. By completing the Stage 0 Environmental Checklists, ELOS will document the findings, identify potential issues, and propose mitigation measures to minimize adverse effects. Compliance with environmental regulations and guidelines will be a key focus throughout the assessment process. The Stage 0 Environmental Checklists will serve as a basis for informed decision-making, ensuring that the Tangipahoa Parish Government is equipped with comprehensive information and recommendations regarding the potential impacts of the roadway projects on the human and natural environment.

ELOS MEMBERS
Lucas Watkins, MS
Cory Ricks, BS, CFM
Michael Hill, BS

Firm Name	Urban Systems, Inc			Discipline(s)*	Traffic
Project name	12. LA 3127 Extension Stage 0 Traffic Study			Firm responsibility (prime or sub?)	Sub
Project number	ENG-17-013	Owner's name		Ascension Parish/LADOTD	
Project location	West Baton Rouge Parish, LA			Owner's Project Manager	Christopher Ewing, PE, PLS, PTOE
Owner's address, phone, email	1201 Capital Access Rd., Baton Rouge, LA 70802-4438 / (225) 389-2111/ Christopher.ewing@la.gov				
Services commenced by this firm (mm/yy)		04/19	Total consultant contract cost ($1,000's)		N/A
Services completed by this firm (mm/yy)		04/20	Cost of consultant services provided by this firm ($1,000's)		$147

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

To date the project included the initial and final data collection that will be used in a traffic study to extend LA 3127 in two phases in Ascension Parish, Louisiana. The objectives of the traffic study was to evaluate the existing traffic conditions within the study area, estimate traffic volumes and to develop the appropriate lane configurations and traffic control at the roadway extension termini intersections.

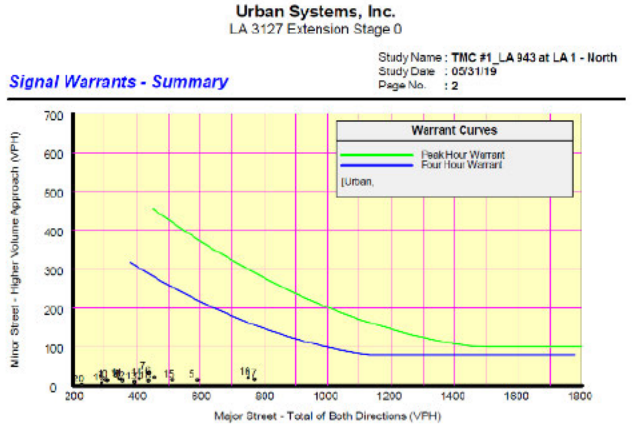
This project was one of the first projects to use LADOTD Traffic Engineering Process and Report (TEPR) for data collection. The LADOTD TEPR was developed by LADOTD to outline the requirements for a traffic study. Urban Systems prepared the deliverables for the kickoff meeting including the scope, schedule, scope checklist, count locations and methodology for observations.

The Initial Data Collection was the first deliverable and included 7-day/ twenty-four (24) hour counts with classification at 8 locations. The data was graphed, and two peak periods were selected for additional data collection.

Final Data Collection– Turning movement counts (TMC) were collected at 12 intersections during the peak periods. 48-hour counts were collected on the TMC approaches to verify the TMC data and to aid in selecting a peak hour. Field observations were conducted at all signalized intersections. The observations included details on the intersection operations, queues and unmet demand. The method was to document the queue length and/or unmet demand at least once every 15 minutes during the peak period:

- The queue (number of vehicles) at each approach at the end of the red signal indication
- The number of vehicles at each approach at the end of the green signal indication (unmet demand)

A speed study, travel time analysis and signal warrant analysis were also conducted. The methodology and results will be summarized per the TEPR requirement in a report.



URBAN MEMBERS
Alison Catarella Michel, PE
Nicole Stewart, PE
Matthew Morgan, PE

Firm Name	Urban Systems, Inc		Discipline(s)*	Traffic	
Project name	13. Retainer Contract for Stage 0 Studies		Firm responsibility (prime or sub?)	Sub	
Project number	H.010081.1	Owner's name	LADOTD		
Project location	Statewide		Owner's Project Manager	Connie Porter Betts	
Owner's address, phone, email	1201 Capital Access Rd., Baton Rouge, LA 70802-4438 / (225) 379-1297 / Connie.Porter@la.gov				
Services commenced by this firm (mm/yy)	04/11	Total consultant contract cost ($1,000's)		N/A	
Services completed by this firm (mm/yy)	10/14	Cost of consultant services provided by this firm ($1,000's)		$587	

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

Urban Systems had the privilege of teaming with N-Y Associates for a previous LADOTD Retainer Contract for Stage 0 Feasibility Studies and Environmental Assessments for transportation improvements across Louisiana focusing on safety, capacity and corridor planning.

The **Hooper Road Extension Route LA Hwy 408 Stage 0 Feasibility Study** examined the feasibility of extending Hooper Road from its existing terminus at LA 37/64 in East Baton Rouge Parish to LA 16 in Livingston Parish. The study included field investigations, traffic data collection, intersection and roadway capacity analyses, warrant analyses, and cost estimations for proposed modifications.

For the **LA 182 Widening (W. Pont des Mouton Road to I-49) Stage 0 Feasibility Study**, Urban Systems assessed safety improvements and capacity enhancements for North University Avenue in Lafayette Parish. USI identified congestion issues at major intersections and analyzed potential solutions such as widening the roadway, adding turn lanes, retrofitting roundabouts, and signal retiming. VISSIM micro-simulation modeling and crash analyses were utilized to compare build alternative concepts.

The **LA 378 Improvements (Westlake to Moss Bluff) Stage 0 Feasibility Study and Environmental Inventory** focused on optimizing traffic flow and safety between I-10 and Sam Houston Parkway in Calcasieu Parish. Urban Systems conducted traffic signal warrant analyses, turn lane warrant analyses, and evaluated alternatives evaluations, including the introduction of a median, superstreets, U-turns, and roundabouts. VISSIM models were used to assess the traffic impact of various design alternatives, and a public meeting was held to present the findings.

As part of the **Statewide Stage 0 Feasibility Study for LA 156 (Calvin to US 167)** in Winn Parish, Urban Systems evaluated the need for safety improvements along the corridor. The study identified crash patterns and recommended low-cost safety measures such as pavement marking enhancements, advance warning signage, and rumble strips. Multiple safety improvement concepts were compared using the Highway Safety Manual's predictive method.

