US 90 / I-310 Interchange
St. Charles Parish

Contract No. 4400029384
State Project No. H.010753.5
Federal Aid Project No. H010753

July 31, 2024

CRESCENT
ENGINEERING & MAPPING LLC

H.010753.5 - US 90/I-310 Interchange

Conceptual Layout

St. Charles Parish, LA

DOTD FORM: 24-102 (Revised January 1, 2023)

PROPOSAL TO PROVIDE CONSULTANT SERVICES

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

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

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

1. Contract title as shown in the advertisement	**US 90/I-310 INTERCHANGE**
2. Contract number(s) as shown in the advertisement	4400029384
3. State Project Number(s), if shown in the advertisement	H.010753.5
4. Prime consultant name (name must match as registered with the Louisiana Secretary of State where such registration is required by law)	Crescent Engineering & Mapping, LLC
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	Engineering: EF-0007140 | Surveying: VF-0000871
6. Prime consultant mailing address	PO Box 370, Vacherie, LA 70090
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	1815 LA 18, Vacherie, LA 70090
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Dennis M. Hymel, Jr., PE, President/Manager 225.329.1742 | Dennis.Hymel@crescentengla.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Dennis M. Hymel, Jr., PE, President/Manager 225.329.1742 | Dennis.Hymel@crescentengla.com

10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.	 Signature above shall be the same person listed in Section 9: July 31, 2024 Date:
11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.	Firm(s): APS Engineering and Testing, LLC Firm(s)' %: 8%

12. Past Performance Evaluation Discipline Table:

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

The only past performance evaluation disciplines to be used are: Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other (please specify).

Past Performance Evaluation Discipline(s)	% of Overall Contract	Crescent	Neel-Schaffer, Inc.	APS Engineering and Testing, LLC	Each Discipline must total 100%
Road	**70%**	**85%**	**15%**		**100%**
Bridge	**6%**	**100%**			**100%**
Geotechnical	**8%**			**100%**	**100%**
Survey	**7%**	**100%**			**100%**
Traffic	**9%**		**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%**	**73%**	**19%**	**8%**	**100%**

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 (please specify)" and include the classification title inside the parentheses.

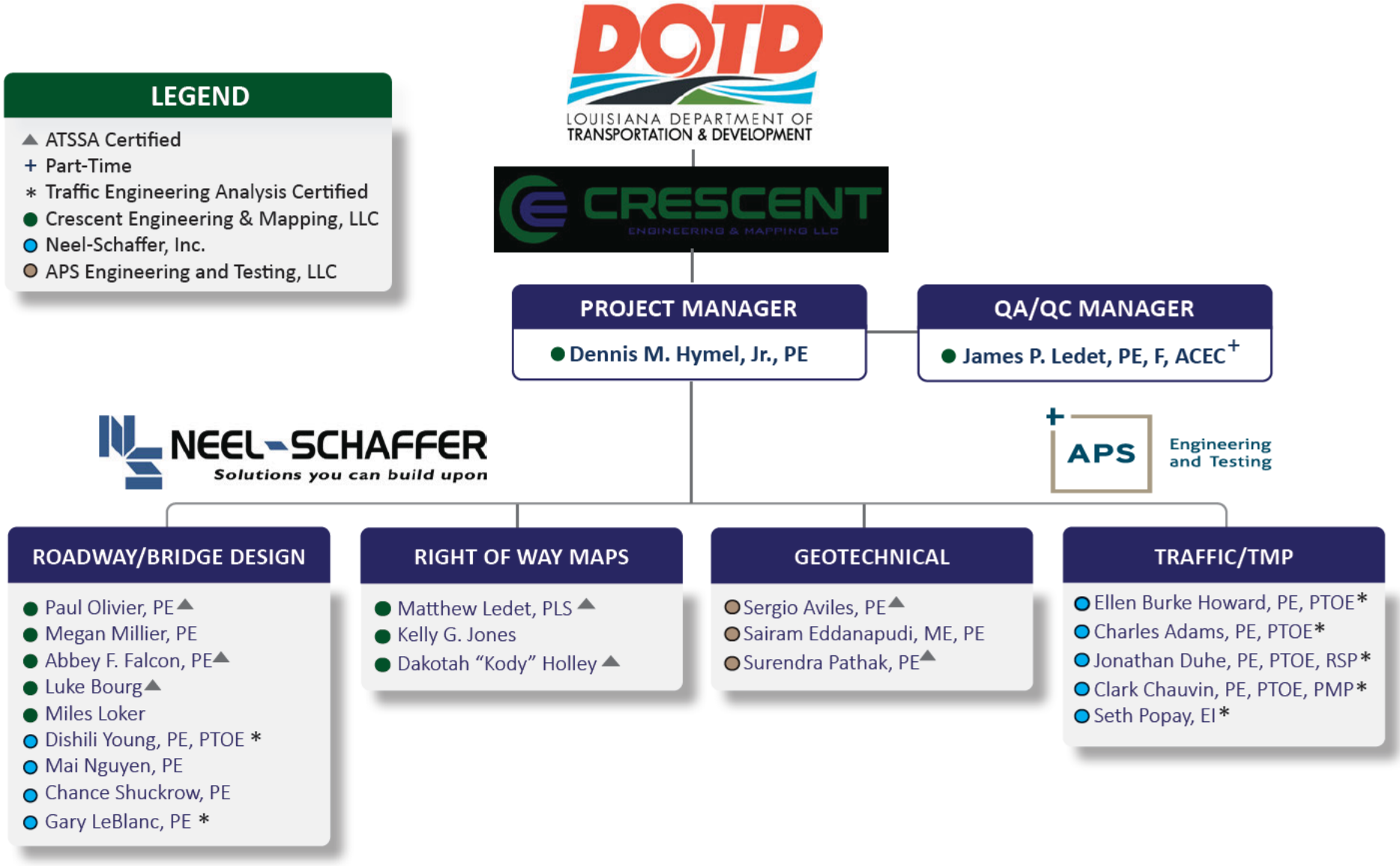
The DOTD Job Classification(s) to be used can be found at the following link:

http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/CCS/Job_Qualification/Job%20Classifications%20with%20Descriptions.pdf

Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
CRESCENT ENGINEERING & MAPPING LLC	Supervisor Engineer	1	1
	Engineer	3	4
	Senior Technician	2	2
	Surveyor	1	1
	Party Chief	1	2
	Instrument Man	1	2
	Engineering Aide	1	1
	Clerical	0	1
NEEL-SCHAFFER Solutions you can build upon	Supervisor Engineer	1	2
	Engineer	5	25
	Engineer Intern	3	7
APS Engineering and Testing	Engineer	2	3
	Engineer Intern	2	4
	Inspector	0	5
	Driller	3	8
	Technician	4	12
	Clerical	0	2

14. Organizational Chart:

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



15. Minimum Personnel Requirements:

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

MPR No.	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license and discipline meeting MPR/ certification & number (Ex: PE # - Civil)	State of license	License / certification expiration date
1	Dennis M. Hymel Jr., PE	CRESCENT ENGINEERING & MAPPING LLC	LA PE# 38172 - Civil	LA	09/30/2025
2	Dennis M. Hymel Jr., PE		LA PE# 38172 - Civil	LA	09/30/2025
3	Dennis M. Hymel Jr., PE		LA PE# 38172 - Civil	LA	09/30/2025
4	Paul I. Olivier, PE		LA PE# 39967 - Civil	LA	03/31/2026
	Abbey F. Falcon, PE		LA PE# 46035 - Civil	LA	03/31/2026
	Dishili Young, PE, PTOE		LA PE# 33723 - Civil	LA	09/30/2024
	Mai Nguyen, PE		LA PE# 38189 - Civil	LA	03/31/2026
	Chance Shuckrow, PE		LA PE# 42746 - Civil	LA	03/31/2025
	Gary LeBlanc, PE		LA PE# 28220 - Civil	LA	09/30/2025
5	Megan M. Miller, PE	CRESCENT ENGINEERING & MAPPING LLC	LA PE# 39897 - Civil	LA	09/30/2025
6	Sergio Aviles, PE	APS Engineering and Testing	LA PE# 33571 - Civil	LA	03/31/2026
	Sairam (Sai) Eddanapudi, ME, PE		LA PE# 35129 - Civil	LA	03/31/2026
7	Matthew J. Ledet, PLS	CRESCENT ENGINEERING & MAPPING LLC	LA PLS# 5104	LA	09/30/2024

16. Staff Experience:

Firm employed by: **Crescent Engineering & Mapping, LLC**

Dennis M. Hymel, Jr., PE
President/Manager

Years of relevant experience with this employer	3
Years of relevant experience with other employer(s)	17

Degree(s) / Years / Specialization			Bachelor of Science/2009/Civil Engineering
Active registration number / state / expiration date			38172/LA/09-30-2025
Year registered	2013	**Discipline**	PE/Civil Engineering
Contract role(s) / brief description of responsibilities			Project Manager; Roadway and Bridge Design Supervisor. Dennis' experience fulfills **MPR #1-3.**

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).
09/18 – 08/21 *(previous employer)*	**S.P. H.001344, US 190: LA 437 to US 190 BUS (Ph. 1), St. Tammany Parish (LADOTD)** – Supervising/QC Engineer. Performed QC/QA duties of urban roadway design elements including horizontal and vertical geometry, intersection design, concrete curb, graphical grading, striping/signing, construction phasing, roadway barrier and footing details, and oversight of roadway plan production for a one mile, **5-lane urban roadway reconstruction**. Also responsible for bridge design report, urban bridge design, and QC of bridge plan development and LRFR for a horizontally curved, superelevated, 1,400-footlong bridge over the Bouge Falaya River using LG 36 and LG 54 prestressed concrete girders, rectangular column bents, low water pier foundations. Coordinated utility conflicts and relocations, and the geotechnical engineering design of bridge footings and embankment settlement.
04/22 – Ongoing	**LA 3127 Widening (LA 20 to LA 3213), St. James Parish, LA (St. James Parish)** – Project Manager/EOR. Responsible for overall project management and oversight and supervision of all project elements including topographic surveys, traffic analysis and report, roadway widening design, roundabout geometrics, pavement design, drainage design and H&V geometrics. The project involves widening the existing 2-lane roadway to a 4-lane divided median roadway and includes **two multi-lane roundabouts, an R-Cut intersection and multiple J-Turn intersections for over 4 miles of arterial widening**. Also responsible for the oversight of geotechnical and environmental subconsultants.
09/16 – 08/21 *(previous employer)*	**S.P. H.011152, I-12 Widening (US 190 to LA 59), St. Tammany Parish, LA (LADOTD)** – Project Manager/Engineer of Record. Responsible for all roadway design including H&V alignments, interchange geometrics, drainage, preparation of a Level 4 TMP and construction phasing plans along the mainline and interstate ramps. Designed single slope TL-4 median barriers on concrete footings, special median barrier transitions for lighting, overhead signs and ITS/DMS, prepared ERDD document and EOR for all permanent interstate signing; Bridge Design Engineer and QC for the widening of Pontchatolawa Creek (25' skewed RC Slabs) and Tammany Trace bridges (AASHTO Type III prestressed girders with varying skewed, bobtail spans), LRFR for all structures. Responsible for coordination of geotechnical design and performed Construction Support Services. **Design completed under an accelerated project schedule.**
04/16 – 08/21 *(previous employer)*	**S.P. H.013116, LA 20 Widening (LA 307 to S. Vacherie), St. James & Lafourche Parishes (LADOTD)** – Project Manager/Supervising Engineer. Responsible for the oversight of topographic survey, subsurface utility engineering, roadway and bridge design services for the safety widening of LA 20 near Vacherie, LA. Supervised all plan production activities and major roadway and bridge design elements including H&V geometrics, striping/signing, drainage design, roadway/bridge construction phasing, bridge superstructure and substructure elements, LRFR analysis and rating. Also responsible for the oversight of the geotechnical design of pavement and settlement analysis as well as concrete pile design, cost estimation, and subconsultant coordination.

16. Staff Experience:	
03/14 – 08/21 *(previous employer)*	**S.P. H.004113, I-12 to Bush: LA 3241 (LA 435 to LA 40/41), St. Tammany Parish, LA (LADOTD)** – Project Manager/Engineer of Record. Performed field and office QC of topographic surveys, lead the design team as EOR and was responsible for all roadway design elements including hydraulics, roadway H&V geometrics, superelevation, **intersection design, R-CUT and J-turn intersections**, prepared Level 3 Traffic Management Plan, prepared roadway plans, served as bridge design QC engineer for twin 4-span AASHTO Type III girder bridges over Talisheek Creek, oversaw entire plan production for **5.5-mile, greenfield, new corridor** including a four-lane rural roadway from LA 435 to Bush, LA.
02/18 – Ongoing	**S.P. H.015688 & MA-23-01, LA 3127 Extension (LA 70 to LA 1), Ascension Parish, LA (Ascension Parish)** – Project Manager/EOR. At previous employer, SUE QL D-A EOR, QC of surveys, responsible for developing Stage 0 report, Line and Grade, roadway design and bridge design (LG-36 girders) for 180' bridge over Bayou Lafourche and curved RC Slab spans over Bayou Napoleon. Currently managing Environmental Assessment and responsible for roadway and bridge design of **8.5 mile, 4-lane, greenfield, new corridor project** creating an evacuation route, industrial and heavy vehicle by-pass around Donaldsonville, LA, **intersection and interchange with LA 1 over UPRR**.
05/22 – Ongoing	**EN22-0181, Rousseau Rd. Bridge over Tchefuncte River, St. Tammany Parish, LA (St. Tammany Parish Government)** – Project Manager/ QC Engineer. Performed review of topographic surveys, QC of roadway design, H&V geometrics, hydraulics, QC of Urban bridge design elements including special span/bents, LRFR of replacement bridge and rehabilitated structure, EOR for bridge rehabilitation design using steel framed helper bents. Responsible for environmental assistance and subconsultant coordination for the replacement of the existing 4-span bridge near Covington, LA.
03/22 – Ongoing	**S.P. H.015333, H.015404, H.015407 – Tangipahoa IIJA Bridge Replacements, Tangipahoa Parish, LA (LADOTD)** – Project Manager/EOR. Performed QC review of topographic surveys, EOR for hydraulic analysis, EOR for roadway and urban and rural bridge design elements including H&V geometry, roadside drainage, QA of plan production, LRFR for RCB structures for the replacement of 5 bridge sites Parish-wide in Tangipahoa with RC Slab spans and RCB's.
03/16 – 02/19 *(previous employer)*	**S.P. H.011670, I-10/Loyola Interchange Improvements, Jefferson Parish, LA (LADOTD)** – Project Manager/Lead Engineer. Lead design team for Line and Grade studies and the Environmental Assessment (EA), assisted in preparation of the EA document, critical geometry, interchange modification and alternative screening, lead engineer for the design of a **four-level stacked, directional interchange** ($150 MM) including roadway and bridge, curved steel plate and prestressed concrete girder bridges, urban roadway sections, major utility conflict assessments, cost estimates, public meetings and quality control for a diverging diamond interchange (DDI) for the new interchange on I10 at Loyola Dr. for the new airport terminal at Louis Armstrong International Airport (MSY).
03/15 – 05/18 *(previous employer)*	**S.P. H.004932, I-49 South @ LA 318 Interchange, St. Mary Parish. LA (LADOTD)** – Project Manager & Engineer of Record. Responsible for Design-Build team coordination, Value Engineering Assessment, roadway geometric design including H&V geometry, hydraulic design including SDP, SD and CDP, intersection layout and design, striping/signing, TMP, environmental support including public hearings and oversight of plan production for nearly (3) miles of RC-2 classification frontage roads for **new Interchange on I-49 South**.
01/12 – 12/17 *(previous employer)*	**07-EXT-22, Bayou Gardens Blvd. Extension (LA 660 to LA 316), Terrebonne Parish, LA (Terrebonne Parish)** – Project Manager/Engineer of Record. Performed QC of topographic surveys, led roadway design including drainage, H&V geometry, superelevation, subsurface storm drainage, TMP, utility locates, utility relocation and coordination. Performed bridge design including curved, superelevated RC Slabs on special skew, LRFR, scour analysis, special pile supported approach slabs, oversight of CE&I and construction support services, LADOTD permitting and traffic approval for the 1.6 mile, 4-lane Urban roadway extension including signals and turn lanes on LA 660 and LA 316.
02/10 – 01/12 *(previous employer)*	**S.P. 450-10-0159, I-10 Widening (Siegen Lane to Highland Rd.), East Baton Rouge Parish, LA (LADOTD)** – Staff Engineer. Prepared roadway design plans including development of H&V geometry, drainage design, DB team coordination, construction support, structural design of cantilevered concrete retaining walls, barriers and footings, barrier mounted light poles & signage, cost estimation for the widening of I-10 in Baton Rouge, LA.

16. Staff Experience:

Firm employed by: **Crescent Engineering & Mapping, LLC**

Paul I. Olivier, PE
Engineering Manager

Years of relevant experience with this employer	1.5
Years of relevant experience with other employer(s)	13

Degree(s) / Years / Specialization			Bachelor of Science/2010/Civil Engineering
Active registration number / state / expiration date			39967/LA/03-31-2026
Year registered	2015	**Discipline**	PE/Civil Engineering
Contract role(s) / brief description of responsibilities			Roadway Design Lead. Paul's experience fulfills **MPR #4.**

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
09/18 – 01/23 *(previous employer)*	**S.P. H.001344, US 190: LA 437 – US 190 BUS (Ph. 1), St. Tammany Parish, LA (LADOTD)** – Project Manager/Engineer of Record. Engineer of Record responsible for the **widening of a 0.9 mile stretch along US 190 from LA 437 to US 190 (Bus.)** in Covington, LA. Oversaw plan preparation and the design of project elements such as H&V alignments, superelevation design, roadway geometrics, existing and design drainage maps, striping/signing, typical sections, curb details, graphical grades, concrete joint layouts and inroads modeling of a **5-lane, raised, divided median urban arterial roadway** in Covington, LA. Provided quality control of bridge plans, project pay items, quantity take-offs and cost estimate. Also responsible for the development of a utility conflict matrices and Level 4 TMP Document including the analysis and justification for the temporary closure of LA 21 at the bridge crossing at US 190. Also provided Construction Support in the form of reviewing and responding to RFI's, contractor submittals and shop drawings.
02/23 – Ongoing	**LA 3127 Widening (LA 20 to LA 3213), St. James Parish, LA (St. James Parish)** – Supervising Engineer. Provided oversight of project design elements and plan production for the widening of an existing 2-lane roadway to a **4-lane divided median roadway with multiple roundabouts and J-turn intersections**. Conducted reviews of H&V alignments, roadway, roundabout, J-turn and R-cut geometrics, drainage design and all plan submittals.
04/16 – 01/23 *(previous employer)*	**S.P. H.013116, LA 20 Widening (LA 307 to S. Vacherie), St. James & Lafourche Parishes (LADOTD)** – Lead Road Design Engineer. Responsible all roadway design and plan production activities for the safety widening of LA 20 near Vacherie, LA. Led the design of roadway elements including H&V alignments, drainage design, construction phasing, superelevation design, guardrail design, striping/signing and inroads modeling. Also performed quantity calculations and construction cost estimates and assisted in preparation of environmental drawings to obtain environmental clearance.
09/16 – 10/22 *(previous employer)*	**S.P. H.011152, I-12 Widening (US 190 to LA 59), St. Tammany Parish, LA (LADOTD)** – Lead Road Design Engineer. Led roadway design including H&V geometrics, drainage design, mainline and interchange construction phasing, embankment widening, guardrail, striping/signing and inroads modeling and assisted with the preparation of a Level 4 TMP. Also responsible for oversight of all plan production activities, performed quantity calculations and construction cost estimating, and assisted with construction support in the form of reviewing RFI's and contractor shop drawing for the 4-mile widening of I-12 near Covington, LA. **Design completed under an accelerated project schedule.**

16. Staff Experience:	
03/14 – 01/23 *(previous employer)*	**S.P. H.004113, I-12 to Bush: LA 3241 (LA 435 to LA 40/41), St. Tammany Parish, LA (LADOTD)** – Project Engineer/EOR. Led roadway design including hydraulics, drainage, roadway H&V geometrics, superelevation, **intersection design, R-CUT and J-turn intersections**, roundabout layouts, assisted with Level 3 Traffic Management Plans and led oversight of roadway plan production for **5.5-mile, four-lane rural roadway** from LA 435 to Bush. Also provided Construction Support in the form of reviewing and responding to RFI's, contractor submittals and shop drawings.
02/20 – 01/23 *(previous employer)*	**S.P. H.012812, US 190 Roundabouts @ Northshore, Camp Villere, St. Tammany Parish, LA (LADOTD)** – Project Manager/Supervising Engineer. Led all design and plan preparation activities of a multi-lane roundabout at the intersection of US 190 and Northshore Blvd. and a single lane roundabout at the intersection of US 190 and Camp Villere Rd. in Slidell, LA. Provided quality control and design oversight of all project elements including H&V alignments, drainage design, striping/signing, construction phasing, roundabout geometrics, autoturn movements, graphical grades, concrete joint layouts, typical sections, inroads modeling, quantity calculations and required right-of-way impacts. Provided environmental support with preparation of project exhibits to be utilized for Public Meetings.
09/18 – 08/20 *(previous employer)*	**MA-17-01, Roddy Road Widening (LA 935 to LA 621), Ascension Parish, LA (Ascension Parish)** – Project Manager. Supervising Engineer for the reconstruction of a 2-lane, Urban Collector in Gonzales, LA. Responsible for the oversight of all roadway and bridge design elements including H&V alignments, urban drainage design, Typical Sections, Intersection Design, and Striping and Signing among others. Responsible for oversight of all Cost Estimate and Design Report Forms and provided bidding assistance and construction support for a separate Clearing and Grubbing Package that was let by Ascension Parish prior to completion of the roadway plans.
06/11 – 12/17 *(previous employer)*	**07-EXT-22, Bayou Gardens Blvd. Extension (LA 660 to LA 316), Terrebonne Parish, LA (Terrebonne Parish)** – Project Engineer. Led and assisted with all roadway and bridge design elements including H&V alignments, superelevation design, concrete joint layouts, curb details, graphical grades, corridor modeling, guardrail calculations, quantity take-offs, roadside and channel hydraulics, utility relocation and coordination. Also assisted with Construction Support in the form of reviewing Contractor submittals including asphalt and concrete mix designs for the **1.6 mile, 4-lane Urban roadway extension including signals and turn lanes on LA 660 and LA 316**.
02/23 – Ongoing	**EN22-0181, Rousseau Rd. over Tchefuncte River, St. Tammany Parish, LA (St. Tammany Parish)** – EOR. Responsible for all roadway design elements including H&V geometrics, roadside and channel hydraulics, roadway/bridge construction phasing, superelevation design, pavement design, inroads modeling, quantity calculations and cost estimating for the replacement of the existing 4-span bridge near Covington, LA.
09/18 – 08/19	**S.P. No. H.003790, LA 930: LA 929 to LA 42, Ascension Parish, LA (Ascension Parish)** – Project Manager. Responsible for all roadway design elements including pavement design, H&V geometry, intersection and turn lane design, drainage design, superelevation design, striping and signing, inroads modeling, quantity take-offs and cost estimates. Also led all plan production activities and provided value engineering services and re-design of roadway and drainage for the mitigation of major utility conflicts
12/14 – 03/18 *(previous employer)*	**S.P. H.004932, I-49 South @ LA 318 Interchange, St. Mary Parish, LA (LADOTD)** – Project Engineer. Assisted with Design Build Proposal preparation and Value Engineering assessment, roadway design including geometrics, H&V alignment, hydraulic design including SDP, SD, CDP and open ditches, intersection layout and design, striping/signing, and TMP coordination for the new interchange including nearly three miles of Rural Collector classification frontage roads on new alignment for **new interchange on I-49 South**.
03/16 – 03/19 *(previous employer)*	**S.P. No. H.011670, I-10/Loyola Interchange Improvements, Jefferson Parish, LA (LADOTD)** – Project Engineer. Assisted in the development of the Line and Grade portion of the Environmental Assessment (EA) document. Performed the geometrical design and layout of a **four-level stack interchange at I-10 and Loyola Drive** and responsible for preliminary plan sheets including Typical Sections and Plan & Profile Sheets. Also assisted in the preparation of cost estimates and public meeting exhibits, and attended all Public Meetings held for this project.

16. Staff Experience:

Firm employed by: **Crescent Engineering & Mapping, LLC**

Abbey F. Falcon, PE
Project Engineer

Years of relevant experience with this employer	2
Years of relevant experience with other employer(s)	5

Degree(s) / Years / Specialization			Bachelor of Science/2017/Civil Engineering
Active registration number / state / expiration date			46035/LA/03-31-2026
Year registered	2021	**Discipline**	PE/Civil Engineering
Contract role(s) / brief description of responsibilities			Roadway Design. Abbey's experience fulfills **MPR #4**.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
09/18 – 04/22 *(previous employer)*	**S.P. H.001344, US 190: LA 437 – US 190 BUS (Ph. 1), St. Tammany Parish, LA (LADOTD)** – Project Engineer. Assisted with all roadway design elements on the **1-mile Urban, roadway widening** project including roadway geometrics, graphical grades and drainage design. Prepared quantities, performed Inroads roadway modeling, prepared summary sheets, typical sections, detailing, assisted with the preparation of preliminary and final roadway plans.
07/22 – Ongoing	**LA 3127 Widening (LA 20 to LA 3213), St. James Parish, LA (St. James Parish)** – Project Engineer. Lead design engineer for several project elements such as H&V alignments, drainage design, roundabout and J-turn geometrics, and preliminary inroads modeling. Project involves widening existing roadway to 4-lane divided and includes two multi-lane roundabouts, geotechnical, environmental for over **4 miles of arterial widening** and multi-lane roundabouts at LA 20 and LA 3213.
05/17 – 08/21 *(previous employer)*	**S.P. H.011152, I-12 Widening (US 190 to LA 59), St. Tammany Parish, LA (LADOTD)** – Project Engineer. Assisted with all roadway design elements on the **4-mile interstate widening project** including geometrics, Level 4 TMP and drainage. Prepared quantities, Inroads roadway modeling, summary sheets, typical sections, detailing, Sequence of Construction sheets, prepared preliminary and final roadway plans. Design was completed under an accelerated project schedule.
06/17 – 06/21 *(previous employer)*	**S.P. H.004113, I-12 to Bush: LA 3241 (LA 435 to LA 40/41), St. Tammany Parish, LA (LADOTD)** – Project Engineer. Assisted with several roadway design elements for a **5.5 mile, 4-lane corridor project including J-turn and R-cut intersection** geometrics, superelevation calculations, inroads modeling and quantity calculations. Also assisted with the hydraulic analysis of all roadside ditches, side drain pipes and major cross drain pipes. Responsible for the development of the existing and design drainage maps.
07/17 – 06/21 *(previous employer)*	**S.P. H.013116, LA 20 Widening (LA 307 to S. Vacherie), St. James & Lafourche Parishes (LADOTD)** – Project Engineer. Assisted with H&V geometrics, roadway drainage design, roadway and bridge plan production, Inroads modeling, quantity calculations for the **2.7 mile rural safety widening project** including split phased bridge construction of the RC slab span bridge over unnamed Bayou.

16. Staff Experience:	
07/20 – 05/22 *(previous employer)*	**Contract No. 4400017598, Rural Bridge Replacement Initiative (Phase 1), LADOTD, Districts 04, 05, 08, and 58 (47 sites)** – Engineer of Record. Lead Engineer for the design and plan production of 11 bridge replacements (4 state projects) throughout Central and North Louisiana. Prior to design, conducted project site visits, compiled survey field packs and survey request forms, and reviewed topographic survey deliverables. Responsible for the development of all road and bridge design elements including H&V alignments, bridge hydraulic design, roadway cross sectional elements, guardrail calculations, geometrical layouts, summary sheets and cost estimates. Delineated the drainage basins for several sites, determined the peak discharge at each bridge site utilizing HYDR1130, and ran the hydraulics model through GEO-HECRAS to determine design water surface elevations, velocities, backwater, and flow area. Produced Final Hydraulic Reports and Scour Memorandum for several sites. Reviewed and assisted in the production of Preliminary and Final R/W Maps. Also responsible for the development of all additional project documentation including Design Report Forms, Bridge and Hydraulic Design Criteria, Design Exceptions and Design Waivers.
09/18 – 08/20 *(previous employer)*	**MA-17-01, Roddy Road Widening (LA 935 to LA 621), Ascension Parish Government, Ascension Parish, LA** – Project Engineer. Assisted with several roadway design elements including quantity calculations, striping/signing and construction phasing for a 1.5 mile widening and reconstruction project in Gonzales, LA. Also performed hydraulic analysis and calculations of all roadside ditches, side drain pipes and cross drain pipes. Performed all calculations in LADOTD HYDRWIN Programs including HYDR1120, HYDR1130 and HYDR1140 in order to determine ditch depths, pipe sizes and headwater/tailwater elevations.
06/22 – Ongoing	**EN22-0181, Rousseau Rd. over Tchefuncte River, St. Tammany Parish, LA (St. Tammany Parish Government)** – Project Engineer. Led several roadway design elements for an offset alignment, H&V geometrics, drainage and assisted with bridge design elements including special span/bents, bridge TS&L development, environmental assistance, and subconsultant coordination for the replacement of the existing 4-span bridge near Covington, LA.
05/23 – 05/24	**S.P. H.015025, Mclin Road over Darling Creek, St. Helena Parish, LA (LADOTD)** – Lead Project Engineer/EOR. Responsible for all roadway and bridge design including H&V geometrics, drainage design, hydraulics and scour analysis, foundation layout, curved RC slab spans and approach slabs, guardrail design, GPE, on-site detour design, Inroads modeling, developed bridge TS&L, oversight of road and bridge plan production. Project was completed under an accelerated design schedule.
06/22 – Ongoing	**S.P. No's. H.015333, H.015404 & H.015407: Tangipahoa IIJA Bridge Replacements, Tangipahoa Parish (LADOTD)** – Lead Project Engineer/ EOR. Responsible for all roadway design elements and plan production involved with the spot replacement of 4 bridge structures located along Old Genessee Rd. (2 sites), Easley Rd., and Lewiston Rd. located throughout Tangipahoa Parish. Performed QC review of topographic surveys and is responsible for design elements including H&V geometrics, roadside and structure hydraulics, construction phasing, detour plans, inroads modeling, quantity calculations and cost estimates.
04/20 – 04/22 *(previous employer)*	**S.P. H.013953, McManus Road Bridge/Cypress Creek, Richland Parish, LA (LADOTD)** – Lead Project Engineer/EOR. Responsible for all roadway and bridge design, bridge hydraulics & scour analysis, developed roadway and bridge H&V alignments, drainage design, prepared bridge TS&L, prepared roadway and bridge plans, design report forms, design criteria for the eight (8) span Off-System bridge replacement.
08/21 – 05/22 *(previous employer)*	**S.P. No. H.014407: LA 621 at Roddy Road Roundabout, Gonzales, LA (LADOTD)** – Lead Project Engineer. Leads engineer for the design of a single lane roundabout at the intersection of Roddy Road and LA 621 in Ascension Parish, LA. Prepared roundabout and intersection widening conceptual layouts for inclusion in a Roundabout Justification Report and was also responsible for preliminary plan production and design elements such as H&V alignments, autoturn movements, roundabout geometrics, and drainage design. Also responsible for production of the 60% Preliminary Plan submittal.

