



**LA 44: PELICAN POINT ROUNDABOUT AND WIDEN  
ROUTE: LA 44  
ASCENSION PARISH**

Contract No. 4400028434  
State Project No. H.015568.5  
February 6, 2024

# SECTION 01-16

H.015568 - LA 44: Pelican Point Roundabout and Widening  
Conceptual Layout  
Ascension Parish, LA



**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	<b>LA 44: PELICAN POINT ROUNDABOUT AND WIDEN</b>
2. Contract number(s) as shown in the advertisement	4400028434
3. State Project Number(s), if shown in the advertisement	H.015568.5
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.

11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.



Signature above shall be the same person listed in Section 9:

February 6, 2024

Date:

Firm(s):

**Vectura Consulting Services, LLC**

Firm(s)' %:

**6%**

## 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.	Vectura Consulting Services, LLC	Each Discipline must total 100%
Road	74%	60%	40%		100%
Bridge	20%	100%			100%
Traffic	6%			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%	64%	30%	6%	100%
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### 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.

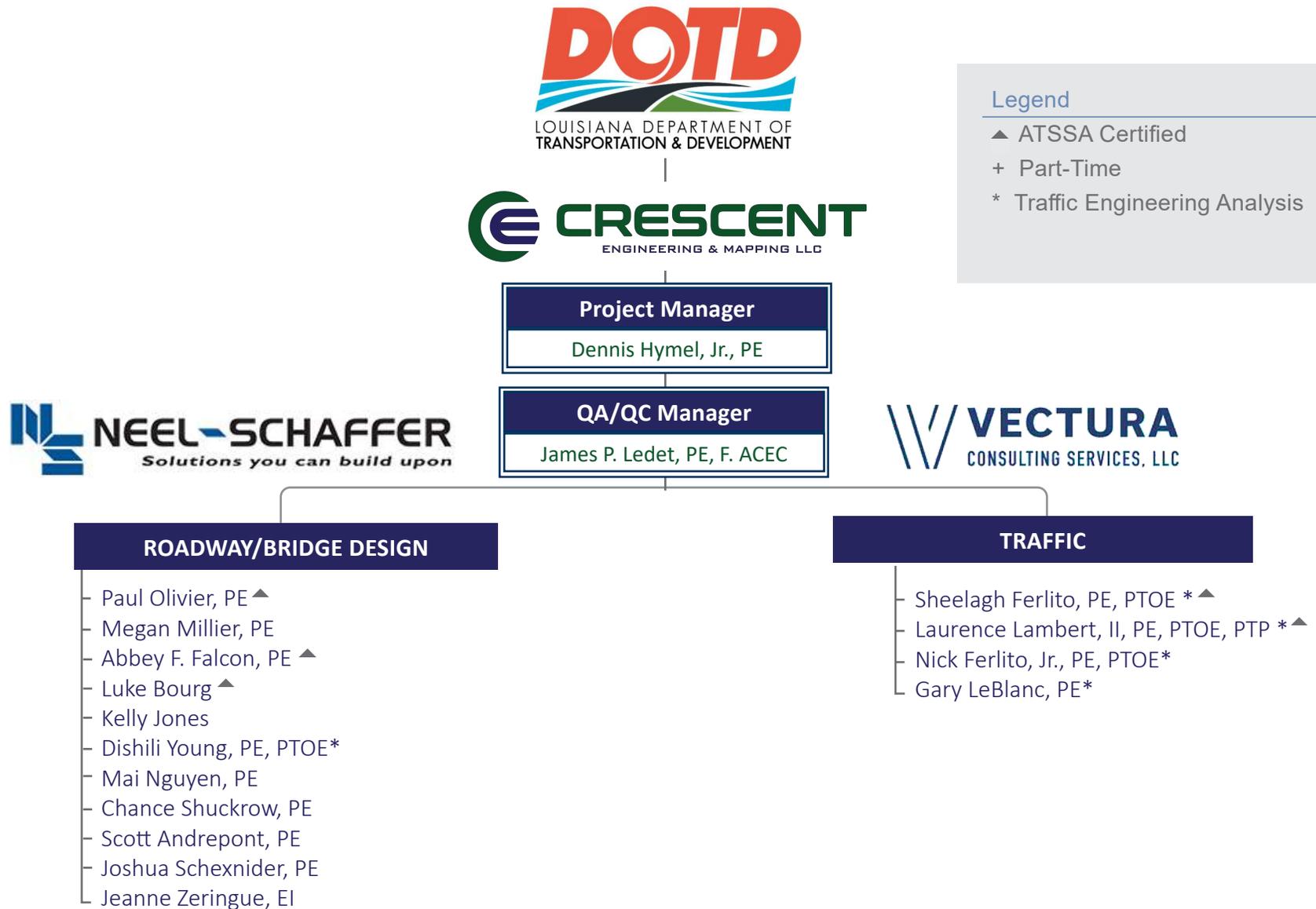
The DOTD Job Classification(s) to be used can be found at the following link:

[http://wwwsp.dotd.la.gov/Inside\\_LaDOTD/Divisions/Engineering/CCS/Job\\_Qualification/Job%20Classifications%20with%20Descriptions.pdf](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)
	Supervisor Engineer	1	1
	Engineer	3	4
	Sr. Technician	2	2
	Supervisor Engineer	1	2
	Engineer	4	10
	Senior Technician	1	2
	Engineer Intern	1	3
	Supervisor Engineer	1	2
	Engineer	2	4
	Engineer Intern	1	1

## 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.



### Legend

▲ ATSSA Certified

+ Part-Time

\* Traffic Engineering Analysis

## 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	Paul Olivier, PE		LA PE# 39967 - Civil	LA	03/31/2024
2	Paul Olivier, PE		LA PE# 39967 - Civil	LA	03/31/2024
3	Paul Olivier, PE		LA PE# 39967 - Civil	LA	03/31/2024
4	Dennis Hymel Jr., PE		LA PE# 38172 - Civil	LA	09/30/2025
	James P. Ledet, PE, F. ACEC		LA PE# 22428 - Civil	LA	03/31/2024
5	Megan M. Miller, PE		LA PE# 39897 - Civil	LA	09/30/2025
6	Nick Ferlito, Jr., PE, PTOE		LA PE# 28001 - Civil	LA	09/30/2025
	Gary LeBlanc, PE		LA PE# 28220 - Civil	LA	09/30/2025
	Sheelagh Brin Ferlito, PE, PTOE		LA PE#25383 - Civil	LA	09/30/2025
	Laurence Lucius Lambert, II, PE, PTOE, PTP		LA PE# 29901 - Civil	LA	3/31/2024

## 16. Staff Experience:

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

 <p><b>Dennis M. Hymel, Jr., PE</b> Supervising Engineer/Manager</p> 	<b>Years of relevant experience with this employer</b>	2.5
	<b>Years of relevant experience with other employer(s)</b>	17
<b>Degree(s) / Years / Specialization</b>		Bachelor of Science/2009/Civil Engineering
<b>Active registration number / state / expiration date</b>		38172 / LA / 09/30/2025
<b>Year registered</b>	2013	<b>Discipline</b> P.E./Civil Engineering
<b>Contract role(s) / brief description of responsibilities</b>		Roadway and Bridge Design Supervisor. Dennis' experience fulfills MPR #4.
<b>Experience dates (mm/yy–mm/yy)</b>	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).	
09/16 – 08/21 <i>(previous employer)</i>	<b>S.P. H.011152, I-12 Widening (US 190 to LA 59), St. Tammany Parish, LA (LADOTD)</b> – Project Manager/Engineer of Record. Responsible for all roadway design including H&V geometrics and drainage, prepared Level 4 TMP and construction phasing plans. 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. Performed Construction Support Services. <b>Design completed under an accelerated project schedule.</b>	
09/18 – 08/21 <i>(previous employer)</i>	<b>S.P. H.001344, US 190: LA 437 to US 190 BUS (Ph. 1), St. Tammany Parish (LADOTD)</b> – Supervising/QC Engineer. QC/QA of urban roadway design elements including horizontal and vertical geometry, intersection design, oversight of roadway plan production for one mile, 5-lane urban roadway reconstruction. Responsible for bridge design report, urban bridge design, and QC of bridge plan development and LRFR for a horizontally curved, superelevated, 1485-footlong bridge over the Bouge Falaya River using LG 36 and LG 54 prestressed concrete girders, rectangular column bents, low water pier foundations. <b>Coordinated utility conflicts and relocations</b> , prepared cost estimates.	
03/14 – 08/21 <i>(previous employer)</i>	<b>S.P. H.004113, I-12 to Bush: LA 3241 (LA 435 to LA 40/41), St. Tammany Parish, LA (LADOTD)</b> – 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 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.	
04/22 – Ongoing	<b>LA 3127 Widening (LA 20 to LA 3213), St. James Parish, LA (St. James Parish)</b> – Project Manager/EOR. Responsible for entire project including QC of topographic surveys, oversight of traffic analysis, roadway widening design, drainage and hydraulic design, H&V geometry. Project involves widening existing roadway to 4-lane divided and includes <b>two multi-lane roundabouts</b> , geotechnical, environmental for over 4 miles of arterial widening.	

## 16. Staff Experience:

05/22 - Ongoing	<b>EN22-0181, Rousseau Rd. Bridge over Tchefuncte River, St. Tammany Parish, LA (St. Tammany Parish Government)</b> - Project Manager/Engineer of Record. Performed review of topographic surveys, QC of roadway design, H&V geometrics, hydraulics, EOR for Urban bridge design elements including special span/bents, LRFR of replacement bridge and rehabilitated structure, bridge rehabilitation design using steel framed helper bents, environmental assistance, and subconsultant coordination for the replacement of the existing 4-span vehicular near Covington, LA.
03/22 - Ongoing	<b>S.P. H.015333, H.015404, H.015407 – Tangipahoa IJA Bridge Replacements, Tangipahoa Parish, LA (LADOTD)</b> – 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.
04/16 – 08/21 <i>(previous employer)</i>	<b>S.P. H.013116, LA 20 Widening (LA 307 to S. Vacherie), St. James &amp; Lafourche Parishes (LADOTD)</b> – Project Manager, Lead Engineer. Participated in Road Safety Assessment (RSA) and development of low-cost safety improvements, Prepared Stage 0 Feasibility study, Environmental Checklists, oversight of topo surveys and SUE, led roadway design efforts including alternatives analysis, H&V geometry, drainage design, Traffic Management Plans, oversaw plan production for Preliminary and Final Plans, performed bridge design QC of 120' RC Slab bridge for the 2.7 mile safety widening project including addition of shoulders and improved geometry.
05/20 – 08/21 <i>(previous employer)</i>	<b>Contract 44-17598 – Rural Bridge Replacement Initiative Phase I (47 bridge structures), Districts 04, 05, 08, 58 (LADOTD)</b> – Project Manager/Engineer of Record. Led contract negotiations, performed QC review of topographic surveys, served as the EOR for roadway, geometrics, and bridge design elements including hydraulics analysis, scour, horizontal/vertical alignments, Level 1&2 TMP, bridge design & LRFR (non-standard structures) including LG-25 girders, oversight of geotechnical services and environmental permitting, SOV's, CE document preparation and permitting the <b>replacement of 47 bridge structures in northern Louisiana containing Fifteen (15) State Project Numbers.</b>
09/18 – 01/20 <i>(previous employer)</i>	<b>MA-18-07, Braud Rd. &amp; Germany Rd. Roundabout, Ascension Parish, LA (Ascension Parish)</b> – Quality Control Engineer. Responsible for QC reviews of all design elements and plan preparation associated with the single lane roundabout at the intersection of Braud Rd. and Germany Rd. in Ascension Parish. QC review elements included H&V alignments, roundabout geometrics, drainage design and inroads modeling. Also responsible for the review of the utility conflict matrix and final right-of-way maps.
01/12 – 12/17 <i>(previous employer)</i>	<b>07-EXT-22, Bayou Gardens Blvd. Extension (LA 660 to LA 316), Terrebonne Parish, LA (Terrebonne Parish)</b> – 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.
09/17 – 08/21 <i>(previous employer)</i>	<b>MA-17-01, Roddy Road Widening (LA 935 to LA 621), Ascension Parish, LA (Ascension Parish Government)</b> – Project Manager/Lead Engineer. Responsible for all roadway widening design, supervised roadway and bridge plan production, quality control engineer for 160' RC Slab bridge design and hydraulics, supervised all SUE efforts and SUE EOR for QL D-A for the 1.5 mile widening project in Gonzales, LA.
09/16 – 08/19 <i>(previous employer)</i>	<b>West 15th St. Bridge/Mile Branch Creek, St. Tammany Parish, LA (City of Covington)</b> – Project Manager/Engineer of Record. Responsible for topographic surveys, urban roadway and bridge design including roadway geometrics, TS&L, special span & bent design, 54" (TL-4) railing on bridge deck, special approach slabs and as-designed LRFR for the six-span (two continuous three-span units) 120' bridge replacement with integral 8' cantilevered bike path on bridge over Mile Branch Creek.

## 16. Staff Experience:

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

 <p><b>Paul I. Olivier, PE</b> Engineering Manager</p>		<b>Years of relevant experience with this employer</b>	1
		<b>Years of relevant experience with other employer(s)</b>	13
<b>Degree(s) / Years / Specialization</b>		Bachelor of Science/2010/Civil Engineering	
<b>Active registration number / state / expiration date</b>		39967 / LA / 03/31/2024	
<b>Year registered</b>	2015	<b>Discipline</b>	P.E./Civil Engineering
<b>Contract role(s) / brief description of responsibilities</b>		Roadway Design and Bridge Design. Paul's experience meets MPR #1-3.	
<b>Experience dates (mm/yy–mm/yy)</b>	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 – 01/23 <i>(previous employer)</i>	<p><b>SP H.012812, US 190 Roundabouts @ Northshore, Camp Villere, St. Tammany Parish, LA (LADOTD)</b> – Project Manager. Supervising Engineer for the design and plan preparation of a <b>multi-lane roundabout</b> at the intersection of US 190 and Northshore Blvd. and a <b>single lane roundabout</b> at the intersection of US 190 and Camp Villere Rd. in Slidell, LA. Provided quality control and design oversight of several project elements including H&amp;V alignments, drainage design, striping/signing, sequence of construction, 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.</p>		
09/18 – 01/23 <i>(previous employer)</i>	<p><b>S.P. H.001344, US 190: LA 437 – US 190 BUS (Ph. 1), St. Tammany Parish, LA (LADOTD)</b> – Project Manager/Engineer of Record. Engineer of Record responsible for the <b>widening of a 0.9 mile stretch along US 190</b> from LA 437 to US 190 (Bus.) in Covington, LA. Oversaw plan preparation and the design of project elements such as H&amp;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.</p>		
09/16 – 10/22 <i>(previous employer)</i>	<p><b>S.P. H.011152, I-12 Widening (US 190 to LA 59), St. Tammany Parish, LA (LADOTD)</b> – Lead Project Engineer. Led roadway design including clear &amp; grubbing, H&amp;V geometrics and drainage, prepared Level 4 TMP and construction phasing plans. Oversaw Inroads modeling and roadway preparation, guardrail design, temporary ramp design, led roadway plan production, performed quantity calculations, and oversaw plan development, assisted with construction support, RFI and shop drawing reviews, contractor coordination via Falcon, for the 4-mile widening of I-12 near Covington, LA. <b>Design completed under an accelerated project schedule.</b></p>		
08/21 – 02/23 <i>(previous employer)</i>	<p><b>S.P. H.014407, LA 621 at Roddy Rd. Roundabout, Ascension Parish, LA (Ascension Parish)</b> – Project Manager/Supervising Engineer. Oversaw the plan preparation and all design elements required for a single lane roundabout at the intersection of LA 621 and Roddy Rd. in Ascension Parish. Performed quality control of design elements such as H&amp;V alignments, roundabout geometrics, drainage design, autoturn movements, sequence of construction, typical sections and inroads modeling. Also responsible for leading coordination efforts with a traffic subconsultant regarding the development of a Roundabout Report for LADOTD.</p>		

## 16. Staff Experience:

<p>09/18 – 01/20 (previous employer)</p>	<p><b>MA-18-07, Braud Rd. &amp; Germany Rd. Roundabout, Ascension Parish, LA (Ascension Parish)</b> – Project Manager/Supervising Engineer. Oversaw the plan preparation and all design elements required for a single lane roundabout at the intersection of Braud Rd. and Germany Rd. in Ascension Parish. Design elements included H&amp;V alignments, roundabout geometrics, drainage design, autoturn movements, graphical grades, typical sections and inroads modeling. Also responsible for preparation of utility conflict matrices and final right-of-way maps.</p>
<p>03/14 – 01/23 (previous employer)</p>	<p><b>SP H.004113, I-12 to Bush: LA 3241 (LA 435 to LA 40/41), St. Tammany Parish, LA (LADOTD)</b> – Project Engineer/EOR. Led roadway design including hydraulics, drainage, roadway H&amp;V geometrics, superelevation, intersection design, R-CUT 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.</p>
<p>06/16 – 08/16 (previous employer)</p>	<p><b>W. 15th St. Bridge/Mile Branch Creek, St. Tammany Parish, LA (City of Covington)</b> – Engineer of Record. Responsible for all roadway and bridge design including drainage, H&amp;V geometry, special bent/spans, design of integrated 8' wide shared use path on structure, oversight of plan production for 5-span bridge replacement over Mile Branch in Covington, LA.</p>
<p>02/23 - Ongoing</p>	<p><b>EN22-0181, Rousseau Rd. over Tchefuncte River, St. Tammany Parish, LA (St. Tammany Parish Government)</b> – Lead Engineer. Lead engineer responsible for roadway design for offset alignment, H&amp;V geometrics, hydraulics, QA for bridge design elements including special span/bents, bridge rehabilitation, environmental assistance, and subconsultant coordination for the replacement of the existing 4-span vehicular near Covington, LA.</p>
<p>03/23 - Ongoing</p>	<p><b>S.P. H.014993, Lemon Road over Drainage Bayou, East Baton Rouge Parish, LA (LADOTD)</b> – Project Manager/Engineer of Record. Lead engineer for roadway design, H&amp;V geometry, subsurface drainage design, bridge hydraulic design and scour analysis. Performed plan reviews of substructure and superstructure design elements and lead coordination efforts of Environmental deliverables such as SOV's and Categorical Exclusion document.</p>
<p>03/23 - Ongoing</p>	<p><b>S.P. H.014992, McHugh Road over Brushy Bayou, East Baton Rouge Parish, LA (LADOTD)</b> – Project Manager/Supervising Engineer. Oversaw roadway design elements such as H&amp;V geometry, subsurface urban drainage design, bike path and pedestrian accommodations. Performed quality control of bridge hydraulic design and scour analysis, and provided assistance with bridge design and environmental.</p>
<p>07/20 – 02/23 (previous employer)</p>	<p><b>Contract No. 4400017598, Rural Bridge Replacement Initiative (Phase 1), Districts 04, 05, 08 and 58 (LADOTD)</b> – Project Manager/Engineer of Record. Performed QC review of topographic surveys, served as the EOR or Lead Engineer for roadway design, geometrics, and bridge design elements including hydraulics analysis, scour, horizontal/vertical alignments, Level 1&amp;2 TMP, oversight of geotechnical services and environmental permitting, SOV's, CE document preparation and permitting the <b>replacement of 47 bridge structures in northern and central Louisiana containing Fifteen (15) State Project Numbers.</b> Responsible for providing construction support in the form of reviewing and responding to Contractor RFI's, submittals and shop drawings.</p>
<p>06/21 – 02/23 (previous employer)</p>	<p><b>Contract 44-19336 – Rural Bridge Replacement Initiative Phase II (40 bridge structures), Districts 04, 05 (LADOTD)</b> – Project Manager. Responsible for overall project management and qc of roadway design, geometrics, and bridge design elements including hydraulics analysis, scour, horizontal/vertical alignments, Level 1&amp;2 TMP, oversight of geotechnical services and environmental permitting, SOV's, CE document preparation and permitting the replacement of <b>40 bridge structures in northern Louisiana containing Twelve (12) State Project Numbers.</b></p>