These projects demonstrate Urban Systems' extensive experience in traffic studies, for stage 0 feasibility assessments for LADOTD to assist with data-driven decisions for infrastructure improvements in collaboration with N-Y Associates.

URBAN MEMBERS
Alison Michel, PE
Nicole Stewart, PE
Matthew Morgan, PE

Firm Name	Urban Systems, Inc	Discipline(s)*	Traffic
Project name	14. Stage 0 Feasibility Study – City of Gretna Westbank Expressway (US 90) Access Roads and Primary Intersection Improvements	Firm responsibility (prime or sub?)	Sub
Project number	RPC Task A-2.18;FY-18 UPWP	Owner's name	Regional Planning Commission
Project location	New Orleans, LA	Owner's Project Manager	Jeff Roesel, AICP
Owner's address, phone, email	110 Veterans Memorial Blvd, New Orleans / (504) 483-8555 / jroesel@norpc.org		
Services commenced by this firm (mm/yy)	12/19	Total consultant contract cost ($1,000's)	$50
Services completed by this firm (mm/yy)	04/20	Cost of consultant services provided by this firm ($1,000's)	$24

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

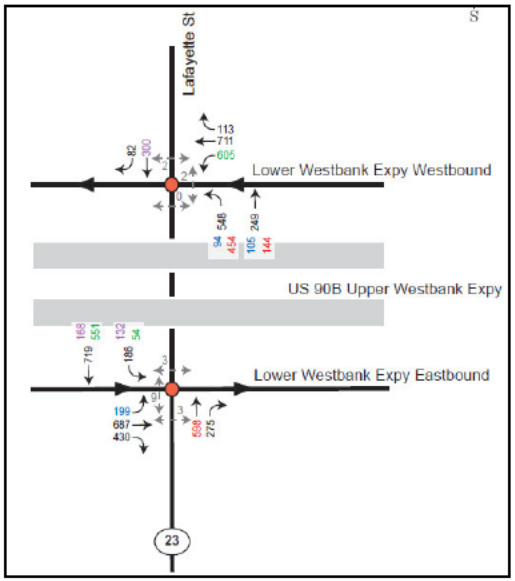
Urban Systems was tasked with providing Professional Traffic Engineering services for a Stage 0 Feasibility Study in the City of Gretna.

Urban Systems' role in the project began with collecting traffic data at the intersections of US 90 Business (Westbank Expressway) at LA 23 and Lafayette St. Forty-eight hour approach counts and turning movement counts were both collected. Urban Systems personnel collected queue and unmet demand counts in the field and conducted geometric field checks to review existing Traffic Signal Inventories.

A unique part of the traffic data collection was the determination of origin/destination counts. The close proximity of the signalized intersections made the vehicle origin/destination information very important.

Urban Systems also conducted existing conditions capacity analysis of the US 90 Business (Westbank Expressway) at LA 23 and Lafayette St intersections. The existing conditions capacity analysis was conducted to aide in determining potential intersection improvements to improve operating conditions.

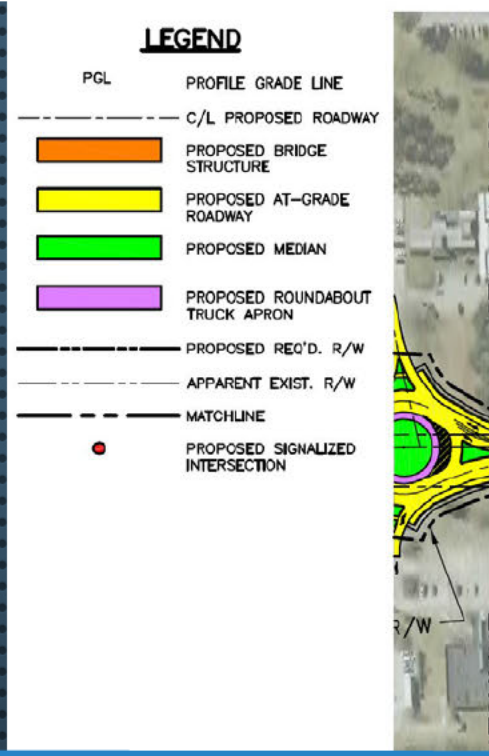
A review of the field observations and existing conditions capacity analysis led to multiple low cost intersection improvements to be studied in more detail in Stage 1.