16. Staff Experience:

Firm employed by: **Crescent Engineering & Mapping, LLC**

Megan M. Miller, PE
Bridge Design Project Engineer

Years of relevant experience with this employer	<1
Years of relevant experience with other employer(s)	13

Degree(s) / Years / Specialization			Bachelor of Science/2010/Civil Engineering
Active registration number / state / expiration date			39897/LA/09-30-2025
Year registered	2015	**Discipline**	Civil Engineering
Contract role(s) / brief description of responsibilities			Bridge Design Lead. Megan's experience fulfills **MPR #5.**

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
09/18 – 12/23 *(previous employer)*	**S.P. H.001344, US 190: LA 437 to US 190 (BUS) (Ph. 1), St. Tammany Parish, LA (LADOTD)** – Bridge Engineer of Record. Responsible for bridge design tasks including development of TS&L, typical sections, foundation plan, General Plan/Elevation, superstructure modeling using LEAP CONSPAN, and development of bridge plans for a **1400-foot-long bridge over the Bouge Falaya River** in Covington, LA using LG 36 and LG 54 prestressed concrete girders. Performed reviews of contractor bridge submittals and shop drawings.
03/17 – 06/22 *(previous employer)*	**S.P. H.013116, LA 20 Widening (LA 307 to S. Vacherie), St. James and Lafourche Parishes, LA (LADOTD)** – Lead Bridge Design Engineer. Performed all bridge design tasks for the widening of LA 20 including **bridge replacement using split-phase construction** methods. Performed superstructure and substructure design using various programs including LEAP CONSPAN, STADD ProV8i, prepared construction phasing details, foundation plans and assisted with bridge plan production.
02/17 – 08/19 *(previous employer)*	**S.P. H.011152, I-12 Widening (US 190 to LA 59), St. Tammany Parish, LA (LADOTD)** – Lead Bridge Design Engineer/Engineer of Record. Performed all bridge design tasks associated with the **widening of the I-12 bridges over the Tammany Trace Bike Path** utilizing AASHTO Type III Precast, Pre-stressed concrete girders with multiple, varying skewed spans in a vertical curve. Designed girders and deck using various programs including LEAP CONSPAN, STAAD, and BrR (Virtis). Performed substructure design using STAAD ProV8i and LEAP CONSPAN, designed bearing pads, framing and foundation plans. Assisted with bridge plan production including partial demolition and construction phasing plans for the interstate widening project. Also provided construction support in the form of contractor shop drawing reviews.
02/24 – Ongoing	**EN22-0181, Rousseau Rd. over Tchefuncte River, St. Tammany Parish, LA (St. Tammany Parish Government)** – Bridge Engineer of Record. Responsible for designing rehabilitation plans for the existing structure which includes structural steel helper bents and existing bridge load ratings. Led the design of a **30' wide by 140' long replacement structure** which includes implementation of split phase construction, As-Designed LRFR analysis and reports, span and bent design using STAAD, OpenBridge, AASHTOWARE BrR. Also responsible for overseeing plan production for bridge plans and details, as well as calculating all bridge quantities including concrete and steel.
02/24 – 05/24	**S.P. H.015025, Mclin Road over Darling Creek, St. Helena Parish, LA (LADOTD)** – Bridge Engineer of Record. Responsible for the bridge design elements of a **4-span, 24' clear width, curved, concrete slab span bridge** utilizing STAAD and OpenBridge bridge design software programs. Reviewed bridge superstructure and substructure details and performed As-Designed LRFR utilizing AASHTOWare BrR 7.4 of the bridge replacement in St. Helena Parish as a part of the Off-System Bridge Replacement Program.

16. Staff Experience:

Firm employed by: **Crescent Engineering & Mapping, LLC**

James P. Ledet, PE, F. ACEC
Quality Control Engineer

Years of relevant experience with this employer	1.5
Years of relevant experience with other employer(s)	44

Degree(s) / Years / Specialization			Bachelor of Science/1982/Civil Engineering
Active registration number / state / expiration date			22428/LA/03-31-2026
Year registered	1986	**Discipline**	PE/Civil Engineering
Contract role(s) / brief description of responsibilities			Roadway Design Quality Control Manager

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
05/24 – Ongoing	**LA 3127 Widening (LA 20 to LA 3213), St. James Parish, LA (St. James Parish)** – Quality Control Engineer. Responsible for QC reviews of roadway design elements including H&V alignments, roundabout and j-turn geometrics and drainage design for the **widening of an existing roadway from 2-lane to 4-lane** with a divided median and two multi-lane roundabouts.
05/15 – 08/17 *(previous employer)*	**S.P. H.004113, I-12 to Bush: LA 3241 (LA 435 to LA 40/41), St. Tammany Parish, LA (LADOTD)** – Senior Supervising Engineer. Supervision and oversight of topographic survey and roadway design services including QC of hydraulic analysis, r-cut and j-turn geometrics, construction phasing and supervision of plan production for the new **5.5-mile, four-lane RA-3 road** from LA 435 to Bush, LA.
10/09 – 11/17 *(previous employer)*	**07-EXT-22, Bayou Gardens Blvd. Extension (LA 660 to LA 316), Terrebonne Parish, LA (Terrebonne Parish)** – Supervising Engineer. Responsible for the oversight of the topographic survey, roadway design and bridge design for a new **1.6-mile, 2-lane, urban arterial roadway extension** in Houma, LA. Also responsible for review of all major road design elements including horizontal and vertical alignments, roadway and intersection geometrics, major cross drain and storm drain design, graphical grades, joint layouts, superelevation calculation and project quantities. Oversaw plan production and provided bidding and construction support for the project.
07/22 – Ongoing	**S.P. H.015333, H.015404, H.015407 – Tangipahoa IIJA Bridge Replacements, Tangipahoa Parish, LA (LADOTD)** – Quality Control Engineer. Responsible for QC reviews of roadway and bridge design including bridge TS&L, bridge hydraulics and scour analysis, roadway and bridge H&V geometry, reviewed roadway and bridge plans and bridge details, review calculations for the replacement of 4 bridge sites Parish-wide in Tangipahoa with reinforced concrete slab spans and reinforced concrete box culverts.
12/22 – 05/24	**S.P. H.015025, Mclin Road over Darling Creek, St. Helena Parish, LA (LADOTD)** – Quality Control Engineer. Responsible for QC reviews of roadway and bridge design including bridge TS&L, bridge hydraulics and scour analysis, roadway and bridge H&V geometry, reviewed roadway and bridge plans and bridge details, review calculations for the 3-span curved replacement structure. **Accelerated design schedule.**
11/99 – 01/01 *(previous employer)*	**S.P. 742-07-0019, Bayou Gardens Blvd. Widening: LA 659 to Alma St., Terrebonne Parish, LA (LADOTD)** – Engineer of Record/Project Manager. Responsible for topographic surveying, roadway design including geometrics and intersection improvements and subsurface drainage design for the **one-mile UA-2 widening project.**

16. Staff Experience:	
02/05 – 05/08 *(previous employer)*	**S.P. 246-01-0054, Route LA 57: Grand Caillou Road, Terrebonne Parish, LA (LADOTD)** – Engineer of Record. Responsible for all roadway design aspects including and subsurface drainage design; construction support and topographic survey for **two-mile long UA-2, five-lane widening project**.
1994 – 1997 *(previous employer)*	**S.P. 413-01-0011, Hollywood Rd./LA 311 Intersection Improvements/Bridge Replacement, Terrebonne Parish, LA (LADOTD)** – Engineer of Record/Project Manager. Responsible for design of roadway, hydraulics, utility relocations drainage improvements, intersection geometry, permanent striping and signing, construction phasing, bulkheads and bridge design services for intersection improvement and Off-System bridge replacement project.
11/13 – 11/18 *(previous employer)*	**S.P. H.010557, Lajaunie Road/Lateral 1 Bridge over Bayou St. Clair, Lafayette Parish, LA (LADOTD)** – Senior Professional/QA/QC. Supervision of topographic surveying and engineering design including roadway and bridge design for preliminary plans of the 80' RC Slab and quad-beam, superelevated, curved Off-System bridge structure including roadway upgrades to RL-3 criteria.
04/23 – Ongoing	**Bridges Near Amite, Tangipahoa Parish, LA (Tangipahoa Parish)** – Quality Control Engineer. Responsible for QC reviews of hydraulics and bridge design including bridge TS&L of alternatives including RC slabs and RCB's, bridge hydraulics and scour analysis, bridge H&V geometry, review calculations and plan production/details, urban drainage design, for the replacement of five (5) bridge structures within Amite City, LA.
12/22 – Ongoing	**S.P. H.014992, McHugh Road over Brushy Bayou, East Baton Rouge Parish, LA (LADOTD)** – Quality Control Engineer. Responsible for QC reviews of roadway and bridge design including bridge TS&L, bridge hydraulics and scour analysis, roadway and bridge H&V geometry, reviewed urban roadway and bridge plans and bridge details, review calculations for the replacement structure using special 25' spans, special bents and cantilevered sidewalks for the replacement of the existing vehicular and pedestrian bridges near Baker, LA.
11/10 – 06/14 *(previous employer)*	**S.P. 713-29-0103, Tiger Drive Bridge over Bayou Lafourche, Lafourche Parish, LA (LADOTD)** – Engineer of Record. Responsible for topographic surveying, roadway design including approaches, utility relocations, bulkheads and drainage, and bridge design including special RC slabs, curved spans, special bents and rail elements, oversight of construction support and shop drawing review for the 183' long Urban bridge replacement.
1997 - 2011 *(previous employer)*	**S.P. 713-55-0100, St. Ann Bridge Replacement, Terrebonne Parish, LA (LADOTD)** – Engineer of Record. Responsible for topographic surveying and all roadway design aspects, bridge design and approaches for the Off-System moveable bridge replacement with a single-leaf, bascule span bridge.
1994 – 1995 *(previous employer)*	**S.P. 742-05-0042, Combon Bridge and Approaches, Terrebonne Parish, LA (LADOTD)** – Project Manager. Responsible for EIS document and design supervision of the Off-System 100 Ft. vertical lift span across Grand Caillou including roadway approaches and shop drawing reviews during construction.
1985 – 1991 *(previous employer)*	**S.P. 700-26-100, Off-System Bridge Replacement Program, Lafourche Parish, LA (LADOTD)** – Engineer of Record/ Project Manager. Responsible for engineering design services for the replacement of four (4) Off-System bridges and associated roadway approaches: S.P. 713-46-98, Parish Road 16 (Choctaw Road) over St. James Canal; S.P. 713-53-93, Parish Road 18 (60 Arpent Road) over Bayou Boudreaux; S.P. 713-53-94, Parish Road 11 (Lepine Rd. #1) over unnamed canal; and S.P. 713-53-92 Parish Road 579 (Hamilton Road) over 40 Arpent Canal.
1984 – 1986 *(previous employer)*	**S.P. 855-14-08 & 65-90-23, LA 3087: Bridge over Bayou Terrebonne at East Street, Terrebonne Parish, LA (LADOTD)** – Project Manager. Responsible for the roadway and bridge design services to retrofit the existing Prospect Street bridge to be relocated to construct a vertical lift bridge at East Street, and associated intersection improvements at LA 24 and LA 659.

16. Staff Experience:

Firm employed by: **Crescent Engineering & Mapping, LLC**

Luke Bourg
Senior Technician

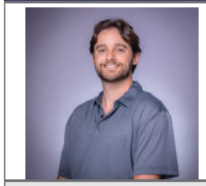
Years of relevant experience with this employer	1.5
Years of relevant experience with other employer(s)	15

Degree(s) / Years / Specialization			Associate of Applied Science/Drafting and Design/2008
Active registration number / state / expiration date			N/A
Year registered	N/A	**Discipline**	N/A
Contract role(s) / brief description of responsibilities			Roadway Design - Sr. Design Technician

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
09/18 – 03/22 *(previous employer)*	**S.P. H.001344, US 190: LA 437 – US 190 BUS (Ph. 1), St. Tammany Parish (LADOTD)** – Sr. Project Technician. Responsible for bridge plan development, Microstation drafting and Inroads modeling, preparation of plan/profile, typical sections, cross sections, geometric layouts and details. Prepared bridge plans including span and bent details, footing details, LG girder details, framing plans, GPE, typical sections, approach slabs, retaining walls, foundation plan, pile layouts, bridge elevations schedule, girder data and camber tables and developed bridge quantities for an Urban 1,485 foot long LG 54/LG36 bridge along the **1 mile for the 5-lane widening** section in Covington, LA.
03/24 – Ongoing	**LA 3127 Widening (LA 20 to LA 3213), St. James Parish, LA (St. James Parish)** – Sr. Project Technician. Responsible for the creation and development of all plan sheets including typical section, plan & profiles, geometric layout sheets, tbm sheets. Also responsible for autoturning movements and inroads modeling for the widening of LA 3127 from 2-lanes to 4-lanes including two multi-lane roundabouts and **multiple J-turn and R-cut intersections.**
09/16 – 08/21 *(previous employer)*	**S.P. H.011152, I-12 Widening (US 190 to LA 59), St. Tammany Parish, LA (LADOTD)** – Sr. Project Technician. Responsible for roadway and bridge plan development, Microstation drafting for the **4-mile widening of I-12 near Covington, LA** including four (4) bridge structures, prepared bridge typical sections, GPE, span and bent details, AASHTO Type III girder details, framing plans, foundation plans, approach slab details, miscellaneous details, foundation and pile layouts, girder data and camber tables, developed bridge quantities, barrier details. Design was completed under an accelerated project schedule.
02/20 – 10/22 *(previous employer)*	**S.P. H.012812 US 190 at Northshore and Camp Villere, LADOTD, St. Tammany Parish, LA** – Senior Project Technician. Assisted in the development of Preliminary and Final Plans of a multi-lane roundabout at the intersection of US 190 and Northshore Blvd. and a single lane roundabout at the intersection of US 190 and Camp Villere Rd. in Slidell, LA. Assisted in the creation of several plan sheets including typical sections, plan/profile sheets, geometric layouts and suggested sequence of construction.
07/20 – 06/22 *(previous employer)*	**Contract No. 44-17598, Rural Bridge Replacement Initiative (Phase 1), LADOTD, Districts 04, 05, 08, and 58** – Senior Project Technician. Assisted in the development of bridge plans, Microstation drafting and technician tasks associated with the replacement of 47 bridges throughout Districts 04, 05, 08 and 58. Responsible for the creation of plan sheets such as typical sections, plan and profile sheets, geometric layouts, cross sections, general plan and elevation sheets, foundation layout sheet, pile data & elevation tables, superstructure details and substructure details. Also responsible for template creation, corridor modeling and earthwork quantity determination of several of the **47 bridge sites included in this project**. Also responsible for the creation of all environmental exhibits.
03/16 – 12/18 *(previous employer)*	**S.P. No. H.011670, I-10/Loyola Interchange Improvement, LADOTD, Jefferson Parish, LA** – Project Technician. Prepared drawings for the selected alternate **(4-level stack, directional interchange)** including vicinity maps, plan and profiles, cross sections, calculated material quantities for USACE, Levee Board, FAA and LADNR permitting. He also assisted in the drafting and development of the Line and Grade Plan & Profile Sheets and Typical Roadway and Bridge Sections for all surface and interchange ramps associated with all alternate alignments for the I10 and Loyola Interchange.

16. Staff Experience:

Firm employed by: **Crescent Engineering & Mapping, LLC**



Miles Loker
Engineer Aide

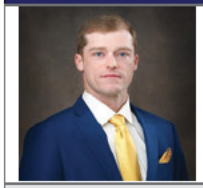
Years of relevant experience with this employer	>1
Years of relevant experience with other employer(s)	2

Degree(s) / Years / Specialization			Bachelor of Science/2024/Civil Engineering
Active registration number / state / expiration date			N/A
Year registered	N/A	**Discipline**	N/A
Contract role(s) / brief description of responsibilities			Roadway Design - Engineering Aide

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).
04/24 – Ongoing	**LA 3127 Widening (LA 20 to LA 3213), St. James Parish, LA (St. James Parish) –** Engineering Support. Assisted with layout of roundabout geometrics as well as creation and development of several plan sheets including typical sections, plan & profiles, geometric layout sheets and tbm sheets for the widening of LA 3127 from 2-lanes to 4-lanes including two multi-lane roundabouts and multiple j-turn intersections.
05/22 – 03/24 *(previous employer)*	**Contract No. 4400019336, Rural Bridge Replacement Initiative (Phase 2) (40 bridge structures), LADOTD, Districts 04 and 05 –** Project Technician. Assisted with the development of several plan sheets including typical sections, plan & profiles, sequence of construction, embankment widening and guard rail layout, summary sheets, summary of drainage structures, temporary erosion control and cross sections for the **replacement of 40 structures** in northern LA. Also assisted with the creation and development of permit drawings to be used in obtaining environmental clearance.
05/24 – Ongoing	**EN22-0181, Rousseau Rd. over Tchefuncte River, St. Tammany Parish, LA (St. Tammany Parish) –** Engineering Support. Assisted with the development of several roadway and bridge plan sheets including plan & profile sheets, geometric layouts, summary of drainage sheets, phased construction sheets, general plan & elevation, foundation layout and cross sections for replacement of the existing 4-span bridge near Covington, LA. Also responsible for the development of quantity calculations and summary tables.
06/24 – Ongoing	**Brownswitch Rd. Bridge, Slidell, LA (St. Tammany Parish) –** Engineering Support. Responsible for the review of the topographic survey and roadway design elements including H&V alignments, roadside ditch design, and hydraulic modeling in Geo-HECRAS for the replacement of a single span bridge along Brownswitch Rd. in Slidell, LA.
05/24 – Ongoing	**S.P. H.015333, H.015404, H.015407 – Tangipahoa IIJA Bridge Replacements, Tangipahoa Parish, LA (LADOTD) –** Engineering Support. Assisted with the preparation of Final Plans for four (4) bridge replacement structures throughout Tangipahoa Parish. Responsible for the creation of temporary erosion control sheets, permanent marking layouts and summary of drainage structure sheets. Also assisted with development of project quantities and summary tables.
04/24 – Ongoing	**S.P. H.015334 – 9th St. Bridge over St. Louis Canal, Terrebonne Parish, LA (LADOTD) –** Engineering Support. Responsible for the creation and development of Preliminary Plans including typical sections, plan & profile sheets, sequence of construction, detail of detour, gp&e and foundation layout for the replacement of a 3-span bridge in Houma, LA.

16. Staff Experience:

Firm employed by: **Crescent Engineering & Mapping, LLC**



Matthew J. Ledet, PLS
Survey Manager

Years of relevant experience with this employer	2.5
Years of relevant experience with other employer(s)	17

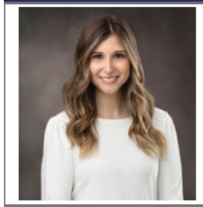
Degree(s) / Years / Specialization			Bachelor of Science/2008/Manufacturing Engineering Technology Bachelor of Science/2010/Geomatics
Active registration number / state / expiration date			5104/LA/9-30-2024
Year registered	2014	**Discipline**	PLS/Surveying
Contract role(s) / brief description of responsibilities			Property Surveys and Right-of-Way Mapping. Matt's experience fulfills **MPR #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).
04/14 – 12/18 *(previous employer)*	**S.P. H.004113, I-12 to Bush: LA 3241 (LA 435 to LA 40/41), St. Tammany Parish, LA (LADOTD)** – Lead/Surveyor of Record. Performed topographic and property surveys and created 60% Base and Final **Right-of-Way maps including 101 parcels** for the 5.5-mile, four-lane, new corridor roadway from Talisheek to Bush, LA.
02/18 - 12/18 *(previous employer)*	**S.P. H.015688, La 3127 Extension (LA 70 to LA 1), Acension Parish, LA (Ascension Parish)** - Lead/Surveyor of Record. Performed topographic and property surveys, prepared 60% Base Right-of-Way maps including **12 parcels for the 6.8-mile roadway extension** (Phase 1).
03/23 – Ongoing	**P231101 – Master Contract for Boundary and Topographic Surveys Parishwide, St. Charles Parish, LA (St. Charles Parish Government)** – Lead/Surveyor of Record. Responsible for GPS control establishment, topographic surveys on various design projects, performed title take offs, created title research reports, conducted property surveys, prepared servitude plats, Base and Final R/W maps for various drainage and transportation projects through various task orders parishwide. Projects included right of way, servitudes, full-parcel purchase, property subdivisions, and topographic surveys for design.
04/16 – 08/21 *(previous employer)*	**S.P. H.013116, LA 20 Widening (LA 307 to S. Vacherie), St. James & Lafourche Parishes (LADOTD)** – Surveyor of Record, Lead Surveyor. Performed title take offs and responsible for the preparation of property surveys, 60% Base and **Final Right-of-Way Maps including 9 parcels** associated with the safety widening of LA 20 near Vacherie, LA.
10/17 – 12/18 *(previous employer)*	**MA-17-01, Roddy Road Widening (LA 935 to LA 621), Ascension Parish, LA (Ascension Parish)** – Project Surveyor/Surveyor of Record. Responsible for title take offs, property surveys, and preparation of 60% Base and **Final Right-of-Way Maps including 68 parcels** for the 1.5-mile road widening project.
05/20 – 12/21 *(previous employer)*	**Contract 44-17598 – Rural Bridge Replacement Initiative Phase I (47 bridge structures), Districts 04, 05, 08, 58 (LADOTD)** – Lead Surveyor/ Surveyor of Record. Responsible for topographic surveys on 47 sites and property surveys and created 60% Base and Final Right-of-Way Maps for **over 20 bridge replacement structures** in central and northern LA.
01/14 – 06/15 *(previous employer)*	**S.P. H.009140, LA 1026 at LA 1030 Roundabout, Livingston Parish, LA (LADOTD)** – Lead/Surveyor of Record. Responsible for property surveys, title take offs, location of property monuments, creating 60% Base and **Final Right of Way maps including 8 parcels** as well as review of title work and generating parcel descriptions for the urban roundabout project in Denham Springs, LA. (01/14 – 06/15) previous employer

16. Staff Experience:	
11/17 - 12/18 *(prevois employer)*	**MA-17-02, Roddy Road Widening (US 61 to LA 935), Ascension Parish, LA (Ascension Parish)** – Project Surveyor/Surveyor of Record. Responsible for title take offs, property surveys, and preparation of 60% Base and **Final Right-of-Way Maps including 57 parcels** for the 1.5-mile road widening project.
05/22 – 06/24	**EN22-0181, Rousseau Rd. over Tchefuncte River, St. Tammany Parish, LA (St. Tammany Parish Government)** - Lead/Surveyor of Record. Responsible for the creation and development of property surveys, 60% Base and **Final right-of-way maps including 6 parcels** for the replacement of the existing bridge along Rousseau Rd. in Covington, LA.
11/17 - 12/18 *(prevois employer)*	**S.P. H.006457, Parker Road and PR 929 Roundabout, Ascension Parish, LA (LADOTD)** – Lead/Surveyor of Record. Responsible for topographic surveys of Urban intersection, data processing, title take off, property surveys. Reviewed title take offs, reviewed title reports and prepared 60% Base and **Final right-of-way maps including 18 parcels** for the roundabout project in Prairieville, LA.
04/23 – 03/24	**Bridges Near Amite and Bridges Near Independence, Tangipahoa Parish, LA (Tangipahoa Parish)** – Lead/Surveyor of Record. Performed title take offs and responsible for the preparation of property surveys and 60% Base Right-of-Way Maps for the replacement of 5 bridge structures near the Towns of Amite and Independence in Tangipahoa Parish.
06/14 – 07/15 *(prevois employer)*	**S.P. No. H.011289, LA 70 Bypass (Detour Route), LA 70, Assumption Parish, LA (LADOTD)** – Project Surveyor/Project Manager. Responsible for Property surveys, location of property markers for properties crossed along proposed route and creation of Base Right-of-Way maps for the proposed route.
08/18 – 12/18	**MA-18-10, LA 931 and Roddy Road Roundabout Ascension Parish, LA (Ascension Parish Government)** – Project Surveyor/Surveyor of Record. Responsible for title take offs, property surveys, and preparation of Base and **Final right-of-way maps including 22 parcels** for the roundabout project at the intersection of LA 931 and Roddy Rd.
08/15 – 08/18 *(prevois employer)*	**S.P. H.011540, Babin Road Bridge/Bayou Narcisse, Ascension Parish, LA (LADOTD)** - Lead/Surveyor of Record. Responsible for topographic surveys, data processing, GPS control establishment, title take off, property surveys. Reviewed title reports and prepared 60% Base and **Final right-of-way maps including 11 parcels** for the bridge replacement project in Gonzales, LA.
06/18 - 12/18 *(prevois employer)*	**MA-18-07, Braud Rd. and Germany Rd. Roundabout, Ascension Parish, LA (Ascension Parish Government)** – Lead/Surveyor of Record. Responsible for topographic surveys, data processing, GPS control establishment, performed title take offs, conducted property surveys, prepared 60% Base and Final Right of Way maps including 36 parcels for the roundabout project in Gonzales, LA.
01/14 - 01/15 *(prevois employer)*	**S.P. H.002381, LA 43 Creek Bridge Near Albany, Livingston Parish, LA (LADOTD)** - Lead/Surveyor of Record. Responsible for title take off, reviewing title reports, conducting property surveys, prepared 60% Base and **Final right-of-way maps including 8 parcels** for the bridge replacement project in Albany, LA.
09/04 – 06/07 *(previous employer)*	**S.P. No. 742-55-0102, Country Drive Widening, Terrebonne Parish, LA (LADOTD)** – Survey Support. Assisted with calculating **107 parcels on base and final right-of-way maps**; performing topographic survey; boundary survey for a 2.7 mile roadway widening project.
09/04 – 06/07 (previous employer)	**S.P. 246-01-0054, Route LA 57: Grand Caillou Road, Terrebonne Parish, LA (LADOTD)** – Survey Support. Assisted with calculating **35 parcels on Final right-of-way maps**, topographic survey; boundary survey for two-mile, four-lane UA-2 roadway widening project.

16. Staff Experience:

Firm employed by: **Crescent Engineering & Mapping, LLC**



Kelly G. Jones
Senior Technician

Years of relevant experience with this employer	2
Years of relevant experience with other employer(s)	3

Degree(s) / Years / Specialization			Bachelor of Arts/2012/Mathematics & English
Active registration number / state / expiration date			N/A
Year registered	N/A	**Discipline**	N/A
Contract role(s) / brief description of responsibilities			Sr. Technician – Property Surveys and Right-of-Way Mapping

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).
02/20 – 11/20 *(previous employer)*	**S.P. H.004113, I-12 to Bush: LA 3241 (LA 435 to LA 40/41), St. Tammany Parish, LA (LADOTD)** - Survey Technician. Prepared property parcel descriptions, assisted in the preparation of Final Right of Way maps, including 101 parcels for the for the 5.5 mile, four-lane, new corridor roadway from Talisheek to Bush, LA.
03/23 – Ongoing	**P231101 – Master Contract for Boundary and Topographic Surveys Parishwide, St. Charles Parish, LA (St. Charles Parish Government)** – Survey Technician. Prepared GPS control sketches and reports, processed data and prepared topographic surveys on various design projects, performed title take offs, reviewed title research reports, drafting property surveys, prepared servitude plats, Base and Final R/W maps for various drainage and transportation projects through various task orders parishwide. Projects included right of way, servitudes, full-parcel purchase, property subdivisions, and topographic surveys for design.
08/20 – 04/22 *(previous employer)*	**S.P. H.013116, LA 20 Widening (LA 307 to S. Vacherie), St. James & Lafourche Parishes (LADOTD) –** Project Technician. Assisted with the creation of 60% Base and **Final Right-of-Way Maps including 9 parcels** associated with the safety widening of LA 20 near Vacherie, LA.
05/20 – 12/21 *(previous employer)*	**Contract 44-17598 – Rural Bridge Replacement Initiative (Phase I) (47 bridge structures), Districts 04, 05, 08, 58 (LADOTD)** – Project Technician. Assisted with the creation of property surveys, 60% Base and **Final Right-of-Way Maps for over 20 bridge replacement structures** in central and northern LA.
06/21 – 05/22 *(previous employer)*	**Contract No. 4400019336, Rural Bridge Replacement Initiative (Phase 2) (40 bridge structures), LADOTD, Districts 04 and 05** – Project Technician. Assisted with the creation of property surveys 60% Base and **Final Right-of-Way Maps for 20 bridge replacement structures** in northern LA.
04/23 – 03/24	**Bridges Near Amite and Bridges Near Independence, Tangipahoa Parish, LA (Tangipahoa Parish)** – Sr. Project Technician. Assisted with the preparation of property surveys and 60% Base Right-of-Way Maps for the replacement of 5 bridge structures near the Towns of Amite and Independence in Tangipahoa Parish.
06/22 – 06/24	**EN22-0181, Rousseau Rd. over Tchefuncte River, St. Tammany Parish, LA (St. Tammany Parish Government)** – Sr. Project Technician. Assisted with the creation and development of property surveys, 60% Base and **Final Right-of-Way Maps including 6 parcels** for the replacement of the existing bridge along Rousseau Rd. in Covington, LA.
01/24 – Ongoing	**S.P. H.015334. 9th St. Bridge over St. Louis Canal, Terrebonne Parish, LA (LADOTD)** - Survey Technician. Prepared title take offs, prepared property survey submittal and 60% Base Right of Way maps including 6 parcels for the bridge replacement project in Houma, LA.