## 16. Staff Experience:

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

 <p><b>Abbey F. Falcon, PE</b> Project Engineer</p>		Years of relevant experience with this employer	1.5
		Years of relevant experience with other employer(s)	5
<b>Degree(s) / Years / Specialization</b>		Bachelor of Science/2017/Civil Engineering	
<b>Active registration number / state / expiration date</b>		46035 / LA / 03/31/2024	
<b>Year registered</b>	2021	<b>Discipline</b>	P.E./Civil Engineering
<b>Contract role(s) / brief description of responsibilities</b>		Roadway and Bridge Design	
<b>Experience dates (mm/yy–mm/yy)</b>	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
08/21 – 07/22 <i>(previous employer)</i>	<b>S.P. H.014407, LA 621 at Roddy Rd. Roundabout, LADOTD, Ascension Parish, LA</b> – Project Engineer. Lead design engineer for the design of a roundabout at the intersection of Roddy Road and LA 621 in Ascension Parish, LA. Assisted in the coordination with the traffic subconsultant and the client during the creation of the Roundabout Report for LADOTD. Prepared roundabout and intersection widening conceptual layouts for inclusion in the report. Also responsible for preliminary design and plans including elements such as H&V alignments, autoturning movements, roundabout geometrics, and drainage design.		
07/22 – Ongoing	<b>LA 3127 Widening (LA 20 to LA 3213), St. James Parish, LA (St. James Parish)</b> – Project Engineer. Assisted in several project design elements such as H&V alignments, drainage design, geometrics, and preliminary inroads modeling for over 4 miles of arterial widening. Project involves widening existing roadway to 4-lane divided and includes <b>two multi-lane roundabouts</b> , geotechnical, environmental for over 4 miles of arterial widening.		
09/18 – 01/20 <i>(previous employer)</i>	<b>MA-18-07, Braud Rd. &amp; Germany Rd. Roundabout, Ascension Parish Government, Ascension Parish, LA</b> – Engineering Support. Performed hydraulic analysis and calculations of all side drain and cross drain pipes for the urban drainage design of the roundabout at Braud Rd. and Germany Rd. in Ascension Parish, LA. Perform inlet spacing and drainage network calculations utilizing LADOTD HYDRWIN programs HYDR6000 and HYDR6020.		
12/22 - Ongoing	<b>S.P. H.014992, McHugh Road over Brushy Bayou, East Baton Rouge Parish, LA (LADOTD)</b> – Project Engineer, Hydraulic EOR. Lead/EOR for hydraulics analysis, lead design of roadway, pedestrian and bicycle lane design, H&V geometrics, road and bridge plan production, performed Inroads modeling, assist with bridge design elements including special span/bents, cantilevered sidewalks on bridge with bike lanes, railing design for the replacement of the existing vehicular and pedestrian bridges near Baker, LA.		
05/17 – 08/21 <i>(previous employer)</i>	<b>S.P. H.004113, I-12 to Bush: LA 3241 (LA 435 to LA 40/41), St. Tammany Parish, LA (LADOTD)</b> – Project Engineer. Assisted with all roadway design elements on the 5.5 rural, 4-lane corridor project including geometrics and drainage design. Prepared quantities, performed Inroads roadway modeling, prepared summary sheets, typical sections, detailing, Sequence of Construction sheets, prepared preliminary and final roadway plans.		

## 16. Staff Experience:

05/17 – 08/21 <i>(previous employer)</i>	<b>S.P. H.011152, I-12 Widening (US 190 to LA 59), St. Tammany Parish, LA (LADOTD)</b> – 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. <b>Accelerated project schedule.</b>
04/18 – 10/21 <i>(previous employer)</i>	<b>S.P. H.001344, US 190: LA 437 to US 190 BUS (Ph. 1), St. Tammany Parish (LADOTD)</b> – Project Engineer. Assisted with all roadway design elements on the 1-mile Urban, multi-lane roadway widening project including geometrics and drainage. Prepared quantities, performed Inroads roadway modeling, prepared summary sheets, typical sections, detailing, assisted with the preparation of preliminary and final roadway plans.
04/20 – 04/22 <i>(previous employer)</i>	<b>S.P. H.013987, LA 521: Bridges Near Dykesville, Claiborne Parish, LA (LADOTD)</b> – Lead/Engineer of Record. Responsible for all roadway and bridge design, bridge hydraulics & scour analysis, developed roadway and bridge H&V alignments, superelevation, drainage, bridge TS&L, prepared roadway and bridge plans, design report & criteria forms for the replacement of three (3) LADOTD On-System bridges.
04/20 – 05/22 <i>(previous employer)</i>	<b>S.P. H.013955, LA 507, 514, Local: Bayou and Cr BRs, Red River Parish, LA (LADOTD)</b> – Lead/Engineer of Record. Responsible for all roadway and bridge design, bridge hydraulics & scour analysis, developed roadway and bridge H&V alignments, drainage design, bridge TS&L, curved bridge sites, prepared roadway and bridge plans, design criteria for the replacement of five (5) LADOTD On-System bridges and one (1) Off-System Bridge.
07/17 – 06/21 <i>(previous employer)</i>	<b>S.P. H.013116, LA 20 Widening (LA 307 to S. Vacherie), St. James &amp; Lafourche Parishes (LADOTD)</b> – 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.
09/18 – 08/20 <i>(previous employer)</i>	<b>MA-17-01, Roddy Road Widening (LA 935 to LA 621), Ascension Parish Government, Ascension Parish, LA</b> – Engineering Support. Performed hydraulic analysis and calculations of all roadside ditches, side drain pipes and cross drain pipes for the design of the reconstruction of Roddy Rd. in Gonzales, LA. Performed all calculations in LADOTD HYDRWIN Programs including HYDR1120, HYDR1130 and HYDR1140 in order to determine ditch depths, pipe sizes and headwater/tailwater elevations. Assisted in the plan production of the bridge along Roddy Road crossing Black Bayou.
06/22 - Ongoing	<b>EN22-0181, Rousseau Rd. over Tchefuncte River, St. Tammany Parish, LA (St. Tammany Parish Government)</b> – Project Engineer. Developed roadway design for offset alignment, H&V geometrics, hydraulics, 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.
12/22 – Ongoing	<b>S.P. H.015025, McIn Road over Darling Creek, St. Helena Parish, LA (LADOTD)</b> – 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. Accelerated design schedule.
07/17 – 09/18 <i>(previous employer)</i>	<b>S.P. H.011540, Babin Road Bridge/Bayou Narcisse, Ascension Parish, LA (LADOTD)</b> – Engineering Support. Assisted with H&V geometrics, roadway drainage design, roadway and bridge plan production, Inroads modeling, quantity calculations for the 3-span Off-System bridge near Gonzales, LA.
04/20 – 04/22 <i>(previous employer)</i>	<b>S.P. H.013953, McManus Road Bridge/Cypress Creek, Richland Parish, LA (LADOTD)</b> – Lead/Engineer of Record. 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.

## 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

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

<b>Experience dates (mm/yy–mm/yy)</b>	<b>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).</b>
02/17 – 08/19 <i>(previous employer)</i>	<b>S.P. H.011152, I-12 Widening (US 190 to LA 59), St. Tammany Parish, LA (LADOTD)</b> – Lead Bridge Design Engineer/Engineer of Record. Performed all bridge design tasks associated with the widening of the <b>I-12 bridges over the Tammany Trace</b> 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.
09/18 – 12/23 <i>(previous employer)</i>	<b>S.P. H.001344, US 190: LA 437 to US 190 (BUS) (Ph. 1), St. Tammany Parish, LA (LADOTD)</b> – Bridge Project Engineer. 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 <b>1485-foot-long bridge over the Bouge Falaya River</b> 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 <i>(previous employer)</i>	<b>S.P. H.013116, LA 20 Widening (LA 307 to S. Vacherie), St. James and Lafourche Parishes, LA (LADOTD)</b> – Lead Bridge Design Engineer. Performed all bridge design tasks for the widening of LA 20 including <b>bridge replacement using split-phase construction</b> 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.
06/17 – 07/19 <i>(previous employer)</i>	<b>MA-17-01, Roddy Road Widening (LA 935 to LA 621), Ascension Parish (Ascension Parish Government)</b> – Bridge Project Engineer. Responsible for bridge design including development of TS&L, superstructure and substructure design, LRFR, bridge plan production of a 120’ long, 34’ clear, RC slab span bridge in Gonzales, LA.
02/18 – 10/19 <i>(previous employer)</i>	<b>West 11th Ave. Bridge/Mile Branch Creek, St. Tammany Parish, LA (City of Covington)</b> – Bridge Project Engineer. Performed LRFR, bridge inspection and Quality Control reviews on bridge plans for the replacement of a 5-span, 100’ long, 24’ clear width reinforced concrete slab bridge and roadway approach reconstruction on W. 11th Avenue in Covington, LA. Bridge included special bents for precast and CIP deck options to accommodate utilities, tapered rails and subsurface drainage.

## 16. Staff Experience:

<p>02/17 – 04/18 (previous employer)</p>	<p><b>S.P. H.010724, Pecan Island Road Bridge over The Chenal, Pointe Coupee Parish, LA (LADOTD)</b> – Bridge Design Project Engineer. Responsible for bridge design of entire structure including CIP or Precast special 25' slab spans and bents founded on Steel Pipe Piles utilizing Bentley STAAD and LEAP CONSPAN, prepared bridge details and oversaw bridge plan production for Final Plans, performed As-Designed LRFR utilizing AASHTOWare BrR 6.8 (Virtis) for the 150' long bridge replacement project in Pointe Coupee parish for the off-system bridge replacement program.</p>
<p>02/17 – 04/18 (previous employer)</p>	<p><b>S.P. H.010557, Lajaunie Road/Lateral 1 Bayou St. Clair, Lafayette Parish, LA (LADOTD)</b> – Lead Bridge Design Engineer. Performed all bridge design tasks for the replacement of the existing bridge with a 3-span, curved, superelevated Quad Beam structure using various programs for superstructure and substructure including LEAP CONSPAN and STAAD ProV8i, prepared foundation details, miscellaneous bridge details, designed bearings, prepared bridge plans and special provisions.</p>
<p>01/24 - Ongoing</p>	<p><b>S.P. H.015025, Mclin Road over Darling Creek, St. Helena Parish, LA (LADOTD)</b> – Bridge Design Project Engineer. 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.</p>
<p>01/24 - Ongoing</p>	<p><b>S.P. H.014993, Lemon Road over Drainage Bayou, East Baton Rouge Parish, LA (LADOTD)</b> – Bridge Design Project Engineer. Responsible for the bridge design elements of a 4-span, 28' clear width, concrete slab span bridge with a concrete tapered barrier railing on one corner utilizing STAAD and LEAP CONSPAN bridge design software programs. Reviewed bridge substructure details and performed As-Designed LRFR utilizing AASHTOWare BrR 7.4 of the bridge replacement in East Baton Rouge Parish as a part of the Off-System Bridge Replacement Program.</p>
<p>2010 – 2014 (previous employer)</p>	<p><b>Bridge Inspection &amp; Rating IDIQ, Statewide (INDOT)</b> – Project Engineer. Performed all phases of multiple county bridge inspection contracts ranging from \$100k to \$1MM, including assisting in routine and special feature bridge inspection (including fracture critical), performed modeling and analysis of bridge structures for LRFR using BrR and SACS, prepared field documentation and sketches, inputting field data into INDOT's Bridge Inspection Application System (BIAS). Structure types included timber, reinforced concrete, pre-stressed concrete girders and steel plate girders.</p>
<p>2010 – 2014 (previous employer)</p>	<p><b>US 31 Bridges, South Bend IN (INDOT)</b> – Project Engineer. Performed bridge design including modeling and analysis, design computations, quantity calculations, cost estimates and developed final plans for the design of the US 31 bridges including AASHTO Precast, Pre-stressed concrete girders, reinforced concrete slab spans, post-tensioned segmental concrete girders and steel plate girders.</p>
<p>2009 – 2010 (previous employer)</p>	<p><b>Marchand Bridge Rehabilitation &amp; Restoration (Historical), Evansville, IN (INDOT)</b> – Bridge &amp; Construction Inspector, Design. Performed bridge inspection, design and construction inspection of the restoration of the historic steel truss bridge built in 1891 for use as part of the Greenway Trails project. Restoration included painting and replacement of steel beams. Bridge has been converted to an overlook on the Ohio River.</p>

## 16. Staff Experience:

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

 <p><b>James P. Ledet, PE, F. ACEC</b> Quality Control Engineer</p>		<b>Years of relevant experience with this employer</b>	1.5
		<b>Years of relevant experience with other employer(s)</b>	44
<b>Degree(s) / Years / Specialization</b>		Bachelor of Science/1982/Civil Engineering	
<b>Active registration number / state / expiration date</b>		22428 / LA / 03/31/2024	
<b>Year registered</b>	1986	<b>Discipline</b>	P.E./Civil Engineering
<b>Contract role(s) / brief description of responsibilities</b>		Roadway and Bridge Design Quality Control Manager. Jimmy's experience meets MPR #4.	
<b>Experience dates (mm/yy–mm/yy)</b>	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
07/22 – Ongoing	<b>S.P. H.015333, H.015404, H.015407 – Tangipahoa IJA Bridge Replacements, Tangipahoa Parish, LA (LADOTD)</b> – 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 5 bridge sites Parish-wide in Tangipahoa with RC Slabs and RCB's.		
12/22 - Ongoing	<b>S.P. H.014992, McHugh Road over Brushy Bayou, East Baton Rouge Parish, LA (LADOTD)</b> – 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 structure using special 25' spans, special bents and cantilevered sidewalks for the replacement of the existing vehicular and pedestrian bridges near Baker, LA.		
12/22 - Ongoing	<b>S.P. H.015025, Mclin Road over Darling Creek, St. Helena Parish, LA (LADOTD)</b> – 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. <b>Accelerated design schedule.</b>		
05/15 – 08/17 <i>(previous employer)</i>	<b>S.P. H.004113, I-12 to Bush: LA 3241 (LA 435 to LA 40/41), St. Tammany Parish, LA (LADOTD)</b> – Senior Supervising Engineer. Supervision and oversight of roadway design including QC of hydraulic analysis, geometrics and supervision of plan production for the new 5.5-mile, four-lane RA-3 roadway from LA 435 to Bush, LA.		
11/13 – 11/18 <i>(previous employer)</i>	<b>S.P. H.010557, Lajaunie Road/Lateral 1 Bridge over Bayou St. Clair, Lafayette Parish, LA (LADOTD)</b> – 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	<b>Bridges Near Amite, Tangipahoa Parish, LA (Tangipahoa Parish)</b> – 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 three (3) bridge structures within Amite City, LA.		

## 16. Staff Experience:

11/10 – 06/14 <i>(previous employer)</i>	<b>S.P. 713-29-0103, Tiger Drive Bridge over Bayou Lafourche, Lafourche Parish, LA (LADOTD)</b> – 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.
03/10 – 05/14 <i>(previous employer)</i>	<b>S.P. 713-04-0002, LA 400 Bridge over Cancienne Canal, Assumption Parish, LA (LADOTD)</b> – Engineer of Record. Responsible for topographic surveying, roadway design including approaches, and bridge design, supervised roadway and bridge plan production including bridge details, roadway details for the 7-span off-system bridge replacement.
10/09 – 11/17 <i>(previous employer)</i>	<b>07-EXT-22, Bayou Gardens Blvd. Extension: LA 660 to LA 316, Terrebonne Parish, LA (Terrebonne Parish Consolidated Government)</b> – Engineer of Record (Ph. I)/Supervising Engineer (Ph. II). Responsible for topographic surveying, oversight of roadway design including drainage and geometrics, and oversight of 160’ RC Slab Span bridge design including special/curved spans for 1.6-mile, four-lane roadway extension (UA-2) including signal upgrades and turn lanes on state routes.
1997-2011 <i>(previous employer)</i>	<b>S.P. 713-55-0100, St. Ann Bridge Replacement, Terrebonne Parish, LA (LADOTD)</b> – 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.
02/05 – 05/08 <i>(previous employer)</i>	<b>S.P. 246-01-0054, Route LA 57: Grand Caillou Road, Terrebonne Parish, LA (LADOTD)</b> – 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.
11/99 – 01/01 <i>(previous employer)</i>	<b>S.P. 742-07-0019, Bayou Gardens Blvd. Widening: LA 659 to Alma St., Terrebonne Parish, LA (LADOTD)</b> – 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.
1994 – 1997 <i>(previous employer)</i>	<b>S.P. 413-01-0011, Hollywood Rd./LA 311 Intersection Improvements/Bridge Replacement, Terrebonne Parish, LA (LADOTD)</b> – Engineer of Record/Project Manager. Responsible for design of roadway, hydraulics, utility relocations, drainage improvements, bulkheads and bridge design services for intersection improvement and Off-System bridge replacement project.
1994 - 1995 <i>(previous employer)</i>	<b>S.P. 742-05-0042, Combon Bridge and Approaches, Terrebonne Parish, LA (LADOTD)</b> – 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 <i>(previous employer)</i>	<b>S.P. 700-26-100, Off-System Bridge Replacement Program, Lafourche Parish, LA (LADOTD)</b> – 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 <i>(previous employer)</i>	<b>S.P. 855-14-08 &amp; 65-90-23, LA 3087: Bridge over Bayou Terrebonne at East Street, Terrebonne Parish, LA (LADOTD)</b> – 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**

 <p><b>Luke Bourg</b> Senior Technician</p>		Years of relevant experience with this employer	1
		Years of relevant experience with other employer(s)	15
<b>Degree(s) / Years / Specialization</b>		Associate of Applied Science/Drafting and Design/2008	
<b>Active registration number / state / expiration date</b>		N/A	
<b>Year registered</b>	N/A	<b>Discipline</b>	N/A
<b>Contract role(s) / brief description of responsibilities</b>		Sr. Design Technician. Luke will be responsible for preparation of roadway and bridge plans.	
<b>Experience dates (mm/yy–mm/yy)</b>	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).		
09/16 – 08/21 <i>(previous employer)</i>	<b>S.P. H.011152, I-12 Widening (US 190 to LA 59), St. Tammany Parish, LA (LADOTD)</b> – 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. <b>Accelerated project schedule.</b>		
09/18 – 03/22 <i>(previous employer)</i>	<b>S.P. H.001344, US 190: LA 437 – US 190 BUS (Ph. 1), St. Tammany Parish (LADOTD)</b> – 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 <b>LG 54/LG36 bridge along the 1 mile for the 5-lane widening</b> section in Covington, LA.		
02/20 – 10/22 <i>(previous employer)</i>	<b>S.P. H.012812 US 190 at Northshore and Camp Villere, LADOTD, St. Tammany Parish, LA</b> – Senior Project Technician. Assisted in the development of Preliminary and Final Plans of a <b>multi-lane roundabout</b> 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 <i>(previous employer)</i>	<b>Contract No. 44-17598, Rural Bridge Replacement Initiative (Phase 1), LADOTD, Districts 04, 05, 08, and 58</b> – 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 <b>47 bridge sites included in this project</b> . Also responsible for the creation of all environmental exhibits to be used for SOV Packages, Wetland Delineations Reports, CE Documents and Permit Applications		
05/23 - Ongoing	<b>S.P. H.014992, McHugh Road over Brushy Bayou, East Baton Rouge Parish, LA (LADOTD)</b> – Sr. Project Technician. Responsible for roadway and bridge plan development, Microstation drafting and Inroads modeling of roadway corridor including sidewalks, preparation of plan/profile, typical sections, cross sections, geometric layouts and details. Prepared bridge plans including GPE, typical sections, foundation layouts and details of cantilevered sidewalks for the replacement of the existing vehicular and pedestrian bridges near Baker, LA.		