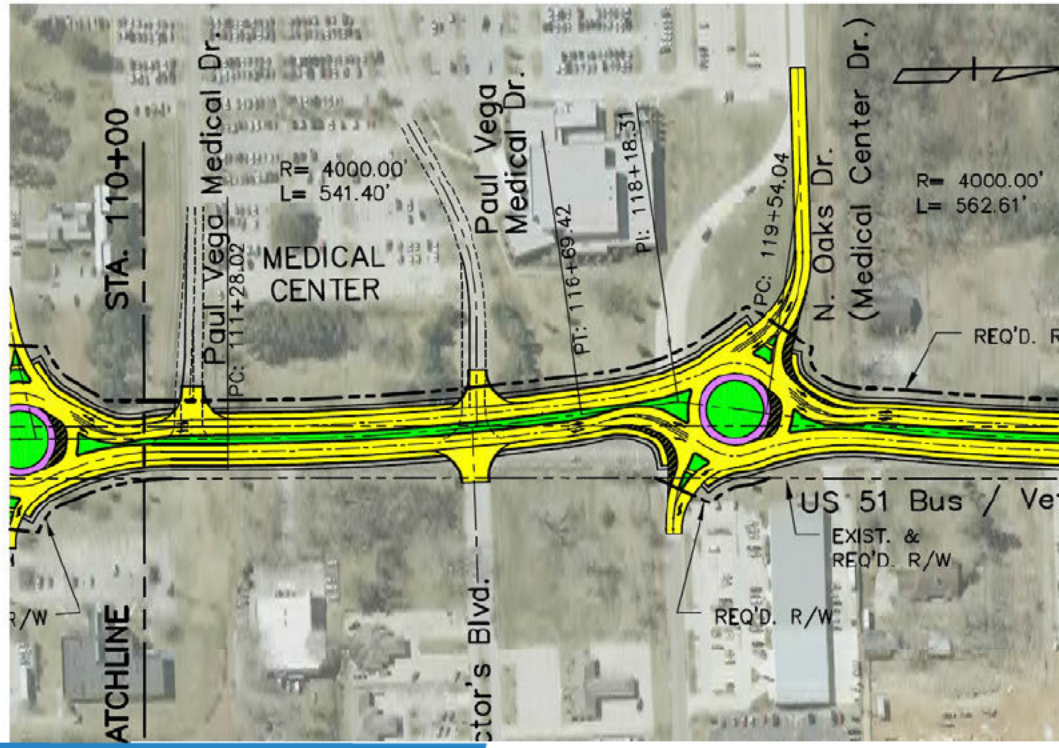


URBAN MEMBERS
Alison Michel, PE
Matthew Morgan, PE

SECTION

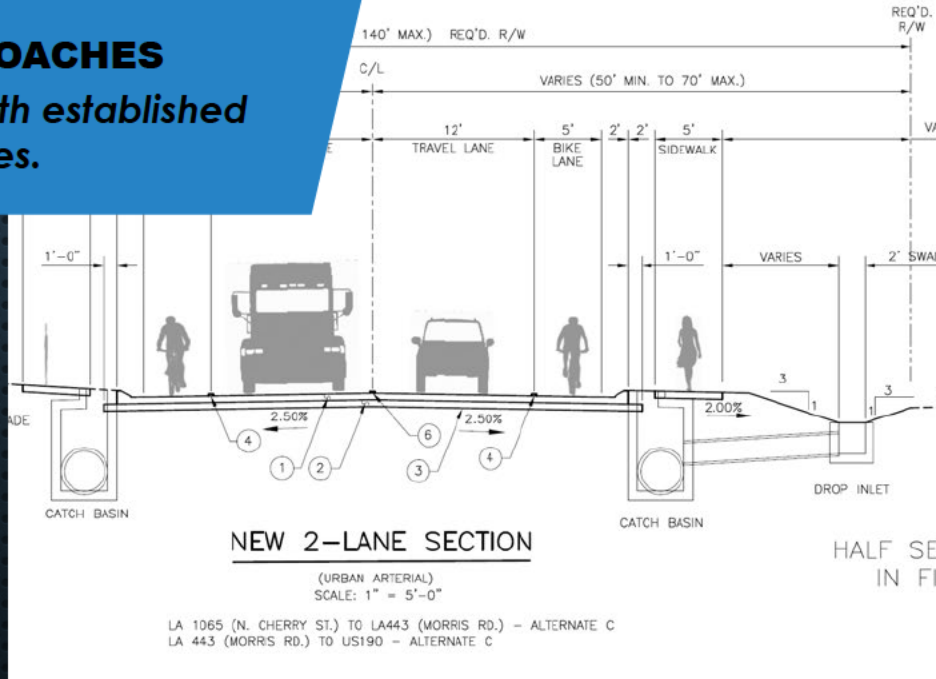
18





WE HAVE A PROVEN YET INNOVATIVE APPROACHES

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



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.**

The N-Y Team

The successful completion of task orders under this IDIQ contract will require an experienced, capable, Integrated Team that is familiar with LADOTD Stage 0: Studies procedures and practices.

N-Y Associates has completed ten (10) Stage 0 Studies for the LADOTD and the Regional Planning Commission and has just begun working on the 11th. Five of these were completed under an LADOTD IDIQ contract for Stage 0 Studies which we completed in 2014. These studies included highway and roadway improvements (including intersection and interchange improvements), bridge widening and replacement, safety improvements (horizontal and vertical geometry), signage and striping improvements, and access management improvements. Nearly all of our Stage 0 Studies have addressed the LADOTD Complete Street Policy and included conceptual designs that had new pedestrian and bicycle facilities.

As a result of this extensive experience, we have developed working relationships with LADOTD, parish and local governments, and Metropolitan Planning Organizations across the state. Our focus via this spectrum of relationships is not only to complete the tasks for our client (the LADOTD) but to do so in manner that addresses local concerns and needs, with context-sensitive design.

As prime consultant, **N-Y** will lead the overall management of the project and also lead two discrete tasks. N-Y's engineers will lead *roadway work*, including conceptual design, right-of-way, and conceptual cost estimates. N-Y's planning section will oversee all environmental tasks, taking the lead on *human environmental constraints and impacts*, as well as *public outreach*.

HDR, a nationwide firm with a solid Louisiana presence, will also lead specific tasks and assist in others. HDR's engineers will lead *bridge work*, including conceptual design, right-of-way, and conceptual cost estimates. HDR's Economic and Finance section will lead *Discretionary Grant Preparation*. HDR's planners will also support N-Y's planners and assist in public outreach.

Urban Systems, has worked with N-Y on numerous projects over the past 25 years and will serve as lead on all *traffic data and analysis*, a key part of LADOTD's Stage 0 process. **ELOS Environmental**, which has also worked with N-Y since its inception almost 20 years ago, will take the lead on all *natural environmental constraints and impacts* (wetlands, threatened and endangered species, etc.) as well as *cultural resources / archaeology and hazardous waste sites*. Urban Systems and ELOS will also participate in the public outreach process.

The N-Y team is a highly integrated team with combined expertise and capabilities that surpasses the requirements for completing Stage 0 Studies.

How the Work will be Performed

A. Project Initiation Meeting *(N-Y, HDR, Urban Systems, ELOS)*

Stage 0 Studies typically begin with a project initiation meeting, held at LADOTD Headquarters. We will review the history of the project, including any problems and issues with the current transportation facility, any previous work associated with the project, and discuss possible options to address those problems. The meeting is also a good opportunity to discuss what types of data or information are available from the agencies and jurisdictional governments to assist in the completion of this project (aerials; GIS data, previous CAD drawings, etc.). The meeting also provides an early forum to obtain the views of various stakeholder agencies and local governments towards the proposed project. Finally, the project scope and schedule will be discussed and agreed to.

B. Discuss and Explain the Purpose and Need for the Project *(N-Y, HDR, Urban Systems)*

This is, of course, one of the first tasks that must be addressed in any project that may go through the NEPA process. We have found that by the time a project is undertaken by the consultant in the Stage 0 process, the stakeholders involved (local/regional governments and LADOTD; local citizens) usually have a relatively good idea of the purpose and need for the project (reduce traffic congestion, improve safety, reduce travel time and distance, etc.). The job for the consultant is to work with the stakeholders and develop that Purpose and Need to give it better definition and detail and pass muster in the NEPA process.

C. Project Research and Data *(N-Y, HDR, Urban Systems, ELOS)*

The next step is to perform research (outside of any gained during the project initiation meeting) which may include obtaining information about the origin of the project, the funding history, transportation plan of the area and other important issues that may exist. Copies of all as-built roadway and bridge plans will also be obtained.

Nearly all of the Stage 0 projects that N-Y has completed include traffic analysis, and under this task our subconsultant, Urban Systems, will obtain both existing traffic counts and will undertake additional traffic counts as required (including such specialized counts as turning movements and truck volumes) and will research safety and accident data.