16. Staff Experience:

Firm employed by: **Crescent Engineering & Mapping, LLC**

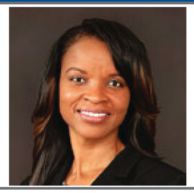
Dakotah "Kody" Holley
Survey Party Chief

Years of relevant experience with this employer	2
Years of relevant experience with other employer(s)	4

Degree(s) / Years / Specialization			High School Diploma/2017
Active registration number / state / expiration date			N/A
Year registered	N/A	**Discipline**	N/A
Contract role(s) / brief description of responsibilities			Survey Party Chief

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
03/23 - Ongoing	**P231101 – Master Contract for Boundary and Topographic Surveys Parishwide, St. Charles Parish, LA (St. Charles Parish Government)** – Survey Party Chief. Performed GPS static control surveys, digital levels, topographic surveys on various design projects, performed title take offs, performed property surveys for servitude plats, Base and Final R/W maps for various drainage and transportation projects through various task orders parishwide. Projects included right of way, servitudes, full-parcel purchase, property subdivisions, and topographic surveys for design.
08/22 – 10/22	**S.P. H.015101, Lowes Ave at LA 44 Roundabout, Ascension Parish, LA (Ascension Parish Government)** – Party Chief. Performed GPS static control establishment, digital levels, urban field topographic surveys of the existing roadway, sidewalks, utilities, bridges and other features, with a 180' wide full .DTM survey using LADOTD codes and procedures.
06/22 – 01/23	**LA 3127 Widening (LA 20 to LA 3213), St. James Parish, LA (St. James Parish)** – Party Chief. Performed GPS static control establishment, 8 miles of digital levels, field topographic surveys of the existing roadway, utilities, SUE locates, drainage and other features, survey for existing drainage map features for the **survey of 4.5 miles of roadway widening** with a 350' wide .DTM, using LADOTD codes and procedures.
01/24 – 06/24	**S.P. H.015334. 9th St. Bridge over St. Louis Canal, Terrebonne Parish, LA (LADOTD)** - Survey Party Chief. Performed GPS static control surveys, digital levels, topographic surveys and property surveys for Right of Way maps including 6 parcels for the bridge replacement project in Houma, LA.
05/23 – 08/23	**Bridges Near Amite, Tangipahoa Parish, LA (Tangipahoa Parish)** – Party Chief. Performed GPS static control establishment, digital levels, urban field topographic surveys of five (5) existing bridge sites, property surveys, survey of existing roadway, sidewalks, utilities, bridges and other features, with a 140' wide full .DTM survey at each site using LADOTD codes and procedures.
03/23 – 07/23	**LA 44 at LA 621 Roundabout, Ascension Parish, LA (Ascension Parish Government)** - Party Chief. Performed GPS static control establishment, digital levels, urban field topographic surveys of the existing roadway, sidewalks, utilities, bridges and other features, with a 180' wide full .DTM survey using LADOTD codes and procedures.
04/23 – 08/23	**Tammany Trace Connection to Heritage Park, St. Tammany Parish, LA (St. Tammany Parish Government)** – Party Chief. Performed GPS static control establishment, performed 4 miles digital levels of control points, field topographic surveys of the existing railroad, utilities, drainage, (3) bridge sites and other features, survey for existing drainage map features for a 250' wide .DTM, using LADOTD codes and procedures along a 2.4 mile segment near Slidell, LA.
10/20 – 03/21 (previous employer)	**S.P. H.001399, Happy Jack – N. Port Sulphur, Plaquemines Parish, LA (LADOTD)** – Survey Technician. Performed field topographic route surveys of the existing roadway sections including control and full .DTM survey using LADOTD procedures for the **widening to 4 lanes**.

16. Staff Experience:

Firm employed by: **Neel-Schaffer, Inc.**			
Dishili Young, PE, PTOE Vice President / Engineering Manager		**Years of relevant experience with this employer**	7
		Years of relevant experience with other employer(s)	15

Degree(s) / Years / Specialization			BS/2002/Civil Engineering; MS/2018/Civil Engineering
Active registration number / state / expiration date			33723/LA/09-30-2024
Year registered	2008	**Discipline**	Civil
Contract role(s) / brief description of responsibilities			Road Design - **Meets MPR 4**

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
04/23 – Present	**Jimmy Davis Design Build**: This project will construct a new 4-lane bridge over the Red River, convert LA 511 from a five-lane roadway to a 4-lane median divided roadway with turn lanes, and construct full-access interchange connections with LA 511 at both Arthur Ray Teague Parkway and Clyde Fant Memorial Parkway. She assisted with design-related tasks. Managed the roadway drainage design, and managed the scour analysis, attends team technical meetings and meetings with DOTD. Provided QA/QC. She also assisted with the proposal preparation, attended one-on-one meetings, and assisted with the technical writing for the proposal. Includes **Signal Design, TMP and pavement widening.**
08/20 – Present	**I-10/I-12 @ College Drive Flyover Ramp Design Build:** The proposed project realigns the two existing I-12 WB through lanes to more closely follow the I-12 EB existing alignment and replaces the I-10 WB Overpass Bridge with a new structure. In addition, the project physically separates College Drive NB through lanes from the free flow lane which connects the I-10 WB exit ramp to Corporate Boulevard. Assisted with the Quality Control Reviews for the roadway design, roadway drainage H&H and temporary striping and signing plans. Includes **Signal Design, TMP and pavement widening.**
02/10 – 12/11	**I-10 Widening Design-Build Siegen Ln. (LA Hwy 3246) to Highland Rd. (LA Hwy 74) for LA DOTD:** Served as Engineer and managed portions of the roadway and drainage design for this project. This project involved the widening of I-10 from four lanes to six, bridge reconstruction (I-10 over Wards Creek and I-10 over KCS Bridge), and drainage improvements along the corridor. In addition to assisting with the roadway design, Ms. Young completed the H&H analysis and scour analysis for the Wards Creek Bridge. She also assisted with the drainage design along the interstate corridor. Includes **pavement widening.**
01/09 – 11/11	**I-12 Widening Design - Build (O'Neal Ln. to Pete's Hwy):** Served as Engineer for this project which involved the roadway widening of I-12 and bridge reconstruction (I-12 over Amite River (two bridges) and I-12 over O'Neal Lane (two bridges)). In addition to assisting with the roadway design, Ms. Young assisted with the scour analysis and H&H analysis at the Amite River as well as the drainage design along the interstate corridor. Includes **pavement widening.**
10/23 – Present	**West Alabama Highway Progressive Design Build Project:** Ms. Young is assisting with the Quality Control Reviews for the roadway design and roadway drainage. This project will replace an existing 2-lane 100-mile roadway corridor with a 4-lane roadway along highway 43 and 69 from Thomasville to Tuscaloosa. NSI is currently completing the roadway design roadway drainage, bridge design & H&H for bridges for Segments 1, 2, 3, 9, 10 , 11 & 12.

16. Staff Experience:	
01/20 – Present	**I-20: LA 544 Overpass Replacement:** Managing the preliminary and final design services for this project. This project will replace the LA 544 Overpass diamond interchange with a diamond roundabout interchange. The project includes a new bridge over I-20 with sidewalks and four multilane roundabouts within a roundabout interchange with two roundabouts on a 3% longitudinal grade & partially on bridge. Includes a level 2 **TMP. Signal design and pavement widening.**
04/18 – Present	**I-49 South at Verot School Road:** Managing the design services for the interstate design and service road design (drainage, preliminary and **final road design and TMP**). This project will construct 2.4 miles of mainline freeway, bridges and an interchange at the intersection of I-49 South/US 90 and Verot School Road. This project includes the design of a major bridge crossing at Verot Rd. and I-49 and a roundabout at the relocated intersection of Verot Rd and South Collage Rd. Neel-Schaffer (NSI) is serving as the subconsultant for this project. NSI is designing the interstate mainline and frontage roadways, as well as, designing the drainage along these corridors. NSI is also completing the traffic design and level 3 TMP. Includes a multilane roundabout
09/18 – 12/18	**I-20 at 220 Interchange Improvement & BAFB Design-Build Project:** Included preliminary plan development for completing the existing partial interchange by adding a new flyover ramp, cloverleaf ramp, modifying existing ramps, and providing a new arterial roadway with a new bridge over the Kansas City Southern railroad.
07/22 – Present	**IDIQ Contract for Design of Safety Projects (Districts 02, 61 & 62):** This project provides safety improvements for several parishes within three Districts. The 11 projects included under this contract include tasks such as Stage 0 Feasibility Studies, Planning/Environmental, Design and construction related engineering. Project manager and QA/QC. Includes **Signal Design and pavement widening.**
08/17 – 03/19	**Juban Road Widening:** Served as the engineer of record and managed the completion of the roadway and drainage design services for this project which will widen LA 1026 (Juban Rd.), construct three multilane roundabouts and two new frontage access roadways, with storm drainage sewer systems.
08/17 – Present	**LA 1088 and US 90 Mandeville Bypass, Mandeville, LA:** This project will provide a new 3 Mile median divided roadway with integral bike path connecting LA 1088 near its interchange with I-12 and US 190 near Fontainebleau Park. It will construct five roundabouts and multiple entrances to Pelican Park. Ms. Young manages the roadway design services. Includes multiple multilane roundabouts.
06/23 – Present	**US 90: Roundabout at LA 101:** Roundabout intersection preliminary and final plans, drainage, sequence of construction and TMP.
09/22 – Present	**E. Milton Ave Improvements, Lafayette Parish, LA:** This project will widen an existing Roundabout at E. Milton Ave./Chemin Metairie Rd intersection from single lane to multi-lane and widen and overlay E. Milton Ave. and Chemin Metairie Rd. in Youngsville, LA. Roadway and Drainage Design.
12/14 – 08/17	**LA 447 Corridor Study, Walker, LA (LA 16 to US 190):** Assisted with the geometric design for the R-Cut and roundabout improvements, public outreach and served as Project Manager and road design lead for the EA. Includes multilane roundabouts
12/17 – 07/20	**Southcity Parkway Extension, Lafayette, LA:** This project constructs a 1.7 - mile, four-lane median divided corridor between US 167 (Johnston Street) with Kaliste Saloom Road. It includes three multilane roundabout intersections and a new bridge crossing of the Vermillion River. The roadway and drainage design are being completed in conformance with LADOTD guidelines. Ms. Young managed and assisted with the roadway, bridge hydraulics, no-rise certification, and roadway drainage design effort for this project. NSI provided public outreach, environmental, road design and traffic services.
10/13 – 12/16	**I-10 LA 30 Stage 0, Gonzales, LA:** Project Manager for line and grade geometry, public outreach considered 21 interchange types for new interchange concepts at I-10 at LA 30, as well as corridor improvements between LA 3251 and LA 44. CRPC Travel Demand model used with consideration of future interchanges at I-10 and LA 74 and LA 429. The concepts utilized in this study served as the base geometry for the preliminary plans. Includes Multilane Roundabout interchange
09/17 – Present	**Stage 0 Feasibility Study Modern Roundabouts, Lafayette, LA:** Road alignment, roundabout layout, and design, preparing cost estimates. 23 separate roundabouts

16. Staff Experience:

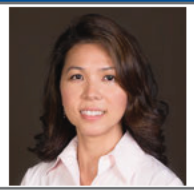
Firm employed by: **Neel-Schaffer, Inc.**			
Gary LeBlanc, PE Project Engineer		**Years of relevant experience with this employer**	2
		Years of relevant experience with other employer(s)	23

Degree(s) / Years / Specialization			BS/1994/Civil Engineering
Active registration number / state / expiration date			28220/LA/09-30-2025
Year registered	1999	**Discipline**	Civil
Contract role(s) / brief description of responsibilities			Road Design - **Meets MPR 4**

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
04/23 – Present	**Jimmie Davis Design Build:** This project will construct a new 4-lane bridge over the Red River, convert LA 511 from a five-lane roadway to a 4-lane median divided roadway with turn lanes, and construct full-access interchange connections with LA 511 at both Arthur Ray Teague Parkway and Clyde Fant Memorial Parkway. Project Engineer assisted with design related tasks and managed the production of signing plans and QA/QC. Includes **Signal Design, TMP and pavement widening.**
08/20 – Present	**I-10/I-12 @ College Drive Flyover Ramp Design Build:** The proposed project realigns the two existing I-12 WB through lanes to more closely follow the I-12 EB existing alignment and replaces the I-10 WB Overpass Bridge with a new structure. In addition, the project physically separates College Drive NB through lanes from the free flow lane which connects the I-10 WB exit ramp to Corporate Boulevard. Assisted with the Quality Control Reviews. Includes **Signal Design, TMP and pavement widening.**
10/23 – Present	**West Alabama Highway Progressive Design Build Project:** Assisting with the Quality Control Reviews for the roadway design and roadway drainage. This project will replace an existing 2-lane 100-mile roadway corridor with a 4-lane roadway along highway 43 and 69 from Thomasville to Tuscaloosa. NSI is currently completing the roadway design roadway drainage, bridge design & H&H for bridges for Segments 1, 2, 3, 9, 10 , 11 & 12.
07/23 – Present	**US 90 Roundabout at LA 101:** Providing QA/QC for improvements to the safety of the intersection by upgrading a two-way stop intersection into a single lane roundabout. The roundabout is being designed using LADOTD and FHWA guidelines. This is a single lane roundabout that will comfortably accommodate WB-67 since this intersection is a detour route for I-10. This project includes pavement signing and striping, drainage improvements, access management, construction sequencing, and cost estimates for bidding.
10/22 – 10/23	**East-West Connector (Winfield Road Congestion Relief):** NSI Performed a Traffic Study and Line and Grade for a new east-west corridor through Bossier Parish. Gary completed the Traffic Study for the project and all intersection analyses for the four major intersections. Includes multilane Roundabouts.
	Winfield Road Extension Project: Project will provide new four-mile connector roadway between LA 1 at Belleview. NSI will provide road design services. Gary will provide QA/QC. Includes **Signal Design, TMP and pavement widening.**
12/23 – Present	**LA 384 Feasibility Study:** QA/QC Capacity analysis and supporting documents

16. Staff Experience:	
	I-69 SUI 13 Road Design Services for ARDOT: NSI is contracted with ARDOT to provide roadway and drainage design services for a 30 Mile new segment of I-69 with multiple interchanges near Monticello. Mr. LeBlanc is providing QA/QC for the roadway design. This corridor will be constructed in phases to allow it to advance as funding is available. Neel-Schaffer will produce this design as separate design packages.
07/22 – Present	**I-20: LA 544 Overpass Replacement, Lincoln Parish, LA:** NSI is completing the preliminary and final design services for this project, which will replace the LA 544 Overpass diamond interchange with a diamond roundabout interchange. The new bridge over I-20 will include sidewalks and four multilane roundabouts. This project includes a level 2 TMP. QA/QC. Includes **Signal Design, TMP and pavement widening.**
04/22 – Present	**I-49 South at Verot School Road:** Provided QA/QC for this project which will construct 2.4 miles of mainline freeway and interchange at the intersection of I-49 South/US 90 and Verot School Road. This project includes the design of a major bridge crossing at Verot Rd. and I-49, and a roundabout at the relocated intersection of Verot Rd and South Collage Rd. NSI is serving as the subconsultant for this project and designing the mainline and frontage roadways and associated a drainage. Project includes preliminary and final plans as well as signals. Includes **Signal Design, TMP and pavement widening.**
07/22 – Present	**W. Broussard Roundabout at Duhon Rd. (LA 724):** This project will construct a roundabout and required drainage improvements. Includes roundabout. Completed the horizontal and vertical alignments (Preliminary and final design).
07/22 – Present	**E. Milton Ave. Roundabout Widening and Corridor Improvements, Youngsville, LA:** QA/QC this project includes a line and grade, preliminary and final plans for a 1.1-mile project at the intersection of Chemin Metairie Road and E. Milton Avenue. This project includes adding a two-way left turn lane to the existing 2-lane and converting a single roundabout to multilane roundabout. The corridor includes subsurface drainage, restricted crossing U-turn, and raised median to prevent left turn movements. Includes **pavement widening.**
07/22 – 4/24	**IDIQ Contract for Design of Safety Projects (Districts 02, 61 & 62):** This project provides safety improvements for four parishes within three Districts. The tasks included under this project are Stage 0 Feasibility Studies, Planning/Environmental, Design and construction related engineering. QA/QC.
12/12 – 07/22	**Design Development Engineer Manager – LADOTD** •Manages a staff of Engineering Interns, Design Engineers, and Engineer Technicians. Primary roles of the section include geometric design, striping, temporary traffic control and traffic management plans. •Assists with the development of standard plans and engineering directive and standards for highway agency in the expertise of geometric design, complete streets, temporary traffic control, roundabouts, and pavement markings. •Engineer of record for Louisiana Department of Transportation's Pavement marking Standard Plans and Temporary Traffic Control Standard Plans. •Member DOTD Work Zone Task Force
04/07 – 12/12	**HPMS/Highway Needs Engineer – LADOTD** •Maintained the Highway Needs database and prepared the annual Highway Needs report to the Louisiana legislature. The Highway needs information is used as an aid to select projects in the DOTD highway program. •Administered and developed the Highway Performance Monitoring System for DOTD. Prepared and submitted the annual HPMS Report to FHWA. The HPMS system is used by FHWA in various appropriation formulas which helps determine Louisiana's apportionment of the federal highway funds
1999 – 04/07	**Design Engineer – LADOTD** •Technical expert in selecting, designing, providing and maintaining criteria and methodology relative to the MUTCD and AASHTO Geometric Guidelines to ensure that most current concepts will be applied to Department's policies and design standards. Primary responsibilities included geometric design, capacity analysis, traffic studies, interstate signing projects, feasibility studies, scope of services negotiations, man-hour/ cost estimates, and plan reviews.

16. Staff Experience:

Firm employed by: **Neel-Schaffer, Inc.**			
Mai Nguyen, PE Roadway Design Engineer 		**Years of relevant experience with this employer**	8
		Years of relevant experience with other employer(s)	7

Degree(s) / Years / Specialization			BS/2008/Civil Engineering
Active registration number / state / expiration date			38189/LA/03-31-2026
Year registered	2013	**Discipline**	Civil
Contract role(s) / brief description of responsibilities			Road Design - **Meets MPR 4**

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
04/23 – Present	**Jimmie Davis Design Build:** This project will construct a new 4-lane bridge over the Red River, convert LA 511 from a five-lane roadway to a 4-lane median divided roadway with turn lanes, and construct full-access interchange connections with LA 511 at both Arthur Ray Teague Parkway and Clyde Fant Memorial Parkway. Project Engineer assisted with design related tasks. Includes **Signal Design, TMP and pavement widening.**
08/20 – present	**I-10/I-12 @ College Drive Flyover Ramp Design Build**: The proposed project realigns the two existing I-12 WB through lanes to more closely follow the I-12 EB existing alignment and replaces the I-10 WB Overpass Bridge with a new structure. In addition, the project physically separates College Drive NB from the free flow lane which connects the I-10 WB exit ramp to Corporate Boulevard. Assisted with the Quality Control Reviews for the roadway design and created signing plans for proposal plan set. Includes **Signal Design, TMP and pavement widening.**
9/18 – 12/18	**I-20 at 220 Interchange Improvement & BAFB Design-Build Project:** Included preliminary plan development for completing the existing partial interchange by adding a new flyover ramp, cloverleaf ramp, modifying existing ramps, and providing a new arterial roadway with a new bridge over the Kansas City Southern railroad. Assisted in the roadway design.
01/20 – Present	**I-20: LA 544 Overpass Replacement, Lincoln Parish, LA:** Lead for road design preliminary and final design services for this project, which will replace the LA 544 Overpass diamond interchange with a diamond multilane roundabout interchange on a 3% longitudinal grade. The new bridge over I-20 will include sidewalks and four multilane roundabouts. This project includes a level 2 TMP. Includes **Signal Design, TMP and pavement widening.**
04/18 – Present	**I-49 South at Verot School Road:** This project will construct 2.4 miles of mainline freeway, bridges, and an interchange at the intersection of I-49 South/US 90 and Verot School Road. Work includes a major bridge design and a roundabout at the relocated intersection of Verot Rd and South Collage Rd. NSI is designing the interstate mainline and frontage roadways (drainage, preliminary and final road design and TMP) as well as the drainage along these corridors. NSI is also completing the traffic design. Includes roundabout Roadway design lead. Includes **Signal Design, TMP and pavement widening.**
08/17 – 07/18	**I-10 New Orleans Master Plan:** Provided engineering support in development of horizontal and vertical alignments of roadways, and geometric layouts of traditional interchanges, with multiple bridges, alternative intersections, ramps, roundabouts, and HOV lanes to provide access to the Port of New Orleans.

16. Staff Experience:	
9/22 – Present	**E. Milton Ave Improvements, Lafayette Parish, LA:** This project will widen an existing Roundabout at E. Milton Ave./Chemin Metairie Rd intersection from single lane to multi-lane and widen and overlay E. Milton Ave. and Chemin Metairie Rd. in Youngsville, LA. This project includes curb and gutter with sidewalks. Mai is designing this project and assisting with plan production. Established design criteria, typical roadway sections, horizontal and vertical geometry, ID structure locations and more. Ms. Nguyen is working on the roadway design for the City of Youngsville. Project includes preliminary and finals plans.
02/22 – Present	**W. Broussard Roundabout at Duhon Rd. (LA 724):** This project will construct a roundabout and required drainage improvements. Review of design, assist with plan production. Preliminary plans completed. Final design ongoing.
12/22 – Present	**LA 89 @ Guillot Rd Improvements:** Existing drainage determination, proposed drainage design and plan preparation. Includes roundabouts.
08/22 – Present	**LA 89 at Chemin Metairie Parkway, Youngsville, LA:** This project will provide a new two-lane connector roadway with drainage between Chemin Metairie Parkway and LA 89. Mai is working on the roadway design for the City of Youngsville. Project includes preliminary and final plans.
01/11 – 01/14	**LA 447 Corridor Study, Walker, LA (LA 16 to US 190):** Corridor study to evaluate corridor improvements along LA 447 between LA 16 and Burgess Ave. Project included the interchange at I-12. Includes multilane roundabouts
09/14 – 08/15	**LA 16: Roundabout @ LA 447, Livingston, LA:** Responsible for developing roundabout preliminary roadway plans in accordance with LaDOTD design guidelines, creating horizontal and vertical alignment layouts, modeling roadway to determine required right-of-way limits, developing sequence of construction, and perform hydraulic analysis.
11/15 – 07/20	**Southcity Parkway Extension, Lafayette, LA:** This project will construct a new 1.7-mile, four-lane median divided corridor between US 167 (Johnston Street) with Kaliste Saloom Road. It includes three multilane roundabout intersections and a new bridge design. The roadway and drainage design are being completed in conformance with LADOTD guidelines. NSI provided public outreach, environmental, road design (preliminary and final plans) and traffic services.
02/17 – 06/17	**LA 6 (I-49 Interchange to LA 3278) Corridor Study in Natchitoches, LA:** LA 6 Corridor Study Includes analysis of proposed roundabout interchange (3 roundabouts) geometry intersections. Project Engineer responsible for line and grade geometric alternatives and cost estimates supporting the study.
07/15 – Present	**US 90 Pearl River Bridges Environmental Assessment, St. Tammany Parish, LA and Hancock County, MS:** Project includes the replacement of five bridges. This project also includes roundabout intersections. Project Engineer for over 75 line and grade alternatives. Developed horizontal and vertical alignments, considering required drainage and ROW requirements were developed and analyzed for potential environmental impacts and costs. Includes a roundabout intersection
05/12 – 10/14	**LA 44 Intersection Improvement @ LA 934, Ascension, LA:** Responsible for developing roadway plans in accordance with LaDOTD design guidelines, performing sub-surface drainage calculations, creating horizontal and vertical alignment layouts, modeling roadway to determined required right-of-way limits, and calculating quantities and cost estimates for bidding.
09/15 – 10/17	**LA 22 (Dalwill to Rodger Storm) Corridor Study:** Includes analysis of six roundabout geometry intersections. Project Engineer responsible for line and grade geometric alternatives and cost estimates supporting the study.
06/13 – Present	**Stage 0 Feasibility Study Modern Roundabouts, Lafayette, LA:** Road alignment, roundabout layout, and design, preparing cost estimates. 23 separate roundabout projects
02/15 – 12/16	**US 51 Business Corridor Study (I-12 to Coleman):** Includes analysis of three roundabout geometry intersections. Project Engineer responsible for line and grade geometric alternatives and cost estimates supporting the study.
02/15 – 10/16	**US 51 Corridor Study (W University to I-55):** Includes analysis of eight roundabout geometry intersections. Project Engineer responsible for line and grade geometric alternatives and cost estimates supporting the study.

16. Staff Experience:

Firm employed by: **Neel-Schaffer, Inc.**			
Chance Shuckrow, PE Project Engineer		**Years of relevant experience with this employer**	10
		Years of relevant experience with other employer(s)	0

Degree(s) / Years / Specialization			BS/2014/Civil Engineering
Active registration number / state / expiration date			42746/LA/03-31-2025
Year registered	2018	**Discipline**	Civil
Contract role(s) / brief description of responsibilities			Road Design - **Meets MPR 4**

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
04-23 – Present	**Jimmie Davis Design Build:** This project will construct a new 4-lane bridge over the Red River, convert LA 511 from a five-lane roadway to a 4-lane median divided roadway with turn lanes, and construct full-access interchange connections with LA 511 at both Arthur Ray Teague Parkway and Clyde Fant Memorial Parkway. Project Engineer assisted with design related tasks. Includes **Signal Design, TMP and pavement widening.**
08/20 – Present	**I-10/I-12 @ College Drive Flyover Ramp Design Build:** The proposed project realigns the two existing I-12 WB through lanes to more closely follow the I-12 EB existing alignment and replaces the I-10 WB Overpass Bridge with a new structure. In addition, the project physically separates College Drive NB from the free flow lane which connects the I-10 WB exit ramp to Corporate Boulevard. Assisted with the Quality Control Reviews for the roadway design and roadway drainage design. Includes **Signal Design, TMP and pavement widening.**
09/18 – 12/18	**I-20 at 220 Interchange Improvement & BAFB Design-Build Project**: Included preliminary plan development for completing the existing partial interchange by adding a new flyover ramp, cloverleaf ramp, modifying existing ramps, and providing a new arterial roadway with a new bridge over the Kansas City Southern railroad. Assisted in the roadway design.
08/14 – 03/15	**US 90 (Future I-49) LA 318 Interchange-Design Build Project:** The project included a new grade separated interchange at the existing LA 318 intersection, the reconstruction of the mainline of US 90 (future I-49) and a frontage road system. NSI developed interchange designs for the LA 318 overpass, the US 90 WB entrance ramp, and the frontage roads. Mr. Shuckrow provided design support.
06/23 – Present	**US 90: Roundabout at LA 101:** Roundabout intersection preliminary and final plans, drainage, sequence of construction and TMP.
05/22 – Present	**E. Milton Ave. Improvements, Youngsville, LA:** This project will **widen** the existing roundabout at the intersection of E. Milton Ave. and Chemin Metairie Rd. from a single-lane to a multi-lane roundabout, as well as provide corridor improvements along E. Milton Ave. Technical lead on drainage design and QA/QC on line and grade, roadway design.
08/22 – Present	**LA 89 at Chemin Metairie Parkway, Youngsville, LA:** This project will provide a new two-lane connector roadway with drainage between Chemin Metairie Parkway and LA 89. Project includes preliminary and final plans and roadway drainage.
12/22 – 01/14	**LA 89 @ Guillot Rd Improvements:** Existing drainage determination, proposed drainage design and plan preparation. Includes roundabouts. Included tasks similar to a line and grade.w

16. Staff Experience:	
02/22 – Present	**W. Broussard Roundabout at Duhon Rd. (LA 724):** This project will construct a roundabout and required drainage improvements. Includes roundabout. Technical lead and engineer of record.
10/22 – Present	**Velascco Crossing, Youngsville, LA:** This project will provide a new two-lane connector roadway with drainage between Chemin Metairie Parkway and the Existing Velascco Crossing. Project includes preliminary and final plans and roadway drainage.
06/13 – Present	**Stage 0 Feasibility Study Modern Roundabouts, Lafayette, LA:** Road alignment, roundabout layout, and design, preparing cost estimates. The project includes over 20 roundabout intersections.
01/11 – 01/14	**LA 447 Corridor Study (LA 16 to US 190), Walker, LA:** Project Engineer for a corridor study to evaluate corridor improvements along LA 447 between LA 16 and Burgess Ave. Project included the interchange at I-12. Assisted with geometric layouts and cost estimates. Includes multilane roundabouts.
08/14 – 03/19	**Juban Road (LA 1026) Widening, Livingston Parish, LA:** Final design for reconstruction of Juban Rd as a four-lane median divided roadway with multilane roundabouts intersections and a shared use path. Completed vertical and horizonal alignments and modeled the project with Bentley software, assisted with the drainage design and preparation of plans.
02/20 – Present	**I-20: LA 544 Overpass Replacement, Lincoln Parish, LA:** NSI is completing the preliminary and final design services for this project, which will replace the LA 544 Overpass diamond interchange with a diamond roundabout interchange. The new bridge over I-20 will include sidewalks and four multilane roundabouts. This project includes a level 2 TMP.
11/15 – Present	**Southcity Parkway Extension - Lafayette, LA:** This project will construct a new 1.7-mile, four-lane median divided corridor between US 167 (Johnston Street) with Kaliste Saloom Road. It includes three multilane roundabout intersections and a new bridge design. The roadway and drainage design are being completed in conformance with LADOTD guidelines. NSI provided public outreach, environmental, road design and traffic services.
09/15 – Present	**LA 27 Left Turn Lanes for Cameron LNG Plant in Cameron Parish, LA:** Assisted in roadway design, development of alignments, modeling, and preparation of plans.
09/15 – Present	**Ham Reid at LA 3092 Intersection Improvements:** This project will construct a roundabout at the intersection of LA 3092 and Ham Reid Road. The roadway and drainage design were completed in accordance with LADOTD guidelines.
07/15 – Present	**US 71 Corridor Study, Bossier Parish, LA:** Assisted in geometric layout of roadway and development of alternatives.
08/17 – 03/20	**LA 73 Turn Lanes, Ascension Parish, LA:** This project will construct turn lanes at multiple locations along LA 73. The roadway and drainage design were completed in accordance with LADOTD guidelines.
03/15 – Present	**Mandeville Bypass, Mandeville, LA:** This project will provide a new three-mile median divided roadway with integral bike path connecting LA 1088 near its interchange with I-12 and US 190 near Fontainebleau Park. It will construct five roundabouts and multiple entrances to Pelican Park. Work includes roadway design and multiple multilane roundabouts.
08/14 – 03/19	**I-49 South at Verot School Road:** This project will construct 2.4 miles of mainline freeway, bridges, and an interchange at the intersection of I-49 South/US 90 and Verot School Road. Work includes a major bridge design and a roundabout at the relocated intersection of Verot Rd and South Collage Rd. NSI is designing the interstate mainline and frontage roadways (drainage, preliminary and final road design and TMP) as well as the drainage along these corridors. Includes roundabout design. Includes Signal Design, TMP and pavement widening.
09/18 – 12/18	**I-20 at 220 Interchange Improvement & BAFB Design-Build Project:** The project included preliminary plan development for completing the existing partial interchange by adding a new flyover ramp, cloverleaf ramp, modifying existing ramps, and providing a new arterial roadway with a new bridge over the Kansas City Southern railroad. Mr. Shuckrow provided design support.