## 16. Staff Experience:

Firm employed by: Crescent Engineering & Mapping, LLC

 <p><b>Kelly G. Jones</b> Senior Technician</p>		Years of relevant experience with this employer	1.5
		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. Design Technician. Kelly will be responsible for preparation of roadway and bridge plans.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
02/19 – 04/20 <i>(previous employer)</i>	S.P. H.011152, I-12 Widening (US 190 to LA 59), St. Tammany Parish, LA (LADOTD) – Project Technician. Assisted with the preparation of roadway and bridge plans, temporary erosion control plans, summary of estimated quantities, quantity summary sheets, bridge quantity calculations, cost estimate preparation, title sheet and typical sections and details. Design completed under an <b>accelerated project schedule</b> .		
01/19 – 11/19 <i>(previous employer)</i>	S.P. H.004113, I-12 to Bush: LA 3241 (LA 435 to LA 40/41), St. Tammany Parish, LA (LADOTD) – Project Technician. Assisted with the preparation of roadway plans including typical sections, cross sections, detail sheets, summary of estimated quantities, quantity summary sheets, title sheet and performing advanced plan checks including Right of Way maps for the new 5.5-mile, four-lane rural roadway from LA 435 to Bush.		
11/19 – 09/20 <i>(previous employer)</i>	S.P. H.001344, US 190: LA 437 to US 190 BUS (Ph. 1), St. Tammany Parish (LADOTD) – Project Technician. Assisted with the preparation of roadway plans including utility relocation plans, detail sheets, summary of estimated quantities, quantity summary sheets, calculating roadway quantities, performing advanced plan checks of roadway plans vs. bridge plans, assisted with preparing cost estimates.		
04/22 - Ongoing	S.P. H.015333, Easley Road over Sweetwater Creek, Tangipahoa Parish, LA (Tangipahoa Parish) – Sr. Project Technician. Assisted with the preparation of roadway and bridge plan sheets including title sheet, typical sections, summary of estimated quantities, plan/profile sheets, reference points & benchmarks, embankment widening layout, general plan & elevation and foundation layout sheets for the spot replacement bridge along Easley Road over Sweetwater Creek.		
04/22 - Ongoing	S.P. H.015404, E. Lewiston Road over Wilson Branch, Tangipahoa Parish, LA (Tangipahoa Parish) – Sr. Project Technician. Assisted with the preparation of roadway and bridge plan sheets including title sheet, typical sections, summary of estimated quantities, plan/profile sheets, reference points & benchmarks, embankment widening layout, general plan & elevation and foundation layout sheets for the spot replacement bridge along E. Lewiston Road over Wilson Branch.		
04/22 - Ongoing	S.P. H.015407, Old Genessee Road Bridges, Tangipahoa Parish, LA (Tangipahoa Parish) – Sr. Project Technician. Assisted with the preparation of roadway and bridge plan sheets including title sheet, typical sections, summary of estimated quantities, plan/profile sheets, reference points & benchmarks, embankment widening layout, general plan & elevation and foundation layout sheets for the replacement of two structures, one concrete slab span bridge and one reinforced concrete box culvert, along Old Genessee Rd.		

## 16. Staff Experience:

Firm employed by: Neel-Schaffer, Inc.

<b>Nick Ferlito, Jr., PE, PTOE</b> Senior Vice President	 	<b>Years of relevant experience with this employer</b>	27
		<b>Years of relevant experience with other employer(s)</b>	3
<b>Degree(s) / Years / Specialization</b>	BS / 1993 / Civil Engineering; MS / 1996 / Civil Engineering		
<b>Active registration number / state / expiration date</b>	PE No. 28001 / LA / 09-30-2025; PTOE No. 930		
<b>Year registered</b>	1998	<b>Discipline</b>	Civil
<b>Contract role(s) / brief description of responsibilities</b>	MPR 6		
<b>Experience dates (mm/yy–mm/yy)</b>	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).		
1/15 – 1/23	<b>Various Traffic Impact Studies along LA 44</b> - Project Manager for multiple traffic impact studies for various developments along LA 44 which include Conway Plantation, Oak Lake Subdivision, Pelican Crossing Subdivision, Pelican Point Subdivisions and Love’s Travel Stop. As part of the Conway Plantation study, a roundabout was analyzed and recommended at the entrance of LA 44 and Conway Plantation and Oak Lake Subdivision which was later constructed under a DOTD permit. Our latest study, the Love’s Travel Stop, the interchange at LA 44 at I-10 was evaluated for existing and future conditions as a roundabout and with interim recommendations prior to the installation of roundabouts. Traffic data for the analysis was collected by Neel-Schaffer in 2022. Through our work on these private developments, Neel-Schaffer, Inc. has extensive knowledge of the LA 44 corridor from I-10 to LA 22 through. <b>We are very familiar with the struggles to determine cost effective traffic control at the intersection of LA 44 and Loosemoore Road due to minimum gaps for side street traffic to exit onto LA 44.</b> This roundabout corridor will greatly improve the access to and from Loosemoore Road.		
10/13 – 12/16	<b>LA 30 Stage 0, Gonzales, LA – Traffic &amp; Safety Study (S.P. No. 44-1862, T.O. H.010572.1)</b> PM for the traffic study, including a TIER analysis for new interchange concepts at I-10 at LA 30, as well as corridor improvements between LA 3251 and <b>LA 44</b> . Future traffic forecast for the study were developed using the CRPC Travel Demand model and considered future interchanges at I-10 and LA 74 and LA 429. The recommended TIER I alternatives were analyzed in detail using Vissim. <b>Includes Multilane Roundabout interchange</b>		
1/11 – 1/14	<b>LA 447 Corridor Study, Walker, LA (LA 16 to US 190) (S.P. No. 701-65-1534)</b> Project Manager for a traffic study to evaluate corridor improvements along LA 447 as well as interchange concepts at I-12. A TIER analysis was performed at the interchange of I-12 at LA 447 to evaluate various interchange configurations. The corridor analysis included HCS and Vissim analysis to evaluate RCUT and roundabout corridor concepts. <b>Includes multilane roundabouts</b>		
8/20 - Present	<b>I-10 &amp; I-12 College Drive Flyover Ramp Design Build, Baton Rouge, LA (H.013897)</b> Project Manager for Interchange Modification Report, <b>Transportation Management Plan (TMP)</b> and ITR of MOT Plans for the proposed College Drive Ramp improvements. The IMR was prepared in accordance with DOTD’s TEPR and FHWA Policy Points. The IMR analysis was performed using Vissim software. In addition, the TMP was prepared for the various maintenance of traffic phases. Analysis used in the TMP included HCS analysis for detour evaluations and Dynameq (Mesoscopic Modeling) for evaluating various MOT strategies.		

## 16. Staff Experience:

Firm employed by: Neel-Schaffer, Inc.

<b>Dishili Young, PE, PTOE</b> Vice President / Engineering Manager	 	<b>Years of relevant experience with this employer</b>	6
		<b>Years of relevant experience with other employer(s)</b>	15
<b>Degree(s) / Years / Specialization</b>	BS / 2002 / Civil Engineering; MS / 2018 / Civil Engineering		
<b>Active registration number / state / expiration date</b>	PE No. 33723 / LA / 09-30-2024		
<b>Year registered</b>	2008	<b>Discipline</b>	Civil
<b>Contract role(s) / brief description of responsibilities</b>	Road Design		
<b>Experience dates (mm/yy–mm/yy)</b>	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).		
01/20 - Present	<b>I-20: LA 544 Overpass Replacement, H.010616:</b> Ms. Young is managing the <b>preliminary and final design</b> 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 <b>roundabouts within a roundabout interchange with 2 roundabouts on a 3% longitudinal grade &amp; partially on bridge.</b> Includes a level 2 TMP		
04/18 - Present	<b>I-49 South at Verot School Road, S.P. No. H.011235.5:</b> Ms. Young is managing the design services for the interstate design and service road design (drainage, preliminary and final road design and TMP). This project which 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 <b>level 3 TMP. Includes a multilane roundabout</b>		
08/17 - 03/19	<b>Juban Road Widening, S.P.N. H.004634:</b> Ms. Young 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 <b>three multilane roundabouts</b> and two new frontage access roadways, with storm drainage sewer systems.		
08/2017 - present	<b>Mandeville Bypass - Mandeville, LA:</b> 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 is managing the roadway design services. Includes <b>multiple multilane roundabouts.</b>		
06/23 - present	<b>US 90: Roundabout at LA 101 H.015226:</b> <b>roundabout</b> intersection preliminary and final plans, drainage, sequence of construction and TMP.		
02/22 – Present	<b>W. Broussard Roundabout at Duhon Rd. (LA 724):</b> This project will construct a roundabout and required drainage improvements. Includes a <b>multilane roundabout.</b> Completed the horizontal and vertical alignments. Preliminary and Final Road Design		
12/22 – Present	<b>LA 89 @ Guillot Rd Improvements:</b> Existing drainage determination, proposed drainage design and plan preparation. Includes <b>roundabouts.</b> Preliminary and Final Road Design		

- **Worked on 70 Roundabouts in conformance with DOTD**
- **Has experience along LA 44 Corridor**

## 16. Staff Experience:

Firm employed by: **Neel-Schaffer, Inc.**

<b>Gary LeBlanc, PE</b> Project Engineer	 	<b>Years of relevant experience with this employer</b>	1
		<b>Years of relevant experience with other employer(s)</b>	23
<b>Degree(s) / Years / Specialization</b>		BS / 1994 / Civil Engineering	
<b>Active registration number / state / expiration date</b>		PE No. 28220 / LA / 09-30-2025	
<b>Year registered</b>	1999	<b>Discipline</b>	Civil
<b>Contract role(s) / brief description of responsibilities</b>		MPR 6 (road design and Traffic Design)	
<b>Experience dates (mm/yy–mm/yy)</b>	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
07/23 – Present	<b>US 90 Roundabout at LA 101:</b> 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 – Present	<b>East-West Connector (Winfield Road Congestion Relief):</b> 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. <b>Includes multilane Roundabouts.</b>		
12/23 - Present	<b>LA 384 Feasibility Study NS 18053 - QA/QC</b> Capacity analysis and supporting documents		
	<b>I-69 SUI 13 Road Design Services for ARDOT:</b> 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	<b>I-20: LA 544 Overpass Replacement, Lincoln Parish, LA:</b> 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 <b>four multilane roundabouts</b> . This project includes a level 2 <b>TMP</b> . Project includes line and grade tasks (establish design criteria, develop typical sections, horizontal geometry, vertical geometry). QA/QC		
04/22 – Present	<b>I-49 South at Verot School Road:</b> 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.		
07/22 – Present	<b>W. Broussard Roundabout at Duhon Rd. (LA 724):</b> This project will construct a roundabout and required drainage improvements. Includes roundabout. Completed the horizontal and vertical alignments (Preliminary and final design).		

## 16. Staff Experience:

Firm employed by: **Neel-Schaffer, Inc.**

<b>Mai Nguyen, PE</b> Roadway Design Engineer	 	<b>Years of relevant experience with this employer</b>	8
		<b>Years of relevant experience with other employer(s)</b>	7
<b>Degree(s) / Years / Specialization</b>		BS / 2008 / Civil Engineering	
<b>Active registration number / state / expiration date</b>		PE No. 38189 / LA / 03-31-2024	
<b>Year registered</b>	2013	<b>Discipline</b>	Civil
<b>Contract role(s) / brief description of responsibilities</b>		Road Design	
<b>Experience dates (mm/yy–mm/yy)</b>	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).		
01/20 – Present	<b>I-20: LA 544 Overpass Replacement, Lincoln Parish, LA:</b> lead for road design <b>preliminary and final design</b> services for this project, which will replace the LA 544 Overpass <b>diamond interchange with a diamond multilane roundabout interchange on a 3% longitudinal grade</b> . The new bridge over I-20 will include sidewalks and <b>four multilane roundabouts</b> . This project includes a <b>level 2 TMP</b> .		
06/23 - present	<b>US 90: Roundabout at LA 101 H.015226:</b> <b>roundabout</b> intersection preliminary and final plans, drainage, sequence of construction and TMP.		
9/22 – Present	<b>E. Milton Ave Improvements, Lafayette Parish, LA:</b> This project will widen an existing <b>roundabout</b> 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. Ms. Nguyen 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 <b>preliminary and finals plans</b> .		
02/22 – Present	<b>W. Broussard Roundabout at Duhon Rd. (LA 724):</b> This project will construct a <b>roundabout</b> and required drainage improvements. Review of design, assist with plan production. <b>Preliminary plans</b> completed. <b>Final design</b> ongoing.		
12/22 – Present	<b>LA 89 @ Guillot Rd Improvements:</b> Existing drainage determination, proposed drainage design and plan preparation. Includes <b>roundabout</b> .		
08/22 – Present	<b>LA 89 at Chemin Metairie Parkway, Youngsville, LA:</b> This project will provide a new two-lane connector roadway with drainage between Chemin Metairie Parkway and LA 89. Ms. Nguyen is working on the roadway design for the City of Youngsville. Project includes preliminary and final plans.		
1/11 – 1/14	<b>LA 447 Corridor Study, Walker, LA (LA 16 to US 190) (S.P. No. 701-65-1534)</b> A corridor study to evaluate corridor improvements along LA 447 between LA 16 and burgess Ave. Project included the interchange at I-12. Includes <b>multilane roundabouts</b>		
09/14 - 08/15	<b>LA 16: Roundabout @ LA 447, Livingston, LA. S.P. No. H.010124</b> - Responsible for developing <b>roundabout preliminary roadway plans</b> 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.		

## 16. Staff Experience:

Firm employed by: Neel-Schaffer, Inc.

<b>Chance Shuckrow, PE</b> Project Engineer	 	Years of relevant experience with this employer	9
		Years of relevant experience with other employer(s)	0
<b>Degree(s) / Years / Specialization</b>		BS / 2014 / Civil Engineering	
<b>Active registration number / state / expiration date</b>		PE No. 42746 / LA / 03-31-2025	
<b>Year registered</b>	2018	<b>Discipline</b>	Civil
<b>Contract role(s) / brief description of responsibilities</b>		Road Design	
<b>Experience dates (mm/yy–mm/yy)</b>	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
06/23 - present	<b>US 90: Roundabout at LA 101 H.015226: roundabout</b> intersection preliminary and final plans, drainage, sequence of construction and TMP.		
05/22 – Present	<b>E. Milton Ave. Improvements, Youngsville, LA:</b> 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 <b>drainage design</b> and QA/QC on line and grade, roadway design.		
08/22 – Present	<b>LA 89 at Chemin Metairie Parkway, Youngsville, LA:</b> This project will provide a new two-lane connector roadway with drainage between Chemin Metairie Parkway and LA 89. Project includes <b>preliminary and final plans and roadway drainage</b> .		
12/22 – Present	<b>LA 89 @ Guillot Rd Improvements:</b> Existing drainage determination, proposed drainage design and plan preparation. Includes roundabouts. Included tasks similar to a line and grade		
02/22 – Present	<b>W. Broussard Roundabout at Duhon Rd. (LA 724):</b> This project will construct a roundabout and required drainage improvements. Includes <b>roundabout</b> . Technical lead and engineer of record.		
10/22 – Present	<b>Velasco Crossing, Youngsville, LA:</b> This project will provide a new two-lane connector roadway with drainage between Chemin Metairie Parkway and the Existing Velasco Crossing. Project <b>includes preliminary and final plans and roadway drainage</b> .		
06/13 – Present	<b>Stage 0 Feasibility Study Modern Roundabouts, Lafayette, LA:</b> Road alignment, <b>roundabout</b> layout, and design, preparing cost estimates. The project includes over 20 roundabout intersections.		
01/11 – 01/14	<b>LA 447 Corridor Study (LA 16 to US 190), Walker, LA:</b> 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 <b>multilane roundabout</b> .		
08/14 – 03/19	<b>Juban Road (LA 1026) Widening, Livingston Parish, LA:</b> Final design for reconstruction of Juban Rd as a four-lane median divided roadway with multilane <b>roundabouts</b> intersections and a shared use path. Completed vertical and horizontal alignments and modeled the project with Bentley software, assisted with the drainage design and preparation of plans.		
09/15 – Present	<b>LA 27 Left Turn Lanes for Cameron LNG Plant in Cameron Parish, LA:</b> Assisted in roadway design, development of alignments, modeling, and preparation of plans.		

## 16. Staff Experience:

Firm employed by: Neel-Schaffer, Inc.

<b>Scott Andrepont, PE</b> Project Engineer	 	<b>Years of relevant experience with this employer</b>	11
		<b>Years of relevant experience with other employer(s)</b>	4
<b>Degree(s) / Years / Specialization</b>	BS / 2005 / Civil Engineering; MS / 2007 / Civil Engineering		
<b>Active registration number / state / expiration date</b>	PE No. 37107 / LA / 09-30-2024		
<b>Year registered</b>	2012	<b>Discipline</b>	Civil
<b>Contract role(s) / brief description of responsibilities</b>	Road Design		
<b>Experience dates (mm/yy–mm/yy)</b>	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
09/22 – Present	<b>E. Milton Ave Improvements, Lafayette Parish, LA:</b> 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, as well as <b>preliminary and finals plans</b> .		
02/22 – Present	<b>W. Broussard Roundabout at Duhon Rd. (LA 724):</b> This project will construct a roundabout and required drainage improvements. Includes roundabout. Design services. <b>Preliminary</b> plans completed. <b>Final</b> design ongoing.		
12/22 – Present	<b>LA 89 @ Guillot Rd Improvements:</b> Existing drainage determination, proposed drainage design and plan preparation. Includes roundabouts. Included tasks similar to a line and grade, preliminary and final design included.		
08/22 – Present	<b>LA 89 at Chemin Metairie Parkway, Youngsville, LA:</b> This project will provide a new two-lane connector roadway with drainage between Chemin Metairie Parkway and LA 89. Project includes <b>preliminary and finals plans</b> .		
1/11 – 1/14	LA 447 Corridor Study, Walker, LA (LA 16 to US 190) (S.P. No. 701-65-1534) A corridor study to evaluate corridor improvements along LA 447 between LA 16 and burgess Ave. Project included the interchange at I-12. Includes <b>multilane roundabouts</b> .		
09/09 – 08/12	<b>LA 182 (North University Avenue) Widening, I-10 to West Pont des Mouton Road - Stage 0 Feasibility Study and Environmental Assessment (EA) Route, Lafayette Parish (Lafayette Consolidated Government (LCG):</b> Road alignment, preparing scope for utility and topographic survey, roundabout layout and design, and plan preparation. Project Engineer. Includes <b>roundabouts</b> .		
11/19 - Present	<b>IDIQ Contract for Design of Safety Projects (Districts 02, 61 &amp; 62):</b> This project will provide 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. Mr. Andrepont is assisting with the roadway and drainage plan production and design.		
09/09 – 08/12	<b>N. University Ave. Widening – Lafayette, LA:</b> Road alignment, preparing scope for utility and topographic survey, <b>roundabout</b> layout and design, and plan preparation. Project Engineer		

## 16. Staff Experience:

Firm employed by: Neel-Schaffer, Inc.