The various members of the team will also conduct site investigations of the project. Site visits shall consist of gathering sufficient field information for developing an understanding of the physical, engineering, and environmental features of the site and will includee recording the observed site conditions with photographs or videos. Data collected during site investigations will

include unique items related to roadway and bridge alignment and engineering; signal operation; land uses; structure types and vacancy status for structures within the vicinity of project alternatives; environmental conditions; utilities and their and owners; and cultural resources.

***D. Traffic Study** (Urban Systems)*

Nearly all of the Stage 0 Studies we have completed included traffic analysis, and thus required a Traffic Study for the purpose of obtaining both existing and projected future traffic volumes. In addition to the traffic research and data tasks mentioned previously, this will also typically include trip volume generation, traffic assignments and forecasting, traffic analysis, crash data review/safety analysis, and completion of a Traffic Study Report, portions of which are incorporated into the Stage 0 Study Report.

***E. Alternatives Development** (N-Y, HDR, Urban Systems, ELOS)*

This task includes the geometric layouts and engineering portion of the study. Our N-Y team first analyzes the data acquired on all **existing utilities** that are within the potential limits of the project, in an effort to minimize utility relocation costs and impacts.

Our team then develops **design criteria** for the existing infrastructure and possible new design criteria if there are expected to be major changes. We will complete a table documenting the design criteria that will be used, which must be reviewed and approved by LADOTD prior to advancing typical sections and project alternatives.

We will prepare roadway and/or bridge typical sections for each of the proposed alternatives, based upon the design criteria and roadway functional classifications. The typical sections may vary by location along the proposed route due to traffic volumes, level of service, design criteria selected, access control, median and shoulder treatments, and intersection treatments. We will submit the typical sections to LADOTD for review.

The team then **develops to an appropriate level of detail the geometric layout of reasonable alternatives** using findings from the traffic study, aerial photography, and the approved design criteria. We will also develop conceptual profile drawings if required.

***F. Preliminary Cost Estimate** (N-Y, HDR, Urban Systems, ELOS)*

We then **develop a preliminary cost estimate** for each proposed project alternative. We utilize recent LADOTD unit bid price averages for major construction items, noting that all costs are based upon current year estimates for planning purposes. The cost estimates includes costs for not only roadway and bridge construction, but also for all new intersection improvements, temporary traffic control, utility relocations costs, anticipated right-of-way for acquisition and potential commercial and/or residential relocation costs. Environmental (i.e. document, mitigation, etc.) costs, and design engineering costs are also included.

***G. Environmental Documentation** (N-Y, ELOS)*

After completing field investigations and researching internet websites as described in Task 3, and during the development of the project alternatives, we will determine any potential environmental "show stopping" constraints or issues that influence early determinations of the project's feasibility, timing, and cost to both the natural and human environment. We will also identify any major community issues that may be impacted by the project during construction and operational phases of the project. The LADOTD's Stage 0 Environmental Checklist will be utilized to document the results of this preliminary environmental review. We will assess any potential mitigation cost that could possibly be incurred in future stages of the development of the project for each project alternative studied in the report.

***H. Alternative Evaluation** (N-Y, HDR)*

Utilizing the concept level plans and other data acquired, each alternative layout will be analyzed and evaluated utilizing both qualitative and quantitative criteria such as capacity, safety, operations, right-of-way requirements, displacements, utility relocations, construction cost, environmental constraints, constructability (including phasing), and maintenance costs. are used. An evaluation matrix for each alternative will be prepared.

***I. Public Meeting** (N-Y, HDR, Urban Systems, ELOS)*

Upon completion of general research and development of the project alternatives , we anticipate holding a public meeting for the purpose of (1) informing the public of the project, (2) presenting the alternatives under consideration to the public, and (3) obtaining public comment and opinions relative to the purpose and need of the project, as well as preference and other input on the proposed project alternatives.

The N-Y team will prepare appropriate exhibits, prepare and distribute public comment forms with return mailing address for the purpose of collecting public views, and prepare and distribute a public meeting summary. We will also coordinate the meeting venue and time, and prepare all public advertisements for the meeting. We can also prepare for and hold virtual public meetings via web-based services.

***J. Meetings and Coordination** (N-Y, HDR, Urban Systems, ELOS)*

In addition to the Project Initiation Meeting and Public Meeting as described earlier, our team over the life of the project will attend other meetings as required, such as meetings with LADOTD to review the Traffic Study, to review the proposed project alternatives and to review comments on the draft report. We will also coordinate with LADOTD during the Stage 0 Process on all ancillary items, such as budget, invoicing and schedule.

K. Report Documents (N-Y, HDR)

At project's end, we will document the process and compile all key findings into a draft Stage 0 Study. In addition to the narrative text, graphics and tables, the document will also include the LADOTD's Environmental Checklist and all other items and checklists as outlined in LADOTD's Stage 0 Manual, Stage 0: Manual of Standard Practices. Upon review of the draft report by LADOTD and other agencies, we will address all items/questions identified during the review process and submit a final revised report signed and sealed by a licensed professional engineer, only after approval from the LADOTD project manager to submit the final report.

L. Discretionary Grant Programs (N-Y, HDR)

As per the Scope of Work, the Consultant shall assist the LADOTD with the preparation of applications for Discretionary Grant Programs, including *Project Administration, Data Collection* to address the grant program criteria, *Developing a Benefit-Cost Analysis* using quantitative and qualitative data, and *Preparation of the Discretionary Grant Program Application.*

The N-Y team is ready to meet the challenge of these tasks. Lydia Jemison, AICP, is well-versed in preparing grant applications, having completed many for parish governments and ports. N-Y has completed benefit-cost analyses for past projects, including the *Zachary Taylor Parkway Phase II Study* and the *Reserve to St. John Connector Environmental Impact Statement*. **HDR has an *Economics and Finance Division* including an entire section devoted to Grant Preparations. HDR will lead this task with N-Y in a support role.**

Sample Schedule

While each Stage 0 Study can be very different in terms of scope, size and duration depending on the type of project involved, provided on the following page is a sample schedule for a typical Stage 0 Study that identifies the major milestones, deliverables, tasks, etc., to demonstrate sufficient understanding of a typical task order. (Note: This schedule only includes the time frame for completion a typical Stage 0 Study and not the Discretionary Grant Program Application process.)