16. Staff Experience:

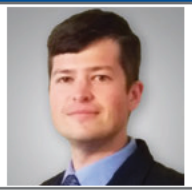
Firm employed by: **Neel-Schaffer, Inc.**			
Ellen Burke Howard, PE, PTOE Senior Project Engineer		**Years of relevant experience with this employer**	8
		Years of relevant experience with other employer(s)	5

Degree(s) / Years / Specialization			BS/2009/Civil Engineering
Active registration number / state / expiration date			38207/LA/03-31-2026; PTOE No. 3735
Year registered	2013	**Discipline**	Civil
Contract role(s) / brief description of responsibilities			Signal Design, TMP

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).
04/23 – Present	**Jimmie Davis Design Build:** This project will construct a new 4-lane bridge over the Red River, convert LA 511 from a five-lane roadway to a 4-lane median divided roadway with turn lanes, and construct full-access interchange connections with LA 511 at both Arthur Ray Teague Parkway and Clyde Fant Memorial Parkway and provide associated roadway drainage systems. Includes **pavement widening.** Project Engineer for traffic analysis, **TMP, traffic signal design** and safety analysis.
08/20 – Present	**I-10/I-12 @ College Drive Flyover Ramp Design Build:** The proposed project realigns the two existing I-12 WB through lanes to more closely follow the I-12 EB existing alignment and replaces the I-10 WB Overpass Bridge with a new structure. In addition, the project physically separates College Drive NB from the free flow lane which connects the I-10 WB exit ramp to Corporate Boulevard. Project Engineer for traffic analysis, **TMP, traffic signal design** and safety analysis. Includes **pavement widening.**
09/18 – 12/18	**I-20 at 220 Interchange Improvement & BAFB Design-Build Project:** Included traffic analysis for completing the existing partial interchange by adding a new flyover ramp, cloverleaf ramp, modifying existing ramps, and providing a new arterial roadway with a new bridge over the Kansas City Southern railroad. Includes **pavement widening.**
02/20 – Present	**I-20 at LA 544 Overpass Replacement, Lincoln Parish, LA:** This project will replace the existing LA 544 bridge crossing and interchange with a new bridge and roundabouts. This project includes four multilane roundabouts located in a tight project area with many constraints and large grade changes. The roundabouts will connect ramps and service roads with adjacent businesses. The project includes a new bridge with a sidewalk over I-20. The entire project limits are complete street complaint which means it provides facilities for all users. Tasks similar to Line and Grade completed: Established design criteria, typical roadway sections, horizontal and vertical geometry, ID structure locations and more. QA/QC **TMP, and signal design**. Includes **pavement widening.**
09/21 – Present	**MOVEBR Harding Boulevard at Interstate I-110 (C-P Proj. No. 20-CP-HC-0016):** Traffic Engineer responsible for Initial and Final Data Collection, Existing Safety Analysis and existing and no build traffic analysis. Includes **pavement widening.**
03/21 – Present	**MOVEBR N. Sherwood Forest Extension (C-P Proj. No. 20-CP-HC-0014):** Traffic Engineer responsible for Initial and Final Data Collection, Existing Safety Analysis, Existing and No Build HCS signal analysis, Chapter 1 and Chapter 2 of Final Report Includes **pavement widening and traffic signal design.**

16. Staff Experience:	
09/20 – Present	**MOVEBR College Drive Enhancements (C-P Proj. No. 19-EN-HC-0033):** Traffic Engineer responsible calibrated Vissim model, existing and no build traffic analysis and alternatives analysis. Includes **pavement widening and traffic Signal Design.**
01/14 – 12/16	**LA 30 Stage 0, Gonzales, LA – Traffic & Safety Study (S.P. No. 44-1862, T.O. H.010572.1):** Traffic Engineer responsible for Data Collection, Corridor Traffic Operational Analysis (Synchro and Sidra), Calibrated Vissim Modeling, Stage 0 Traffic Report Includes **pavement widening.**
01/14 – 03/16	**LA 73 Corridor Study (LA 74 to LA 621) Stage 0 Feasibility Study (Contract No. 4400003362, T.O. No. H.011160.1):** Traffic Engineer responsible for Data Collection, Warrant Analysis, Corridor Operational Analyses (Synchro and Sidra), Stage 0 Traffic Report Preparation. Includes **pavement widening.**
01/19 – 03/20	**District 07 Safety Investment Plan:** Traffic Engineer responsible for Data Collection. Includes **pavement widening.**
01/14 – 05/15	**Safety Study, LA 49 (Williams Blvd.,) Kenner, LA – Stage 0 / Safety Study (S.P. No. 4400001583, T.O. No. H.010570):** Traffic Engineer responsible for Data Collection, Intersection Operational Signal Analyses (Synchro), and Vissim Modeling. Includes **pavement widening.**
01/14 – 06/14	**Stage 0 Study, considering the extension of Edenborne Parkway to South St. Landry Road (approximately 1 mile) for Ascension Parish:** Traffic Engineer responsible for Intersection Operational Analyses (Sidra). Includes **pavement widening.**
08/16 – 01/17	**LA 433 at Carroll Road, Stage 0 Study considering construction of modern roundabout (St. Tammany P.O. S109476):** Traffic Engineer responsible for Intersection Operational Analyses (Synchro and Sidra), Warrant Analysis. Includes **pavement widening.**
10/17 – 01/18	**Move Ascension - 6 Intersection Improvement Studies for Ascension Parish:** Traffic Engineer responsible for Data Collection, Intersection Traffic Operational Analyses (Synchro, Vistro, and Sidra), Safety Analyses, Warrant Analysis, Signal Analysis, Benefit/Cost Analyses, and Traffic Report Preparation. Includes **pavement widening and traffic signal design.**
12/19 – 03/20	**US 80: Intersection @ Bellevue Rd (S.P. No. 4400010504, T.O. No. H.014044.1):** Traffic Engineer responsible for Initial and Final Data Collection, Existing Safety Analysis, and Chapter 1 of Final Report and **signalized intersection analysis**. Includes **pavement widening.**
2/16 – 04/18	**LA 22 (Rou Mar Nei Drive to 1st Street) (Contract No. 4400004064, T.O. No. H.011618.1)**: Traffic Engineer assisted with corridor traffic operational analyses including **traffic signal analysis**. Includes **pavement widening.**
02/15 – 12/17	**US 51 Business (I-12 to Coleman) Corridor Study (Contract No. 4400004064, T.O. No. H.011402.1):** US 51 Business Corridor Study: Includes analysis of three roundabout geometry intersections. Traffic Engineer assisted with Corridor Operational Analyses Includes **pavement widening.**
02/15 – 12/17	**US 51 (W University to I-55) Corridor Study (Contract No. 4400004064, T.O. No. H.011401.1):** Includes analysis of eight roundabout geometry intersections. Traffic Engineer assisted with Corridor Operational Analyses. Includes **pavement widening.**
09/15 – 01/17	**US 90 - US 61 - LA 611-9 Corridor Improvements (S.P. No. 4400004829, T.O. No. H.011646.5):** Traffic Engineer responsible for Warrant Analysis, Safety Analysis, Signal Inventory, Travel Time Runs, Initial and Final Data Collection Report Preparation. Includes **pavement widening.**
09/15 – 05/16	**LA 19 Widening (LA 64 to Sunset Blvd.) - Stage 0 Study (S.P. No. 4400004012, T.O. No. H.011695.1):** Traffic Engineer responsible for Data Collection, Warrant Analysis, Intersection Operational Analyses (Synchro), and Traffic Report Preparation. Includes **pavement widening.**
01/15 – 06/15	**LA 3002, 16 & 1034 Corridor Study Phase 2 (Contract No. 4400004064, T.O. No. H.011645.1):** Traffic Engineer responsible for Data Collection and **traffic signal analysis**. Includes **pavement widening.**

16. Staff Experience:

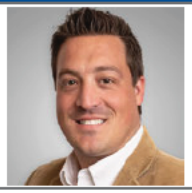
Firm employed by: **Neel-Schaffer, Inc.**			
Jonathan Duhe, PE, PTOE, RSP Project Engineer		**Years of relevant experience with this employer**	12
		Years of relevant experience with other employer(s)	1

Degree(s) / Years / Specialization			BS/2011/Civil Engineering
Active registration number / state / expiration date			41047/LA/03-31-2025; PTOE No. 4418; RSP No. 282
Year registered	2016	**Discipline**	Civil
Contract role(s) / brief description of responsibilities			Signal 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).
04/23 – Present	**Jimmie Davis Design Build:** This project will construct a new 4-lane bridge over the Red River, convert LA 511 from a five-lane roadway to a 4-lane median divided roadway with turn lanes, and construct full-access interchange connections with LA 511 at both Arthur Ray Teague Parkway and Clyde Fant Memorial Parkway and provide associated roadway drainage systems. Project Engineer for **signal design and safety analysis**. Includes **pavement widening.**
06/20 – Present	**I-10/12 College Drive Flyover Design Build, Baton Rouge, LA:** Traffic Engineer. Performing a traffic study at the I-10/12 merge in an effort to improve capacity and safety. Assisted with uncalibrated VISSIM model. Assisted with **safety analysis and signal design**. Includes **pavement widening.**
02/20 – Present	**I-20 at LA 544 Overpass Replacement, Lincoln Parish, LA:** This project will replace the existing LA 544 bridge crossing and interchange with a new bridge and roundabouts. This project includes four multilane roundabouts located in a tight project area with many constraints and large grade changes. The roundabouts will connect ramps and service roads with adjacent businesses. The project includes a new bridge with a sidewalk over I-20. The entire project limits are complete street complaint which means it provides facilities for all users. Tasks similar to Line and Grade completed: Established design criteria, typical roadway sections, horizontal and vertical geometry, ID structure locations and more. Mr. Duhe provided **signal design review**. Preliminary and final plans. Includes **pavement widening.**
08/22 – Present	**LRSP Ardenwood Dr Road Diet, Baton Rouge, LA:** Project Engineer, Responsible for Data Collection (Traffic Counts and Peak Hour Observations), Traffic Forecasting, Safety Analyses, Corridor Operational Analyses (HCS, Sidra), Safety Analyses, Traffic Report Preparation.
07/21 – Present	**FYA Signal Improvement (LCG), Lafayette, LA:** Project Engineer. Oversaw development of signal plans to upgrade **28 intersections** to include flashing yellow arrow signal heads as well as backplates.
09/21 – Present	**Harding Blvd at I-110, Baton Rouge, LA:** Traffic Engineer. Performing a traffic study along Harding Boulevard between Rosewood Street and Merle Gustafson Drive including the I-110 Ramps in an effort to improve capacity. Assisted with data collection and Initial Data Collection Report. Includes **pavement widening.**
09/20 – Present	**College Drive Enhancement Project, Baton Rouge, LA:** Traffic Engineer. Performing a traffic study along College Drive between Perkins Road and Bawell Street/Bankers Avenue including the I-10 Ramps in an effort to improve capacity and safety. Assisted with data collection including peak period observations and travel time runs. Also performed safety analysis along the College Drive corridor.

16. Staff Experience:	
04/20 – 06/21	**District 05 Safety Investment Plan District 05, LA:** Traffic Engineer. Assisted with safety analysis including reviewing crashes utilizing LaDOTD's CATScan tool and performing benefit-cost analysis of potential safety improvements. Also assisted with report preparation.
02/19 – 03/20	**District 07 Safety Investment Plan District 07, LA:** Traffic Engineer. Assisted with safety analysis including reviewing crashes utilizing LaDOTD's CATScan tool and performing benefit-cost analysis of potential safety improvements. Also assisted with report preparation.
11/17 – 04/19	**District 08 Safety Investment Plan District 08, LA:** Traffic Engineer. Assisted with safety analysis including reviewing crashes utilizing LaDOTD's CATScan tool and performing benefit-cost analysis of potential safety improvements. Also assisted with report preparation.
11/16 – 04/19	**LA 385 (Ryan St) Feasibility Study, Lake Charles, LA:** Traffic Engineer. Assisted with intersection analysis including Vistro analysis. Assisted with safety analysis including reviewing crashes, creating collision diagrams, identifying conflict points, and using LaDOTD's CATScan tool to analyze safety. Also assisted with report preparation. Includes pavement widening.
02/16 – 10/17	**LA 6 Feasibility Study, Natchitoches, LA:** Traffic Engineer. Assisted with intersection analysis including Sychro and Sidra analysis. Assisted with safety analysis including reviewing crashes, creating collision diagrams, and using the HSM Predictive method to analyze safety of potential alternatives. Also assisted with report preparation.
02/15 – 12/17	**US 51 Business (I-12 to Coleman) Corridor Study:** Traffic Engineer. Assisted with report preparation.
06/15 – 07/16	**LA 431 at LA 934 Intersection Improvements, Ascension Parish, LA:** Performed a traffic signal timing study for 5 intersections along LA 431 and signal design plans for the intersection of LA 431 at LA 934 in association with the proposed intersection improvements.
04/18 – 06/19	**LA 1256 Adaptive Signal System, Cameron Parish, LA:** Engineer for modification of 5 traffic signals along LA 1256 from Dave Dugas Road to I-10 in Sulphur, LA in order to implement the SynchroGreen Adaptive traffic signal system.
03/20 – 06/20	**Braud Rd at Germany Rd Temp. Signal Design, Gonzales, LA:** Project Engineer developed signal layout and timing parameters for temporary signal. Signal design included developing Clearance Calculations, utilizing Synchro for signal timing, designing in MicroStation software, developing Intersection Quantities, and creating a Traffic Signal Inventory).
03/19 – 11/19	**District 08 Signal Timing Study, Natchitoches, LA:** Project Engineer Oversaw Data Collection (TMCs, Observations, Inventory, Travel Runs, etc), Signal Warrant Analyses, Intersection Operations Analyses (Synchro), Developed new signal timing and TSIs.
03/19 – 11/19	**US 61 Signal Timing Study, Baton Rouge, LA:** Project Engineer Oversaw Data Collection (TMCs, Observations, Inventory, Travel Runs, etc), Signal Warrant Analyses, Intersection Operations Analyses (Synchro), Developed new signal timing and TSIs.
04/19 – 11/19	**LA 14 Signal Timing Study, Lake Charles, LA:** Project Engineer Oversaw Data Collection (TMCs, Observations, Inventory, Travel Runs, etc), Signal Warrant Analyses, Intersection Operations Analyses (Synchro), Developed new signal timing and TSIs.
12/19 – Present	**US 80 Feasibility Study, Stage 0/Traffic & Safety Study, Haughton, LA:** Stage 0 Report in support of safety improvements along US 80 corridor, specifically in the vicinity of Bellevue Road and Mid-South Loop Road. All analysis performed in HCS for this study. The traffic study was performed in accordance with DOTD's TEPR. Project includes signalized intersections. Oversaw Intersection Operational Analyses (HCS), safety analysis, alternative development, and traffic report preparation. Includes pavement widening.

16. Staff Experience:

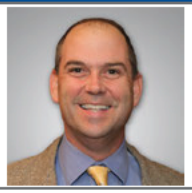
Firm employed by: **Neel-Schaffer, Inc.**			
Clarke Chauvin, PE, PTOE, PMP Transportation Project Manager 		**Years of relevant experience with this employer**	1
		Years of relevant experience with other employer(s)	10

Degree(s) / Years / Specialization			BS/2013/Civil Engineering
Active registration number / state / expiration date			41770/LA/09-30-2025
Year registered	2017	**Discipline**	Civil
Contract role(s) / brief description of responsibilities			Signal 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).
2020 – 2024	**ITS Management, Operations, and Maintenance Engineering and Inspections (ME&I) (44-16811), Statewide in Louisiana:** Project Manager. Served as a pre-professional, engineer, and project manager for the ITS Maintenance Retainer Contract. He has performed routine maintenance on emergency crossover gates, travel time message system, CCTV camera sites, RVD sites, ramp meter sites as well as DMS sites. His skills include but are not limited to: device troubleshooting, communication and network troubleshooting, parts replacement, site cleaning, pest extermination, traffic control setup, as well as coordinating with law enforcement, TMC operations staff, and DOTD. He has had additional training in ITS devices, networking, wireless communication, and fiber optics and has utilized this information to be an effective trouble shooter and problem solver on the ITS Maintenance Retainer. His foundation of working hands-on and in every role of this project has allowed him to excel in management and leadership.
2020 – 2024	**H.013256 I-10 ITS Scott to Lake Charles, Lafayette, Acadia, and Jefferson Davis Parishes:** Project Manager. To improve safety and reliability of Louisiana's most travelled roadway, Clarke served as Project Manager to develop construction plans for 15 CCTV sites along I-10. With his background in hands-on ITS work, Clarke was able to provide unique insights into the project after it moves past construction and into preventative maintenance. Additionally, his experience with DOTD's network allowed the team to bring existing isolated sites into the project to create network redundancy through fiber optic rings to better serve DOTD's long term needs.
2018 – 2024	**GNOEC Safety Bays, Greater New Orleans Expressway Commission, Metairie, LA:** Project Engineer. To promote safety and reduce congestion along the longest bridge in the world, Clarke was involved in designing an ITS system to supplement 12 safety bays currently under construction on the Causeway Bridge across Lake Pontchartrain. In addition to evaluating detection technologies to handle a non-standard application, Clarke worked to devise a communication system to remotely notify TMC staff when these safety bays were occupied to provide emergency assistance as quickly as possible. This included planning a detection system, a remote notification system, a CCTV camera system, and allocating fiber optic cables to design a redundant fiber optic ring. Due to the distances and redundancies involved, Clarke determined necessary equipment for this communication ring and created network and wiring diagrams for construction plans.

16. Staff Experience:	
2017 – 2018	**H.012748 – Baton Rouge Hubsites Emergency Generators, Baton Rouge, LA:** Project Manager. Clarke was the PM and assisted in the installation and integration of the generators for the Hubsite generator project for LADOTD. He coordinated with DOTD District personnel, DOTD ITS personnel, DOTD compliance, ITS LLC personnel, and various subcontractors to install six generators ranging from 30kW to 80kW with the intent of providing emergency power to DOTD communication hub buildings. The completion of this project allows equipment and communications to remain uninterrupted during times of emergency, allowing DOTD and other emergency personnel to handle situations in traffic and safety as they arise. Clarke utilized his electrical, networking, and engineering background to determine what equipment and materials were required as the plans were revised as well as oversaw the network allocations and communications, providing Ethernet communication and access for SNMP monitoring. He also created accurate As-Built drawings and quantity spreadsheets to keep track of items on this project. Clarke coordinates ongoing maintenance for this project, ensuring the equipment remains operational.
2018 – 2019	**US 90 Adaptive Corridor, Westlake, LA:** Project Manager. Clarke performed network design and construction project management for the US 90 adaptive traffic signal corridor in Westlake, LA. In addition to performing the initial field wireless testing to determine appropriate frequency, power, mounting heights, etc., Clarke designed and allocated IP addresses for the various equipment at these intersections. He programmed controllers, switches, radar detection, and wireless Ethernet radios. The communication system is currently active and the signals have been integrated into DOTD's adaptive system. Clarke is currently responsible for ongoing maintenance and performance monitoring and has set up network management software to collect performance data and notify ITS LLC and DOTD with issues.
2019 – 2020	**LADOTD DSRC Connected Vehicle Pilot, Baton Rouge, LA:** Project Manager for DOTD's first connected vehicle project. He managed a crew for the installation of Spectra RSU devices and worked with manufacturers and DOTD personnel to ensure the integration and operation of the devices. Even though there were many challenges with this first of its kind project, Clarke's hands-on experience allowed him to step in and update code on the devices to ensure proper functionality with DOTD's system.
2019	**Queue Detection in Work Zones, Statewide in Louisiana, LTRC:** Project Manager. LTRC performed a study regarding queue build up on the interstate when a lane drop is required for construction. ITS LLC was brought on to assist with data collection for this study. Clarke is Project Manager and worked with LTRC, DOTD District personnel, contractors, and inspectors to identify locations and appropriate conditions for data collection. In addition to setting up solar panels, cabinets and configuring radar detection devices used for data collection, Clarke worked with LTRC to troubleshoot issues with cellular modems for remote communication to the units.
	Juban Road (LA 1026) Widening (I-12 to US 190) (H.004634.5), Livingston Parish, LA: Clarke worked as an engineering co-op for LADOTD (Section 77) for the duration of his involvement with this project. He designed and analyzed a series of roundabout, signal, and stop controlled alternatives to accommodate the development of Juban Crossing north of the interstate. He used SIDRA to evaluate a corridor with five intersections with different alternatives to accommodate different amounts of growth for different phases of construction with different lane geometry reviewed equipment from every major manufacturer in the field.
	Calcasieu Point LNG Development, Calcasieu Parish, LA: Clarke provided **traffic signal design** support for ITS for this project. He created Synchro models and optimized intersections for coordinating timings to be used in adaptive traffic signal corridors along Nelson Road, LA Hwy. 14 and Ryan St. He supported the creation of TSIs using MicroStation for intersection improvement permit submittals. Clarke helped verify signage, investigated the signal head compliance with MUTCD, layout Bluetooth detection locations, clearance time calculations, as well as quantity calculations.
	LA 37 Intersection Improvements at LA 3034 (H.009648.6), East Baton Rouge Parish, LA: Clarke worked an engineering co-op for LADOTD (Section 77) for the duration of his involvement with this project. He determined signal timings using Synchro to accommodate the new lane geometry of this intersection. He also determined the appropriate signal equipment needed to account for additional lanes and different traffic movements. He created **Traffic Signal Inventory** and **Traffic Signal Plans** with quantities for signal components.

16. Staff Experience:

Firm employed by: **Neel-Schaffer, Inc.**			
Charles Adams, PE, PTOE Senior Project Engineer		**Years of relevant experience with this employer**	17
		Years of relevant experience with other employer(s)	13.5

Degree(s) / Years / Specialization			BS/1992/Civil Engineering
Active registration number / state / expiration date			27440/LA/09-30-2025; PTOE No. 878
Year registered	1997	**Discipline**	Civil
Contract role(s) / brief description of responsibilities			Signal Design/TMP

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).
04/23 – Present	**Jimmie Davis Design Build:** This project will construct a new 4-lane bridge over the Red River, convert LA 511 from a five-lane roadway to a 4-lane median divided roadway with turn lanes, and construct full-access interchange connections with LA 511 at both Arthur Ray Teague Parkway and Clyde Fant Memorial Parkway and provide associated roadway drainage systems. Project Engineer. Includes **TMP, traffic signal design and pavement widening.**
08/20 – Present	**I-10 & I-12 College Dr. Flyover Ramp, Baton Rouge, LA:** NSI is performing IMR, TMP, preliminary design, final design, review of TTC plans, and signal design. Charles is reviewing all TTC plans and developing preliminary signal plans.
07/16 – Present	**I-49 at Verot School Rd, Lafayette, LA:** NSI is preparing design plans and reviewing the TTC plans and the TMP. Mr. Adams is reviewing the TTC plans and developing the TMP for the project. Includes **TMP, traffic signal design and pavement widening.**
01/23 – Present	**Wemple Road & Innovation Drive Study, Bossier, LA:** NSI performing a traffic evaluation to determine whether a new N/S road would be justified between Wemple Road and Innovation Drive. Mr. Adams is performing the study and analyzing the impact on the surrounding intersections. Project Manager.
10/22 – Present	**East-West Connector (Winfield Road Congestion Relief):** NSI Performing a Traffic Study and Line and Grade for a new east-west corridor through Bossier Parish. Charles is overseeing the Traffic Study portion of the project and all intersection analyses for the four major intersections. Project Engineer.
02/18 – Present	**Kansas Lane-Garrett Road Connector, Monroe, LA:** NSI performing TMP for project as well as developing temporary signal design plans, developing permanent signal design plans, and developing fiber plans to relocate impacted fiber. Charles is preparing the **TMP and all signal design plans**. Project Manager
12/17 – Present	**South City Parkway Extension, Lafayette, LA:** This project will construct a new 1.7 – mile, 4 lane median divided corridor between US 167 (Johnston Street) with Kaliste Saloom Road. The roadway and drainage design are being completed in conformance with LADOTD guidelines. Includes 5 multilane roundabouts. Charles is providing the Traffic Control Plans.
08/12 – 03/19	**LA 1026 (Juban Rd) Widening, Livingston Parish, LA:** Highway widening project with roundabouts. **Prepared TMP**
08/08 – 08/12	**LA 33 Roundabout Study, Ruston, LA:** NSI provided a completed Traffic Study related to the proposed roundabouts at LA 33 and I-20 WB off-ramp and I-20 at the I-20 EB off-ramp in Ruston, LA. Sr. Project Manager

16. Staff Experience:	
02/22 – Present	**W. Broussard Roundabout at Duhon Rd. (LA 724):** This project will construct a roundabout and required drainage improvements. Includes roundabout. Completed the horizontal and vertical alignments (line and grade).
11/21 – 12/21	**Swan Lake Road Speed Study, Bossier City, LA:** NSI performed speed studies along Swan Lake Road from US 80 to Modica Lott Road. Mr. Adams oversaw the analyses and prepared the report of findings. Project Manager.
10/21 – 05/22	**Hurricane Ida Emergency Lighting and Signage Project, New Orleans, LA:** NSI performed day inspections of all signs and day and night inspections of all streetlights within Zone 3. Charles coordinated and oversaw all operations of the project as well as participated in inspections along the interstate system.
08/21 – 12/21	**LA 840-6 at Oliver Road, Monroe, LA:** NSI performed a traffic study for the intersection to determine whether left turn lane phasing would be appropriate for the Oliver Road approaches. Charles oversaw the analyses for the project. Project Manager.
10/21 – 12/21	**Wemple Road at Old Brownlee Road Intersection Safety Study, Bossier City, LA:** NSI performed a Safety Study to evaluate the existing conditions of the intersection and to determine whether modifications would be beneficial. Mr. Adams performed all the analyses for the study and oversaw the data collection for the project. Project Manager.
04/21 – 08/21	**Signal Design for Airline Drive and Barclay Blvd, Bossier, LA:** NSI developed traffic **signal plans** for the new intersection of Airline Drive and Barclay Blvd. Charles was the designer and developed signal phasing and timings for the project. Project Manager.
02/21 – 05/21	**LA Tech Student Housing Study, Ruston, LA:** NSI performed a traffic study for a new student housing complex that would serve LA Tech University. Charles performed all intersection analyses for the project. Project Manager
09/20 – 06/21	**Venture Global LNG Traffic Study, Plaquemines, LA:** NSI performed numerous traffic assessments for a new LNG facility along LA 23 in south Plaquemines Parish. Mr. Adams performed intersection analyses, prepared TTC plans, and reviewed construction sequencing to reduce the impact on the traveling public.
09/20 – Present	**W Esplanade Ave at Carrollton Street, Metairie, LA:** NSI is preparing preliminary and final **signal design** plans for the intersection of W Esplanade Ave and Carrollton Street. Mr. Adams is preparing the signal plans. Project Manager.
08/20 – 10/20	**St Vincent Avenue at 84th Street, Shreveport, LA:** NSI prepared preliminary and final traffic signal plans for the intersection. Mr. Adams prepared preliminary and final **signal plans**. Project Manager.
11/19 – 07/20	**Golden Pass LNG Safety Study, Port Arthur, TX:** NSI performed traffic safety assessments along FM 87 for the entrances to the LNG facility as well as developing signing plans and lighting plans for each entrance. Project Manager.
03/19 – 07/19	**Remco Drive Extension, Haughton, LA:** NSI performed a traffic study to determine feasibility for extending Remco Drive from US 80 to Bodcau Station Road. Mr. Adams performed observations and analyses. Project Manager.
06/17 – 03/18	**Port Access Improvements, New Orleans, LA:** NSI performed extensive analyses and developed alternative access from I-10 to the Port of New Orleans. Charles performed observations and analyses.
01/17 – 07/17	**TCP for Transmission Line Installations, Terrebonne & Assumption Parishes, LA:** NSI prepared TTC plans for numerous installation sites throughout both parishes. Charles developed and prepared all TTC plans. Project Manager.
12/19 – Present	**US 80 Feasibility Study, Stage 0/Traffic & Safety Study, Haughton, LA:** Stage 0 Report in support of safety improvements along US 80 corridor, specifically in the vicinity of Bellevue Road and Mid-South Loop Road. All analysis performed in HCS for this study. The traffic study was performed in accordance with DOTD's TEPR. Project includes **signalized intersections** and **pavement widening**. Charles performed traffic engineering and public outreach.

16. Staff Experience:

Firm employed by: **Neel-Schaffer, Inc.**			
Seth Popay, EI Project Engineer		**Years of relevant experience with this employer**	4
		Years of relevant experience with other employer(s)	0

Degree(s) / Years / Specialization			BS/2019/Civil Engineering
Active registration number / state / expiration date			34729/LA/03-31-2025
Year registered	2021	**Discipline**	N/A
Contract role(s) / brief description of responsibilities			Signal 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).
12/20 – Present	**College Dr. Enhancement Project (MOVEBR) Baton Rouge, LA:** Engineer Intern. Performing a traffic study along College Drive between Perkins Road and Bawell Street/Bankers Avenue including the I-10 Ramps in an effort to improve capacity and safety. Assisted with data collection including travel time runs and collecting crash reports. Also assisted with performing a safety analysis using LADOTD's Cat Scan safety tool.
01/21 – 03/21	**District 05 Safety Investment Plan, Monroe, LA:** NSI evaluated crash history on the state and local highway network to identify potential roadway issues as well as potential infrastructure and operations safety countermeasures for nine parishes in DOTD District 05. Reviewed crash reports and data to be con-verted into one-page summaries of the segments and intersections involved in the study.
12/20 – Present	**Proposed Ouachita Middle School TIS, Statewide, LA:** NSI performed a Traffic Impact Study (TIS) for Ouachita Parish School Board. The proposed middle school was to be located on the corner of a proposed development. Helped with data collection of turning movement counts (TMC) and peak hour observations. HCS software was used to analyze turn lane movements and proposed driveways. Engineer Intern
12/20 – 02/21	**Ellis Estates TIS, Denham Springs, LA:** NSI performed a Traffic Impact Study (TIS) for NOCO, LLC. The new development is to be located on the south side of Buddy Ellis Road in Livingston Parish, LA. This was a Threshold 2 study based off Livingston Parish's Traffic Impact Policy, which aimed at analyzing the proposed access to the proposed site. Trip generations were constructed based off existing and future condition volumes. Turn lane and intersection analysis was conducted using HCS software. Determined roundabout capacity and Level of Service (LOS) of the intersection of Buddy Ellis Ln at Juban Road using Sidra Intersections. Engineer Intern
01/22 – Present	**N 5th St – N 6th St Traffic Study, Monroe, LA:** Engineer Intern. Performed a safety analysis of the two corridors as well as a safety analysis of the major intersections along both corridors using LADOTD's Cat Scan safety tool.
01/21 – Present	**I-10 ITS Scott to Lake Charles, Statewide, LA:** NSI performed various engineering design and ITS analysis for CCTV cameras along I-10 corridor. These tasks included detailed analysis, CAD drafting, and cost estimates of materials. Developed CAD plan sheets of CCTV camera pole locations and line work for various conduits/cables. Detail sheets were created for finalized 60% plans. Engineer Intern

16. Staff Experience:	
10/21 – Present	**FYA Signal Improvements, Lafayette, LA:** NSI performed intersection inventory of requested **signals** in the city of Lafayette. The new signal inventory was used to develop new TSIs (Traffic Signal Inventory) as well as recommend the requested modifications to the signals that need upgrading. Engineer Intern
03/21 – Present	**Synchronization and Communication Signal Rebuilds – Group 3, Baton Rouge, LA:** MOVEBR identified six **signals** for group 3 that needed improvements. NSI evaluated crash history at the project intersections to identify potential roadway issues as well as potential safety countermeasures. HCS software was used to analyze the roadway network and develop new signal timings. Developed and designed CAD sheets to upgrade the existing intersection equipment to current design standards. Engineer Intern (Synchro, Clearance Calcs, AutoTurn, MicroStation)
08/21 – Present	**Synchronization and Communication Signal Rebuilds Phase 2 – Group 4, Baton Rouge, LA:** MOVEBR identified six **signals** for group 3 that needed improvements. NSI evaluated crash history at the project intersections to identify potential roadway issues as well as potential safety countermeasures. HCS software was used to analyze the roadway network and develop new signal timings. Developed and designed CAD sheets to upgrade the existing intersection equipment to current design standards. Engineer Intern (Synchro, Clearance Calcs, AutoTurn, MicroStation)
03/21 – Present	**Signal Timing Analysis and Corridor Study for Hwy 6, Missouri City, TX:** NSI performed data collection along a corridor section of highway 6 in Missouri City, Texas. Synchro software was utilized to analyze the existing **signal** timings along the corridor section as well as develop new recommended timings for the signals along the corridor. Engineer Intern
08/21 – 02/22	**LA 16 Access McDonalds/ Urgent Care TIS, Watson, LA:** Engineer Intern. Assisted with data collection including peak hour observations and TMC counts. Performed turn lane analysis and intersection analysis. (HCS software)
02/22 – Present	**Patriots Point Mixed Use Development TIS, Watson, LA:** Engineer Intern. Performed trip generation as well as trip distribution. Assisted with turn lane analysis and intersection analysis. (HCS software)
12/21 – 01/22	**LA 1256 Corridor Study, Lake Charles, LA:** Engineer Intern. Collected and reviewed crash reports. Assisted with safety analysis for three intersections along LA 1256 corridor using LADOTD's Cat Scan safety tool.