<b>Joshua Schexnider, PE</b> Project Engineer		<b>Years of relevant experience with this employer</b>	6.5
		<b>Years of relevant experience with other employer(s)</b>	14
<b>Degree(s) / Years / Specialization</b>		BS / 2016 / Civil Engineering; BS / 2000 / General Studies	
<b>Active registration number / state / expiration date</b>		PE No. 45891 / LA / 03-31-2024	
<b>Year registered</b>	2021	<b>Discipline</b>	Civil
<b>Contract role(s) / brief description of responsibilities</b>		Road Design	
<b>Experience dates (mm/yy–mm/yy)</b>	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 – Present	<b>I-20: LA 544 Overpass Replacement, Lincoln Parish, LA:</b> NSI is completing the <b>preliminary and final design</b> 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 <b>four multilane roundabouts</b> . This project includes a <b>level 2 TMP</b> .		
06/22 – Present	<b>W Broussard Road @ Duhon Road Roundabout Design:</b> Existing drainage determination, proposed drainage design and plan preparation. Includes roundabouts. <b>Preliminary plans</b> completed. <b>Final design</b> ongoing.		
09/22 – Present	<b>E. Milton Ave Improvements, Lafayette Parish, LA:</b> 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, as well as <b>preliminary and finals plans</b> .		
08/22 – Present	<b>LA 89 at Chemin Metairie Parkway, Youngsville, LA:</b> This project will provide a new two-lane connector roadway with drainage between Chemin Metairie Parkway and LA 89. Project includes <b>preliminary and finals plans</b> .		
12/22 – Present	<b>LA 89 @ Guillot Rd Improvements:</b> Existing drainage determination, proposed drainage design and plan preparation. Includes roundabouts. Included tasks similar to a line and grade		
04/18 – Present	<b>I-49 South at Verot School Road – Lafayette, LA:</b> Mr. Schexnider is providing design support for the road design for this project which will construct 2.4 miles of mainline freeway, an interchange at the intersection of I-49 South/US 90 and Verot School Road, and a <b>roundabout</b> . Project involves at grade railroad crossings. Engineering Intern		
10/19 – Present	<b>East Mandeville Bypass – St. Tammany Parish:</b> This project will construct a new 2-mile four lane median divided roadway with <b>multilane roundabouts</b> intersections at LA 1088 and US 190. Engineering Intern Includes roundabout.		
08/16 – Present	<b>Southcity Parkway Extension – Lafayette, LA:</b> Assisted in preparation of plans. Engineering Intern. Project includes <b>3 multilane roundabouts</b> .		
05/16 – 07/16	<b>Juban Road (LA 1026) Widening, Livingston Parish, LA:</b> Assisted in preparation of plans. Engineering Intern. This project includes <b>roundabouts</b> .		
02/17 – Present	<b>US 90 Bridges Environmental Assessment, St. Tammany Parish, LA:</b> Assisted with preparation of plans. Includes a <b>roundabout</b> .		

## 16. Staff Experience:

Firm employed by: Neel-Schaffer, Inc.

<b>Jeanne Zeringue, EI</b> Engineer Intern	 	<b>Years of relevant experience with this employer</b>	1
		<b>Years of relevant experience with other employer(s)</b>	6
<b>Degree(s) / Years / Specialization</b>		BS / 2017 / Civil Engineering	
<b>Active registration number / state / expiration date</b>		EI No.33366 / LA / 09-30-2025	
<b>Year registered</b>	2017	<b>Discipline</b>	Civil
<b>Contract role(s) / brief description of responsibilities</b>		Road Design	
<b>Experience dates (mm/yy–mm/yy)</b>	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).		
03/23-08/23	<b>LWI Round 2 Funding, City of Scott and City of New Iberia, LA:</b> Prepared LWI funding applications for Round 2 for proposed detention facilities in the City of Scott and the City of New Iberia. This included preparation of cost estimates, proposed site drawings, and analysis of existing hydraulic models. Coordination with LWI included volunteering for a sub-committee to determine project ranking criteria based on project information including location, permitting needs, modeled benefits, and community need.		
07/22-10/23	<b>Westward Heights Drainage Improvements, City of Scott, LA:</b> Assisted in preparation of RFI responses to FEMA for a proposed drainage improvement project in the City of Scott to replace approximately 1,100 feet of existing subsurface drainage and implement a local detention facility to reduce repetitive losses experienced in this area of the community due to flooding. Hydraulic models were used in preparation of a FEMA based Benefit Cost Analysis to ensure the projects BCA rating would meet the requirements set by FEMA to secure project funding. During this time coordination with FEMA and GOHSEP was required to iron out modeling inconsistencies between the existing adopted FEMA model and the proposed model updated per design chosen. The City was able to move forward with Phase 1 funding including drainage design plan preparation.		
07/22-10/23	<b>Jefferson Parish (LA) Grant Applications:</b> Assisted the parish in FEMA grant applications for HMGP and BRIC programs for numerous projects, including hardening of critical facilities, improvements to sewer mains and sewerage lift station for multiple locations, and other projects to improve the parish’s resiliency during severe storm events. Also assisted the parish in grant management, RFI responses to FEMA, and coordination with the assigned State Applicant Liaison to ensure all application information including cost estimates and proposed scope of works are in line with the requirements. Preparation of cost estimate for these projects were also prepared during this time. Grant application assistance included the preparation of FEMA toolkit-based Benefit Cost Analysis for each individual grant application.		
09/22-08/23	<b>St. Martin (LA) Parish Grant Assistance:</b> Assisted the parish in FEMA grant applications for HMGP and BRIC programs for various projects such as residential elevations and roadway elevations. Both the residential and roadway locations in these applications were proposed to raise the finished floor and roadway elevations to be above that of the FEMA base flood elevations to reduce repetitive losses in these particular areas. Grant application assistance included the preparation of FEMA toolkit-based Benefit Cost Analysis for each individual grant application.		

## 16. Staff Experience:

Firm employed by: Vectura Consulting Services, LLC

Sheelagh Brin Ferlito, PE, PTOE Principal		Years of relevant experience with this employer	8
		Years of relevant experience with other employer(s)	27
Degree(s) / Years / Specialization		B.S. / 1988 / Civil Engineering	
Active registration number / state / expiration date		PE.0025383 / LA 9/30/2025	
Year registered	1993	Discipline	Civil
Contract role(s) / brief description of responsibilities		Traffic Control Design / Temporary Traffic Signal Analysis and Design QC	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
07/21 - current	<b>H.007160 - EBR Computerized Traffic Signal, Phase VB (Baton Rouge, LA)</b> Brin is the task leader for Vectura for the Construction Engineering and Inspection of 24 traffic signals. Brin oversaw the review of signal mast arm shop drawings to assist the City-Parish of Baton Rouge in accepting the manufactured poles. Brin and Reece, with the DOTD, City-Parish and the Contractor conducted field visits to confirm pole foundation locations.		
07/19 – current	<b>MOVEBR New Capacity Projects Program Management (Baton Rouge, LA)</b> Brin is the lead traffic engineer for entire the New Capacity Projects program management team. All traffic engineering scope of services, traffic / speed data collection, traffic design studies, safety studies, and traffic signal design plans are reviewed by Brin. She is in constant communication with the Traffic Engineering staff of DOTD and EBR Traffic Engineering Department. She understands the current requirements for all aspects of traffic engineering projects.		
07/19 – current	<b>H.004791 DOTD Belle Chasse Bridge &amp; Tunnel Replacement PPP (Belle Chasse, LA)</b> Brin is the project manager for the temporary and permanent traffic signal plans for the intersections of LA 23 at Burmaster St and at Engineers Rd. She based her traffic signal plans on design year volumes that were developed using growth rates from the New Orleans Regional Planning Commission Travel Demand Model. This project is the first ever Public-Private-Partnership performed by Louisiana DOTD.		
04/18 – 06/21	<b>H.011909.5-4 Roundabout: US 171 at Boone St. (Vernon Parish)</b> Brin reviewed 60 Percent Preliminary Signing and Striping Plans and developed documented comments based on LADOTD Road Design Manual, LADOTD Standard Details and MUTCD. She is also the project manager for the design of temporary traffic signal plans that will be implemented during the roundabout construction at the intersection of US 171 at Boone Street in Leesville, LA. She coordinated access management issues using aerials, aged traffic volumes and Synchro Software.		
09/20 – 12/21	<b>H.010960.5 LA 30 Roundabouts at Tanger I-10 (Ascension Parish, LA)</b> Brin is the project manager for the design of temporary traffic signal plans that will be implemented during the roundabout construction along LA 30 in Gonzales, LA. The project involves replacing three existing signalized intersections with multilane roundabouts along LA 30 at I-10 Interchange ramps and at the Tanger Boulevard. Vectura also developed signal timing plans for each phase of the construction to maintain progression along LA 30.		

## 16. Staff Experience:

Firm employed by: Vectura Consulting Services, LLC				
<b>Laurence Lucius Lambert, II,</b> <b>PE, PTOE, PTP</b> Principal			<b>Years of relevant experience with this employer</b>	8
			<b>Years of relevant experience with other employer(s)</b>	18
<b>Degree(s) / Years / Specialization</b>		B.S./1997/Civil Engr. M.S./2006/Civil Engr. (Transportation focus) M.B.A./2010		
<b>Active registration number / state / expiration date</b>		PE.0029901 / LA / 3/31/2024		
<b>Year registered</b>	2001	<b>Discipline</b>	Civil	
<b>Contract role(s) / brief description of responsibilities</b>		TMP QC		
<b>Experience dates (mm/yy–mm/yy)</b>	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).			
02/21 - 03/21	<b>H.013256.5 I-10 ITS Scott to Lake Charles (Southwest Louisiana)</b> Laurence was the lead traffic engineer for a Level 2 Traffic Management Plan (TMP) for the construction of ITS equipment along I-10. The plan included a safety strategy that included a CAT Scan, LOS determination utilizing Citrix data, lane closure recommendations based on a queue analysis and public information strategies.			
07/22 – 09/22	<b>H.013716.5 – US 167: Camellia Blvd – Churchill Dr (Lafayette, LA)</b> Pedestrian Count Study Laurence developed a technical memorandum as part of a DOTD Safety IDIQ contract to document if an approach at a signalized intersection met the warrants listed in the Traffic Engineering Manual Sections 3B.2.4 and 3B.2.8 for a pedestrian marked crosswalk.			
07/19 – current	<b>MOVEBR New Capacity Projects Program Management (Baton Rouge, LA)</b> At the beginning of the program, Laurence worked with the Capital Region Planning Commission to produce measures of effectiveness from the travel demand model to prioritize the MOVEBR project list. Laurence and Pong Wu developed a list of vehicle miles traveled, V/C ratios and vehicles hours of delay. Laurence also developed specifications of Rectangular Rapid Flashing Beacons (RRFB) for the City of Baton Rouge.			
04/18 – 12/21	<b>H.010960.5 LA 30 Roundabouts at Tanger &amp; I-10 Gonzales (Ascension, LA)</b> Laurence provided a Quality Control review of the temporary construction and sequence of construction plans. Vectura also provided Quality Control review of signing and striping plans at 30% and 60% plan sets to ensure the roundabouts conformed to the Pavement Markings Details Sheet PM-09 and the MUTCD details on roundabouts.			
04/18 – 12/21	<b>H.011909.5-4 Roundabout: US 171 at Boone St. (Vernon Parish, LA)</b> Laurence provided a Quality Control review of the temporary construction and sequence of construction plans. Vectura also provided Quality Control review of signing and striping plans at 30% and 60% plan sets to ensure the roundabouts conformed to the Pavement Markings Details Sheet PM-09 and the Manual on Uniform Traffic Control Devices (MUTCD) details on roundabouts.			
02/20 – 09/21	<b>College Drive Corridor Enhancement from Perkins Road to I-10 (Baton Rouge, LA)</b> Laurence was the project manager to develop Chapter 1 (Data Collection), Appendix A (Initial Data Collection), and Appendix B (Final Data Collection) for proposed improvements College Drive. Since the I-10 interchange was included in the study, approval from DOTD was required. Vectura collected, turning movement counts, 85% speed data, travel time runs, queue measurements, field observations, verification of Traffic Signal Inventories, and bicycle / pedestrian / transit observations.			

# SECTION 17



Bayou Gardens Blvd. over St. Louis Bayou  
Houma, LA  
Engineer of Record: Dennis Hymel, Jr., PE

## 17. Firm Experience:

<b>Firm name</b>	<b>Crescent Engineering &amp; Mapping, LLC</b>			<b>Past Performance Evaluation Discipline(s)*</b>	Road
<b>LA 3127 Widening (LA 20 to LA 3213)</b>				<b>Firm responsibility (prime or sub?)</b>	Prime
<b>Project number</b>	TBD	<b>Owner's name</b>	St. James Parish Government		
<b>Project location</b>	Vacherie, LA	<b>Owner's Project Manager</b>	Ryan Larousse		
<b>Owner's address, phone, email</b>	5800 LA Hwy 44, Convent, LA 70723 225-206-1379 ryan.larousse@stjamesparishla.gov				
<b>Services commenced by this firm (mm/yy)</b>	04/22	<b>Total consultant contract cost (\$1,000's)</b>	\$1,525		
<b>Services completed by this firm (mm/yy)</b>	Ongoing	<b>Cost of consultant services provided by this firm (\$1,000's)</b>	\$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, and contract management. 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, roadside drainage, **Level 3 TMP, roadway/roundabout design elements, inroads modeling, utility coordination**, permit drawings and agency coordination, subconsultant coordination, and plan production for Preliminary and Final plans. The project's design and drawings are also being developed per LADOTD design guidelines and plan requirements using Microstation/Inroads. Construction cost is estimated at over \$12 million. Crescent has completed all surveying and traffic studies associated with the intersection improvements and is currently working on the 60% Preliminary Plans, which are due in March 2024.

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



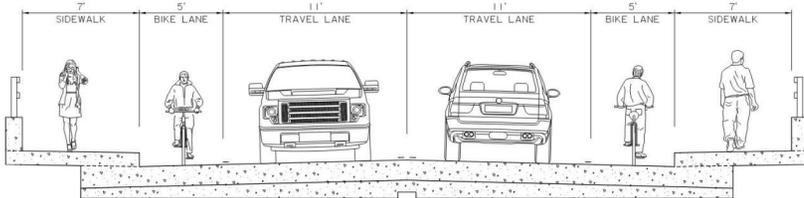
## 17. Firm Experience:

<b>Firm name</b>	<b>Crescent Engineering &amp; Mapping, LLC</b>			<b>Past Performance Evaluation Discipline(s)*</b>	Road, Bridge
<b>McHugh Road over Brushy Bayou</b>				<b>Firm responsibility (prime or sub?)</b>	Prime
<b>Project number</b>	H.014992	<b>Owner's name</b>	Louisiana Department of Transportation & Development (LADOTD)		
<b>Project location</b>	Baker, LA	<b>Owner's Project Manager</b>	Barbara Ostuno, P.E.		
<b>Owner's address, phone, email</b>	1201 Capitol Access Rd., Baton Rouge, LA 70802 225-379-1047 barbara.ostuno@la.gov				
<b>Services commenced by this firm (mm/yy)</b>	12/22	<b>Total consultant contract cost (\$1,000's)</b>		\$147	
<b>Services completed by this firm (mm/yy)</b>	Ongoing	<b>Cost of consultant services provided by this firm (\$1,000's)</b>		\$135	

The McHugh Road over Brushy Bayou project involves the replacement of an existing 24' x 57', 3-span concrete bridge and adjacent shared use pedestrian/bicycle path in East Baton Rouge Parish near Baker, LA. Included in this urban project are associated roadway and sidewalk/pedestrian facilities. The replacement structure will include 7' wide cantilever sidewalks and 5' bike lanes on both sides of the bridge structure. The project includes topographic surveys, bridge design, roadway design, and environmental. The bridge structure is 32' clear, skewed **23' RC slab spans in order to mitigate major utility conflicts**. The bridge is being designed using OpenBridge Designer, STAAD, and LRFR using AASHTOWare BrR.

Crescent Engineering & Mapping, LLC is the prime consultant for the project and is responsible for the topographic surveys, hydraulic analysis, roadway design, special bridge design, sidewalk/bike path design, and roadway/bridge plan production. Hydraulic analysis was performed using GeoHEC-RAS as well as LADOTD HYDRWIN programs for storm drainage networks. All LADOTD design criteria, Complete Streets policies and plan production requirements including Bentley Microstation/Inroads and CadConform are being followed per LADOTD contract requirements. Crescent has completed survey, hydraulics, roadway/bridge design and Preliminary Plans. Final Plans will begin after NEPA clearance is obtained.

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



## 17. Firm Experience:

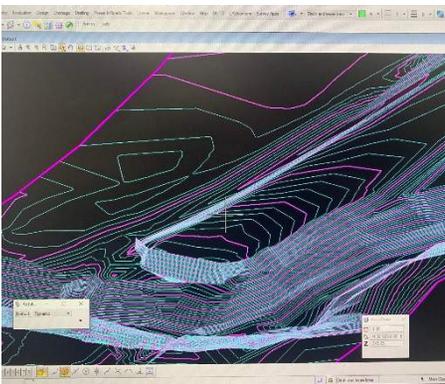
<b>Firm name</b>	<b>Crescent Engineering &amp; Mapping, LLC</b>			<b>Past Performance Evaluation Discipline(s)*</b>	Road, Bridge
<b>Tangipahoa IJA Bridge Replacements</b>				<b>Firm responsibility (prime or sub?)</b>	Prime
<b>Project number</b>	H.015404, H.015407, H.015333	<b>Owner's name</b>	Tangipahoa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

The Tangipahoa Parish IJA Bridges is part of the District 62 IJA (BIL) bridge replacement project and involves the replacement of 4 bridge structures on E. Lewiston, Easley and Old Genessee 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.

Crescent has completed the topographic surveys, hydraulic analysis, road design, bridge design and Preliminary Plans. Categorical Exclusion Documents have been submitted to DOTD for all three projects and are pending approval. The Final Geotechnical Data Report, including Geotechnical Exploration Logs, have been submitted for all three projects.