Typical Stage 0 Feasibility Study Schedule

TASKS	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9
A. Project Initiation Meeting									
B. Discuss and Explain the Purpose and Need for the Project									
C. Project Research and Data									
D. Traffic Study									
E. Alternative Development									
F. Preliminary Cost Estimate									
G. Environmental Documentation									
H. Alternative Evaluation									
I. Public Meeting									
J. Meetings and Coordination									
K. Draft Report									
L. LADOTD Review									
M. Final 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.

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
HDR Engineering, Inc.	Other (Hydraulic Modeling)	4400017091	DOTD LWI Region 5 TO4 - Project # 10403496	$900,866
	Bridge	4400024186/ H.015472	LADOTD Br Preservation TO4 - Project # 10390676	$112,015
	Planning	4400026365	Baton Rouge to New Orleans Rail Corridor Environmental Study – Project # 10368719	$707,777
	Planning	4400018780	LADOTD IDIQ SHSP_TO2 - Project # 10366533	$28,307
	Planning	4400018780	LADOTD IDIQ SHSP_TO3 - Project # 10412666	$97,239
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
Urban Systems, Inc	Traffic	4400022581/H011221.5/ H.011222.5	I-10: N.O CBD3 (Poydras-Louisa) & I-10: N.O CBD4 (Louisa-I-510)	$40,965
	Traffic	4400023909/H.015963.5	US 165: Red River MB Ped Gates	$5,000

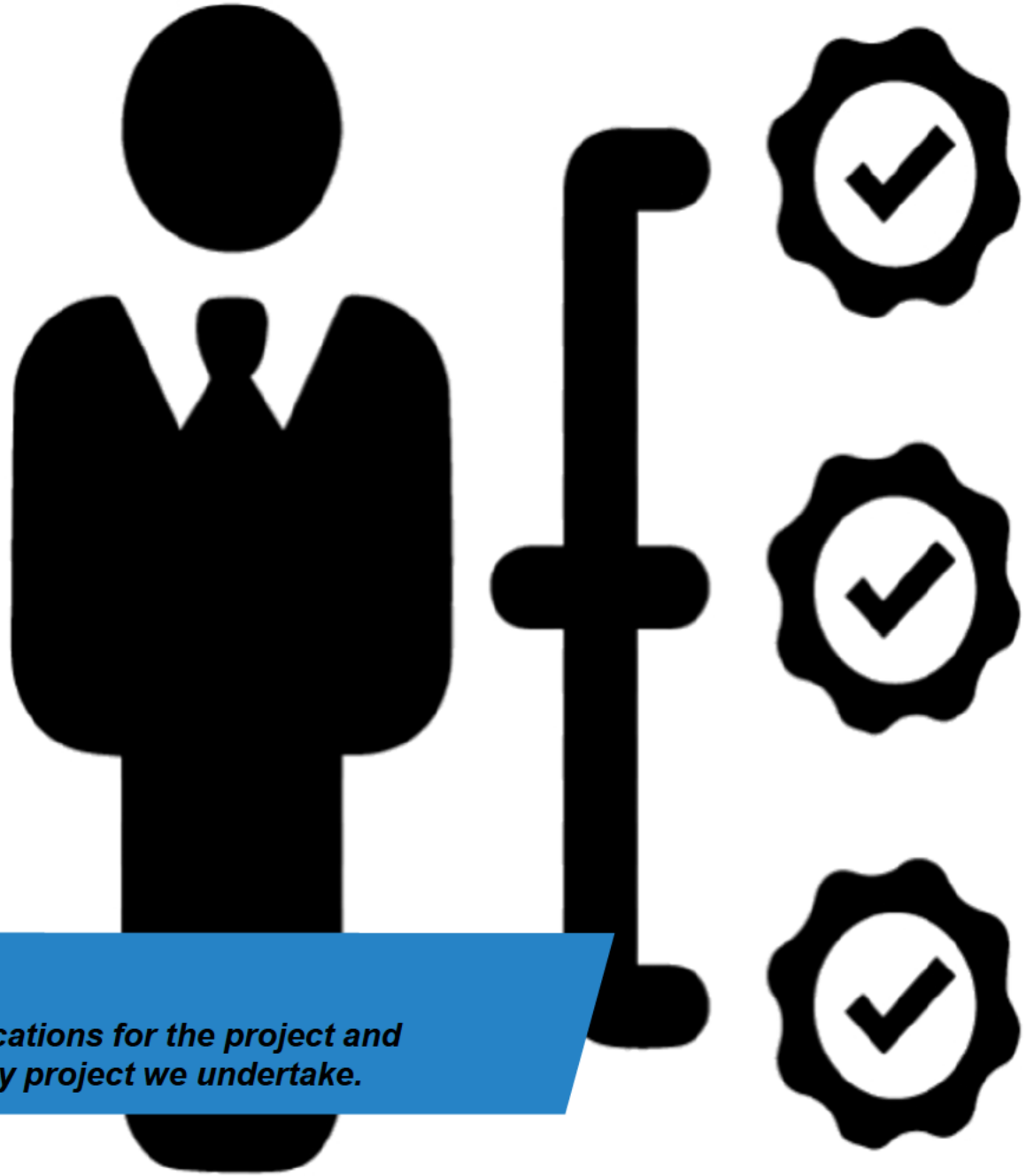
DO NOT SUM

* 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.

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

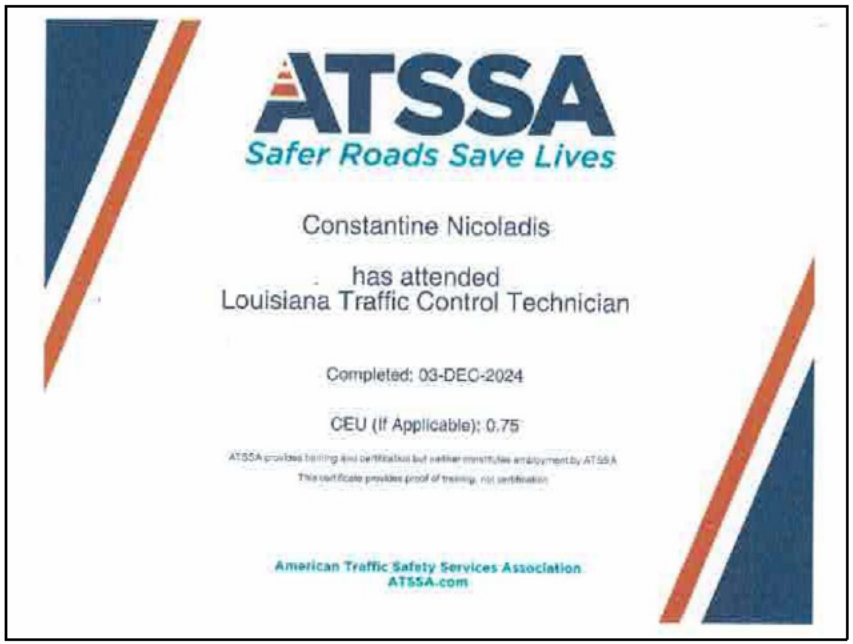
Vice President of Education and Technical Services