16. Staff Experience:

Firm employed by: **APS Engineering and Testing**			
Sergio Aviles, PE, M.ASCE President		**Years of relevant experience with this employer**	12
		Years of relevant experience with other employer(s)	10

Degree(s) / Years / Specialization			B.S./2001/Civil Engineering/Geotechnical
Active registration number / state / expiration date			33571/LA/03-31-2026
Year registered	2007	**Discipline**	Civil
Contract role(s) / brief description of responsibilities			Project Manager/Design Guidance/Field Crew and Lab Management-**Meets MPR 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. Aviles has over 20 years of experience in geotechnical and civil engineering. After founding APS Engineering and Testing eleven years ago, he continued his work throughout Louisiana working with both government and private entities. Mr. Aviles has extensive experience in design and construction supervision of roadway projects in the state. He has frequently worked with LADOTD performing slope stability analysis, embankment settlement calculations, mechanically stabilized earthen wall design, sheet pile design and pile testing. Mr. Aviles is also proficient in the use of AutoCAD Civil 3D which he utilizes in the design of projects.	
09/21 – 05/24	**Port Hudson-Pride Road (LA-964 – LA-19)** - Scope included geotechnical investigation to enable an evaluation of an acceptable foundation for the proposed pavement rehabilitation and new bridge. A total of 26 borings were drilled and tested for Geotechnical recommendations. Mr. Aviles was the manager to Geotechnical Investigation.
11/19 – 12/23	**Project No. H.010155: US 90 Railroad Overpass SE of LA 85** - APS was selected with the winning team for the Geotechnical Investigation and Design for the proposed new overpass. A total of six (6) deep borings were drilled and tested for Geotechnical recommendations. Mr. Aviles was the Project Manager for the Project Design team.
09/19 – 05/23	**Project No. H.004100: I-10 Widening LA 415 to Essen LN** - APS was tasked thru our DOTD Geotechnical retainer to drill and sample a total of 52 deep borings starting at the Washington Exit and ending at the LSU Lakes. APS drilled a total of eight (8) over the water borings and 44 land borings. Along with this drilling and sampling, APS tested for strength and engineering characteristics of the soils with approximately 1000 Triaxial Compressions, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits. Mr. Aviles was the Project Manager to the Geotechnical Investigations.
03/21 – 11/22	**Nicholson Drive Segment 2 (Bluebonnet Blvd-Ben Hur Rd.)** - Scope of this project included subsurface exploration of conditions at the site to enable an evaluation of an acceptable foundation for the proposed pavement and the new bridge. Mr. Aviles was the project manager to the Geotechnical Investigations.
10/12 – 07/13	**Lakeview Street Reconstruction, New Orleans** - Scope of this project included subsurface investigation and geotechnical recommendations for the street improvement program encompassing numerous blocks of roadway. APS drilled and sampled a total of 292 borings throughout the Lakeview neighborhood. Mr. Aviles was the Project Manager for all Geotechnical services.

16. Staff Experience:	
05/16 – 10/17	**Project No. H.002861: Earhart Expy/Causeway Interchange, New Orleans** - Scope included geotechnical investigation, design and reporting for the proposed bridge. APS drilled and sampled 49 deep borings. Geotechnical analysis included deep and shallow foundation recommendations, settlement analysis, roadway design, sheet-pile design and LRFD design factor for the existing structure. Mr. Aviles was an Engineer on the Project Design Team.
11/19 – 06/22	**Project No. H. H.001352 and H.002273: Comite River Diversion Bridge at LA-67, LA-19 and LA-19 Railroad Bridge LA-67 and LA- 19** - APS was selected with the winning team for the Design of the Diversion CMAR project. APS performed the Geotechnical Design for the project. Mr. Aviles served as the Project Manager for the Project Design team.
08/16 – 10/19	**Project No. H.012422: I-110 Interchange Modification at Terrace Ave** - APS was tasked thru our DOTD Geotechnical retainer to drill and sample a total of six (6) deep borings for the design of the Terrace Ave Exit. APS tested for strength and engineering characteristics of the soils with approximately 100 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits performed by APS Laboratory. Mr. aviles was the Project Manager to the Geotechnical Investigations.
03/19 – 05/19	**Project No. H.001344: US 190 over Bogue Falaya River** - APS was selected with the winning team for the Geotechnical Investigation and Design of the proposed new bridge. A total of 19 deep borings were drilled and tested for foundation recommendations. Mr. Aviles was the Project Manager for the Project Design Team.
05/18 – 03/19	**Project No. H.011670: I-10 Loyola Interchange Improvements** - The scope of this project included subsurface investigation to provide the client with necessary information for the planning and design of a new interchange to connect to the new airport terminal. Mr. Aviles was the Project Manager to the Geotechnical Investigations.
03/01 – 05/05	The following list consists of projects that Mr. Aviles did the design or assisted on the design while at LADOTD. These projects include pile design, slope stability, settlement analysis, and construction services (PDA, CAPWAP, and WEAP). **ONSYSTEM PROJECT LIST:** Mr. Aviles served as the staff geotechnical engineer while at the Pavement and Geotechnical Section for the following projects below. Projects include Embank Design, Pile Design, Drilled Shaft Design, MSE Wall Design, and Construction Supervision. Major project costs estimated over one million dollars: 015-04-0037 LA524-LA123 Route US165, 015-05-0035 LaSalle, 015-07-0044 (Route 165 Cadwell, 276-03-0016 Tangipahoa River Bridge, 3132 01-0029, 362-01-0009 Rat Bois, 452-01-0039 I-55 CrossOvers, 742-07- 0098 Susek Drive, Bayou Perrie and Sand Beach Bayou 103-01-0025, Broadway Ave.700-40-0127, Cameron Route La. 27 193-02-0042, Causeway Boulevard interchange Route I-10 450-15-0098,Clayton-Greenville 026-03-0025, Crescent City Connection 283-08-0143(46), Cross Bayou Bridge 090-01-0020, Flannery at Florida 742-17-0008. Innerloop 427

16. Staff Experience:

Firm employed by: **APS Engineering and Testing**					
Sairam (Sai) Eddanapudi, ME, PE Chief Engineer				**Years of relevant experience with this employer**	12
				Years of relevant experience with other employer(s)	9
Degree(s) / Years / Specialization			BE/Civil Engineering; ME/Civil Engineering		
Active registration number / state / expiration date			35129/LA/03-31-2026		
Year registered	2009	**Discipline**	Civil		
Contract role(s) / brief description of responsibilities			Design Engineer/Laboratory QA Manager - **Meets MPR 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. Sairam (Sai) Eddanapudi is the Senior Geotechnical Engineer for APS Engineering and Testing. He has over 20 years of experience in the geotechnical and civil engineering fields. Mr. Sai's professional experience consists of the design of roadways, bridges, levees and T-walls as well as the design of shallow and deep foundations. His field experience includes QC inspection of auger cast piles, drill shafts, soil and concrete. Mr. Sai has experience with the following software: Slope/w (2004 and 2007 versions) for slope stability analyses, Seep/w for seepage analysis, Driven 1.2 (for driven piles), MicroStation V8, CWALSHT and FS004 for slope stability analyses, Swell Potential (for expansive soils), Drilled Shaft Design software, Auger cast pile design Analysis, AASHTO pavement, Slope analysis, and Differential Settlement Analysis.					
09/21 – 05/24	**Port Hudson-Pride Road (LA-964 – LA-19)** - Scope included geotechnical investigation to enable an evaluation of an acceptable foundation for the proposed pavement rehabilitation and new bridge. A total of 26 borings were drilled and tested for Geotechnical recommendations. Mr. Sai was the Chief Engineer to Geotechnical Investigation.				
11/19 – 12/23	**Project No. H.010155: US 90 Railroad Overpass SE of LA 85** - APS was selected with the winning team for the Geotechnical Investigation and Design for the proposed new overpass. A total of six (6) deep borings were drilled and tested for Geotechnical recommendations. Mr. Sai was Chief Engineer for the Project Design team.				
09/19 – 05/23	**Project No. H.004100: I-10 Widening LA 415 to Essen LN** - APS was tasked thru our DOTD Geotechnical retainer to drill and sample a total of 52 deep borings starting at the Washington Exit and ending at the LSU Lakes. APS drilled a total of eight (8) over the water borings and 44 land borings. Along with this drilling and sampling, APS tested for strength and engineering characteristics of the soils with approximately 1000 Triaxial Compressions, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits. Mr. Sai was the project QA to the Geotechnical Investigations.				
03/21 – 11/22	**Nicholson Drive Segment 2 (Bluebonnet Blvd-Ben Hur Rd.)** - Scope of this project included subsurface exploration of conditions at the site to enable an evaluation of an acceptable foundation for the proposed pavement and the new bridge. Mr. Sai was the project QA to the Geotechnical Investigations.				

16. Staff Experience:	
10/12 – 07/13	**Lakeview Street Reconstruction, New Orleans** - Scope of this project included subsurface investigation and geotechnical recommendations for the street improvement program encompassing numerous blocks of roadway. APS drilled and sampled a total of 292 borings throughout the Lakeview neighborhood. Mr. Sai was an Engineer to the Geotechnical Investigation.
05/16 – 10/17	**Project No. H.002861: Earhart Expy/Causeway Interchange, New Orleans** - Scope included geotechnical investigation, design and reporting for the proposed bridge. APS drilled and sampled 49 deep borings. Geotechnical analysis included deep and shallow foundation recommendations, settlement analysis, roadway design, sheet-pile design and LRFD design factor for the existing structure. Mr. Sai was the Project Manger to the Geotechnical Investigation.
11/19 – 06/22	**Project No. H. H.001352 and H.002273: Comite River Diversion Bridge at LA-67, LA-19 and LA-19 Railroad Bridge LA-67 and LA- 19** - APS was selected with the winning team for the Design of the Diversion CMAR project. APS performed the Geotechnical Design for the project. Mr. Sai was the Senior Design Engineer for the Project Design team.
08/16 – 10/19	**Project No. H.012422: I-110 Interchange Modification at Terrace Ave** - APS was tasked thru our DOTD Geotechnical retainer to drill and sample a total of six (6) deep borings for the design of the Terrace Ave Exit. APS tested for strength and engineering characteristics of the soils with approximately 100 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits performed by APS Laboratory. Mr. Sai was the QA to the Geotechnical Investigation
03/19 – 05/19	**Project No. H.001344: US 190 over Bogue Falaya River** - APS was selected with the winning team for the Geotechnical Investigation and Design of the proposed new bridge. A total of 19 deep borings were drilled and tested for foundation recommendations. Mr. Aviles was the Project Manager for the Project Design Team.
03/19 – 05/19	**Project No. H.001344: US 190 over Bogue Falaya River** - APS was selected with the winning team for the Geotechnical Investigation and Design of the proposed new bridge. A total of 19 deep borings were drilled and tested for the foundation recommendation. Mr. Sai was Senior Design Engineer for the Project Design team.

16. Staff Experience:

Firm employed by: **APS Engineering and Testing**			
Surendra Pathak, MS, PE Geotechnical Engineer		**Years of relevant experience with this employer**	11
		Years of relevant experience with other employer(s)	10

Degree(s) / Years / Specialization			MSCE/2013/Civil Engineering BE/2007/Civil Engineering
Active registration number / state / expiration date			04348/LA/09-03-2025
Year registered	2019	**Discipline**	Civil
Contract role(s) / brief description of responsibilities			Design Engineer/QA-QC Field Testing/Laboratory QA

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
Mr. Surendra Pathak is a Staff Geotechnical Engineer for APS Engineering and Testing. He has over 15 years in the geotechnical and civil engineering fields. Mr. Pathak received a Master of Science in Civil Engineering (MSCE) from Mississippi State University in 2013, a Master of Science in Civil Engineering from Norwegian University of Science and Technology in 2007, and a B.E. in Civil Engineering from Madan Mohan Malaviya University of Technology (India) in 1998. Mr. Pathak's professional experience consists of the design of roadways, bridges, levees and T-walls as well as the design of shallow and deep foundations. His field experience includes QC inspection of auger cast piles, drill shafts, soil and concrete.	
09/21 – 05/24	**Port Hudson-Pride Road (LA-964 – LA-19)** - Scope included geotechnical investigation to enable an evaluation of an acceptable foundation for the proposed pavement rehabilitation and new bridge. A total of 26 borings were drilled and tested for Geotechnical recommendations. Mr. Pathak was an Engineer to the Geotechnical Investigation.
11/19 – 12/23	**Project No. H.010155: US 90 Railroad Overpass SE of LA 85** - APS was selected with the winning team for the Geotechnical Investigation and Design for the proposed new overpass. A total of six (6) deep borings were drilled and tested for Geotechnical recommendations. Mr. Pathak was a Geotechnical Engineer for the Project Design team.
09/19 – 05/23	**Project No. H.004100: I-10 Widening LA 415 to Essen LN** - APS was tasked thru our DOTD Geotechnical retainer to drill and sample a total of 52 deep borings starting at the Washington Exit and ending at the LSU Lakes. APS drilled a total of eight (8) over the water borings and 44 land borings. Along with this drilling and sampling, APS tested for strength and engineering characteristics of the soils with approximately 1000 Triaxial Compressions, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits. Mr. Pathak was an Engineer to the Geotechnical Investigations.
03/21 – 11/22	**Nicholson Drive Segment 2 (Bluebonnet Blvd-Ben Hur Rd.)** - Scope of this project included subsurface exploration of conditions at the site to enable an evaluation of an acceptable foundation for the proposed pavement and the new bridge. Mr. Pathak was an Engineer to the Geotechnical Investigation.
05/16 – 10/17	**Project No. H.002861: Earhart Expy/Causeway Interchange, New Orleans** - Scope included geotechnical investigation, design and reporting for the proposed bridge. APS drilled and sampled 49 deep borings. Geotechnical analysis included deep and shallow foundation recommendations, settlement analysis, roadway design, sheet-pile design and LRFD design factor for the existing structure Mr. Pathak was an Engineer on the Project Design Team.

16. Staff Experience:	
11/19 – 06/22	**Project No. H. H.001352 and H.002273 - Comite River Diversion Bridge at LA-67, LA-19 and LA-19 Railroad Bridge LA-67 and LA- 19** - APS was selected with the winning team for the Design of the Diversion CMAR project. APS performed the Geotechnical Design for the project. Mr. Pathak was a Design Engineer for the Project Desing team.
08/16 – 10/19	**Project No. H.012422: I-110 Interchange Modification at Terrace Ave** - APS was tasked thru our DOTD Geotechnical retainer to drill and sample a total of six (6) deep borings for the design of the Terrace Ave Exit. APS tested for strength and engineering characteristics of the soils with approximately 100 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits performed by APS Laboratory. Mr. Pathak was an engineer to the Geotechnical Investigations
03/19 – 05/19	**Project No. H.001344: US 190 over Bogue Falaya River** - APS was selected with the winning team for the Geotechnical Investigation and Design of the proposed new bridge. A total of 19 deep borings were drilled and tested for the foundation recommendation. Mr. Pathak was a Design Engineer for the Project Design team.
05/18 – 03/19	**Project No. H.011670: I-10 Loyola Interchange Improvements** - The scope of this project included subsurface investigation to provide the client with necessary information for the planning and design of a new interchange to connect to the new airport terminal. Mr. Pathak was an engineer to the Geotechnical Investigations.

SECTION 17

H.011152

I-12: US 190 to LA 59

St. Tammany Parish

Bridge EOR: Megan M. Miller, P.E.

Roadway EORs: Dennis M. Hymel, Jr, P.E.; Paul I. Olivier, P.E.

17. Firm Experience:

Firm name	Crescent Engineering & Mapping, LLC	Past Performance Evaluation Discipline(s)*	Road, Survey
LA 3127 Widening (LA 20 to LA 3213)		Firm responsibility (prime or sub?)	Prime
Project number	50-J47-21-01	Owner's name	St. James Parish Government
Project location	Vacherie, LA	Owner's Project Manager	Ryan Larousse
Owner's address, phone, email	5800 LA Hwy 44, Convent, LA 70723 225-206-1379 ryan.larousse@stjamesparishla.gov		
Services commenced by this firm (mm/yy)	04/22	Total consultant contract cost ($1,000's)	$1,525
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$1,180

The LA 3127 Widening project involves **widening 3.5 miles of existing 2-lane roadway to a 4-lane divided** section with a 64' wide, depressed median, directional U-turns, Restricted Crossing U-turns (R-CUT's) and multi-lane roundabouts at LA 3213 and LA 20. The project includes traffic studies, feasibility, planning/ environmental, topographic surveys, roadway design, geotechnical, contract management, and construction support services. The traffic study was prepared in accordance with LADOTD TEPR guidelines and all project scoping including survey and roadway design is in accordance with LADOTD design guidelines and requirements for plan production due to current state funding and anticipated federal funding.

Crescent Engineering & Mapping, LLC is the prime consultant for the project and is responsible for all topographic surveying, hydraulic analysis and design, **Level 3 TMP, roadway/J-Turn/roundabout geometrics**, property surveys, R/W mapping, inroads modeling, utility coordination, permit drawings, agency coordination, construction support, geotechnical and environmental coordination, and plan production for Preliminary and Final plans. The project's design and drawings are being developed per LADOTD design guidelines and plan requirements using Microstation/Inroads. Crescent has completed all surveying and traffic studies associated with the intersection improvements, as well as the 30% preliminary plans. The 60% preliminary plans are due in early August 2024. The project is being reviewed by LADOTD and FP&C at all submittal stages.

Team Members Highlighted in this Proposal: Dennis M. Hymel Jr., P.E., Paul Olivier, P.E., Abbey Falcon, P.E., James Ledet, P.E., Luke Bourg, Matthew Ledet, P.L.S., Kelly Jones, Miles Loker, Dakotah Holley

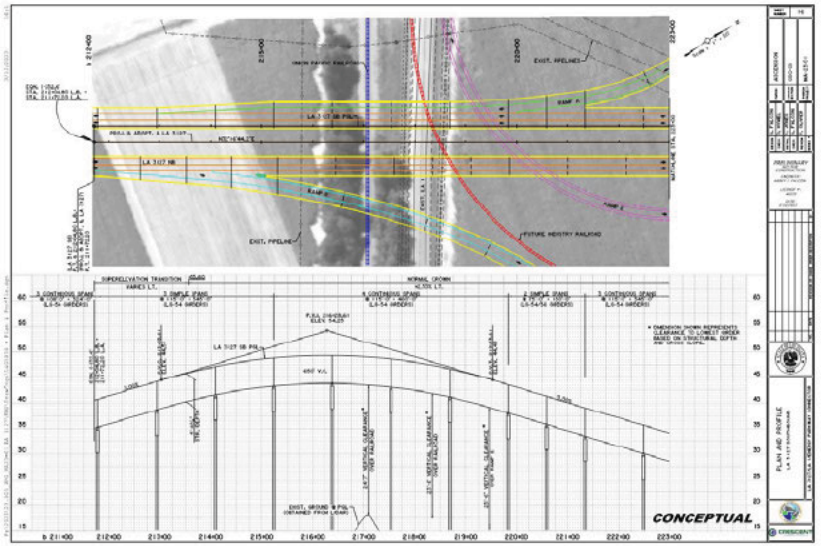
17. Firm Experience:

Firm name	**Crescent Engineering & Mapping, LLC**	**Past Performance Evaluation Discipline(s)***	Road, Bridge
LA 3127 Extension (LA 70 to LA 1)		**Firm responsibility (prime or sub?)**	Prime
Project number	H.015688/MA-23-01	**Owner's name**	Ascension Parish Government/LADOTD
Project location	Donaldsonville, LA	**Owner's Project Manager**	Daniel Helms, P.E./Jacob Fusilier, P.E., PMP
Owner's address, phone, email	615 E. Worthey Street, Gonzales, LA 70737 225-450-1013 daniel.helms@apgov.us		
Services commenced by this firm (mm/yy)	09/21	**Total consultant contract cost ($1,000's)**	$196
Services completed by this firm (mm/yy)	Ongoing	**Cost of consultant services provided by this firm ($1,000's)**	$196

The LA 3127 Extension project is located south of the city of Donaldsonville within Ascension Parish, LA. The project proposes to construct an **8.5 mile, 4-lane, divided rural roadway** through virgin terrain around the city of Donaldsonville, connecting LA 1 near McCall, LA to LA 70 and LA 3127 south of Donaldsonville. The roadway would serve as an evacuation route, remove heavy truck traffic from the historic city and serve as a segment of the future Westbank Expressway connecting I-10 in Port Allen to I-310 in Boutte, LA. The project includes a 180' long, LG-36 girder bridge over Bayou Lafourche adjacent to the existing Palo Alto bridge as well as four (4) other bridge sites consisting of reinforced slab span bridges. The four-lane roadway will initially transition back to the existing 2-lane roadways at LA 1 and LA 70 and a future grade separated interchange is planned at the northern termini where LA 3127 Ext. crosses over LA 1 and the Union Pacific Railroad utilizing a 2400' long bridges with directional ramps, relocation of LA 1 and possibly railroad spurs to enter the Mega-Plex industrial site.

The project's early environmental review involved topographic surveys, SUE, Line and Grade, a Stage 0 Feasibility Study, and a NEPA document (Environmental Assessment). Challenges for route selection and design involved numerous underground utilities and industrial pipelines which exist throughout the corridor. Crescent is currently providing project management and overall coordination for the third party contract during the Environmental Assessment (EA) including review of the EA document and the roadway/bridge line and grade studies for consistency with the preliminary design effort, the Energy Transition Parkway Connector roadway to the Mega-Plex site and the **grade separated interchange over LA 1 and the Union Pacific Railroad** at the northern termini.

Crescent has completed the line and grade and design study for the grade separated interchange at the northern termini of the LA 3127 Ext. and its connection to the Mega-Plex's Energy Transition Parkway Connector roadway. This interchange included **dual 2,400 foot long curved bridge** overpass structures at LA 1 and the Union Pacific Railroad (LG 54 and LG 36 girders) which was braided below a 2,200 foot long, curved, relocated LA 1 bridge (LG 36 girders) along with **directional bridge ramps** (steel plate and U-Tub girders) over a proposed Union Pacific Railroad Wye track, and nearly **2 miles of roadway widening and re-alignment** for the interchange. Crescent was responsible for development of bridge and road design criteria, horizontal and vertical alignments, TS&L analysis, surveys, bridge typical sections, general plan/elevation and roadway plan/profile sheets. Upon completion of the EA, Final Plans and R/W maps will begin for the first phase of the LA 3127 Ext from LA 70 to Bayou Lafourche and the R/W will be purchased by LADOTD on both phases to preserve the corridor.



Team Members Highlighted in this Proposal: Dennis M. Hymel Jr., P.E., Paul Olivier, P.E., Abbey Falcon, P.E., James Ledet, P.E., Luke Bourg, Matthew Ledet, P.L.S., Kelly Jones

17. Firm Experience:

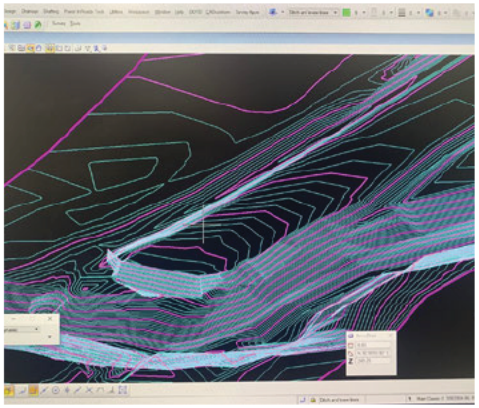
Firm name	**Crescent Engineering & Mapping, LLC**	**Past Performance Evaluation Discipline(s)***	Road, Bridge
Tangipahoa IIJA Bridge Replacements		**Firm responsibility (prime or sub?)**	Prime
Project number	H.015404, H.015407, H.015333	**Owner's name**	Tangipahoa Parish/LADOTD
Project location	Tangipahoa Parish/Dist. 62	**Owner's Project Manager**	Misty Evans, P.E./Ryan Rodney
Owner's address, phone, email	206 E. Mulberry St., Amite, LA 70422 985-244-6880 mevans@tangipahoa.org/Ryan.rodney@la.gov		
Services commenced by this firm (mm/yy)	04/22	**Total consultant contract cost ($1,000's)**	$677
Services completed by this firm (mm/yy)	Ongoing	**Cost of consultant services provided by this firm ($1,000's)**	$447

The Tangipahoa Parish IIJA Bridges is part of the District 62 IIJA (BIL) bridge replacement project and involves the replacement of 4 bridge structures on E. Lewiston, Easley and Old Gennessee roads in Tangipahoa Parish. Grouped into three (3) state projects, each project includes topographic surveys, hydraulics analysis, scour, bridge design, roadway design, geotechnical, environmental and contract management.

Crescent Engineering & Mapping, LLC is the prime consultant for the project and is responsible for the topographic surveys, hydraulic analyses and modeling, scour analyses, bridge design, roadway design, LRFR, utility surveys and roadway/bridge plan production. Hydraulic analysis was performed using GeoHEC-RAS and HEC-HMS as well as LADOTD's HYDRWIN for roadside drainage. Structures and RCB's are being rating using AASHTOWare BrR. The project's design and drawings are being developed per LADOTD design guidelines and plan requirements using Microstation/Inroads.

Crescent has completed the topographic surveys, hydraulic analysis, road design, bridge design, Preliminary Plans and received environmental clearance for all three projects. Crescent has submitted 90% Final Plans on two of the three state projects and 60% Final Plans on the third project are due by the end of August 2024.

Team Members Highlighted in this Proposal: Dennis M. Hymel Jr., P.E., Paul Olivier, P.E., Abbey Falcon, P.E., Megan Miller, P.E., James Ledet, P.E., Luke Bourg, Miles Loker, Matthew Ledet, P.L.S., Kelly Jones, Dakotah Holley



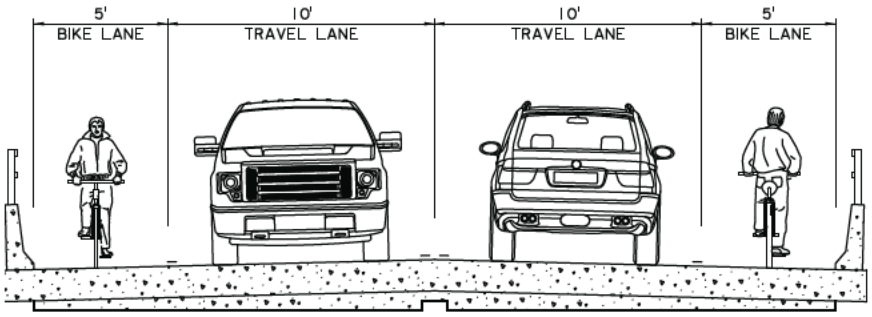
17. Firm Experience:

Firm name	**Crescent Engineering & Mapping, LLC**	**Past Performance Evaluation Discipline(s)***	Road, Bridge, Survey
Rousseau Rd. over Tchefuncte River		**Firm responsibility (prime or sub?)**	Prime
Project number	EN22000181	**Owner's name**	St. Tammany Parish Government
Project location	Covington, LA	**Owner's Project Manager**	Truman "Trip" Sharp, III
Owner's address, phone, email	21454 Koop Drive, Mandeville, LA 70471 985-898-2552 tdsharp@stpgov.org		
Services commenced by this firm (mm/yy)	05/22	**Total consultant contract cost ($1,000's)**	$363
Services completed by this firm (mm/yy)	Ongoing	**Cost of consultant services provided by this firm ($1,000's)**	$280

The Rousseau Rd. bridge project over the Tchefuncte River involves the replacement of a 4-span structurally deficient bridge near Covington, LA with a new 7-span, 30' clear concrete bridge, set on new alignment with 5' bike lanes on each side of the roadway. The project includes topographic surveys, property surveys & R/W maps, bridge design, roadway/bike lane design, geotechnical, environmental, contract management, R/W acquisition, and construction support. Project scoping and design is per LADOTD design and Complete Streets requirements including plan production.