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



## 17. Firm Experience:

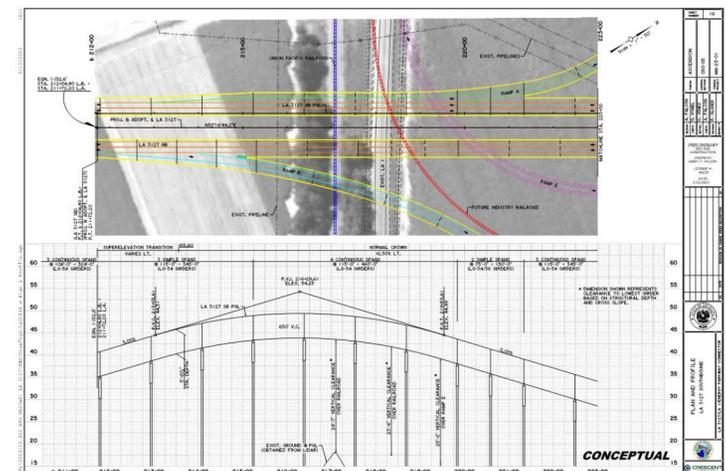
<b>Firm name</b>	Crescent Engineering & Mapping, LLC		<b>Past Performance Evaluation Discipline(s)*</b>	Road, Bridge
<b>LA 3127 Extension (LA 70 to LA 1)</b>			<b>Firm responsibility (prime or sub?)</b>	Prime
<b>Project number</b>	H.015688	<b>Owner's name</b>	Ascension Parish Government	
<b>Project location</b>	Donaldsonville, LA	<b>Owner's Project Manager</b>	Daniel Helms, P.E.	
<b>Owner's address, phone, email</b>	615 E. Worthey Street, Gonzales, LA 70737 225-450-1013 daniel.helms@apgov.us			
<b>Services commenced by this firm (mm/yy)</b>	09/21	<b>Total consultant contract cost (\$1,000's)</b>	\$156	
<b>Services completed by this firm (mm/yy)</b>	Ongoing	<b>Cost of consultant services provided by this firm (\$1,000's)</b>	\$156	

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 to the existing LA 3127 at LA 70 to LA 1 north of Donaldsonville at the Riverplex Multi-Modal Mega-Park Industrial site ne McCall, LA. The roadway will 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 widening an existing AASHTO Type III girder bridge over Bayou Lafourche, a 180' long, LG-36 girder bridge, and four (4) other bridge sites consisting of reinforced concrete slab spans. The four-lane roadway will connect to LA 1 with a 2,240 foot-long LG45 & LG54 structure over the Union Pacific Railroad coupled with the relocation of approximately 1.5 miles of LA 1, braided ramps and a 1980 foot-long LG36/45 bridge. The project will be delivered in three phases (two lane roadway, partial interchange, 4-lane roadway and full interchange).

The project involves a Stage 0 Feasibility Study, NEPA document (Environmental Assessment) including line and grade study, geometrics, wetland delineations, Historical and Archeological studies, traffic study, Threatened and Endangered species, air and noise studies, route feasibility and cost comparisons, topographic surveys, SUE, roadway, and bridge design. A main project challenge involves numerous underground utilities, mostly industrial pipelines, which exist throughout the corridor. **Over 40 pipelines will be crossed by the project's roadway sections** or bridge structures and the relocation of nearly half of these is being **mitigated by design features**.

Crescent is the prime consultant for the overall project's design delivery and is currently providing supplemental services for the traffic study, agency coordination and oversight of the Environmental Assessment. Crescent has completed the bridge TS&L for the 3127 Ext./LA 1 interchange and will begin the preliminary plans for Phase I (LA 70 to LA 308) in March 2024.

**Team Members Highlighted in this Proposal:** Dennis M. Hymel Jr., P.E., Abbey Falcon, P.E., Paul Olivier, P.E., Kelly Jones, James Ledet, P.E.



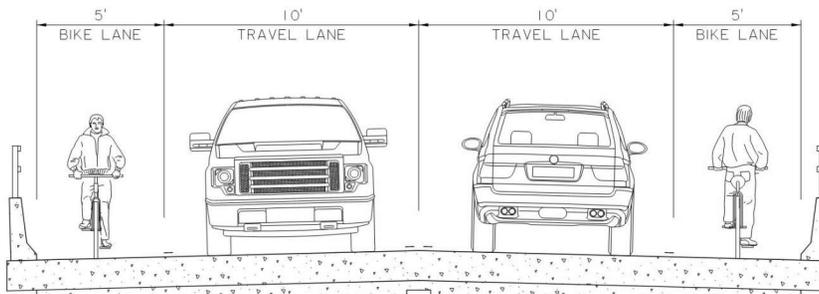
## 17. Firm Experience:

<b>Firm name</b>	Crescent Engineering & Mapping, LLC		<b>Past Performance Evaluation Discipline(s)*</b>	Road, Bridge
<b>Rousseau Rd. over Tchefuncte River</b>			<b>Firm responsibility (prime or sub?)</b>	Prime
<b>Project number</b>	EN22000181	<b>Owner's name</b>	St. Tammany Parish Government	
<b>Project location</b>	Covington, LA	<b>Owner's Project Manager</b>	Jason Cambre, P.E.	
<b>Owner's address, phone, email</b>	21454 Koop Drive, Mandeville, LA 70471 985-898-2552 jpcambre@stpgov.org			
<b>Services commenced by this firm (mm/yy)</b>	05/22	<b>Total consultant contract cost (\$1,000's)</b>		\$249
<b>Services completed by this firm (mm/yy)</b>	Ongoing	<b>Cost of consultant services provided by this firm (\$1,000's)</b>		\$192

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 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 6-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 and contract management. 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 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 due to anticipated federal funding. **Phased construction of the bridge** is required since the structure serves as the only access to a residential/commercial area beyond the Tchefuncte River. Due to the condition of the existing structure, Crescent was 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 have been provided to St. Tammany Parish. Crescent has completed all tasks through the Preliminary Plan stage including R/W Maps. Final Plans are due May 2024.

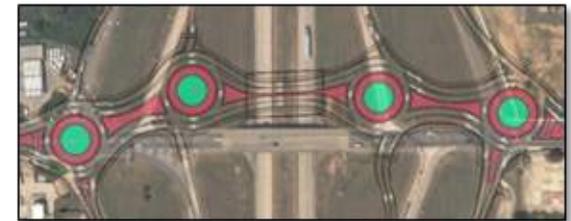
**Team Members Highlighted in this Proposal:** Dennis M. Hymel Jr., P.E., Abbey Falcon, P.E., Paul Olivier, P.E., Kelly Jones, Luke Bourg, James Ledet, P.E.



## 17. Firm Experience:

<b>Firm name</b>	Neel-Schaffer, Inc.		<b>Past Performance Evaluation Discipline(s)*</b>	Road & Traffic
<b>I-20: LA 544 Overpass Replacement</b>			<b>Firm responsibility (prime or sub?)</b>	Prime
<b>Project number</b>	H.010616	<b>Owner's name</b>	Livingston Parish / DOTD	
<b>Project location</b>	Lincoln Parish, LA	<b>Owner's Project Manager</b>	Jacob Fusilier, PE	
<b>Owner's address, phone, email</b>	P.O. Box 94245, Baton Rouge, LA 70804; (225) 379-1065; peggy.paine@la.gov			
<b>Services commenced by this firm (mm/yy)</b>	02/20	<b>Total consultant contract cost (\$1,000's)</b>	\$858	
<b>Services completed by this firm (mm/yy)</b>	Ongoing	<b>Cost of consultant services provided by this firm (\$1,000's)</b>	\$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, traffic control design QA/QC, TMP and signal design QA, Sequence of Construction, hydraulic analysis and design, 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 **4 multilane roundabouts (2 entrance/exit ramps at 3% grade)**, a new bridge over I-20, roadway improvements to I-20 and the ramps, and roadway widening (from 2 to 4 lanes) along LA 544 an urban arterial roadway. The bridge design and retaining wall design will be completed by DOTD.

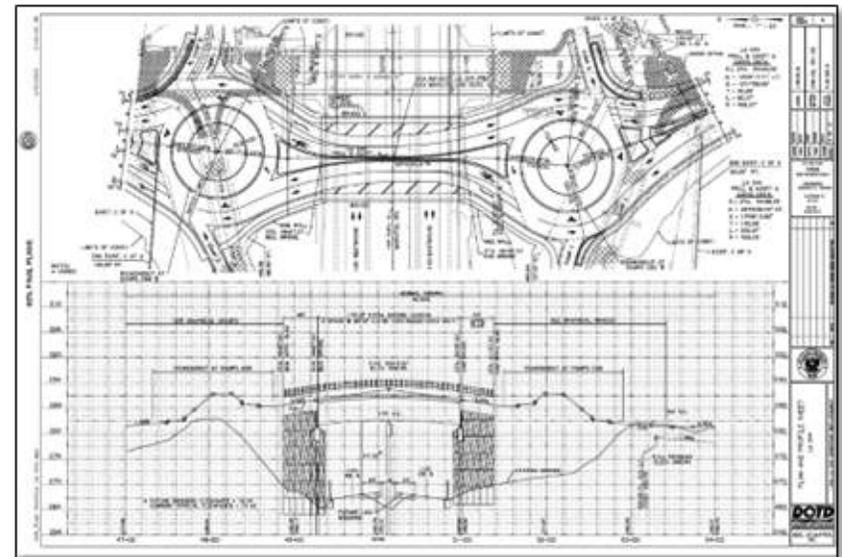


### Challenges:

- Multilane roundabouts on 3% longitudinal grade, in high fill, partially on bridge & open to traffic.**
- Large grade changes required along ramps without impacts to the gores.
- Structural design by DOTD while roadway design is completed by consultants.

### Solutions:

- NSI designed 65 pages of 13 phased construction with models to consider each phase and final joint layout and elevations.
- 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.
- 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.



**Firm Members Involved:** Dishili Young (Project Manager), Mai Nguyen (Design Engineer), Chance Shuckrow (Design Engineer), Scott Andrepont (Design Engineer), Josh Schexnider (Design)

## 17. Firm Experience:

<b>Firm name</b>	Neel-Schaffer, Inc.		<b>Past Performance Evaluation Discipline(s)*</b>	Road
<b>LA 1026 (Juban Rd) Widening (I-12 to US 190)</b>			<b>Firm responsibility (prime or sub?)</b>	Prime
<b>Project number</b>	H.004634	<b>Owner's name</b>	Livingston Parish / DOTD	
<b>Project location</b>	Livingston Parish, LA	<b>Owner's Project Manager</b>	Peggy Paine, P.E.	
<b>Owner's address, phone, email</b>	P.O. Box 94245, Baton Rouge, LA 70804; (225) 379-1065; peggy.paine@la.gov			
<b>Services commenced by this firm (mm/yy)</b>	08/12	<b>Total consultant contract cost (\$1,000's)</b>	\$877	
<b>Services completed by this firm (mm/yy)</b>	03/19	<b>Cost of consultant services provided by this firm (\$1,000's)</b>	\$877	

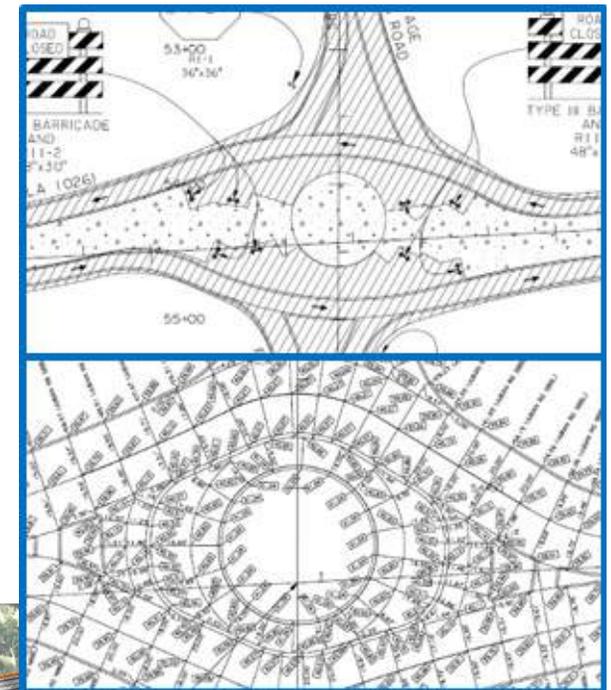
Neel-Schaffer was selected as prime consultant to complete the preliminary and final roadway plans, hydraulic analysis and design, construction cost estimates, and construction support. The project includes **3 multilane roundabouts and will widen existing LA 1026 (Juban Road), an Urban Arterial roadway**, from an existing two-lane road with side ditches to a 4-lane Blvd with storm sewer drainage, roadside ditches and a combination of both along select segments of the roadway. The intersection of La 1026 (Juban Road)/US 190 (Florida Blvd) will be improved with a roundabout in this project. The image to the right shows how the Sequence of Construction considered the joint layouts during construction phasing. Project is currently under construction.

**Project challenge/solution:** The project was let as two design packages which required roadway design (horizontal and vertical alignments) and drainage designed to work for both phases; Interim build and full build conditions.

**Firm Members Involved:** Dishili Young (Project Manager/Lead Designer for Final Design), Chance Shuckrow (Design Engineer), Scott Andrepont (Design Engineer), and Mai Nguyen (Design Engineer)

### Project Relevance:

Includes 3 Multilane Roundabouts (RAB's) with PCCP; RAB Construction Phasing on exist. DOTD corridor;  
Utility avoidance; Close coordination with local entity and stakeholders



This project begins at the intersection of LA 1026 (Juban Road) and the I-12 north interchange ramps and continues to the intersection of LA 1026 (Juban Road) and US 190 (Florida Blvd) and ends approximately 2,000 feet east and west along US 190 (Florida Blvd) from the intersection of LA 1026 (Juban Road).

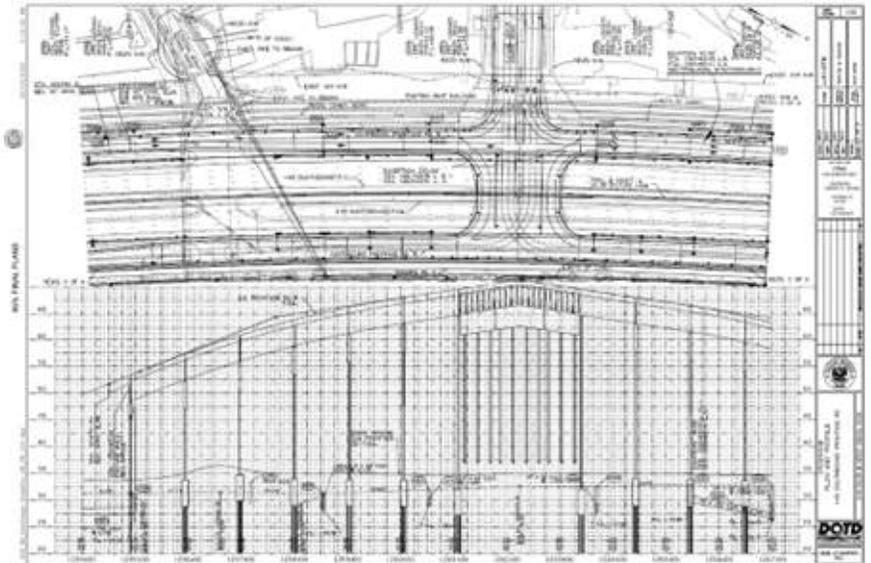
## 17. Firm Experience:

<b>Firm name</b>	Neel-Schaffer, Inc.		<b>Past Performance Evaluation Discipline(s)*</b>	Road & Traffic
<b>I-49 South @ Verot School Road</b>			<b>Firm responsibility (prime or sub?)</b>	Sub
<b>Project number</b>	H.011235.5	<b>Owner's name</b>	LADOTD	
<b>Project location</b>	Lafayette Parish, LA		<b>Owner's Project Manager</b>	Corey Landry, PE
<b>Owner's address, phone, email</b>	1202 Capitol Access Road, Baton Rouge, LA 70802; (225) 379-1889; corey.landry@la.gov			
<b>Services commenced by this firm (mm/yy)</b>	07/16	<b>Total consultant contract cost (\$1,000's)</b>		\$ 724
<b>Services completed by this firm (mm/yy)</b>	Present	<b>Cost of consultant services provided by this firm (\$1,000's)</b>		\$ 724

This project will provide 2.4 miles of mainline freeway and 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, signage design and TMP 2 for the entire project. This project is currently in the 95% Final Design phase.

Firm Members Involved: Nick Ferlito (Principal), Dishili Young, Mai Nguyen



### PROJECT RELEVANCE

- Level 2 TMP
- Traffic services
- multilane roundabout
- designed using the DOTD guidelines & software
- work along existing roads
- Sequence of Construction for roads open to traffic
- Temporary traffic signal design
- Utility avoidance

## 17. Firm Experience:

Firm name		Vectura Consulting Services, LLC		Past Performance Evaluation Discipline(s)*		Traffic
LA 30 Roundabouts at Tanger I-10					Firm responsibility (prime or sub?)	Sub
Project number	H.010960.5	Owner's name	LADOTD			
Project location	Ascension Parish, LA		Owner's Project Manager	Josh Harrouch		
Owner's address, phone, email	PO Box 94245 Baton Rouge, LA 70804-9245, (225) 242-4640, Joshua.Harrouch@LA.GOV					
Services commenced by this firm (mm/yy)	04/17	Total consultant contract cost (\$1,000's)	unknown			
Services completed by this firm (mm/yy)	12/20	Cost of consultant services provided by this firm (\$1,000's)	\$153,294			

Vectura designed temporary traffic signal plans that will be implemented during construction of the **three roundabouts along LA 30** in Gonzales, LA. The project involves replacing three existing signalized intersections with multilane roundabouts along LA 30 at I-10 Interchange ramps and at the Tanger Boulevard. Vectura also provided Quality Control review of construction plans.

### Temporary Traffic Signal Design

Vectura performed following design tasks to develop **temporary traffic signal plans**

- Detailed study of sequence of construction plans to determine the optimal traffic signal operation and required traffic signal equipment for each sequence of construction phase
- Reviewed potential access issues for all the impacted driveways / streets along the project area for each sequence of construction phase
- Developed multiple traffic signal timing plans by time of day for each sequence of construction phase to maintain progression along main corridor
- Developed temporary signal plans including pole and span wire layout, signs, striping, power source, signal timings by time of day, vehicle detection, signal head placement, wiring diagram, pole height calculations, clearance calculations, quantities, construction cost estimate
- Coordinated with DOTD Traffic Section and District Traffic Engineer

### Quality Control Review

Vectura provided Quality Control review of signing and striping plans at 30% and 60% plan sets to ensure the roundabouts conformed to the Pavement Markings Details Sheet PM-09 and the Manual on Uniform Traffic Control Devices (MUTCD) details on roundabouts.

**Personnel Utilized on this project:** Brin Ferlito, Reece Rodrigue, Laurence Lambert, and Bridget Robicheaux (100% performed in Louisiana)

## 17. Firm Experience:

Firm name		Vectura Consulting Services, LLC		Past Performance Evaluation Discipline(s)*		Traffic
I-10 ITS Scott to Lake Charles				Firm responsibility (prime or sub?)		Sub
Project number	H.013256.5	Owner's name	Louisiana Department of Transportation & Development			
Project location	I-10 (District 07)		Owner's Project Manager	Roy Esteven, PE		
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225-379-2527, Roy.Esteven@LA.gov					
Services commenced by this firm (mm/yy)	01/21	Total consultant contract cost (\$1,000's)			unknown	
Services completed by this firm (mm/yy)	03/21	Cost of consultant services provided by this firm (\$1,000's)			\$20,162	

Vectura performed a **Level 2 Traffic Management Plan (TMP)** for the construction of ITS equipment along I-10. The plan included the following activities:

- safety strategy that included a CAT Scan,
- LOS determination utilizing Citrix data,
- lane closure recommendations based on a queue analysis,
- cost estimate,
- and public information strategies.