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

ATSSA TRAINED

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

Vice President of Education and Technical Services

New Orleans, 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

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 CERTIFIED

PROOF OF CERTIFICATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

Christine Darrah

THIS INDIVIDUAL IS CERTIFIED BY ATSSA AS A

Louisiana Traffic Control Supervisor

This certified individual has demonstrated a thorough knowledge of the standards, guidelines and practices of traffic control in highway construction and maintenance work areas; has completed all the requirements of the American Traffic Safety Services Association Certification Program to the satisfaction of the Certification Board; and is hereby awarded the above designation. This certified individual is fully entitled to all the rights and privileges associated with this designation. This certificate will remain in effect until the expiration date noted herein unless otherwise revoked by action of the Certification Board.

ISSUE DATE 4/8/2021
EXPIRATION DATE 4/7/2025
CERTIFICATION# 873755

ATSSA American Traffic Safety Services Association ATSSA.com

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Christine Darrah
has attended
Traffic Control Supervisor-LA State Specific
Training Course

4/7/2021 to 4/8/2025
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

Highway Safety Manual Workshop

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

NATIONAL HIGHWAY INSTITUTE

Garrick Rose

has participated in

NEPA and Transportation Decision Making

hosted by
LA DOTD/LTRC

Date: March 18-20, 2008
Location: Baton Rouge, LA
Hours of Instruction: 18

Instructor
Instructor
Local Coordinator
Joseph S. Toole, Associate Administrator
Office of Professional and Corporate Development

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NATIONAL HIGHWAY INSTITUTE

Lisa Wadsworth

has participated in

FHWA-NHI-142005 NEPA and the Transportation Decision-making Process

hosted by

LA DOTD/LTRC

Date: April 5-7, 2016
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

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 ***Hours of Instruction:*** 18
Location: Baton Rouge, LA

Instructor — Allison H. Landry, Local Coordinator

Brennan S Collier, Instructor — 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

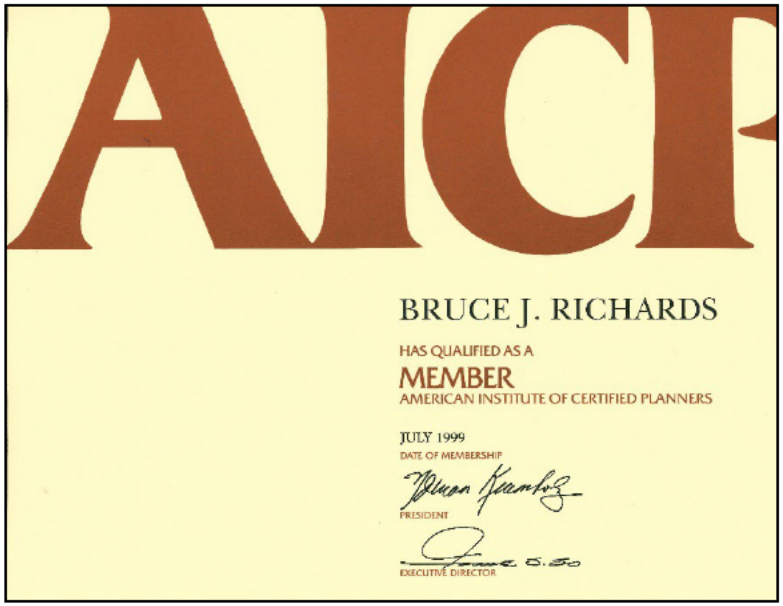
LA DOTD/LTRC

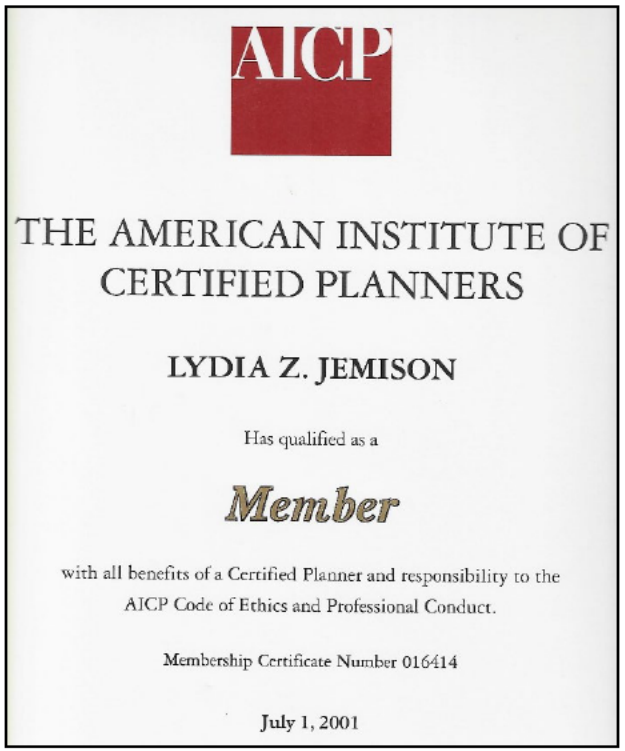
Date: May 28-30, 2014 ***Hours of Instruction:*** 18
Location: Baton Rouge, LA

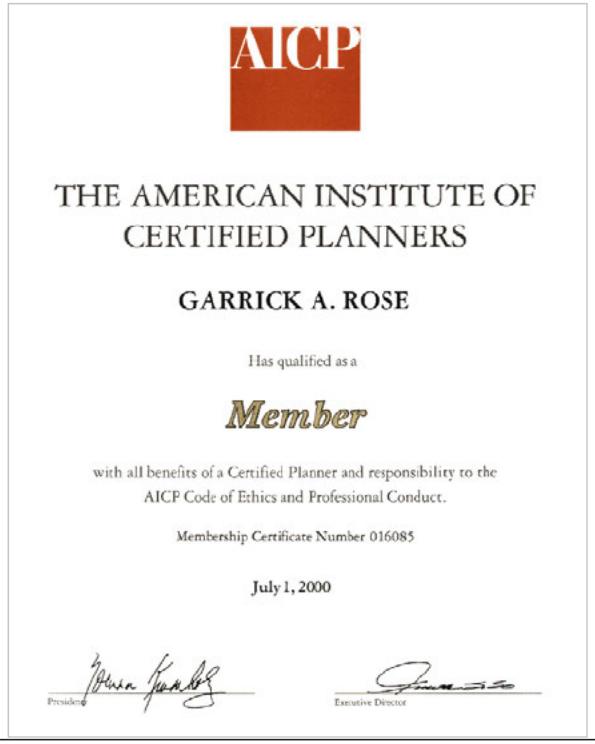
Instructor — Allison H. Landry, Local Coordinator