Crescent Engineering & Mapping, LLC is the prime consultant for the project and is responsible for the topographic surveys, hydraulic analyses and modeling, roadway/bike lane design, bridge design, utility surveys, R/W mapping, and roadway/bridge plan production. Hydraulic analysis was performed using GeoHEC-RAS as well as LADOTD HYDRWIN programs for roadside drainage. LADOTD design criteria are being followed and design drawings are also being developed as traditional LADOTD plans using Bentley Microstation/Inroads and CADConform. Phased construction of the bridge is required since the structure serves as the only access to a residential/commercial area beyond the Tchefuncte River, requiring special design elements, detailing, and LRFR. Due to the condition of the existing structure, Crescent was also tasked with providing rehabilitation design/plans for the existing bridge which would allow it to remain in service during construction. Final Plans for the rehabilitation of the existing structure are complete and construction was complete in June 2024. Crescent has completed all tasks through the 90% Final Plans stage including Final R/W Maps. 100% Final Plans are due in September 2024.

Team Members Highlighted in this Proposal: Dennis M. Hymel Jr., P.E., Paul Olivier, P.E., Abbey Falcon, P.E., James Ledet, P.E., Megan Miller, P.E., Luke Bourg, Miles Loker, Matthew Ledet, P.L.S., Kelly Jones, Dakotah Holley



17. Firm Experience:

Firm name	**Crescent Engineering & Mapping, LLC**	**Past Performance Evaluation Discipline(s)***	Road, Bridge
McLin Road over Dutchman Creek		**Firm responsibility (prime or sub?)**	Prime
Project number	H.015025	**Owner's name**	Louisiana Department of Transportation & Development (LADOTD)
Project location	St. Helena Parish	**Owner's Project Manager**	Barbara Ostuno, P.E.
Owner's address, phone, email	1201 Capitol Access Rd., Baton Rouge, LA 70802 225-379-1047 barbara.ostuno@la.gov		
Services commenced by this firm (mm/yy)	04/23	**Total consultant contract cost ($1,000's)**	$160
Services completed by this firm (mm/yy)	05/24	**Cost of consultant services provided by this firm ($1,000's)**	$148

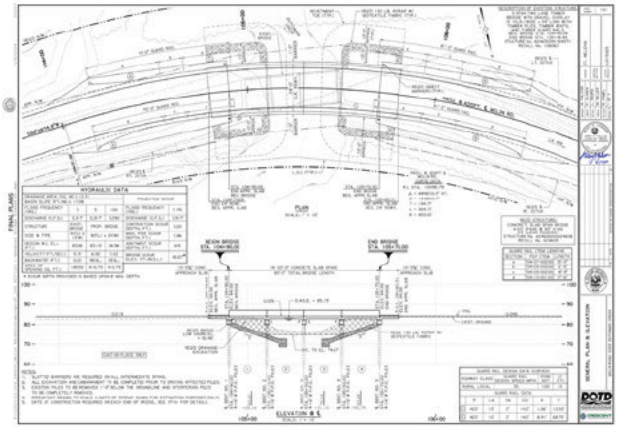
The McLin Road over Dutchman Creek project involves the replacement of an existing 15' x 50', 3-span timber bridge and adjacent roadway, drainage and guard rail improvements in St. Helena Parish near Pine Grove, LA. The project includes topographic surveys, roadway design, bridge design, and environmental support services. The selected replacement bridge structure was a 24' x 60', reinforced concrete slab span bridge with curved spans and approach slabs. The bridge was designed using OpenBridge Designer, STAAD, and LRFR performed using AASHTOWare BrR.

Crescent Engineering & Mapping, LLC was the Prime Consultant for the project and is responsible for the topographic surveys, hydraulic analysis and report of structure crossing, scour calculations, guardrail design, roadway design, temporary diversion layout, special bridge design elements including span, bent and approach slab design, and roadway and bridge plan production. Hydraulic analysis of the channel was performed using GeoHEC-RAS. All LADOTD design criteria and plan production requirements including Bentley Microstation/Inroads and CadConform were followed per LADOTD contract requirements. Horizontal and vertical alignments, low-profile runaround, and bridge guard rail were specifically designed to minimize right-of-way impacts and eliminate conflicts with adjacent wetlands in order to streamline the environmental and right-of-way acquisition process.

Crescent has completed all services and the **project was let in June 2024**.

Team Members Highlighted in this Proposal:
Dennis M. Hymel Jr., P.E., Paul Olivier, P.E., Abbey Falcon, P.E., James Ledet, P.E., Megan Miller, P.E., Luke Bourg, Matthew Ledet, P.L.S., Kelly Jones, Dakotah Holley

Crescent completed the project from survey through Preliminary Plans, Environmental, Final Plans, and Letting **in only 13 months** due to an accelerated schedule.

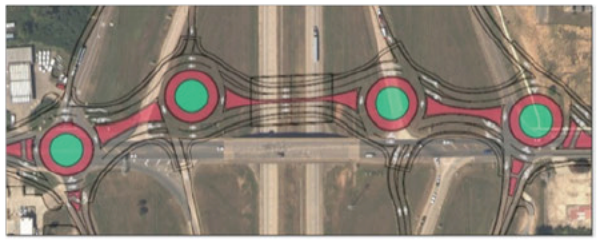


17. Firm Experience:

Firm name	Neel-Schaffer, Inc.	Past Performance Evaluation Discipline(s)*	Road, Traffic
I-20: LA 544 Overpass Replacement		Firm responsibility (prime or sub?)	Prime

Project number	H.010616	**Owner's name**	LADOTD		
Project location	Lincoln Parish, LA	**Owner's Project Manager**	Jacob Fusilier, PE		
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70804; (225) 379-1065; peggy.paine@la.gov				
Services commenced by this firm (mm/yy)	02/20	**Total consultant contract cost ($1,000's)**		$858	
Services completed by this firm (mm/yy)	Ongoing	**Cost of consultant services provided by this firm ($1,000's)**		$858	

Neel-Schaffer is currently working on the 95% final plans for this project. NSI is responsible for providing the **preliminary and final roadway plans**, temporary **signal design** QA/QC, traffic control design QA/QC, **TMP** QA/QC, **early alternative development**, Sequence of Construction, hydraulic analysis and design, frontage roadways and MOT which maintains access to properties during construction. This project will replace the LA 544 Overpass diamond interchange with a roundabout diamond interchange. The project includes a new bridge over I-20, a new bridge over I-20 and the ramps, **roadway widening of LA 544 (from 2 to 4 lanes)**, sidewalks and four multilane roundabouts. The 4 roundabouts will be constructed with locations as follows: on LA 544 at the I-20 entrance/exit ramp intersections and on LA 544 at its intersections with the frontage roads (Woodward Avenue & S. Service Road). The bridge design and retaining wall design will be completed by DOTD.

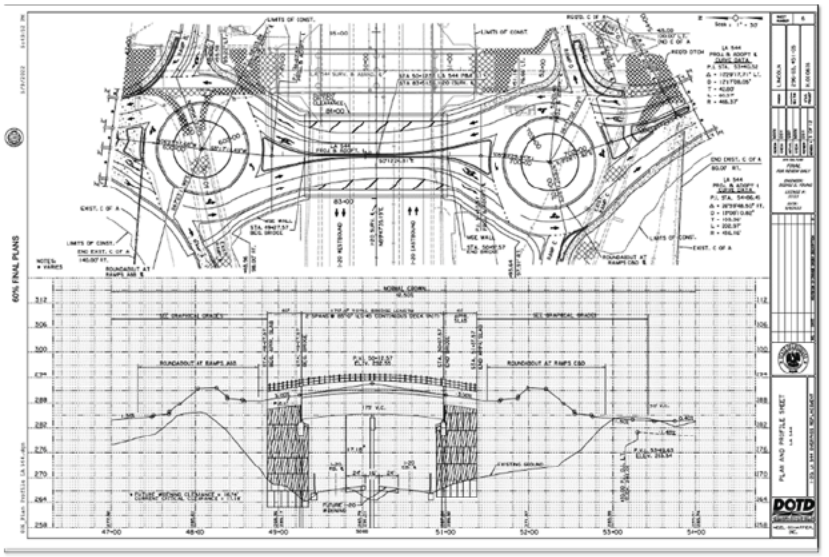


Challenges:

1. Large grade changes required along ramps without impacts to the gores.
2. Structural design by DOTD while roadway design is completed by consultants.

Solutions:

1. NSI provided for a variation in the ramp design speed (between the ramp proper and terminal) which provided ramp vertical alignments that met the design requirements but prevented changes in access that might require an IMR.
2. NSI completed the design in close coordination with DOTD early on and continually during the design process. NSI proposed alignments minimized the construction phasing for retainage walls, provided for interstate clearances which would allow for future interstate widening and provided desirable bridge phasing while minimizing impacts. NSI and DOTD are working as one team to successfully complete the project.



Key Personnel:
Dishili Young, Mai Nguyen, Chance Shuckrow, Scott Andrepont, JoshSchexnider, Nick Ferlito, Jonathan Duhe, Seth Popay, Frank Standige, and Jacob Thiaville

17. Firm Experience:

Firm name	Neel-Schaffer, Inc.	Past Performance Evaluation Discipline(s)*	Traffic
Traffic Signal Design and Traffic Engineering Retainer Contracts		Firm responsibility (prime or sub?)	Prime
Project number	44-25299/ 44-0651/ 44-2630/ 44-4064	**Owner's name**	LADOTD
Project location	Baton Rouge, LA	**Owner's Project Manager**	Ryan Hoyt, PE, PTOE
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70804; (225) 379-1370; ryan.hoyt@la.gov		
Services commenced by this firm (mm/yy)	01/09	**Total consultant contract cost ($1,000's)**	$12,250
Services completed by this firm (mm/yy)	Ongoing	**Cost of consultant services provided by this firm ($1,000's)**	$8,280

From 2009 to present, NSI was selected by the Louisiana Department of Transportation and Development, through its consultant selection process, for the following traffic signal design and traffic engineering retainer contracts.

- Contract No. 4400000651 – Traffic Signal Design and Traffic Engineering Retainer Contact Statewide (2009-2013), $2.25M
- Contract No. 4400002630 – Traffic Signal Design and Traffic Engineering Retainer Contract Statewide (2012-2015), $2.0M
- Contract No. 4400004064 – Traffic Signal Design and Traffic Engineering Retainer Contract Statewide (2014-2017), $3.0M
- Contract No. 4400025299 – IDIQ Contract for Traffic Engineering (2023 – 2028), $5.0M

Under these retainer contracts, traffic counting (data collection), warrant analysis, traffic analysis and modeling using HCS/Synchro/Vissim, intersection/corridor analysis, traffic signal design, and traffic signal inventories (TSI), concept layouts were performed on a task order basis. Specific projects completed under these task orders are as follows.

Contract 44-0651
LA 24 Signal Upgrade Plans (Houma, La)
US 165 Corridor Study using Vissim (Pineville, LA)
US 71/LA 28 Signal / Timing Design (Alexandria, LA)
US 190 Superstreet Corridor Study (Covington, LA)
LA 447 Corridor Study (Walker, LA)
LA 1208-3 Signal Timing Study (Alexandria, LA)

Contract 44-2630
LA 16 Corridor Study (Watson, LA)
District 62 Signal Inventory (255 intersections)
LA 1088 Corridor Study (Mandeville, LA)
LA 21 Corridor Study (Covington, LA)
LA 42 Corridor Study (Ascension Parish, LA)
US 190 (Collins Blvd.) Corridor Study (Covington, LA)

Contract 44-4064
LA 22 Corridor Study (Mandeville, LA)
US 71/LA 28 Signal Timing Study (Alexandria, LA)
LA 1208-3 Corridor Study (Alexandria, LA)
LA 22 Corridor Study (Ponchatoula, LA)
US 425/US 84 Corridor Study (Ferriday/Vidalia, LA)
US 171/US 190 Signal Timing Study (DeRidder, LA)

Contract 44-25299
District 02 FYA, Part 2 (Houma, LA)
LA 47 (Haynes Blvd.) Safety Study (New Orleans, LA)

Key Personnel:
Nick Ferlito, Ellen Howard, Jonathan Duhe, Seth Popay, Katie Odenthal, William Fulcher, Lonny Territo

17. Firm Experience:

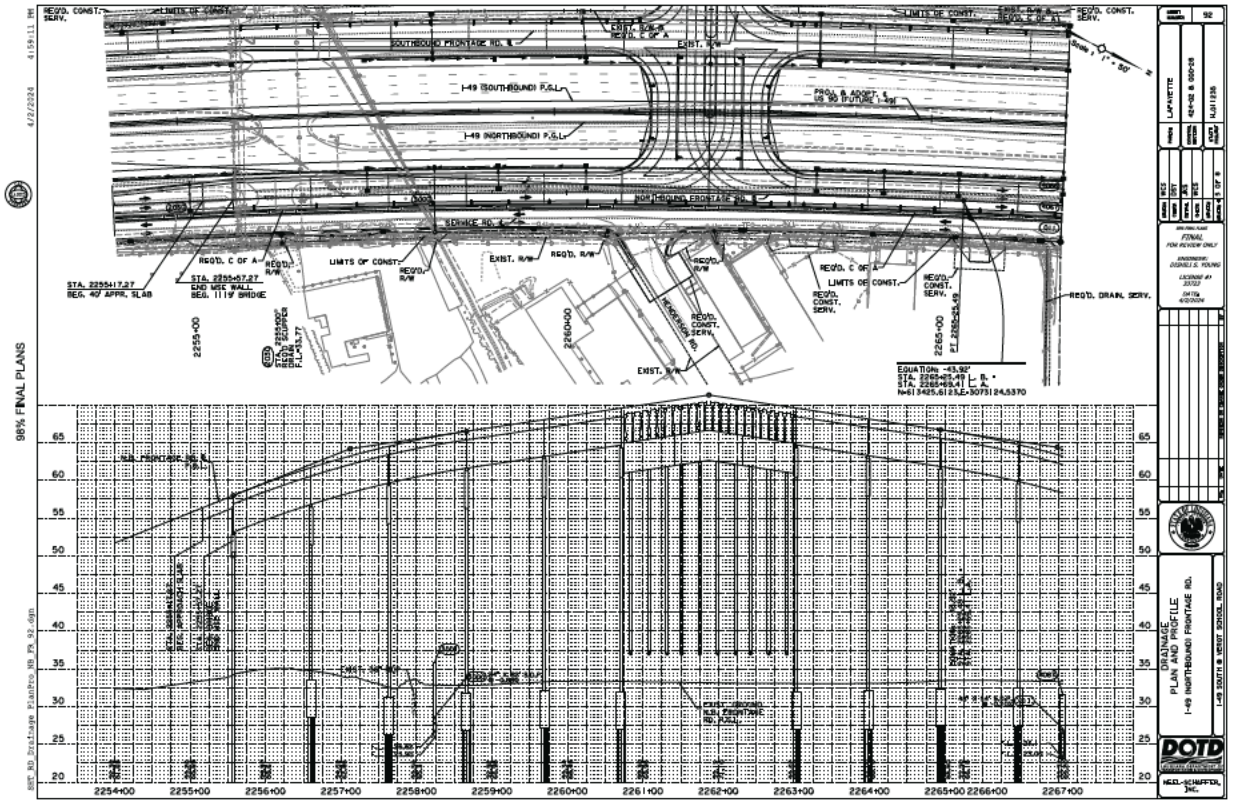
Firm name	Neel-Schaffer, Inc.	Past Performance Evaluation Discipline(s)*	Road, Traffic
I-49 South @ Verot School Road		Firm responsibility (prime or sub?)	Sub

Project number	H.011235.5	**Owner's name**	LADOTD
Project location	Lafayette Parish, LA	**Owner's Project Manager**	Corey Landry, PE
Owner's address, phone, email	1202 Capitol Access Road, Baton Rouge, LA 70802; (225) 379-1889; corey.landry@la.gov		
Services commenced by this firm (mm/yy)	07/16	**Total consultant contract cost ($1,000's)**	$ 724
Services completed by this firm (mm/yy)	Present	**Cost of consultant services provided by this firm ($1,000's)**	$ 724

This project will provide 2.4 miles of mainline freeway (by widening US 90). This project will construct an interchange at the intersection of I-49 South/US 90 and Verot School Road, in Lafayette, LA. The proposed project also includes one-way frontage roadways on both sides of the mainline urban freeway, a two-way service road, new bridge interchange, MSE walls, and a new alignment for Verot School Road which includes a multilane roundabout at the relocated intersection of South College and Verot School Road. This project will include close coordination with BNSF RR due to crossings and drainage impacts associated with the mainline corridor.

Neel-Schaffer, Inc. is providing **roadway design services** for the proposed interstate, frontage roadways, and associated drainage. NSI is also providing **traffic design services, temporary signal design**, signage design and **TMP 2** for the entire project. This project is currently in the 95% Final Design phase.

Key Personnel:
Nick Ferlito, Vijay Kunada, Dishili Young, Mai Nguyen, Jonathan Duhe, Seth Popay, Charles Adams, Jacob Thiaville, Ryan Lam, and Steve Perault

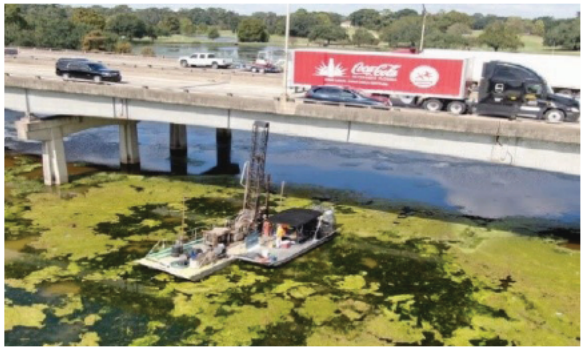


17. Firm Experience:

Firm name	APS Engineering and Testing, LLC	Past Performance Evaluation Discipline(s)*	Geotech
I-10 Widening LA 415 to Essen Lane		Firm responsibility (prime or sub?)	Sub
Project number	H.004100	**Owner's name**	DOTD
Project location	Baton Rouge, LA	**Owner's Project Manager**	Kristy Smith, PE
Owner's address, phone, email	1201 Capital Access Rd.,Baton Rouge, LA 70802-4438 / 225-379-1016 / kristy.smith2@la.gov		
Services commenced by this firm (mm/yy)	09/19	**Total consultant contract cost ($1,000's)**	N/A
Services completed by this firm (mm/yy)	05/23	**Cost of consultant services provided by this firm ($1,000's)**	$400K

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

Key Personnel
Sergio Aviles, P.E. - Project Manager
Sai Addanapudi, M.E., P.E. - Engineer
Surendra Raj Pathak, M.S., P.E. - Staff Engineer



SIMILARITIES TO US 90/I-310 INTERCHANGE

- ✓ Geotechnical Explorations (GE)
- ✓ Geotechnical Design (GD)
- ✓ Geotechnical Construction (GC)
- ✓ Constructability

17. Firm Experience:

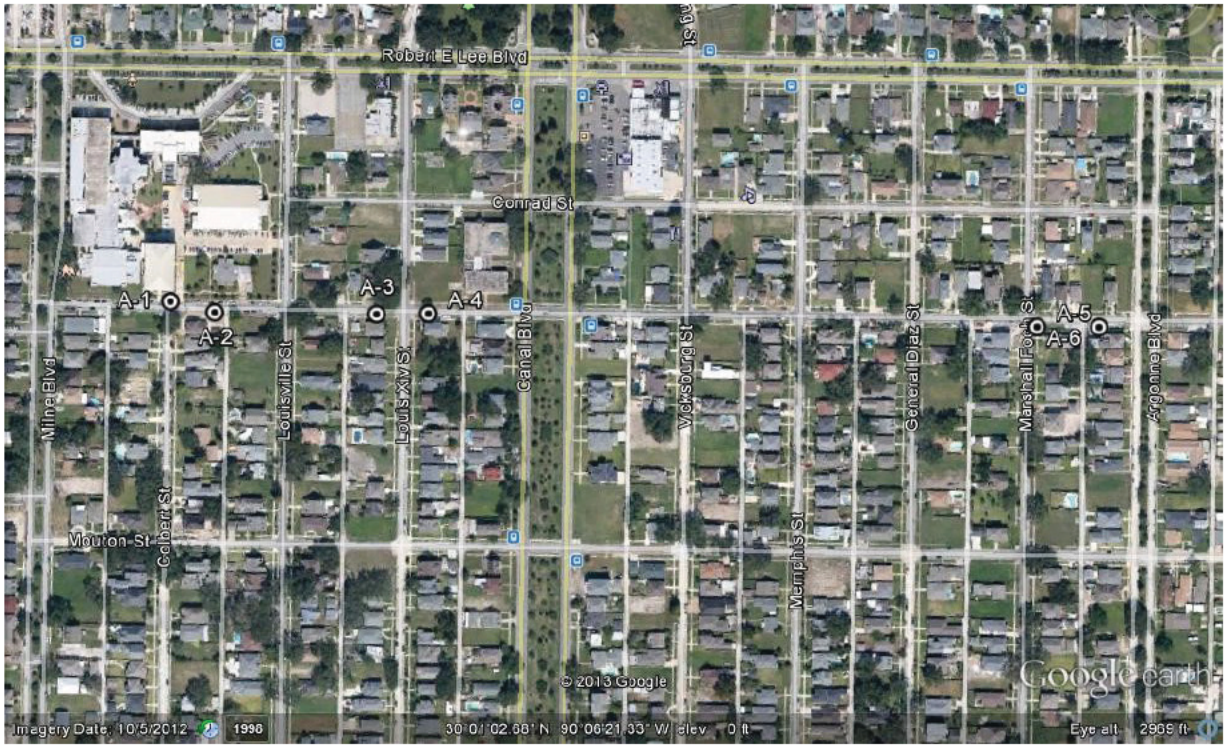
Firm name	APS Engineering and Testing, LLC	Past Performance Evaluation Discipline(s)*	Geotech
Lakeview Street Construction		Firm responsibility (prime or sub?)	Sub
Project number		**Owner's name**	New Orleans Department of Public Works
Project location	New Orleans, LA	**Owner's Project Manager**	James R. Kapesis
Owner's address, phone, email	13000 Perdido Street, New Orleans, LA 70112 / 504-658-8000 / jkapesis@la.gov		
Services commenced by this firm (mm/yy)	10/12	**Total consultant contract cost ($1,000's)**	N/A
Services completed by this firm (mm/yy)	09/13	**Cost of consultant services provided by this firm ($1,000's)**	$240K

Subsurface exploration under the existing concrete pavement to provide geotechnical recommendations for the pavement rehabilitation which encompassed numerous blocks of roadway. A P S drilled and samples 292 borings throughout the Lakeview neighborhood and tested recovered samples for engineering characteristics. These tests included visual description and classification, moisture content, Atterberg limits, and unconfined compressive strength. The reports provided to the client included soil analysis as well as site development recommendations, asphalt and concrete pavement recommendations, and comments regarding factors that would impact construction and performance of the project.

Key Personnel
Sergio Aviles, P.E. - Project Manager
Sai Addanapudi, M.E., P.E. - Engineer

SIMILARITIES TO US 90/I-310 INTERCHANGE

- ✓ Geotechnical Explorations (GE)
- ✓ Geotechnical Construction (GC)
- ✓ Constructability



17. Firm Experience:

Firm name	APS Engineering and Testing, LLC	Past Performance Evaluation Discipline(s)*	Geotech
I-10/Loyola Interchange Improvements		**Firm responsibility (prime or sub?)**	Sub

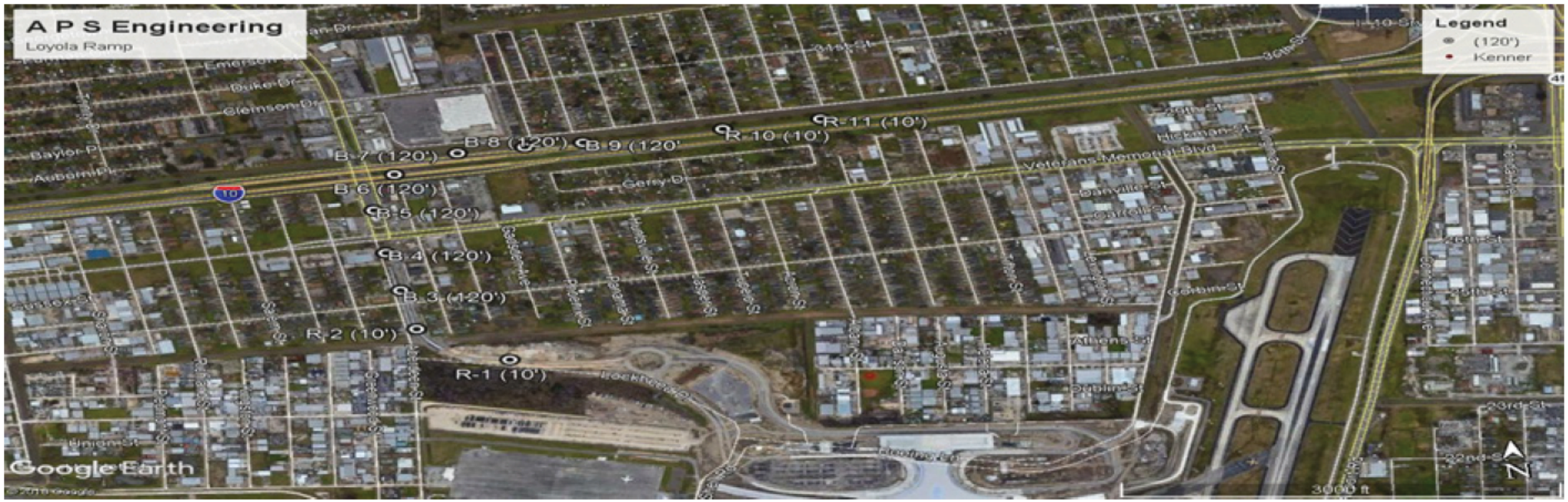
Project number	H.011670	**Owner's name**	DOTD
Project location	Jefferson Parish, LA	**Owner's Project Manager**	Kristy Smith, PE
Owner's address, phone, email	1201 Capital Access Rd.,Baton Rouge, LA 70802-4438 / 225-379-1016 / kristy.smith2@la.gov		
Services commenced by this firm (mm/yy)	05/18	**Total consultant contract cost ($1,000's)**	336K
Services completed by this firm (mm/yy)	03/19	**Cost of consultant services provided by this firm ($1,000's)**	$289K

Geotechnical investigation to provide the client with necessary information for planning and design of a new interchange to connect to the new MSY airport terminal. A total of 16 shallow and 18 deep borings were performed by A P S. Over 500 Atterbergs, 250 hydrometers, and 350 unconsolidated-undrained triaxial compressions were tested by A P S with consolidation tests. DOTD tasked this project to A P S with an accelerated program to meet their bidding deadline. A P S was successful to meet DOTD ahead of their deadline and under budget to help keep the project on track.

Key Personnel
Sergio Aviles, P.E. - Project Manager
Sai Addanapudi, M.E., P.E. - Engineer
Surendra Raj Pathak, M.S., P.E. - Staff Engineer

SIMILARITIES TO US 90/I-310 INTERCHANGE

✓ Geotechnical Explorations (GE)



SECTION 18

H.004113
LA 3241: LA 435 to LA 40/41
(I-12 to Bush)
St. Tammany Parish
Engineer of Record: Dennis M. Hymel, Jr., P.E.

18. Approach and Methodology:

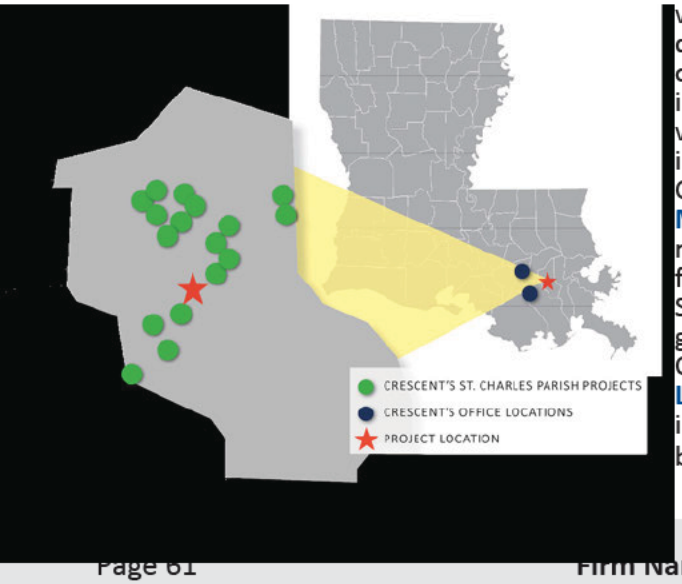
INTRODUCTION

The US 90/I-310 Interchange, located in Boutte, LA, St. Charles Parish, serves as a major artery for people and freight to and from the Bayou Region and Port Fourchon to the Ports along the Mississippi River and Interstate 10. Within this interchange exists a single left turn lane at a primary movement from US 90 Eastbound (EB) to I-310 Northbound (NB) which is the site of **daily congestion and queuing onto US 90 EB**. An Interchange Modification Report (IMR) was completed under H.010753 and ultimately rejected after subsequent environmental investigations, and afterwards, re-evaluated to address the issues at the US 90 EB and I-310 NB intersection. This project involves improving the intersection with I-310 NB by creating dual-left turn lanes and additional storage, widening US 90 EB from Tiger Dr. to I-310 NB, improving the intersection at Tiger Dr., improvements at LA 52, SB and NB, and widening Westbound (WB) US 90 between LA 52 and the I-310 NB to accommodate two WB lanes to I-310 NB.

Crescent Engineering & Mapping, LLC's (Crescent's) **staff have worked together for over a decade** providing roadway, bridge, surveying, and contract management services to DOTD on **similar urban roadway widening, intersection improvement** and interchange projects. This staff's consistency, intense communication, and forward-thinking approach to DOTD's projects has successfully delivered many DOTD projects, even on expedited project schedules. In addition, Crescent's **recent, local project experience in St. Charles Parish** further enhances our understanding of the project need, area and stakeholders involved.

YOUR PROJECT TEAM

The Crescent project team assembled for this project is strategic in many ways, but primarily, is rooted in past DOTD experience and having a long-standing successful history of working together, both internally and across team member firms. Crescent's team is led by **Dennis Hymel, Jr., P.E.** and **Paul I. Olivier, P.E.**, who together have successfully delivered many DOTD projects of all types and complexities including urban roadway widening, intersection improvements, and bridges. Crescent's bridge lead, **Megan M. Miller, P.E.** has designed a multitude of bridge structures for DOTD ranging from RC Slab spans to AASHTO and LG girder span bridges and our QC Manager, **James "Jimmy" Ledet, PE** has been involved in DOTD urban roadway and bridge design **since 1986**.



Our project teaming partners **Neel-Schaffer, Inc. and APS Engineering and Testing**, offer strong compliments to our internal staff for roadway design independent review, traffic signalization, TMP's and geotechnical, respectively. Neel-Schaffer's staff is extremely familiar with providing these services to DOTD and Neel-Schaffer's **Dishili Young, P.E., PTOE, previously served as the Program Manager for St. Charles Parish DPW**, and has a 15+ year working relationship with Crescent's Dennis Hymel, Jr., P.E. **APS Engineering and Testing** has completed numerous geotechnical projects for DOTD and has recently performed similar services for DOTD on the **I-10/Loyola Interchange**.