**Team Members Highlighted in this Proposal:** Laurence Lambert, Brin Ferlito, Reece Rodrigue, & Kristen Farrington (100% performed in Louisiana)

## 17. Firm Experience:

Firm name		Vectura Consulting Services, LLC		Past Performance Evaluation Discipline(s)*		Traffic	
Roundabout: US 171 at Boone St.				Firm responsibility (prime or sub?)		Sub	
Project number	H.011909.5	Owner's name		DOTD			
Project location	Vernon Parish, LA		Owner's Project Manager		Josh Harrouch		
Owner's address, phone, email	PO Box 94245 Baton Rouge, LA 70804-9245, (225) 242-4640, Joshua.Harrouch@LA.GOV						
Services commenced by this firm (mm/yy)	04/17	Total consultant contract cost (\$1,000's)			unknown		
Services completed by this firm (mm/yy)	12/20	Cost of consultant services provided by this firm (\$1,000's)			\$82.045		

Vectura designed temporary traffic signal plans as part of the sequence of construction plan for a roundabout construction at the intersection of US 171 at Boone Street in Leesville, LA. The purpose of the project was to replace the existing signalized intersection with a multilane roundabout at Boone Street.

### Temporary Traffic Signal Design

Vectura performed following design tasks to develop temporary traffic signal plans

- Detailed study of **sequence of construction plans to determine the optimal traffic signal operation** and required traffic signal equipment for each sequence of construction phase
- Reviewed potential access issues for all the impacted driveways / streets along the project area for each sequence of construction phase
- Developed multiple traffic signal timing plans by time of day for each sequence of construction phase to maintain progression along main corridor
- Developed **temporary signal plans** including pole and span wire layout, signs, striping, power source, signal timings by time of day, vehicle detection, signal head placement, wiring diagram, pole height calculations, clearance calculations, quantities, construction cost estimate
- Coordinated with DOTD Traffic Section and District Traffic Engineer

### Quality Control Review

Vectura provided Quality Control review of signing and striping plans at 30% and 60% plan sets to ensure the roundabouts conformed to the Pavement Markings Details Sheet PM-09 and the Manual on Uniform Traffic Control Devices (MUTCD) details on roundabouts.

**Personnel Utilized on this project:** Brin Ferlito, Reece Rodrigue, Laurence Lambert, and Bridget Robicheaux (100% performed in Louisiana)

# SECTION 18

H.011152

I-12: US 190 to LA 59

St. Tammany Parish

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

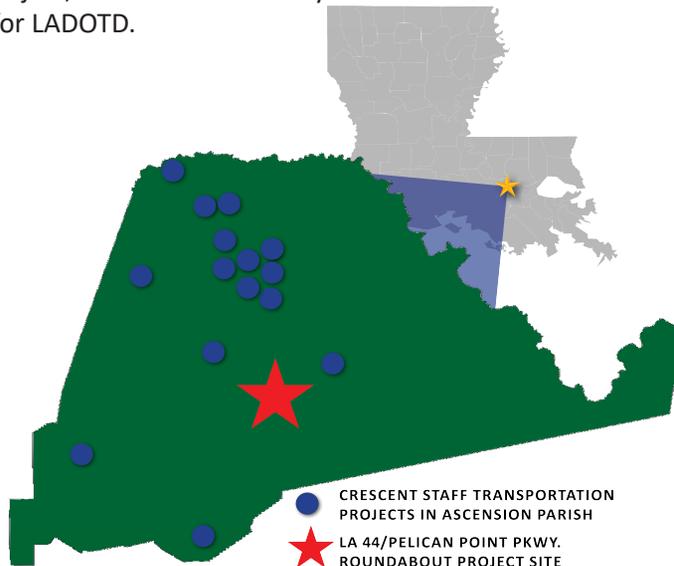
Roadway EORs: Dennis M. Hymel, Jr, P.E.; Paul I. Olivier, P.E.

## 18. Approach and Methodology:

### INTRODUCTION

The widening of LA 44 and construction of a roundabout at Pelican Point Pkwy. (S.P. No. H.015568) is a continuation of several private, local and state projects designed and/or constructed recently which are aimed toward congestion relief and safety improvements along this vital corridor in Eastern Ascension Parish. The project begins just north of the Panama Canal, at the southern end and Point of Beginning (POB) of S.P. No. H.010909 (LA 44: Widening and Roundabout at LA 941), includes a multi-lane roundabout at Pelican Point Pkwy., and terminates near the Ralph's Market, approximately 1 mile north of the LA 44 and LA 22 intersection. The project involves just over ½ mile of Urban roadway widening from two to four lanes and the widening or replacement of the existing LA 44 bridge over the Panama Canal.

Crescent Engineering & Mapping (Crescent) has assembled a team of staff who have **worked together for nearly a decade providing roadway and bridge design services not only for DOTD, but throughout Ascension Parish** on projects involving LADOTD, Ascension Parish Government and the City of Gonzales. Our staff has provided similar roadway widening, roundabout design and bridge widening/replacement services on DOTD and local projects within close proximity to this project area including **Roddy Rd. Widening, LA 44 @ LA 621 Roundabout, LA 621 @ Roddy Rd. Roundabout**. Through these experiences, we have gained valuable local knowledge and collaborated with the same stakeholders involved in this project, which will ultimately transfer into the successful delivery of this project for LADOTD.



### YOUR PROJECT TEAM

The Crescent project team assembled for this project is strategic in many ways, but primarily, in experience with similar projects, familiarity with the corridor, 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 LADOTD roadway and bridge projects of all types and complexities including bridges, roundabouts, and roadway widenings in both Urban and Rural settings. Crescent's bridge lead, **Megan M. Miller, P.E.** has designed a multitude of bridge structures for LADOTD ranging from RC Slab spans to LG 25, 36 and 54 girder span bridges and our QC Manager, **James "Jimmy" Ledet, PE** has been involved in LADOTD urban roadway and bridge design **since 1986**. Our project teaming partners **Neel-Schaffer, Inc. and Vectura** offer strong compliments to our internal staff for roadway design, traffic services and TMP's, respectively. Neel-Schaffer's staff is extremely familiar with the LA 44 corridor and includes **Nick Ferlito, Jr., PE, PTOE**, who, over the past 10 years, has conducted **multiple traffic studies and roundabout analysis on the LA 44 corridor including at Pelican Point**. Neel-Schaffer's roadway design staff is led by **Dishili Young, P.E., PTOE**, who has led recent multi-lane roundabouts for LADOTD and has a working relationship with Crescent's Dennis Hymel, Jr. which dates back over 15 years. Vectura's **Brin Ferlito, PE, PTOE** and **Laurence Lambert, II, PE, PTOE, PTP** recently provided **traffic, TMP, striping and phasing services for the LA 30 Roundabouts, a similar DOTD project** at the next I-10 interchange.

### PROJECT UNDERSTANDING & CRITICAL ISSUES

Crescent has gathered existing data, held discussions with the LADOTD Project Manager, reviewed adjacent project plans and conducted several site visits in 2023 and early 2024 to understand the project goals and objectives, assess the project site conditions, review utilities and identify potential design challenges. During the course of our research, **several critical issues have been identified** which will require early coordination in the design stage of the project.



## 18. Approach and Methodology:

### 1 Tie in to LA 44: Widening and Roundabout at LA 941 (Loosemore)

This project ties in at the POB of H.010909, which, according to the design plans from 6/23/2021, proposes to widen LA 44 symmetrically to 4 lanes and construct at roundabout at LA 941 (Loosemore Rd.) south of the existing intersection. The proposed project will tie into this on-going project just north of the Panama Canal bridge and within a compound curve. The H.010909 plans do not show a taper back to the existing two lanes at this terminus. Depending on construction timeline of both projects, this will require **coordination between the two project's design** and any changes made to the H.010909 (Loosemore project). The Roundabout Justification Report (RJR) for the LA 44 corridor shows a northbound and southbound directional U-turn north of the Panama Canal bridge (concievably within the Loosemore project), however, the plans for H.010909 project only includes the southbound U-turn. A northbound U-turn will be necessary to compliment the Pelican Point roundabout and Pelican Crossing traffic. Our team will work early with the DOTD PM to determine how and where this will be implemented into the project.

### Panama Canal Bridge

2 The LA 44 bridge over Panama Canal, built in 2008, is a skewed 5-span @ 20' RC slab span bridge with two travel lanes, six-foot shoulders and is in superelevation transition. Given the proposed symmetrical widening of LA 44 in the adjacent H.010909 project, this bridge will require widening to both sides or replacement. The hydraulics analysis will be a critical factor in determining if this bridge can be widened, as doing so will reduce the low-chord elevation. This bridge is in a Flood Zone AE per the 2019 FEMA Firm revision with a BFE of 8.2 and is susceptible to backwater flooding.

### Pipeline Corridor

3 An existing pipeline corridor crosses LA 44 just south of the Panama Canal bridge and includes five (5) industry pipelines carrying Hydrogen Gas, Natural Gas Liquids (NGL), Oxygen and Nitrogen. None of these pipelines appear to be encased. The major drainage trunkline along LA 44 outfalls to the Panama Canal, requiring the drainage to cross these pipelines.

Our design team **understands pipeline clearance constraints and includes several key staff who are very familiar with designing and working around pipelines.** We will assist DOTD in coordinating with the pipeline operators/ owners early in design to determine their clearance requirements and to design drainage and other project features to not conflict with these lines and ultimately, mitigate relocation costs and schedule delays. Our project team recently mitigated \$4MM in pipeline utility conflicts for a similar project on LA 930 in Ascension Parish.



### 4 Roundabout Geometry, Ponds, Driveway and Pelican Crossing

5 The LA 44 and Pelican Point Pkwy. intersection presents unique challenges for the roundabout geometry. LA 44 has a **posted speed of 55 mph and is classified as a high-speed corridor** which can serve as a concern for users who are not anticipating a significant speed reduction. Multiple measures to alert motorists of the impending design changes approaching the roundabout should be implemented such as a **series of reverse curves, extension of the median splitter island and outside curbs, and advanced warning signage and pavement markings.** The location of the roundabout center relative to Pelican Point Pkwy., Pelican Crossing Dr. and the residential driveway on the east side of LA 44 also present geometric challenges. Careful consideration will be taken when determining the roundabout's center location as well as entrance/exit radii to minimize and/or eliminate **impacts to the ponds** at the Pelican Point entrance. The intersection of Pelican Crossing Dr. must also be considered when designing the roundabout given its proximity, it's imperative that **adequate sight distances** are provided for motorists exiting the roundabout in relation to the intersection of Pelican Crossing Dr. The roundabout will be designed in accordance with DOTD guidelines, RDPD chapter 6 and NCHRP Report 672.

### LA 44 Widening/Pelican Point Roundabout Critical Issues



## 18. Approach and Methodology:

**8** **Utility & Drainage Impacts**  
Several utilities and the main drainage along the east side of LA 44, south of the Pelican Point Pkwy. roundabout are likely to be impacted by the widening of LA 44 in this area. The existing R/W narrows on the east side and the project will impact drainage, underground telephone, gas, and overhead electrical services. Our team will **develop drainage design and corridor modeling early** in Preliminary Plans in order to establish the limits of construction and any necessary R/W takings here so that conflicts can be verified early and ultimately aide in **facilitating this project to construction in an expedited fashion.**

**9** **Impacts to Shopping Center**  
The shopping center parking lots and existing R/W constraints are dissimilar between the shopping center and Ralph's Market, with the latter having much less room to accommodate the widening of LA 44. Our team has developed the conceptual layout shown here, which incorporates a symmetrical widening of LA 44 on the project's north end to match H.010909, then transitions to an **asymmetrical widening at the project's south end to avoid R/W takings** at the shopping center/Ralphs Market. This will aide in project delivery by reducing R/W impacts and mitigating relocation cost.

**10** **Directional U-Turn**  
A directional U-turn at the south end of the project will be necessary for the project's functionality. This will also drive the project starting location and will likely have extended R/W takings to the east at the bulb-out. Given the truck traffic servicing Ralph's, Pelican Point and the shopping center, this bulb-out **will likely need to be designed for a WB-67**, however is not detailed in the RJR. These elements will be part of our initial scoping/kickoff meeting and design criteria such that all team members and DOTD are in agreement.

### PRELIMINARY PLANS

Resolving a path forward on the critical design issues detailed herein is required to **prevent future delays during design.** Our team proposes an initial scoping meeting with DOTD, where we 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 has not been completed or **previous studies/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.

Once completed, a traditional Kickoff meeting will be held with our team, DOTD PM and Task Managers. We **will review the surveys and provide feedback on any data gaps** or augmentation that may be required, and if desired by DOTD, our team has the experience and capability to gather additional survey data in-house to mitigate delays. All meetings will be memorialized via

meeting minutes to document decisions and action items. 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. Although not included in the current scope, **our team proposes a 30% Preliminary Plans submittal for this project.** This submittal has been requested on recent DOTD roundabout projects to solidify various roundabout geometric values and can also serve to solidify the path forward on other critical design issues. Included the 30% PP will be the bridge Type, Size and Location (TS&L) and the **initial coordination with utility owners to gather constraints and crossing requirements for the pipelines.** Once 30% PP are reviewed and accepted, our 60% Preliminary Plans will further establish the remainder of the roadway geometrics, roadside hydraulics, and roundabout drainage. Hydraulic design will be in accordance with the Hydraulics Manual and using data from surveys, LiDAR, Quad Maps and other sources to delineate basins and analyzed using a suite of LADOTD's HYDRWIN programs and HEC-RAS. An **initial Inroads model will be developed at 60% PP** which will enable us to provide preliminary limits of construction and required R/W taking lines for review. An initial utility conflict matrix will be prepared at 60% PP and updated at all submittals as design progresses, 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. Draft Design Exceptions/Waivers will be provided upon approval of the 60% PP and updated as necessary.

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

If an Engineering Reason and Decision Document (ERDD) is required for permanent signing, onsite inspections will take place after Plan in Hand, or as soon as project limits are finite. **Crescent's staff members were one of the first to develop an ERDD document for DOTD** and are very familiar with this process. Constructability/Biddability Review forms will accompany the 90% PP submittal along with updated utility conflict matrices and cost estimates. 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 including public meeting layout/boards will accompany the 100% Preliminary Plans submittal. The Design Report forms will be finalized and sealed by Crescent's Engineer of Record. The TMP checklists will also be prepared and submitted with supporting documents.

## 18. Approach and Methodology:

### 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, joint layouts, erosion control plans, quantity and drainage summary sheets, permanent signing and striping. 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.

The bridge structure will be modeled using a suite of software, as appropriate, (STAAD, OpenBridge, MathCAD, Spreadsheets) to develop pile loads for foundation design. Bridge structure and pile elevations will be finalized, and bridge elements will be fully detailed including railing, joint and bearing details. A draft of the bridge calculations and Load Resistance and Factor Rating (LRFR) will be prepared using AASHTO BrR at 60% FP to ensure adequacy of review time. 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 LADOTD 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.

### Crescent Engineering & Mapping ADVANTAGE

- ✓ Extreme familiarity with LA 44 corridor
- ✓ In-house bridge & roadway design
- ✓ Extensive staff history with DOTD
- ✓ Commitment to LADOTD processes
- ✓ Experience with Pipeline conflicts
- ✓ Extensive roundabout experience

### 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 LADOTD roadway and bridge projects. Each submittal will be accompanied by LADOTD QC/QA certification forms. Design and plan comments, along with their resolutions will be documented in Crescent’s Design Comment Review forms.

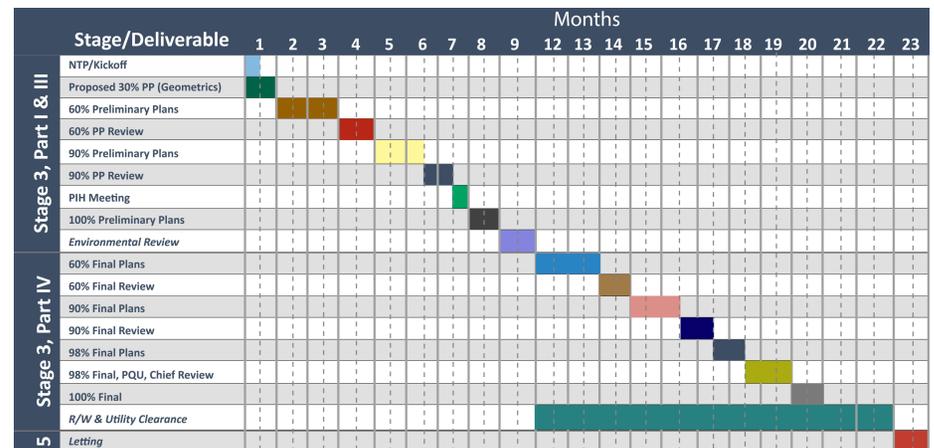
### LETTING

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

### STAGE 5: CONSTRUCTION

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

### PROPOSED PROJECT SCHEDULE



# SECTION 19-23

H.004113

LA 3241: LA 435 to LA 40/41

(I-12 to Bush)

St. Tammany Parish

Engineer of Record: Dennis M. Hymel, Jr.