Instructor — Richard Barnaby, Director, National Highway Institute

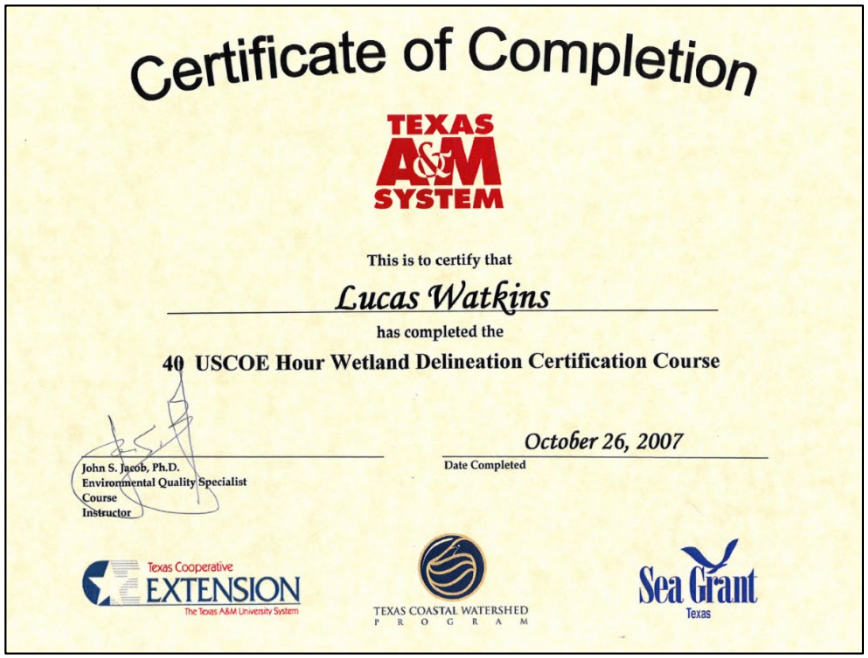
American Institute of Certified Planners







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

PTP
PROFESSIONAL
TRANSPORTATION
PLANNER

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

PTP
PROFESSIONAL
TRANSPORTATION
PLANNER

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

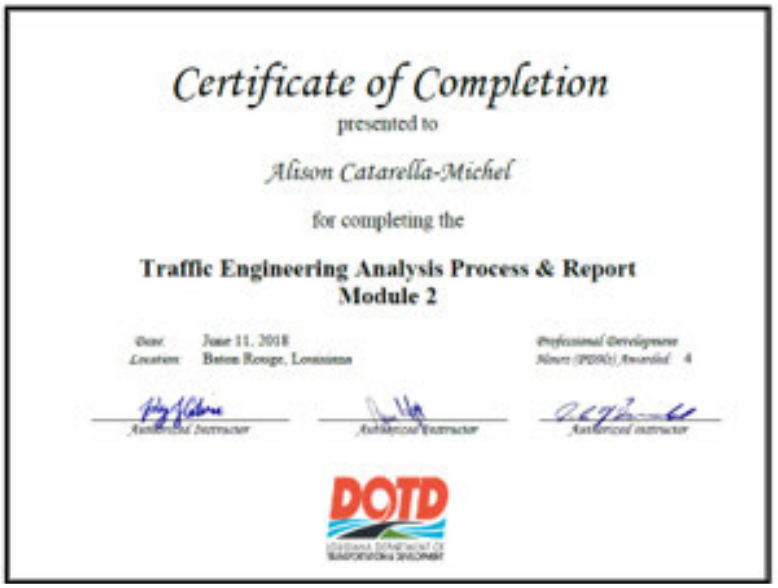
Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 4

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD



Certificate of Completion

presented to

Alison Catarella-Michel

for completing the

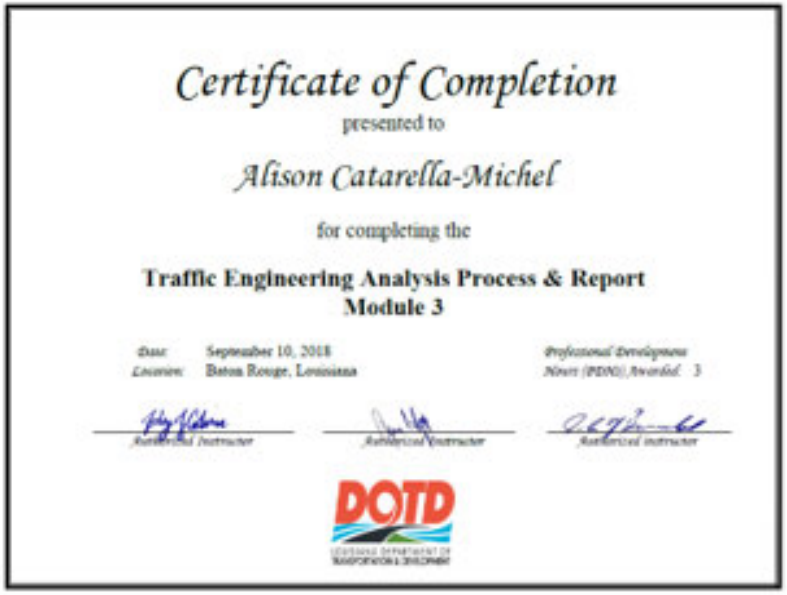
Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 4