PROJECT UNDERSTANDING & CRITICAL ISSUES

I-310 NB Ramp

Crescent has gathered existing data, met with the DOTD Project Manager, reviewed the 2020 traffic study, reviewed DOTD's draft layout, and conducted several site visits in 2022, 2023 and recently again in July 2024 to understand project goals, constraints, site conditions, review utilities and identify potential design challenges. During this research, **several critical issues have been identified** which will require early coordination and resolution in the design stage of this project.

OVERALL PROJECT LAYOUT

The traffic study includes Alt. A & B at Tiger Dr. – Alt. A has exclusive left and right turn lanes EB with two through lanes, dual WB left turn lanes and a right turn lane NB on Tiger Dr. Alt. B converts the intersection to an R-CUT with 3 through lanes WB, a directional U-turn EB near I-310 SB and a single 500' WB left turn lane. At the I-310 NB ramp, Alternative 1 has extended, dual left turn lanes from US EB to I-310 NB as well as signalized, dual WB on-ramps at this location, maintaining the two-phase signal at US 90. Alternative 2 (cross over at I-310 SB ramp) was eliminated. DOTD's provided layout appears to show portions of both Alternatives A&B at Tiger Dr. and Alternative 1 at I-310 NB, with outside widening along US 90 EB and no improvements at LA 52. Since a Stage 0 was not performed on these alternatives (or combinations thereof), our team proposes a **geometric design workshop be held in the first two weeks after the NTP** to confirm project features with DOTD Road Design, Traffic and Geometrics sections. This workshop requires no additional project time but is critical to ensuring project goals are met. In addition, **our team proposes to submit a 30% Preliminary Plan submittal** for geometric confirmation after this workshop.

Geometric Workshop Goals

1. Confirm lane configurations, medians, storage lengths.
2. Discuss options which minimize R/W takings and utility impacts.
3. Eliminate delays and re-work through early coordination.

18. Approach and Methodology:

1 *Dual Left Turns/Ramp/Bridge*

The dual left turn lanes for US 90 EB to I-310 NB present several design challenges. First, off tracking of large vehicles must be mitigated using wider lane widths and/or gore separation to **accommodate simultaneous left turns** based off of Case C and Tables 3-26 & 3-27 from AASHTO Guidelines. Our team will also carefully navigate the cross-slope transition for the left turns (sloping left) and the WB ramp and bridge (sloping right). **Crescent's layout presented herein accommodates these elements** and has been run with AutoTurn to confirm off-tracking. At this time, we believe it is possible to incorporate the project's concept **without widening the I-310 ramp bridge**, which has two (2), 3-span continuous slab spans then changes to AASHTO type PPC girders. In the event the bridge requires widening, Crescent's staff has much experience with bridge design for DOTD. A design exception may be necessary for the existing ramp's non-uniform shoulder width due to the bridge width, depending upon crash history and the limits of the transition area considered. Due to the approximate 3 feet difference in grade due to superelevation of US 90, there is little ability to widen to the inside to accommodate the second dedicated left turn lane at I-310 NB, therefore, outside widening of US 90 EB or US 90 WB is required to implement this second turn lane.

2 *Dual Lane WB to NB Signaled Ramp*

The widening of US 90 WB between the I-310 NB ramp and LA 52 will be accomplished by **asymmetrical widening**, first converting the outer shoulder near LA 52 to the outer ramp lane, then becoming inside widening near the existing gore using the curved geometry of the I-310 NB ramp from US 90 WB as shown herein. In order to **minimize impacts to commercial properties** along US 90 WB, a **4-foot outside shoulder with curb**, per the DOTD Minimum Design Guidelines for Urban Principal Arterial may be considered near LA 52 where the Right of Way (R/W) is tighter near the shell and Amberjacks Bar.

3 *Tiger Drive Intersection*

As mentioned, DOTD's layout shows portions of both Alternatives A & B considered at this intersection by the traffic study. The WB left turn lane will be extended via inside widening in the median to provide more storage accessing Hahnville High School and Crescent's layout provides for three (3) through lanes EB as well as a dedicated left turn EB. Improvements to Tiger Dr. NB will be discussed at the geometric workshop and confirmed with DOTD.

Crescent's layout also allows for the implementation of an EB to WB directional U-turn near the I-310 SB signal, if desired by DOTD.

4 *Interstate Signage*

Located along the US 90 corridor are Interstate Signage for I-310 at various locations. Widening US 90 will affect these, possibly requiring relocation. In addition to Interstate signage, many various route and guide signs exists throughout the corridor, some damaged and/or not replaced since Hurricane Ida. If budget allows, our team recommends preparing an **Engineering Reasoning and Design Decision (ERDD)** document for this corridor during Final Plans, which will inventory and inspect the signs onsite, recommend additional signage and document the design and size of the replacement signs.

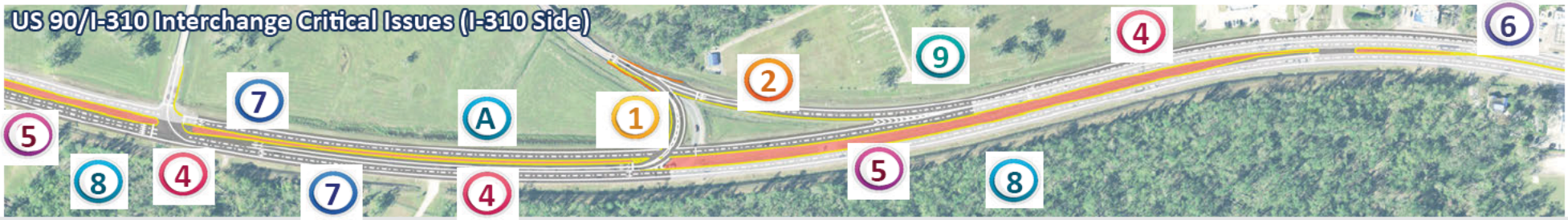
US 90 EB ditch, utilities and signage

5 *Roadside Drainage*

Along US 90 EB exists a large roadside ditch with sluice gates on 42" to 48" side drain pipes at elevations of -2 ft. to -6 ft. NAVD 88. Widening US 90 EB to the outside will have a **major impact on this ditch and require R/W takings and utility relocations.** In addition to being extremely costly, subsurface drainage here would impact the storage volume of St. Charles Parish's Paradis Pump Station, located 1.4 miles west of Tiger Dr., which pumps this ditch into Paradis Canal. The majority of the portion west of Tiger Dr. is already sub-surfaced, allowing for partial inside and outside widening in this area, if desired, and dependent upon project limits.

6 *Commercial Properties*

Commercial property exists along the entire US 90 corridor except in few instances and 28 parcels of commercial property would be affected by outside widening of US 90 EB from Tiger Dr. to I-310 NB, including two (2) – Pontchartrain Orthopedics and Tiger Tech Equipment Repair – which would possibly lose parking. Due to high cost and possible delays, **it is imperative to minimize impacts to commercial property**, especially those which affect parking.



Firm Name: **CRESCENT ENGINEERING & MAPPING, LLC**

CRESCENT ENGINEERING & MAPPING LLC

18. Approach and Methodology:

7 ***Utilities***

Crescent's working relationship with St. Charles Parish (SCP) and knowledge of the area brings forth unique understanding of the utilities in the area. Along US 90 EB, an underground **fiber optic duct bank** exists within the existing R/W as well as underground telephone, overhead telephone and cable, and overhead 3-phase electric distribution. In addition, SCP has an 8" PVC sewer **(depth 91" to 136")** along the back slope of the ditch near Tiger Dr. as well as an 8" PVC water main. Any widening of US 90 EB to the outside will likely require the **relocation of all these utilities**. The Parish's 18" Sewer Force Main is along the outside of US 90 WB from Tiger Dr. to the I-310 SB to US 90 WB ramp and should not be affected by the project. Also existing along US 90 WB is SCP's 12" A.C. water main, which is looped by a 12" PVC main on LA 631 and can be possibly taken out of service or replaced, if necessary.

8 ***Wetlands and Other Impacts***

Forested wetlands within the LA Coastal Zone exist adjacent to the R/W along the majority of US 90 EB east of Hahnville High School. Outside widening of US 90 EB will likely impact these wetlands, likely **requiring mitigation** and possibly expands the environmental clearance schedule. In addition to wetlands, impacts

9 to the Mt. Airy Baptist Church & Cemetery (along US 90 WB ramp) should be avoided by the projects' design. Lastly, designs which would shorten the stopping sight distance of I-310 SB at the US 90 signal should be avoided due to the vertical geometry of the ramp over the railroad.

Crescent's Widening Solution

Widening US 90 EB from Tiger Dr. to I-310 SB would be accomplished by primarily inside widening with an 8' outside shoulder, then widen US 90 WB to the outside through the curve (approx. 18' wide by 1800 ft.) and within existing DOTD R/W to accommodate the additional US 90 EB turn lane, while maintaining a raised median to mitigate the superelevation height difference with no impacts to I-310 SB deceleration nor stopping sight distance.

This solution is shown in the layouts herein and accomplishes the following:

- ✓ **Minimize or eliminate R/W takings**
- ✓ **Eliminate utility impacts along US 90 EB**
- ✓ **Eliminate impacts to forested wetlands**
- ✓ **Minimizes impacts to commercial properties**

A B

PRELIMINARY PLANS

Resolving a **path forward on the critical design issues** detailed herein and consideration of Crescent's solution to minimize impacts and R/W is the focal point of the geometric workshop and 30% Preliminary Plans submittal. These elements are designed to increase early coordination, prevent delays, reduce impacts to R/W, utilities and wetlands, expedite construction and may be cost-advantageous versus EB outside widening. Prior to doing so, the topographic survey and as-built plans will be reviewed as the **US 90 corridor was overlaid in 2023, likely after the survey was conducted**. At the geometric workshop, our team will present a conceptual layout in DGN and KMZ format for discussion. Our team has done this on other DOTD projects when a Stage 0 was not performed or when conceptual layouts lack the critical geometry and realistic presentation of impacts to allow the project team to give comments and make decisions in preparation for design. A traditional Kickoff meeting will be held with our team, DOTD PM and Task Managers. All meetings will be memorialized via meeting minutes to document decisions and action items. The project schedule will be developed, approved by the DOTD PM, and updated monthly along with progress report and invoice. Draft Design Report Forms, hydraulic and bridge design criteria will be submitted for review at the design kickoff meeting to **facilitate early approval** of these critical documents.

Once 30% PP are accepted, geotechnical boring plans will be developed, submitted and approved, followed by drilling and lab testing. As-built plans from the overlay and previous cores will be reviewed to **determine existing base properties** to develop pavement section options for the widening. Our 60% Preliminary Plans will further establish roadway geometrics, roadside hydraulics, and intersection layouts. The hydraulic design will be in accordance with the DOTD Hydraulics Manual and using data from surveys, LiDAR, Quad Maps and other sources to delineate basins and analyzed using a suite of DOTD's HYDRWIN programs and HEC-RAS, and include SCP pumping data. An initial Inroads model will be developed at 60% PP which will provide limits of construction to begin property surveys, if needed.

Crescent uses all LADOTD approved software including: *Microstation/Inroads, Open Roads Designer, ProjectWise, Interplot Organizer, CADConform, BlueBeam Revu.*

An initial utility conflict matrix will be prepared at 60% PP and updated at all submittals, allowing for early and often utility coordination. General construction sequencing phases and the draft Traffic Management Plan (TMP) developed in accordance with EDSM VI.1.1.8 will accompany the 60% PP stage and will be further developed thereafter. Our team will strive to eliminate peak period lane closures during construction phasing, keeping TMP at a Level 2. Draft Design Exceptions/Waivers will be provided upon approval of the 60% PP and updated as necessary. If an ERDD is included for permanent signing, onsite inspections will take place after Plan in Hand, or as soon as project limits are finite. Constructability/Biddability Review forms will accompany the 95% PP submittal along with updated utility conflict matrices and cost estimates.

18. Approach and Methodology:

Crescent's team will attend the Plan in Hand (PIH) Meeting onsite and will document minutes and decisions made. PIH comments will be addressed and environmental sketches will accompany the 100% Preliminary Plans submittal. The Design Report forms, Final Design waivers and exceptions will be sealed by Crescent's Engineer of Record. The TMP checklists will also be prepared and submitted with supporting documents as well as a complete breakdown of traffic signal requirements (temporary and permanent). If R/W is needed, property surveys (PS) will begin after 60% PP or as soon as the taking areas are known. This enables review of the PS prior to the start of Final Plans (FP) and sets Final R/W maps complete prior to the 95% FP, or earlier.

Crescent's TEAM ADVANTAGE

- ✓ **In-house Roadway & Bridge design, Property Surveys & R/W Mapping**
- ✓ **Extensive staff history with DOTD Road, Bridge and Traffic sections**
- ✓ **Extensive urban roadway widening experience**
- ✓ **Extreme familiarity with St. Charles Parish & Project Site**

FINAL PLANS

Following the environmental approval and NTP for Final Plans, Crescent will immediately begin the 60% FP with development of additional plan sheets required including graphical grades, embankment widening details, erosion control plans, median details, quantity and drainage summary sheets, the ERDD permanent signing and striping. Traffic signalization plans and temporary traffic signal design will be completed in accordance with DOTD's Traffic Signal Manual V3 (7-1-2020) and plans will use DOTD's Traffic Signal Inventory Construction Plan V3.2 form. **Our traffic engineers will work closely with roadway designers to utilize existing equipment, when possible,** and if not, we will provide signal equipment locations which minimizes the required new equipment.

If needed, the widened bridge structure will be modeled using a suite of software, as appropriate, (STAAD, OpenBridge, MathCAD, Spreadsheets) to develop pile loads for foundation design. Bridge elements will be fully detailed including railing, joint and bearing details. Bridge calculations and load ratings will be submitted with 60% Final Plans. The TMP will be updated with the 60% FP submittal and include FHWA's guidance on developing and implementing TMP's for **Work Zones and a Work Zone Impact Management Strategy included to minimize risk and reduce delays to the public**. Utility conflict matrices will be updated at both the 60% and 95% FP stages. Comments from the 60% FP will be addressed during development of the 95% FP. Comments from the Plan Quality Unit (PQU) and/or Chief Engineer's office will be addressed, and plans sealed prior to Chiefs signature and transmittal to General Files to prepare the proposal and set for letting. Crescent will work with DOTD staff to input pay items and quantities into **AASHTOWARE and generate final cost estimates** if requested to do so. Bound calculations books will accompany the final sealed plan submittals.

QUALITY CONTROL AND QUALITY ASSURANCE (QC/QA)

A project specific QC/QA plan has been included Section 21. Proper QC/QA is a critical component of any successful project and Crescent has designated a QC/QA manager for the project, **James "Jimmy" Ledet, PE**, with **45 years of experience** involving DOTD roadway and bridge projects. **Independent Technical Review (ITR)** of roadway design will be provided by Neel-Schaffer. Each submittal will be accompanied by DOTD QC/QA certification forms. Design and plan comments, along with their resolutions will be documented in Crescent's Design Comment Review forms.

LETTING

Crescent will respond to Falcon questions and assist DOTD during letting including review of bid prices and recommending award. Upon receiving the bid results and tabulations, Crescent will provide additional information to DOTD as needed regarding contract award, etc.

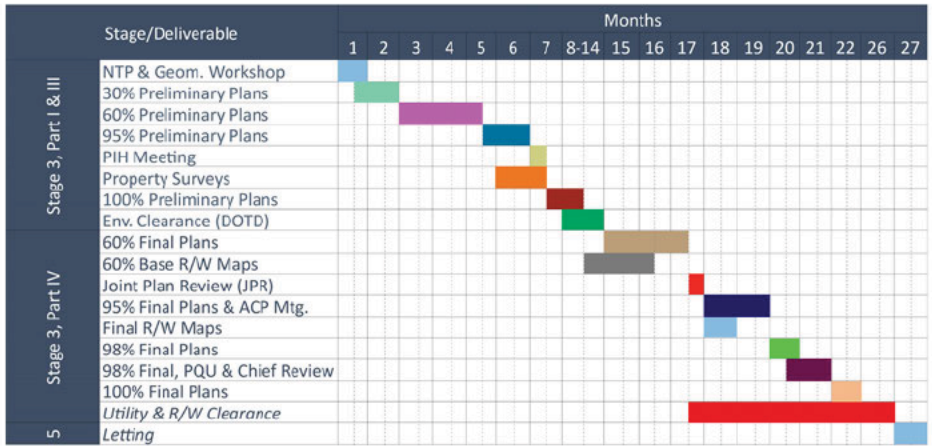
STAGE 5: CONSTRUCTION

Crescent's staff will be available to provide DOTD with Construction Support (if necessary) by assisting with RFI's, reviewing shop drawings, evaluating contractor submittals, attending meetings, and providing assistance during construction

Crescent's TECHNICAL SOLUTION ADVANTAGE

- ✓ **Minimize or eliminate R/W impacts**
- ✓ **Minimize utility conflicts**
- ✓ **Minimize or eliminate wetland impacts**
- ✓ **Minimize impacts to commercial properties**

PROPOSED PROJECT SCHEDULE



SECTION 19-23

H.001344
US 190: LA 437 to US 190 (Bus) (Ph. 1)
St. Tammany Parish
Bridge EOR: Megan M. Miller, P.E.
Roadway EOR: Paul I. Olivier, P.E.

19. Workload:

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Past Performance Evaluation Discipline(s) *	Contract Number and State Project Number	Project name	Remaining Unpaid Balance**
CRESCENT ENGINEERING & MAPPING LLC	Road	44-24591; H.014992	McHugh Road Over Brushy Bayou	$2,323
	Bridge	44-24591; H.014992	McHugh Road Over Brushy Bayou	$995
	Planning	44-27180; H.016012	Transportation Alternatives Program (TAP), Task Order No. 1 (Technical Assistance to LPA's)	$16,674
Neel-Schaffer, Inc.	Planning	SPN 736-99-1548	Travel Demand Model Support Services Statewide (PRIME)	$54,761
Neel-Schaffer, Inc.	ITS	4400010428 EWL 3, H.004774.5; H.007300	Kansas Lane: Garrett Road Connector and I-20 Improvements (SUB)	$805
Neel-Schaffer, Inc.	Planning	4400015733, H.972374.1	Local Public Agency Documented Planning Process, Statewide	$226,797
Neel-Schaffer, Inc.	Road	4400017293, H.010616	I-20: LA 544 Overpass Replacement	$26,300
Neel-Schaffer, Inc.	ITS	440005459, H.004780.5	Kansas Lane Connector, S.A. #6	$14,691
Neel-Schaffer, Inc.	ITS	4400016364, H.013256.6	I-10 ITS Scott to Lake Charles Technical Support Services During Construction	$4,484
Neel-Schaffer, Inc.	ITS	4400016364, H.011504.5	Alexandria ITS Phase 2	$5,474
Neel-Schaffer, Inc.	ITS	4400016364, H.015136.1	Northshore Regional ITS Architecture Update	$0
Neel-Schaffer, Inc.	ITS	4400016364, H.014511.1	Houma Regional ITS Architecture Update	$51,289
Neel-Schaffer, Inc.	ITS	4400016364, H.015136.1	Shreveport-Bossier Regional ITS Architecture Update	$52,644
Neel-Schaffer, Inc.	ITS	4400016364, H.015136.1	Lake Charles Regional ITS Architecture Update	$51,342
Neel-Schaffer, Inc.	Traffic	4400017438, H.013284	MRB South GBR: LA 1 to LA 30 Connector, Ascension, EBR, Iberville & WBR	$187,076
Neel-Schaffer, Inc.	Traffic	4400018271, H.014746.1	LA 383 Corridor Study	$13,195
Neel-Schaffer, Inc.	Traffic	4400018271, H.014746.5, SA #2	LA 383 Corridor Study	$59,915
Neel-Schaffer, Inc.	Planning	4400018271, H.014746.1	LA 383 Corridor Study	$94,106
Neel-Schaffer, Inc.	Planning	440023689, H.015148.5	District 03 Safety Investment Plan	$33,447

19. Workload:

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Past Performance Evaluation Discipline(s) *	Contract Number and State Project Number	Project name	Remaining Unpaid Balance**
Neel-Schaffer, Inc.	Planning	4400021094	Update Statewide Transportation Plan and Travel Demand Model	$115,898
Neel-Schaffer, Inc.	Planning	4400023689, H.015227.5	US 61 at Victoria Dr. Ped Crossing	$42,411
Neel-Schaffer, Inc.	Traffic	4400026458, H.014710.5	Cedar Street Ext. to LA 22 and Roundabout	$76,616
Neel-Schaffer, Inc.	Road	4400024927, H.015226.5	US 90: Roundabout at LA 101	$45,836
Neel-Schaffer, Inc.	Traffic	4400025299, H.013421.5	Dist. 02H Flashing Yellow Arrow Part 2	$408,730
Neel-Schaffer, Inc.	Traffic	4400025299, H.015645.5	LA 47 Hayne Blvd Safety Improvements	$163,973
Neel-Schaffer, Inc.	Road	4400024927, H.014366.5	LA 621 Realignment at LA 73	$306,608
Neel-Schaffer, Inc.	Traffic	4400024927, H.014366.5	LA 621 Realignment at LA 73	$166,184
+ APS Engineering and Testing	Traffic	44-17293; H.010616	I-20: LA 544 Overpass Replacement	$74,429
	Traffic	44-05484; H.005168	New Orleans Rail Gateway Jefferson Highway EA	$12,130
	Traffic	44-05484; H.005168	New Orleans Rail Gateway Avondale EA	$123,590
	CE&I	44-20018; H.007160	EBR Computerized Traffic Signal, Ph. VB	$37,003
	Traffic	44-18899; H.004791	Belle Chasse Bridge & Tunnel Replacement PPP	$14,740
	Traffic	44-21519; H.012030	KCS RR Overpasses HBI	$2,001
	ITS	44-16364; H.011504	Alexandria ITS Phase 2	$14,305
	ITS	44-16364; H.015136	Northshore Regional ITS Architecture Update	$11,421
	Geotech	44-91001; H.010616	Retainer Contract for Geotechnical Services	$121,200
	Geotech	44-17262; H.012545	Wiggins Bayou Bridge	$1,185
	Geotech	44-91011; H.015025.5	McLin Road Over Darling Creek	$13,365
	Geotech	44-91011; H.014992.5	McHugh Road Over Brushy Bayou	$37,500

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

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

20. Certifications/Licenses:

CRESCENT
ENGINEERING & MAPPING LLC

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Dennis Hymel

has participated in

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

Louisiana Department of Transportation & Development

Date: January 12-14, 2021 *Hours of Instruction:* 18

Location: Virtual Delivery, LA

Instructor

Instructor

Allison H. Landry
Local Coordinator

Thomas Harman
Thomas Harman, Director
National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

national highway institute

CERTIFICATE OF TRAINING

Dennis Hymel, Jr.

has participated in

NHI Course No. FHWA-NHI-135086

Stream Stability Factors and Concepts (Prerequisite) WEB-BASED

Hosted by: **National Highway Institute**

Location: *Web-Based Course* ***Hours of Instruction:*** *1 hours*

Date: *12/29/2022*

Thomas Harman
Thomas Harman, Director
National Highway Institute

ZEN

OPENROADS FUNDAMENTALS

CERTIFICATION OF COMPLETION

THIS OFFICIALLY CERTIFIES THAT

DENNIS HYMEL, Jr.

HAS SUCCESSFULLY COMPLETED THE OPENROADS FUNDAMENTALS CLASS STARTING ON THE 12TH OF JULY 2021 AND ENDING ON THE 16TH OF JULY 2021 AND HAS EARNED 24 PROFESSIONAL DEVELOPMENT HOURS

by Karl Dauber
(Zen Engineering Instructor)

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NHI NATIONAL HIGHWAY INSTITUTE

Dennis Hymel

has participated in

NHI Course No. FHWA-NHI-134006A

Introduction to Utility Coordination for Highway Projects

hosted by

National Highway Institute

Location: *Web-Based Course* ***Hours of Instruction:*** *4 hours*

Date: *4/1/2019*

Valerie Briggs
Valerie Briggs, Director
National Highway Institute

20. Certifications/Licenses:

CRESCENT
ENGINEERING & MAPPING LLC

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

DENNIS HYMEL, JR.

has participated in

FHWA-NHI-134006 Utility Coordination for Highway Projects

hosted by

LA DOTD/LTRC

Date: April 2-3, 2019 *Hours of Instruction:* 12

Location: Baton Rouge, LA

Instructor

Instructor

Allison H Landry
Local Coordinator

Michael R Davies
Michael Davies, Director
National Highway Institute

Certificate of Professional Development Hours

presented to

Dennis M. Hymel, Jr.

for attending the

Highway Safety Manual Workshop

12.0 PDHs

on

December 3-4, 2014 Baton Rouge, Louisiana

Authorized By

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NATIONAL HIGHWAY INSTITUTE

Dennis Hymel

has participated in

NHI Course No. FHWA-NHI-130081P

General Superstructure Design Considerations (Web-based)

hosted by

National Highway Institute

Location: *Web-Based Course* ***Hours of Instruction:*** *3 hours*

Date: *10/12/2015*

Valerie Briggs
Valerie Briggs, Director
National Highway Institute

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Attendance

PRESENTED BY

Louisiana Department of Transportation and Development
And
Louisiana Local Technical Assistance Program

TO CERTIFY THAT

Dennis Hymel

HAS SATISFACTORILY COMPLETED 4 HOURS OF TRAINING

Bridge Load Rating in Louisiana

Director Local Technical Assistance Program

September 25, 2015
Date

Baton Rouge, Louisiana
Location

20. Certifications/Licenses:

CRESCENT
ENGINEERING & MAPPING LLC

Certificate of Attendance

Dennis Hymel

has participated in

AASHTOWare Bridge Rating Fundamentals Training

hosted by

LA DOTD/LTRC

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

Professional Development Hours (PDHs) Awarded: 12

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

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

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NATIONAL HIGHWAY INSTITUTE

Dennis Hymel

has participated in

NHI Course No. FHWA-NHI-130101

Introduction to Safety Inspection of In-Service Bridges - WEB-BASED

hosted by

National Highway Institute

Location: *Web-Based Course* ***Hours of Instruction:*** *14 hours*

Date: *1/4/2016*

Valerie Briggs, Director
National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Dennis Hymel

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

Instructor

Valerie Briggs, Director

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

DENNIS HYMEL

has participated in

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

hosted by

LA DOTD/LTRC

Date: *July 11, 2017* ***Hours of Instruction:*** 6
Location: *Baton Rouge, LA*

Instructor

Allison H. Landry
Local Coordinator

Instructor

Valerie Briggs, Director
National Highway Institute

20. Certifications/Licenses:

CRESCENT
ENGINEERING & MAPPING LLC

National Highway Institute

Certificate of Training

Dennis Hymel, Jr.

has participated in

FHWA-NHI-130081 LRFD for Highway Bridge Superstructures

hosted by

LA DOTD/LTRC

Date: October 17-20, 2016 *Hours of Instruction:* 25

Location: Baton Rouge, LA

Instructor — Local Coordinator

Instructor — Valerie Briggs, Director, National Highway Institute

National Highway Institute

Certificate of Training

Dennis Hymel

has participated in

FHWA-NHI 130055 Safety Inspection of In-Service Bridges

hosted by

LA DOTD/LTRC

Date: January 4-15, 2016 *Hours of Instruction:* 67

Location: Baton Rouge, LA

Instructor — Local Coordinator

Instructor — Valerie Briggs, Director, National Highway Institute

DOTD — Louisiana Department of Transportation & Development

Certificate of Attendance

Local Public Agency Qualification Core Training

PRESENTED BY

Louisiana Department of Transportation and Development
Louisiana Local Technical Assistance Program
And
The Federal Highway Administration

TO CERTIFY THAT

Dennis Hymel

HAS SATISFACTORILY COMPLETED 5 HOURS OF TRAINING

October 30, 2012 — Date

Director of Local Public Agency Program

Houma, Louisiana — Location

DOTD — Louisiana Department of Transportation & Development

Certificate of Attendance

Local Public Agency Construction Engineering and Inspection (CE&I) Training

PRESENTED BY

Louisiana Department of Transportation and Development
Louisiana Local Technical Assistance Program
And
The Federal Highway Administration

TO CERTIFY THAT

Dennis Hymel, Jr.