## 19. Workload:

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

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

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

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

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Past Performance Evaluation Discipline(s) *	Contract Number and State Project Number	Project name	Remaining Unpaid Balance**
	Road	44-24585; H.014980	Chinaberry Drive Over Unnamed Coulee	\$0
	Bridge	44-24585; H.014980	Chinaberry Drive Over Unnamed Coulee	\$0
	Road	44-25035; H.014984	Libuse Cutoff Road Over Flagon Bayou	\$0
	Bridge	44-25035; H.014984	Libuse Cutoff Road Over Flagon Bayou	\$0
	Road	44-24591; H.014992	McHugh Road Over Brushy Bayou	\$2,323
	Bridge	44-24591; H.014992	McHugh Road Over Brushy Bayou	\$995
	Road	44-24592; H.014993	Lemon Road Over Drainage Bayou	\$26,804
	Bridge	44-24592; H.014993	Lemon Road Over Drainage Bayou	\$17,870
	Road	44-25054; H.015025	McLin Road Over Darling Creek	\$15,719
	Bridge	44-25054; H.015025	McLin Road Over Darling Creek	\$23,578
	Road	44-27180 (No H#)	Transportation Alternatives Program IDIQ (No Task Orders)	\$0
<b>Neel-Schaffer, Inc.</b>	Planning	SPN 736-99-1548	Travel Demand Model Support Services State-wide (PRIME)	\$55,425
<b>Neel-Schaffer, Inc.</b>	Road	SPN 4400005673	I-49 South at Verot School Road, Lafayette Parish, (SUB)	\$20,194
<b>Neel-Schaffer, Inc.</b>	Traffic	4400010428 SA 4, H.004774; H.007300.6	Kansas Lane: Garrett Road Connector and I-20 Improvements (SUB)	\$1,400
<b>Neel-Schaffer, Inc.</b>	ITS	4400010428 EWL 3, H.004774.5; H.007300	Kansas Lane: Garrett Road Connector and I-20 Improvements (SUB)	\$805

## 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**
<b>Neel-Schaffer, Inc.</b>	Traffic	4400010428 SA 5, H.004774; H.007300.6	Kansas Lane: Garrett Road Connector and I-20 Im- provements (SUB)	\$3,810
<b>Neel-Schaffer, Inc.</b>	Planning	4400015733, H.972374.1	Local Public Agency Documented Planning Process, Statewide	\$425,245
<b>Neel-Schaffer, Inc.</b>	Road	4400017293, H.010616	I-20: LA 544 Overpass Replacement	\$26,300
<b>Neel-Schaffer, Inc.</b>	ITS	4400016364, H.013256.6	ITS: I-10 ITS Scott to Lake Charles Technical Support Services During Construction	\$8,917
<b>Neel-Schaffer, Inc.</b>	ITS	4400016364, H.011504.5	Alexandria ITS Phase 2	\$54,897
<b>Neel-Schaffer, Inc.</b>	ITS	4400016364, H.015136.1	Northshore Regional ITS Architecture Update	\$35,499
<b>Neel-Schaffer, Inc.</b>	Traffic	4400017438, H.013284	MRB South GBR: LA 1 to LA 30 Connector, Ascension, EBR, Iberville & WBR	\$86,734
<b>Neel-Schaffer, Inc.</b>	Traffic	4400018271, H.014746.1	LA 383 Corridor Study	\$7,224
<b>Neel-Schaffer, Inc.</b>	Planning	4400018271, H.014746.1	LA 383 Corridor Study	\$65,245
<b>Neel-Schaffer, Inc.</b>	Safety	440023689, H.015148.5	District 03 Safety Investment Plan	\$131,385
<b>Neel-Schaffer, Inc.</b>	Planning	4400021094	Update Statewide Transportation Plan and Travel Demand Model	\$157,178
<b>Neel-Schaffer, Inc.</b>	Safety	4400023689, H.015227.5	US 61 at Victoria Dr. Ped Crossing	\$50,891
<b>Neel-Schaffer, Inc.</b>	Traffic	4400026458, H.014710.5	Cedar Street Ext. to LA 22 and Roundabout	\$169,073
<b>Neel-Schaffer, Inc.</b>	Planning	4400018271, H.012042	LA 384 (Big Lake Rd to McNeese Street)	\$419,502
<b>Neel-Schaffer, Inc.</b>	Road	4400024927, H.0 15226.5	US 90: Roundabout at LA 101	\$290,000

	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/OV	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

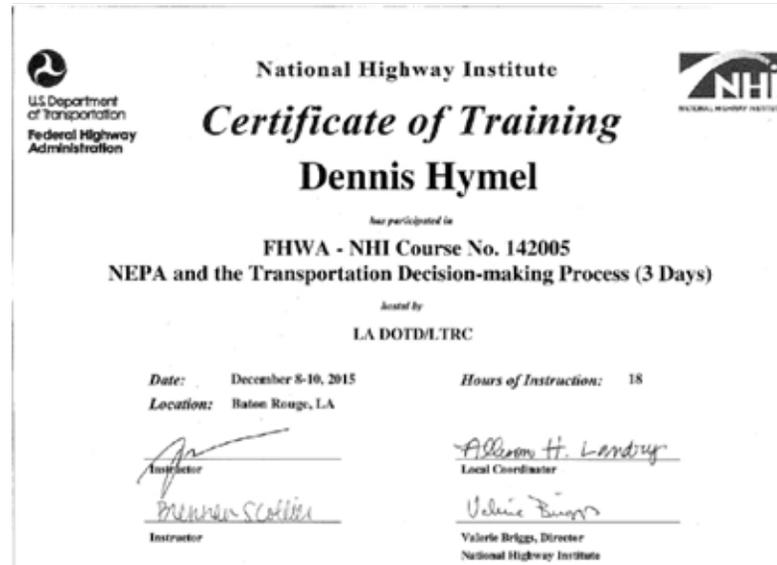
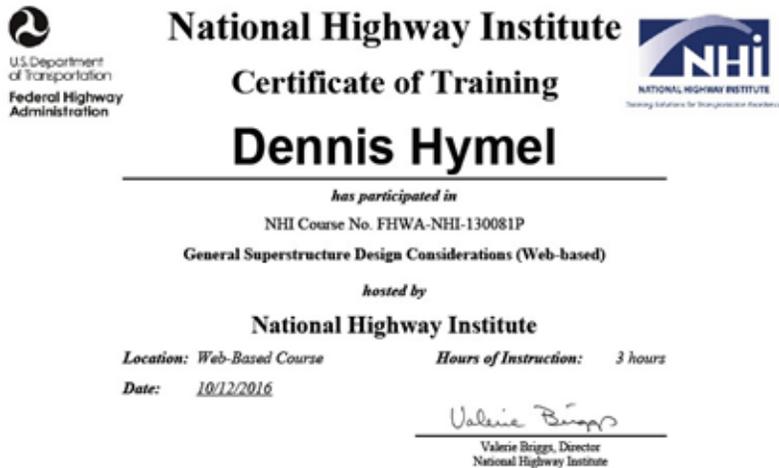
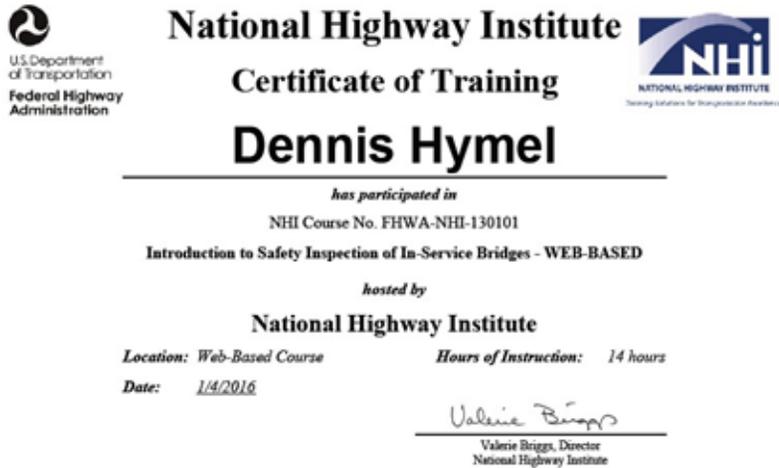
\* The only past performance evaluation disciplines to be used are: Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other (please specify). If a firm has more than one past performance evaluation discipline for any single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



20. Certifications/Licenses:





*Certificate of Attendance*

**Dennis Hymel**

*has participated in*

**AASHTOWare Bridge Rating Fundamentals Training**

*hosted by*

**LA DOTD/LTRC**

Date: August 1<sup>st</sup>-2<sup>nd</sup>, 2017  
Location: Baton Rouge, Louisiana

Professional Developments  
Hours (PDHs) Awarded: 12

*[Signature]*  
Herman Lee, P.E., PPMP  
Michael Baker International

*[Signature]*  
Michael S. Wilson, P.E.  
Michael Baker International



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  
Location: Baton Rouge, LA

Hours of Instruction: 67

*[Signature]*  
Guy R. Long, PE  
Instructor

*[Signature]*  
Allison H. Landry  
Local Coordinator

*[Signature]*  
Daniel R. Boyer, PE  
Instructor

*[Signature]*  
Valerie Briggs, Director  
National Highway Institute



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  
Location: Baton Rouge, LA

Hours of Instruction: 25

*[Signature]*  
Instructor

*[Signature]*  
Local Coordinator

*[Signature]*  
Instructor

*[Signature]*  
Valerie Briggs, Director  
National Highway Institute



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  
Location: Baton Rouge, LA

Hours of Instruction: 12

*[Signature]*  
Instructor

*[Signature]*  
Local Coordinator

*[Signature]*  
Instructor

*[Signature]*  
Michael Davis, Director  
National Highway Institute



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  
*Location:* Virtual Delivery, LA

*Hours of Instruction:* 18

 Digitally signed by Allison H. Landry  
DN: cn=Allison H. Landry, o=NHI, email=landry@nhi.gov

Allison H. Landry

*Instructor*

Local Coordinator

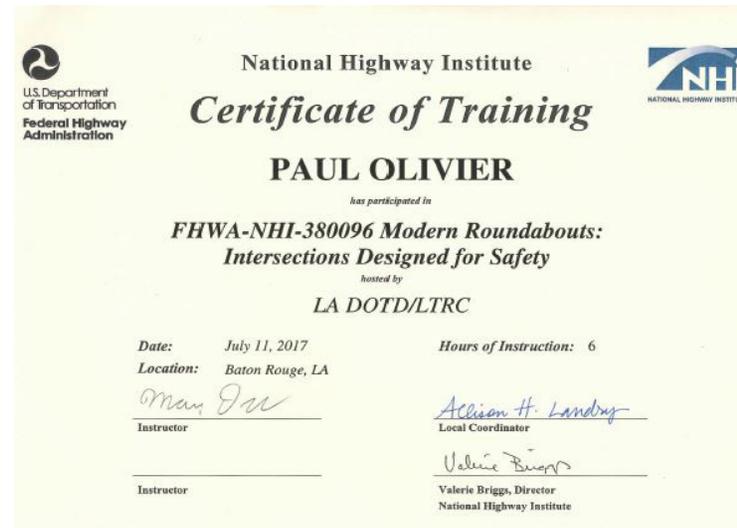
 Digitally signed by Thomas Harman  
DN: cn=Thomas Harman, o=NHI, email=tharman@nhi.gov

Thomas Harman

*Instructor*

Thomas Harman, Director  
National Highway Institute

20. Certifications/Licenses:



20. Certifications/Licenses:



*Certificate of Attendance*

**Megan Miller**

*has participated in*

**AASHTOWare Bridge Rating Fundamentals Training**

*hosted by*

LA DOTD/LTRC

Date: August 1<sup>st</sup>-2<sup>nd</sup>, 2017  
Location: Baton Rouge, Louisiana

*Professional Development*  
*Hours (PDHs) Awarded: 12*

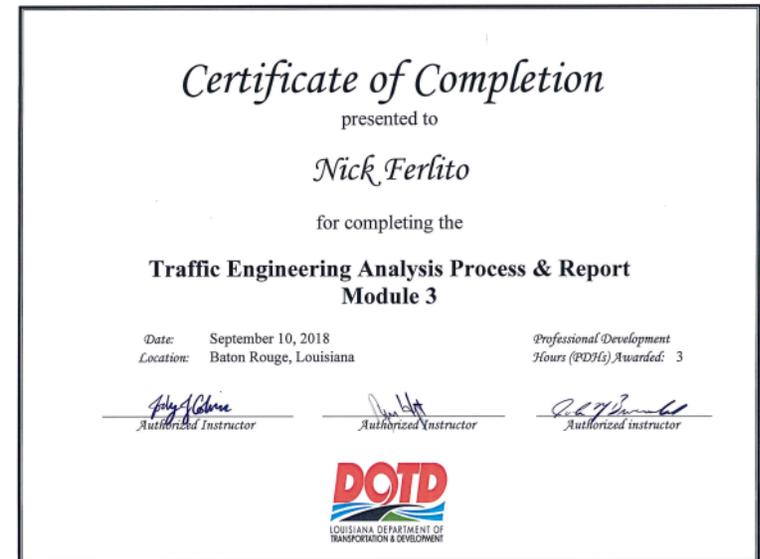
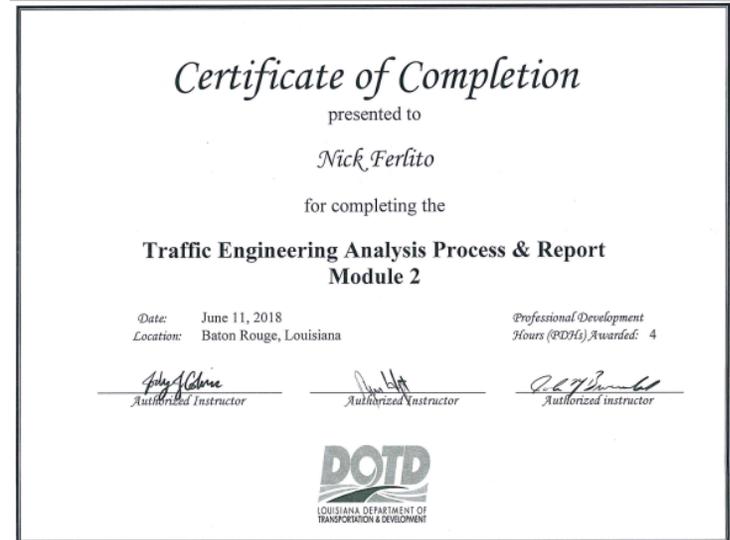
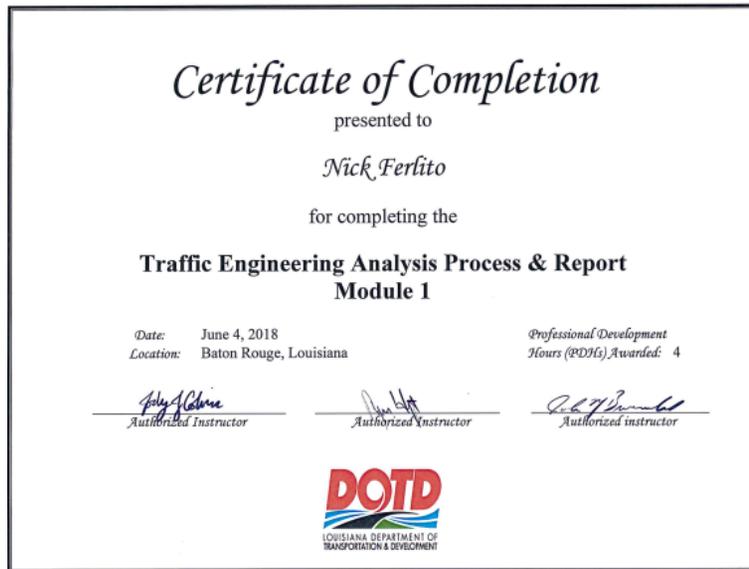
  
Herman Lee, P.E., PMP  
Michael Baker International

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

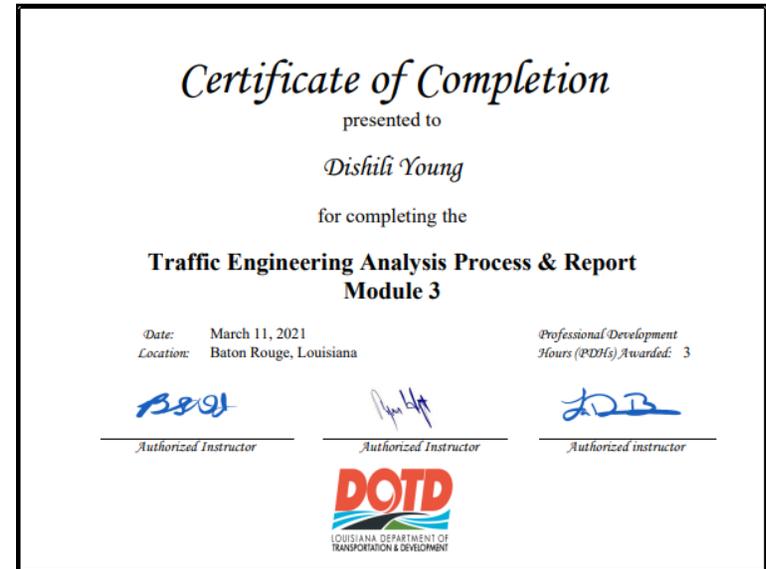
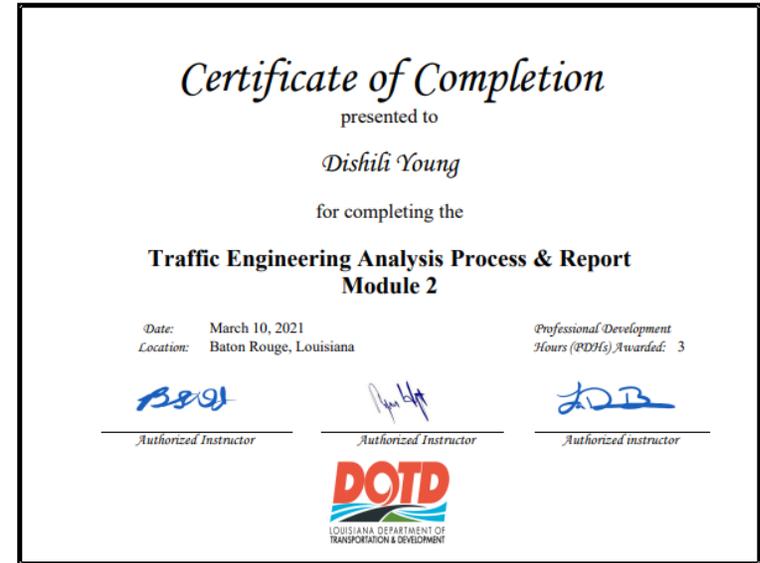
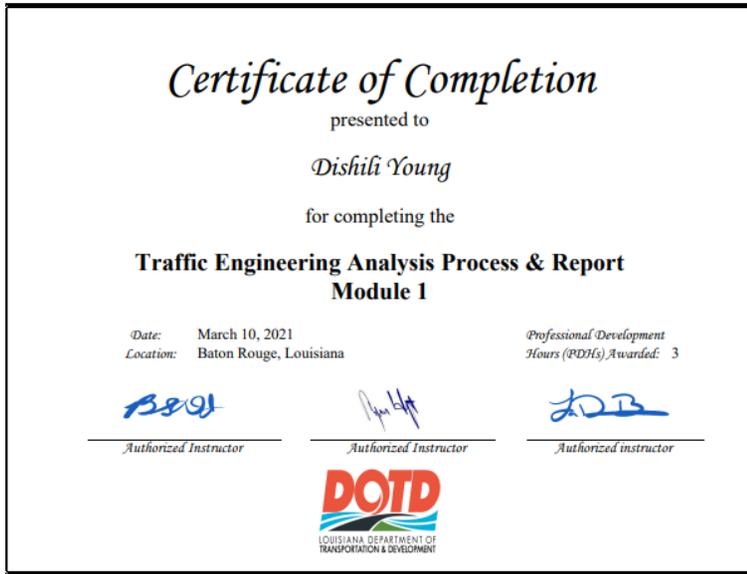
20. Certifications/Licenses:



20. Certifications/Licenses:



20. Certifications/Licenses:



20. Certifications/Licenses:





**DOTD**  
LOUISIANA DEPARTMENT OF  
TRANSPORTATION & DEVELOPMENT

Office of the Secretary  
PO Box 94245 | Baton Rouge, LA 70804-9245  
PH: 225-379-1200 | FX: 225-379-1851

John Bel Edwards, Governor  
Eric Kalivoda, Secretary

June 22, 2023

Vectura Consulting Services, LLC  
Attn: Sheelagh Brin Ferlito  
PO Box 14269  
Baton Rouge, LA 70898

Dear Sheelagh Brin Ferlito,

The Louisiana Department of Transportation and Development (LADOTD) Compliance Programs Section has received your firm's Disadvantaged Business Enterprise (DBE) and Small Business Element (SBE) annual affidavit. Based on the information, which you provided, it has been confirmed that your firm continues to meet the eligibility requirements of our program and remains certified for only the following specific work categories that fall under the listed NAICS codes:

- NC488490 – Other Support Activities for Road Transportation
  - C14-Transportation Planning
  - C33-Traffic Counting and Data Collection
  - C74-Construction Management
- NC541330-Engineering Services
  - C09-Engineering Services
  - C96-Traffic and Transportation Engineering
- NC541340-Drafting Services
  - C43-Computer Assisted Drafting

*Please note that per the federal regulations, suppliers only receive 60% goal credit towards the materials they provide. Also, note that any contractor performing work in excess of \$50,000 with the exception of electrical, mechanical and plumbing requires A Louisiana Contractor's License, which are required to have a license if work is in excess of \$10,000. You may contact the State Licensing Board for Contractors at (225) 765-2301 for more information. All participants of the Louisiana Unified Certification Program will recognize your firm's certification. This includes all entities receiving federal transportation funding within the boundaries of our state.*

You will be required to submit an annual affidavit with all supporting documents (**Business taxes with all attachments, such as 1099, 1099, K-1's and/or W-2's**) stating your firm continues to meet the eligibility requirements of the program. An email informing you to submit the necessary documentation will be forwarded to you approximately six (6) weeks prior to your anniversary date of **June 30, 2024**. However, should you not receive notification from this office for your annual affidavit; it is your responsibility to contact us. Additionally, you must notify our office immediately regarding any changes, which affect the social and economic disadvantage, size, ownership or control of your firm.