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD



Certificate of Completion

presented to

Alison Catarella-Michel

for completing the

Traffic Engineering Analysis Process & Report
Module 3

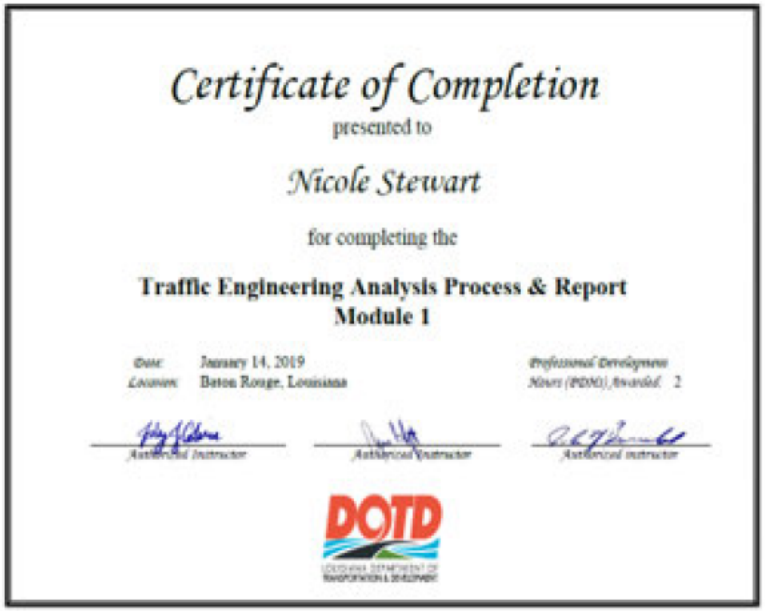
Date: September 10, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

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

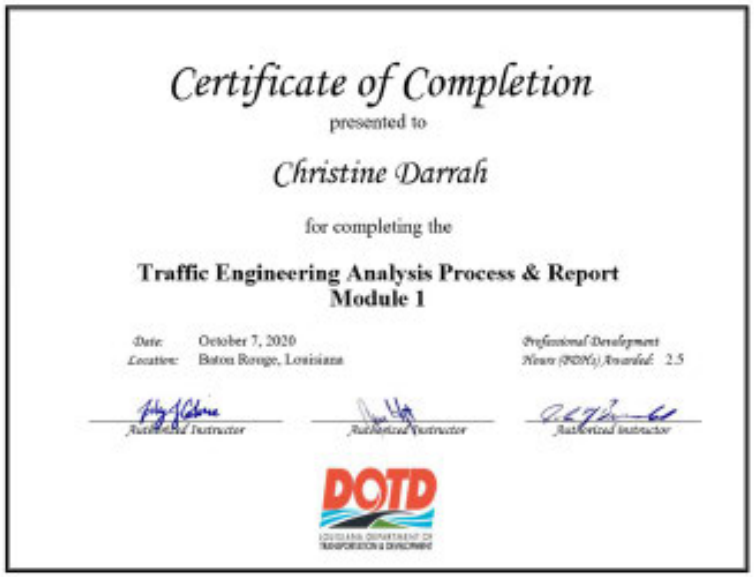
Date: January 15, 2019
Location: Baton Rouge, Louisiana

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

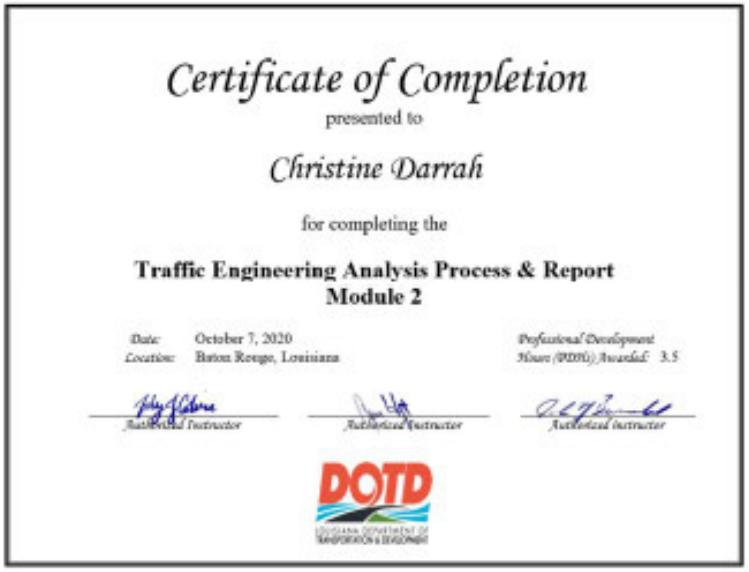
Traffic Engineering Analysis Process & Report
Module 1

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 offered 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:
HDR Engineering, Incorporated	1917 South 67th Street Omaha, Nebraska 68106

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0001231	Active	07/23/1985	03/31/2026	Mr. Brett L. Geesey # PE.0035172

Firm Professional Engineering and Land Surveying Licenses

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

Louisiana Secretary of State

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

Louisiana Secretary of State

Louisiana SECRETARY OF STATE NANCY LANDRY

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Name	Type	City	Status
HDR ENGINEERING, INC.	Business Corporation (Non-Louisiana)	OMAHA	Active

Previous Names
HDR INFRASTRUCTURE, INC. (Changed: 12/3/1987)

Business: HDR ENGINEERING, INC.
Charter Number: 34178558F
Registration Date: 6/17/1985

Domicile Address
1917 S. 67TH STREET
OMAHA, NE 68106

Mailing Address
1917 S. 67TH STREET
OMAHA, NE 68106

Principal Business Office
1917 S. 67TH STREET
OMAHA, NE 68106

Registered Office in Louisiana
201 RUE BEAUREGARD, STE. 202
LAFAYETTE, LA 70508

Principal Business Establishment in Louisiana
5750 JOHNSTON STREET
SUITE 105
LAFAYETTE, LA 70503

Status
Status: Active
Annual Report Status: In Good Standing
Qualified: 6/17/1985
Last Report Filed: 5/21/2024
Type: Business Corporation (Non-Louisiana)

Registered Agent(s)
Agent: REGISTERED AGENTS INC
Address 1: 201 RUE BEAUREGARD, STE. 202
City, State, Zip: LAFAYETTE, LA 70508
Appointment Date: 6/7/2024

Officer(s) Additional Officers: No
Officer: ELISA B. DAVIES
Title: Secretary/Treasurer, Secretary
Address 1: 1917 S. 67TH STREET
City, State, Zip: OMAHA, NE 68106

Louisiana Secretary of State

Louisiana SECRETARY OF STATE NANCY LANDRY

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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

Louisiana Secretary of State

Louisiana SECRETARY OF STATE NANCY LANDRY

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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

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.**

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**
HDR Engineering, Inc.	5750 Johnston Street Suite 105 Lafayette, LA 70503	Brett Geesey brett.geesey@hdrinc.com	(337) 347-5598
ELOS Environmental, LLC	607 W. Morris Avenue Hammond, LA 70403	Lucas M. Watkins lwatkins@elosenv.com	(985) 662-5501
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.**