HAS SATISFACTORILY COMPLETED 6.5 HOURS OF TRAINING

August 15, 2013 — Date

Director of Local Public Agency Program

Lafayette, Louisiana — Location

20. Certifications/Licenses:

CRESCENT
ENGINEERING & MAPPING LLC

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

NHI
NATIONAL HIGHWAY INSTITUTE

Certificate of Training

PAUL OLIVIER

has participated in

FHWA-NHI-142005 NEPA and the Transportation Decisionmaking Process

hosted by

LA DOTD/LTRC

Date: December 3-5, 2018
Location: Baton Rouge, LA
Hours of Instruction: 18

Instructor
Local Coordinator
Instructor
Valerie Briggs, Director
National Highway Institute

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Paul Olivier
has attended
Louisiana Traffic Control Supervisor
Training Course

10/18/2023 to 10/18/2027
Training Valid Through

Vice President of Education and Technical Services

New Orleans, LA
Location

President, CEO

ATSSA
American Traffic Safety Services Association

CAAL

Concrete & Aggregates Association of Louisiana

CERTIFICATE OF COMPLETION

Is Presented To

Paul Olivier

For completion of
CONCRETE SEMINAR
including
Concrete Specifications & Mix Design
Street Design

February 20, 2014 *Thibodaux, Louisiana*

This seminar has been approved for two (2) PDHs and CEUs for Engineers and Contractors

William H. Temple, Executive Director
February 20, 2014
Date

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

LTAP

Certificate of Attendance

PRESENTED BY

Louisiana Department of Transportation and Development
And
Louisiana Local Technical Assistance Program

TO CERTIFY THAT

Paul Olivier

HAS SATISFACTORILY COMPLETED 4 HOURS OF TRAINING

Bridge Load Rating in Louisiana

Director Local Technical Assistance Program
September 25, 2015
Date
Baton Rouge, Louisiana
Location

20. Certifications/Licenses:

CRESCENT
ENGINEERING & MAPPING LLC

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

LOUISIANA LTAP
LOCAL TECHNICAL
ASSISTANCE PROGRAM

Certificate of Attendance

Local Public Agency Qualification Program
LPA Qualification Core Training

PRESENTED BY

Louisiana Department of Transportation and Development
Louisiana Local Technical Assistance Program
&
The Federal Highway Administration

TO CERTIFY THAT

Abbey Falcon

HAS SATISFACTORILY COMPLETED 13 PROFESSIONAL DEVELOPMENT HOURS

Rudynah Capone

Rudynah Capone Director, LTAP

July 10 - 11 2024
Date

Covington, Louisiana
Location

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Abbey Falcon
has attended
Louisiana Traffic Control Supervisor
Training Course

11/8/2023 to 11/8/2027
Training Valid Through

Vice President of Education and Technical Services

Baton Rouge, LA
Location

President, CEO

ATSSA

20. Certifications/Licenses:

CRESCENT
ENGINEERING & MAPPING LLC

LOUISIANA TRANSPORTATION RESEARCH CENTER

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Attendance

Megan Miller

has participated in

AASHTOWare Bridge Rating Fundamentals Training

hosted by

LA DOTD/LTRC

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

Professional Development Hours (PDHs) Awarded: 12

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

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

CAAL

aci LA Chapter

Concrete & Aggregates Association of Louisiana

CERTIFICATE OF COMPLETION

Is Presented To

Megan Miller

DOTD

For completion of

Dense Concrete:
Managing Specifications for Structural Concrete

May 4, 2017 *Baton Rouge, Louisiana*

This seminar has been approved for three (3) PDHs and CEUs for Engineers and Contractors

William H. Temple, Executive Director

May 4, 2017
Date

U.S.Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NHI
NATIONAL HIGHWAY INSTITUTE
Training Solutions for Transportation Excellence

Megan Miller

has participated in

NHI Course No. FHWA-NHI-130101

Introduction to Safety Inspection of In-Service Bridges - WEB-BASED

hosted by

National Highway Institute

Location: *Web-Based Course* ***Hours of Instruction:*** *14 hours*

Date: *3/26/2019*

Valerie Briggs, Director
National Highway Institute

20. Certifications/Licenses:

CRESCENT
ENGINEERING & MAPPING LLC

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Luke Bourg
has attended
Louisiana Traffic Control Technician
Training Course

10/17/2023 to 10/17/2027
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 TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Luke Bourg
has attended
Louisiana Traffic Control Supervisor
Training Course

10/18/2023 to 10/18/2027
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

20. Certifications/Licenses:

CRESCENT
ENGINEERING & MAPPING LLC

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Matt Ledet
has attended
Louisiana Traffic Control Supervisor Refresher
Training Course

5/10/2021 to 5/10/2025
Training Valid Through

Baton Rouge, LA
Location

Vice President of Education and Technical Services

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA

Certificate of Training

this certifies that

Gavin Lebouef

has successfully completed the training program requirements for

National Flagger Certification Training Course

Awarded on this **12th** *day of* **September 2023**

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

[redacted]

20. Certifications/Licenses:

CRESCENT
ENGINEERING & MAPPING LLC

American Traffic Safety
Services Association

ATSSA

This is to affirm that
Dakotah Holley
Has satisfied the requirements to be designated as a
Registered Flagger

Expiration Date: 5/5/2025 *State Issued In:* LA

Instructor Signature

A1000020731

Verification Copy Only. Verification available by calling 1-877-6424637 or at http://www.flagger.com

Unofficial Certification

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Dakotah Holley
has attended
Traffic Control Technician-LA State Specific
Training Course

8/2/2022 to 8/2/2026
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

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Dakotah Holley
has attended
Traffic Control Supervisor-LA State Specific
Training Course

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

Director of Training

Baton Rouge, LA
Location

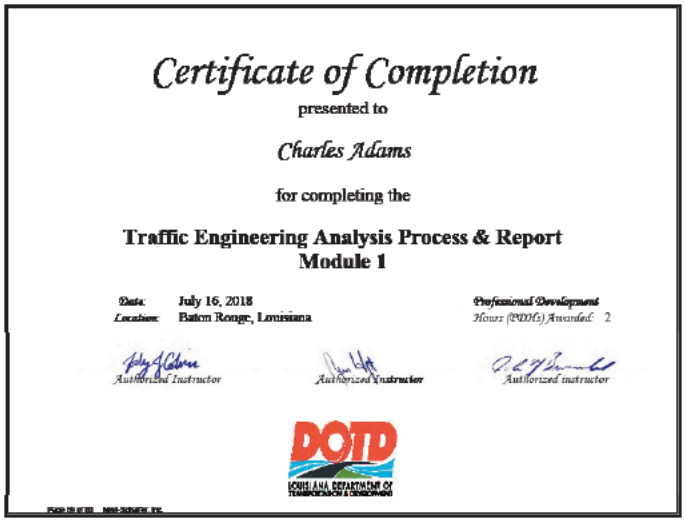
President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

20. Certifications/Licenses:

NEEL-SCHAFFER
Solutions you can build upon



Certificate of Completion

presented to

Charles Adams

for completing the

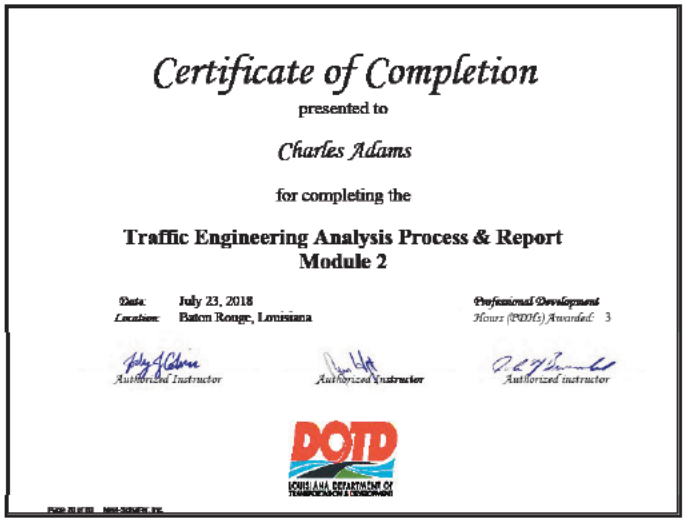
Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development
Hours (PDHs) Awarded: 2

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Charles Adams

for completing the

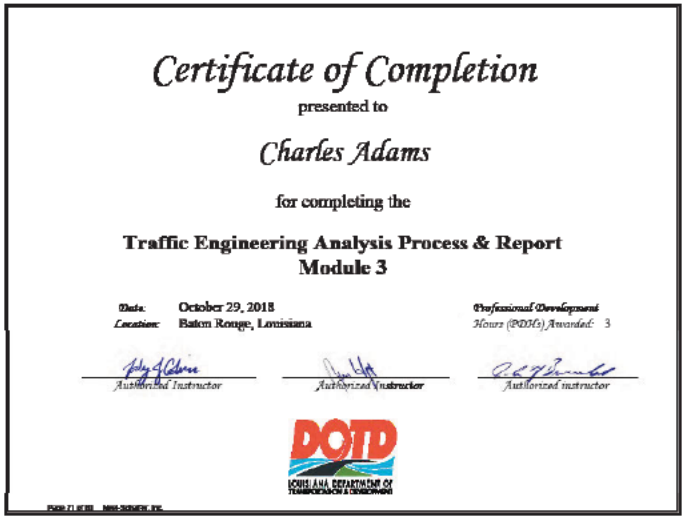
Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development
Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Charles Adams

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: October 29, 2018
Location: Baton Rouge, Louisiana

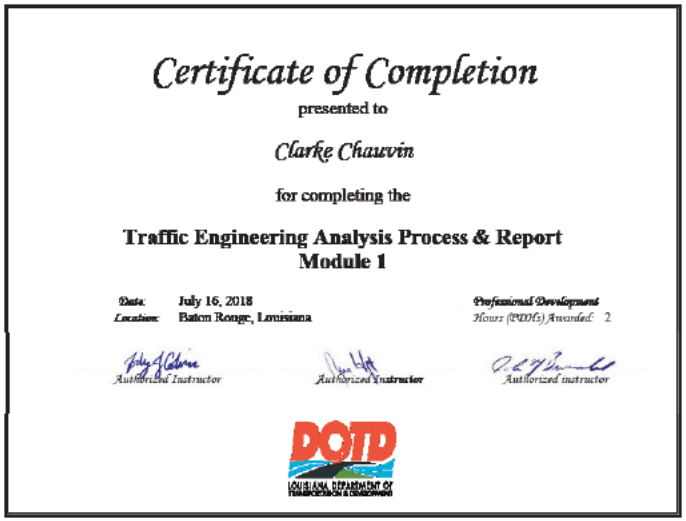
Professional Development
Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

20. Certifications/Licenses:

NEEL-SCHAFFER
Solutions you can build upon



Certificate of Completion

presented to

Clarke Chauvin

for completing the

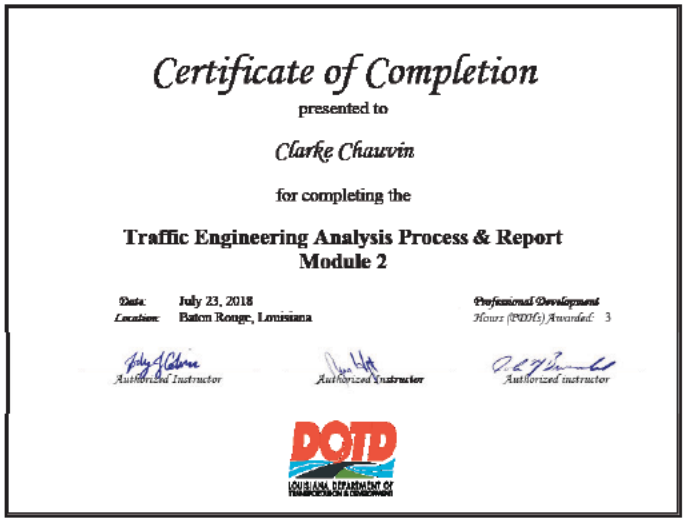
Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Clarke Chauvin

for completing the

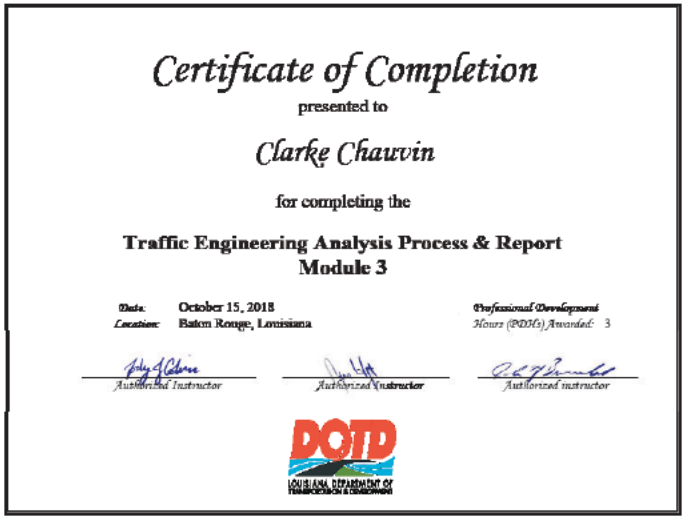
Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Clarke Chauvin

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

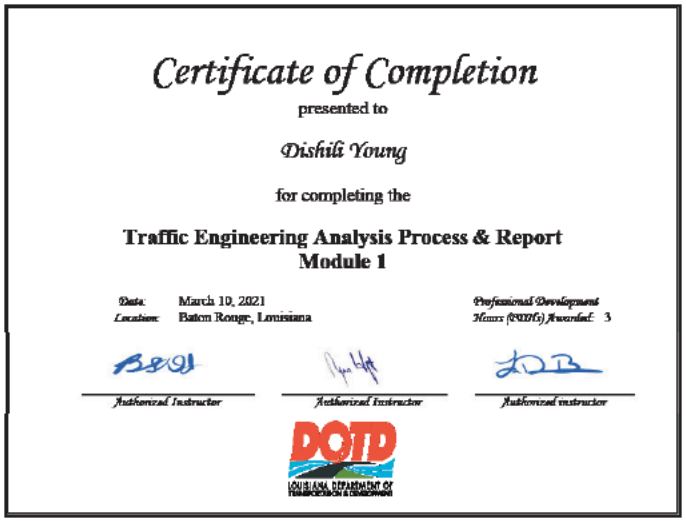
Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

20. Certifications/Licenses:

NEEL-SCHAFFER
Solutions you can build upon



Certificate of Completion

presented to

Dishili Young

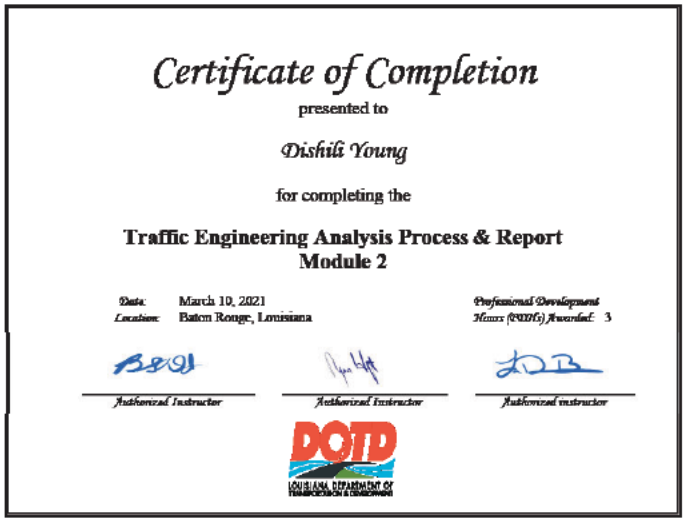
for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: March 10, 2021
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Dishili Young

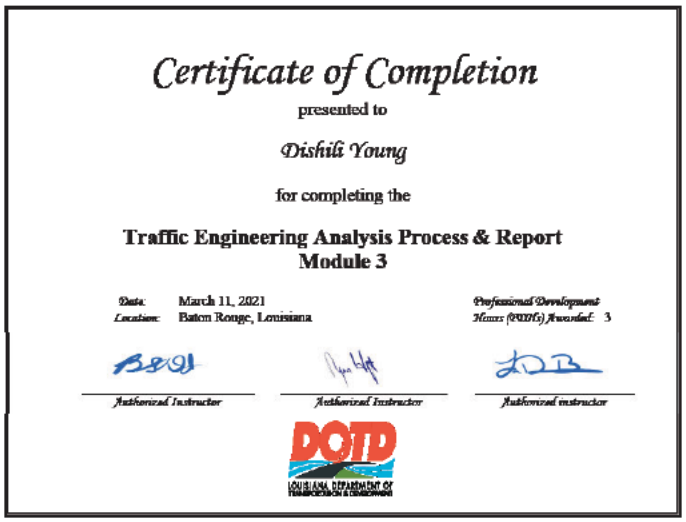
for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: March 10, 2021
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Dishili Young

for completing the

Traffic Engineering Analysis Process & Report
Module 3

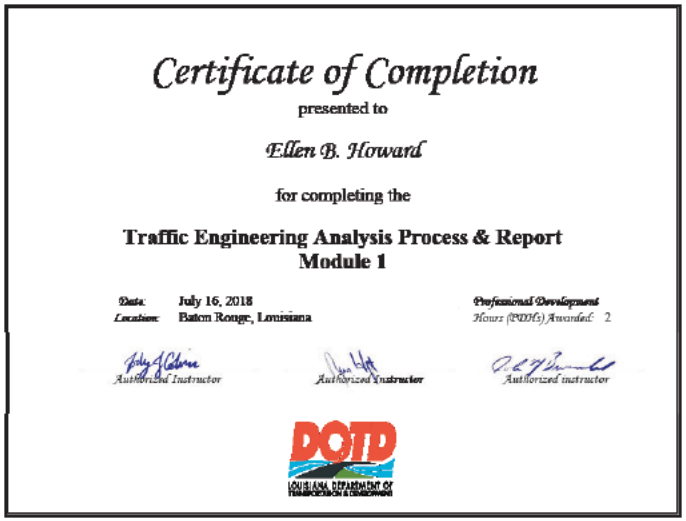
Date: March 11, 2021
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

20. Certifications/Licenses:

NEEL-SCHAFFER
Solutions you can build upon



Certificate of Completion

presented to

Ellen B. Howard

for completing the

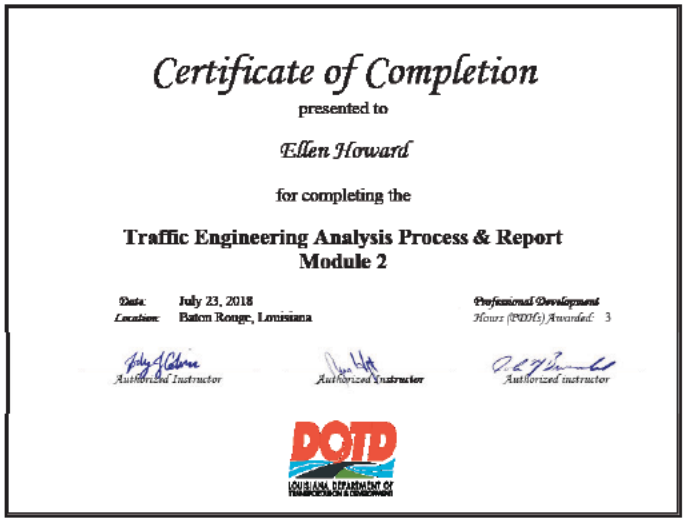
Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Ellen Howard

for completing the

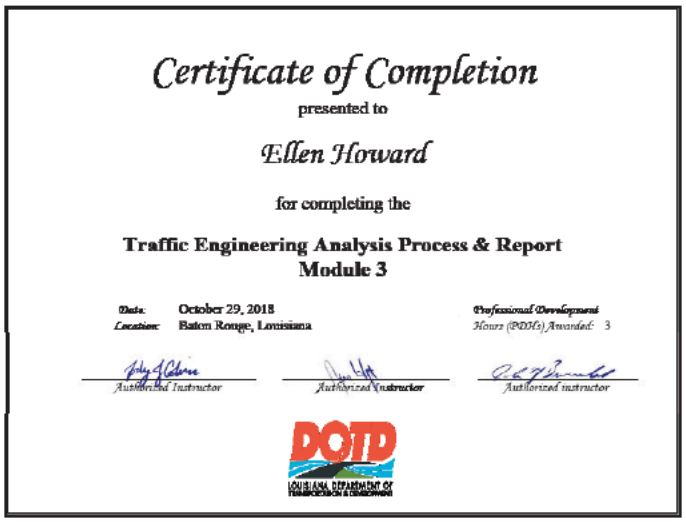
Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Ellen Howard

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: October 29, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

20. Certifications/Licenses:

NEEL-SCHAFFER
Solutions you can build upon

Certificate of Completion

presented to

Gary Leblanc

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: March 30, 2022
Location: Baton Rouge, Louisiana
Professional Development Hours (PDH(s)) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

Certificate of Completion

presented to

Gary Leblanc

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: March 29, 2022
Location: Baton Rouge, Louisiana
Professional Development Hours (PDH(s)) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

Certificate of Completion

presented to

Gary Leblanc

for completing the

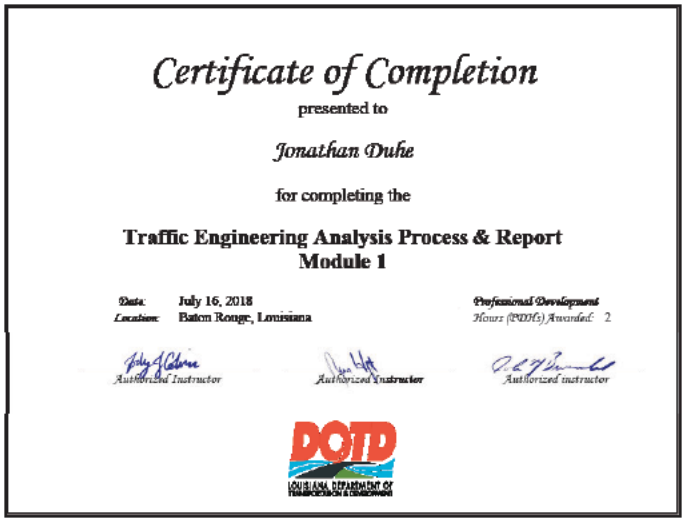
Traffic Engineering Analysis Process & Report
Module 1

Date: March 29, 2022
Location: Baton Rouge, Louisiana
Professional Development Hours (PDH(s)) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

20. Certifications/Licenses:

NEEL-SCHAFFER
Solutions you can build upon



Certificate of Completion

presented to

Jonathan Duhe

for completing the

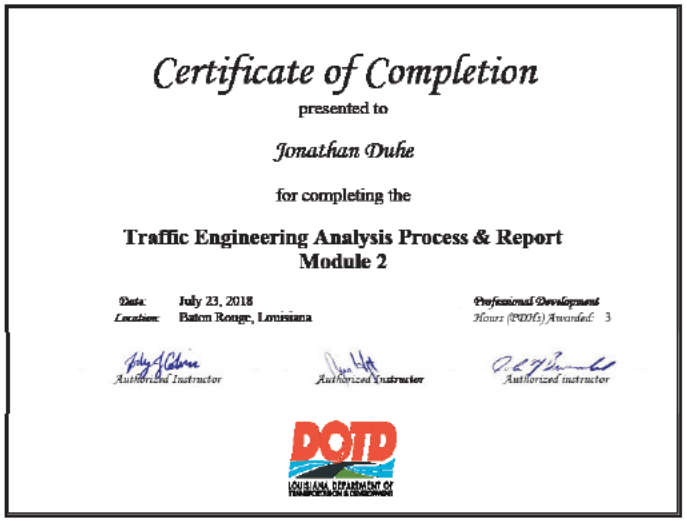
Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development
Hours (PDHs) Awarded: 2

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Jonathan Duhe

for completing the

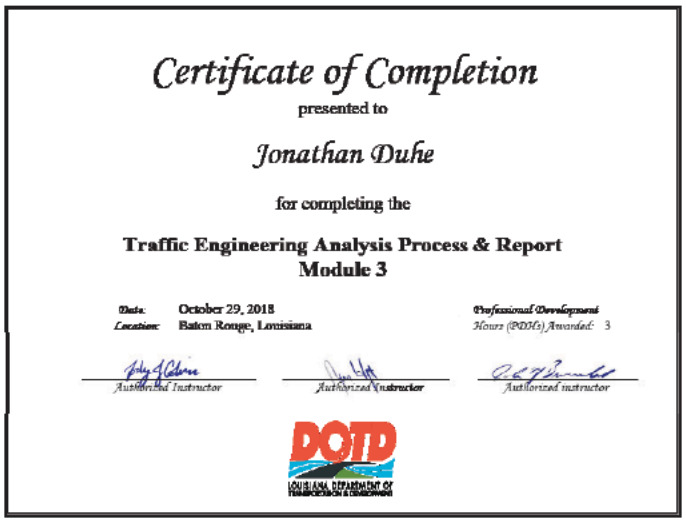
Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development
Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Jonathan Duhe

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: October 29, 2018
Location: Baton Rouge, Louisiana

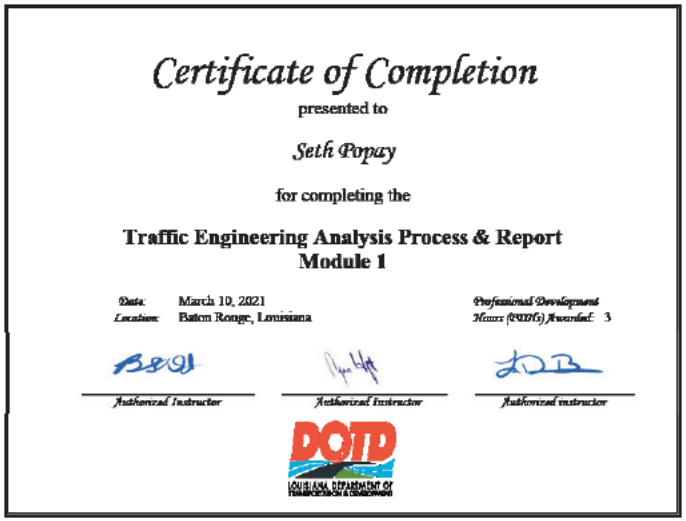
Professional Development
Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

20. Certifications/Licenses:

NEEL-SCHAFFER
Solutions you can build upon



Certificate of Completion

presented to

Seth Popay

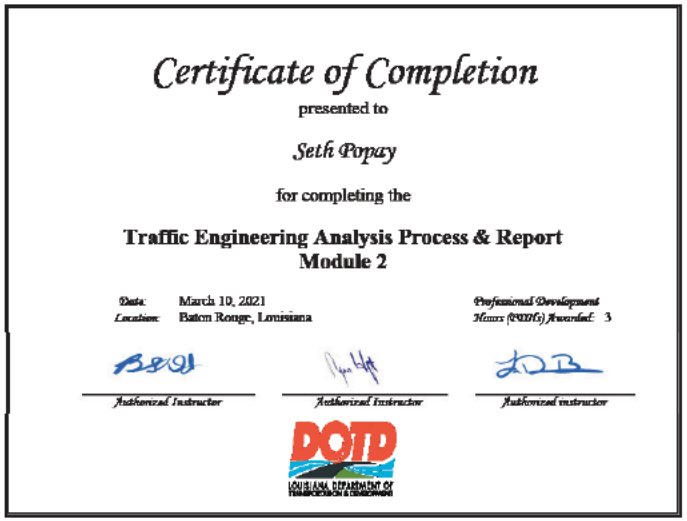
for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: March 10, 2021
Location: Baton Rouge, Louisiana
Professional Development Hours (PDH's) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Seth Popay

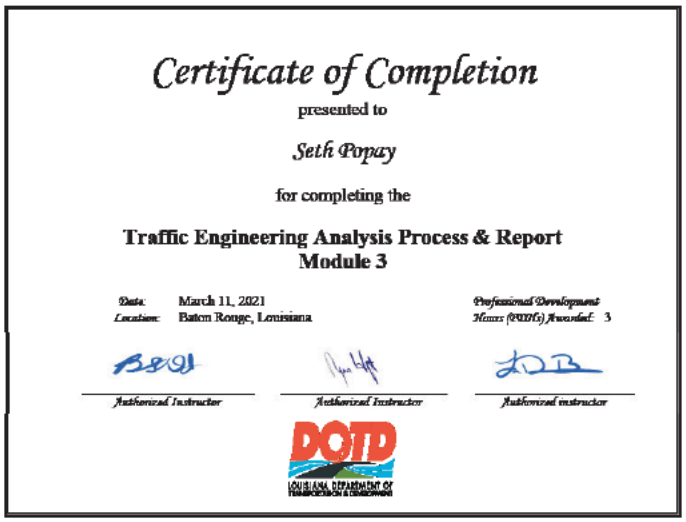
for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: March 10, 2021
Location: Baton Rouge, Louisiana
Professional Development Hours (PDH's) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Seth Popay

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: March 11, 2021
Location: Baton Rouge, Louisiana
Professional Development Hours (PDH's) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

20. Certifications/Licenses:

APS Engineering and Testing

Louisiana Professional Engineering and Land Surveying Board

License Information

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

Name:	Address:
Mr. Sergio L. Aviles	5261 Highland Road PMB #320 Baton Rouge, Louisiana 70808

License/Certificate Information

License	Status	First Issuance Date	Expiration Date	Listed Discipline(s)
PE.0033571	Active	12/28/2007	03/31/2026	Civil Engineer

View Pocket Card

If you need to change your contact information, click the link below to update your contact info online:
Online Contact Info Update (User ID/Password required) (https://lola lapels.com)

9643 Brookline Avenue | Suite 121 | Baton Rouge, LA 70809-1433
225-925-6291 | Fax 225-925-6292

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

Name:
APS Engineering and Testing, LLC

Public Address:
Mr. Sergio Aviles
5261 Highland Road,

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF 0005198	Active	11/29/2012	03/31/2025	Mr Sergio L Aviles # PE 0033571


ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Sergio Aviles
has attended
Traffic Control Technician Virtual Training
Training Course

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

CEU: 0.75

Director of Training

Location

President, CEO

ATSSA provides train ng and certification but neither consti utes employment by ATSSA.
This certificate provides proof of tra ning, not certification.

ATSSA American raffic Safety Services Assoc ation A SSA com

20. Certifications/Licenses:

APS Engineering and Testing

Louisiana Professional Engineering and Land Surveying Board

License Information

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

Name:	Address:
Mr. Surendra Raj Pa hak	2405 Brightside Drive, Apt. 6 Baton Rouge, Louisiana 70820

License/Certificate Information

License	Status	First Issuance Date	Expiration Date	Listed Discipline(s)
PE.0043487	Active	05/16/2019	09/30/2025	Civil Engineer

View Pocket Card

If you need to change your contact information, click the link below to update your contact info online:
Online Contact Info Update (User ID/Password required) (https://lola lapels.com)

9643 Brookline Avenue | Suite 121 | Baton Rouge, LA 70809-1433
225-925-6291 | Fax 225-925-6292

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Surendra Pathak
has attended
Traffic Control Supervisor Virtual Training
Training Course

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

CEU: 1.50

Director of Training

,
Location

President, CEO

ATSSA prov des training and certificat on but ne ther constitutes employment by ATSSA.
This cert ficate provides proof of training not certificat on.

ATSSA American raffic Safety Services Association A SSA com

20. Certifications/Licenses:

APS Engineering and Testing

Louisiana Professional Engineering and Land Surveying Board

License Information

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

Name:	Address:
Mr. Sairam Venkata Eddanapudi	1645 Nicholson Drive Baton Rouge, Louisiana 70802

License/Certificate Information

License	Status	First Issuance Date	Expiration Date	Listed Discipline(s)
PE.0035129	Active	12/14/2009	03/31/2026	Civil Engineer

View Pocket Card

If you need to change your contact information, click the link below to update your contact info online:
Online Contact Info Update (User ID/Password required) (https://lola.lapels.com)

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RTA DOTD

LOUISIANA UNIFIED CERTIFICATION PROGRAM

Disadvantaged Business Enterprise Program (DBE)

Small Business Element (SBE)

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

APS Engineering and Testing, LLC

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

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

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

Certificate Eligibility: October 2023 to October 2024

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

Rhonda Wallace

Rhonda Wallace, DBE/SBE Programs Manager

Louisiana Department of Transportation & Development

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

QC/QA PLAN NOT PROVIDED PER ADVERTISEMENT

22. Sub-consultant information:

If one or more sub 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 as registered with Louisiana's Secretary of State)	Address	Point of Contact and Email Address	Phone Number
Neel-Schaffer, Inc.	10000 Perkins Rowe, Suite G360 Baton Rouge, LA 70810	Nick J. Ferlito, Jr., PE, PTOE nick.ferlito@neel-schaffer.com	225-924-0235
APS Engineering and Testing, LLC	1645 Nicholson Drive Baton Rouge, LA 70802	Sergio Aviles, PE sergio@aps-testing.com	225-456-5714

23. Location:

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

CRESCENT

ENGINEERING & MAPPING LLC

"Committed to Excellence, Focused on Delivery"

Vacherie, LA, 225.329.1742 | Thibodaux, LA, 985.200.1508 | www.crescentengla.com