Louisiana Department of Transportation and Development | 1201 Capitol Access Road | Baton Rouge, LA 70802 | 225-379-1200  
An Equal Opportunity Employer | A Drug-Free Workplace | Agency of Louisiana.gov | dotd.la.gov

Vectura Consulting Services, LLC  
June 22, 2023  
Page 2

The LADOTD has contracted SJB Group, LLC to provide DBE Supportive Services to all certified DBEs, in the LAUCP, at no cost to you. This consultant can offer your firm assistance and guidance on areas such as marketing, estimating, bidding, financial preparations, etc. Contact Jackie des Bordes or Keyyatta Sparks with the SJB Group, LLC at (225) 769-3400 for any assistance needed to grow your organization.

The Louisiana UCP certifying entity reserves the right to withdraw this certification, if at any time, it is determined that DBE and SBE certifications was knowingly obtained by the submission of false, misleading or incorrect data. The Louisiana UCP certifying entity also reserves the right to request additional information and/or conduct an on-site visit at any time during your certification period.

We are pleased to have you as a participant in the LAUCP and wish you much success.

If you have any questions regarding the content of this letter, contact the LADOTD DBE Certification Unit at (225) 379-1382.

Respectfully,  
*Rhonda Wallace*  
Rhonda Wallace  
DBE/SBE Programs Manager

Enclosure (Certificate)

**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 Unified Certification Program (LAUCP)

**Vectura Consulting Services, LLC**  
Is a Certified Disadvantaged Business Enterprise (DBE) & Small Business Element (SBE) in the following specialties:

**NC488490, NC541330, NC541340**

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

**Certificate Eligibility: June 2023 to June 2024**  
This certificate is valid through the above date provided. This firm meets the ongoing 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

## 20. Certifications/Licenses:



### Transportation Professional Certification Board Inc.

1627 Eye Street, NW • Suite 600 • Washington, DC 20006 USA • Tel: 202-785-0060 • Fax: 202-785-0609 • www.tpcb.org



Ms. Sheelagh B. Ferlito, P.E., PTOE  
Vectura Consulting Services, LLC

Thank you for renewing your certification as a Professional Traffic Operations Engineer\*\* (PTOE). The Transportation Professional Certification Board (TPCB) congratulates you for your continued commitment to your profession. As a PTOE you will be recognized as one of a specialized group of professional Traffic Operations Engineers with the set of skills and expertise needed to build better communities.

Your certification is renewed through 9/9/2024.

You will not be receiving a new certificate as the one sent to you does not indicate an expiration date and can be displayed as long as you are a certified PTOE. Note that your certificate shows your original certification date.

At the end of the three-year period, your certification will be renewed without examination provided you have met the continuing education requirements described in the enclosed attachment.

Prior to the expiration of your PTOE, you will be notified of your renewal deadline. Additional examinations are not required if you renew within three-months of your expiration date 9/9/2024. Failure to renew within the 3-month grace period will result in a certified inactive letter and penalty fees for renewal. Visit our website for more information. <http://www.tpcb.org/PTOE/feeschedule.asp>

TPCB seeks to maintain the highest level of quality for its certification programs. Since its inception, the TPCB has required its certificants to maintain records with regard to fulfillment of continuing education requirements. Please be advised that as of January 1, 2018, TPCB is phasing in a policy in which 20% of certificant renewals will be randomly selected for audit and the certificant will be required to provide documentation (certificates of completion, course syllabus, meeting agenda/registration, etc.) to demonstrate fulfillment of continuing education requirements. The professional record-keeping system available from ITE, provides a resource to record the dates of completion of continuing education and maintain the necessary supporting documentation.

The TPCB continues its efforts to grow and enhance the value of the PTOE and its other certifications. In 2019 the TPCB web site was redesigned and a new certification – the Road Safety Professional – was launched. Going forward the TPCB is committed to expanding the awareness of its certification programs, encouraging jurisdictions to give preference to certificants and growing the number of certified professionals.

The TPCB distributes a quarterly newsletter and highlights the value of its certification programs through the [tpcb.org](http://www.tpcb.org) website. If you would like to contribute to the newsletter or website, please send any items of interest to: [certification@tpcb.org](mailto:certification@tpcb.org).

Thank you for your continued PTOE certification and best wishes in the coming years.

Sincerely,

Deborah L. Snyder, P.E., PTOE  
Chair, Transportation Professional Certification Board Inc.

### Transportation Professional Certification Board Inc.

1627 Eye Street, NW • Suite 500 • Washington, DC 20006 USA • Tel: 202-785-0060 • Fax: 202-785-0609 • www.tpcb.org



Mr. Laurence L. Lambert, II, P.E., PTOE, PTP  
Vectura Consulting Services, LLC  
PO Box 14269  
Baton Rouge, LA 70898-4269 USA

Thank you for renewing your certification as a Professional Traffic Operations Engineer® (PTOE). The Transportation Professional Certification Board (TPCB) congratulates you for your continued commitment to your profession. As a PTOE you will be recognized as one of a specialized group of professional Traffic Operations Engineers with the set of skills and expertise needed to build better communities.

Your certification is renewed through 2/3/2025.

You will not be receiving a new certificate as the one sent to you does not indicate an expiration date and can be displayed as long as you are a certified PTOE. Note that your certificate shows your original certification date.

At the end of the three-year period, your certification will be renewed without examination provided you have met the continuing education requirements described in the enclosed attachment.

Prior to the expiration of your PTOE, you will be notified of your renewal deadline. Additional examinations are not required if you renew within **three-months** of your expiration date 2/3/2025. Failure to renew within the 3-month grace period will result in a certified inactive letter and penalty fees for renewal. Visit our website for more information. <http://www.tpcb.org/PTOE/feeschedule.asp>

TPCB seeks to maintain the highest level of quality for its certification programs. Since its inception, the TPCB has required its certificants to maintain records with regard to fulfillment of continuing education requirements. Please be advised that as of January 1, 2018, TPCB is phasing in a policy in which 20% of certificant renewals will be randomly selected for audit and the certificant will be required to provide documentation (certificates of completion, course syllabus, meeting agenda/registration, etc.) to demonstrate fulfillment of continuing education requirements. The professional record-keeping system available from ITE, provides a resource to record the dates of completion of continuing education and maintain the necessary supporting documentation.

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Thank you for your continued PTOE certification and best wishes in the coming years.

Sincerely,

Deborah L. Snyder, P.E., PTOE  
Chair, Transportation Professional Certification Board Inc.

## 20. Certifications/Licenses:



### Transportation Professional Certificatic

1627 Eye Street, NW • Suite 600 • Washington, DC 20006 USA • Tel: 202-785-0060 • I

Mr. Reece J. Rodrigue, P.E., PTOE  
Vectura Consulting Services, LLC

Thank you for renewing your certification as a Professional Traffic Operations Engineer\*\* (PTOE). The Transportation Professional Certification Board (TPCB) congrat you for your continued commitment to your profession. As a PTOE you will be recognized as one of a specialized group of professional Traffic Operations Engineers with the set of skills and expertise needed to build better communities.

Your certification is renewed through 7/17/2025.

You will not be receiving a new certificate as the one sent to you does not indicate an expiration date and can be displayed as long as you are a certified PTOE. Note that your certificate shows your original certification date.

At the end of the three-year period, your certification will be renewed without examination provided you have met the continuing education requirements described in the enclosed attachment.

Prior to the expiration of your PTOE, you will be notified of your renewal deadline. Additional examinations are not required if you renew within three-months of your expiration date 7/17/2025. Failure to renew within the 3-month grace period will result in a certified inactive letter and penalty fees for renewal. Visit our website for more information. <http://www.tpcb.org/PTOE/feeschedule.asp>

TPCB seeks to maintain the highest level of quality for its certification programs. Since its inception, the TPCB has required its certificants to maintain records with regard fulfillment of continuing education requirements. Please be advised that as of January 1, 2018, TPCB is phasing in a policy in which 20% of certificant renewals will be randomly selected for audit and the certificant will be required to provide documentation (certificates of completion, course syllabus, meeting agenda/registration, etc.) to demonstrate fulfillment of continuing education requirements. The professional record-keeping system available from ITE, provides a resource to record the dates of completion of continuing education and maintain the necessary supporting documentation.

The TPCB continues its efforts to grow and enhance the value of the PTOE and its other certifications. In 2019 the TPCB web site was redesigned and a new certification – the Road Safety Professional – was launched. Going forward the TPCB is committed to expanding the awareness of its certification programs, encouraging jurisdictions to give preference to certificants and growing the number of certified professionals.

The TPCB distributes a quarterly newsletter and highlights the value of the its certification programs through the [tpcb.org](http://tpcb.org) website. If you would like to contribute to the newsletter or website, please send any items of interest to: [certification@tpcb.org](mailto:certification@tpcb.org).

Thank you for your continued PTOE certification and best wishes in the coming years.

Sincerely,

Deborah L. Snyder, P.E., PTOE  
Chair, Transportation Professional Certification Board Inc.

### Transportation Professional Certification Board Inc.

1627 Eye Street, NW • Suite 550 • Washington, DC 20006 USA • Tel: 202-785-0060 • www.tpcb.org



Mrs. Kristen Gahagan Farrington, P.E., PTOE, RSP1  
4004 Hastings Street  
Metairie, LA 70002  
USA

Dear Mrs. Farrington,

Thank you for renewing your certification as a Professional Traffic Operations Engineer® (PTOE). The Transportation Professional Certification Board (TPCB) congrat you for your continued commitment to your profession. As a PTOE you will be recognized as one of a specialized group of professional Traffic Operations Engineers with the set of skills and expertise needed to build better communities.

Your certification is renewed through 3/26/2026.

At the end of the three-year period, your certification will be renewed without examination provided you have met the continuing education requirements.

Thank you for your continued PTOE certification and best wishes in the coming years.

Sincerely,

Joseph C. Balskus, P.E., PTOE, RSP1  
Chair, Transportation Professional Certification Board Inc.

## 20. Certifications/Licenses:



### Transportation Professional Certification Board Inc.

1627 Eye Street, NW • Suite 550 • Washington, DC 20006 USA • Tel: 202-785-0060 • www.tpcb.org



Mrs. Bridget S. Robicheaux, P.E., PTOE  
6410 Louis XIV Street  
New Orleans, LA 70124  
USA

Dear Mrs. Robicheaux,

Thank you for renewing your certification as a Professional Traffic Operations Engineer® (PTOE). The Transportation Professional Certification Board (TPCB) congratulates you for your continued commitment to your profession. As a PTOE you will be recognized as one of a specialized group of professional Traffic Operations Engineers with the set of skills and expertise needed to build better communities.

Your certification is renewed through 3/25/2026.

At the end of the three-year period, your certification will be renewed without examination provided you have met the continuing education requirements.

Thank you for your continued PTOE certification and best wishes in the coming years.

Sincerely,

Joseph C. Balskus, P.E., PTOE, RSP1  
Chair, Transportation Professional Certification Board Inc.

## Certificate of Completion

presented to

*Brin Ferlito*

for completing the

### Traffic Engineering Analysis Process & Report Module 1

Date: June 4, 2018

Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 4

Authorized Instructor

Authorized Instructor

Authorized Instructor



## Certificate of Completion

presented to

*Laurence Lambert*

for completing the

### Traffic Engineering Analysis Process & Report Module 1

Date: July 16, 2018

Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 2

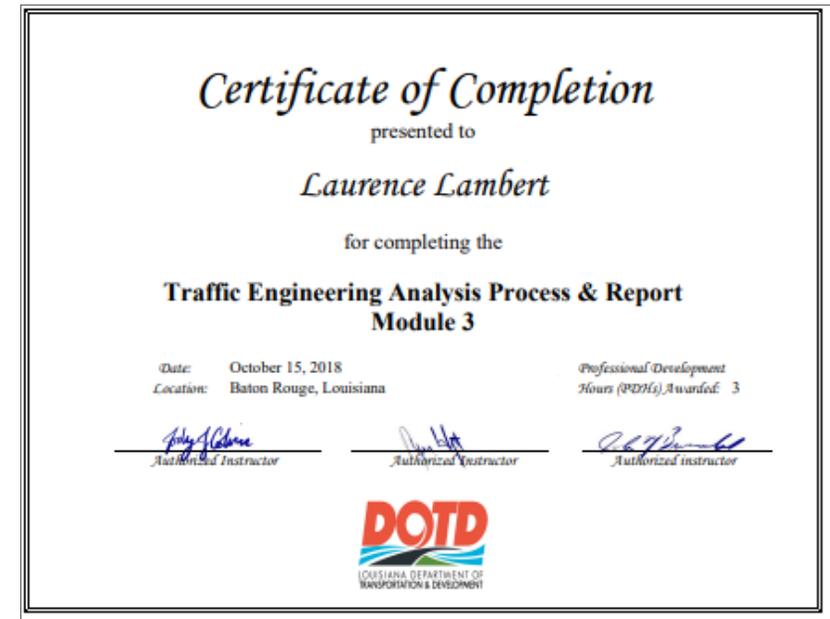
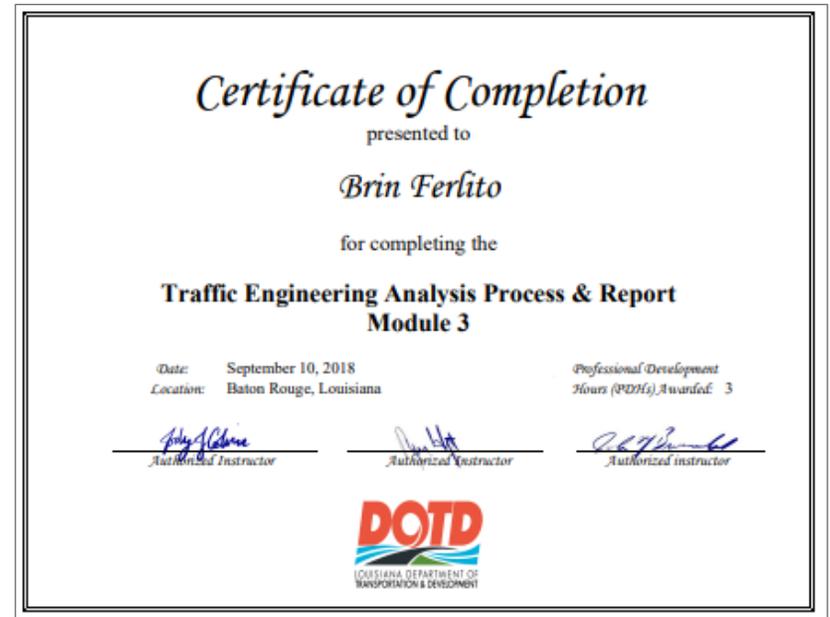
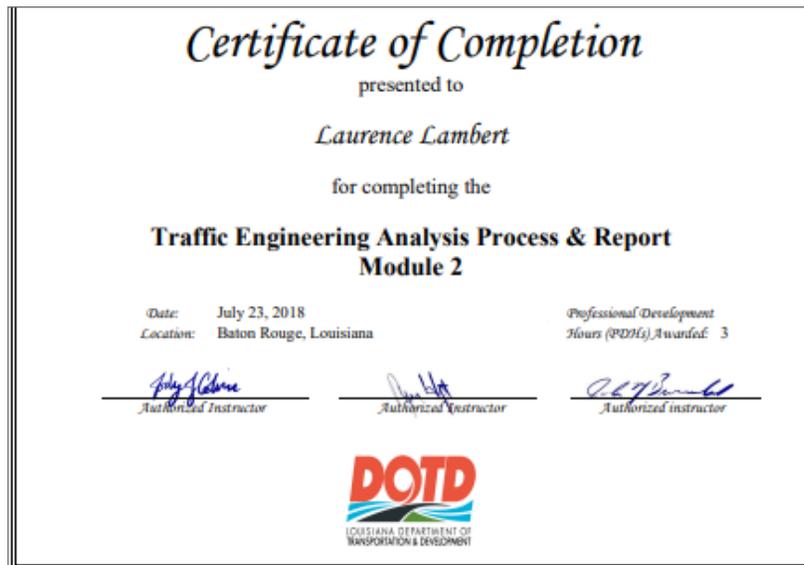
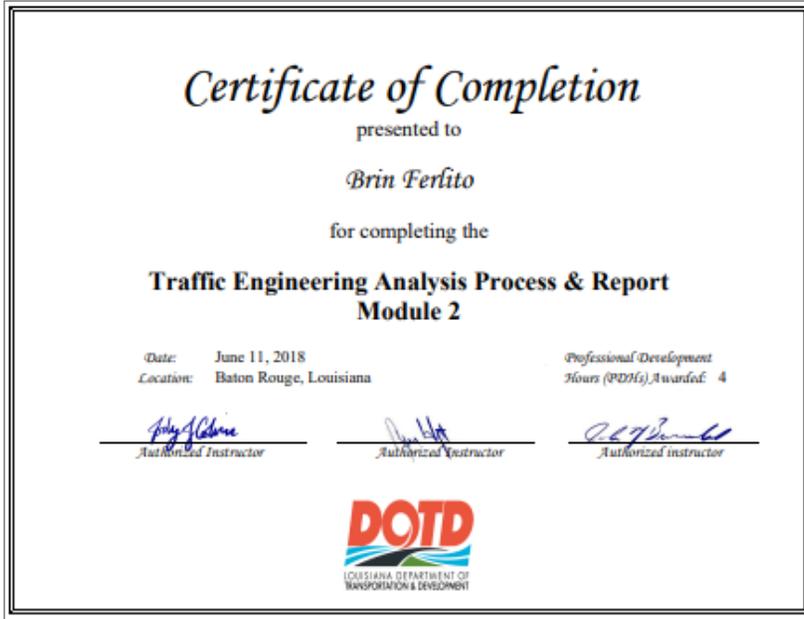
Authorized Instructor

Authorized Instructor

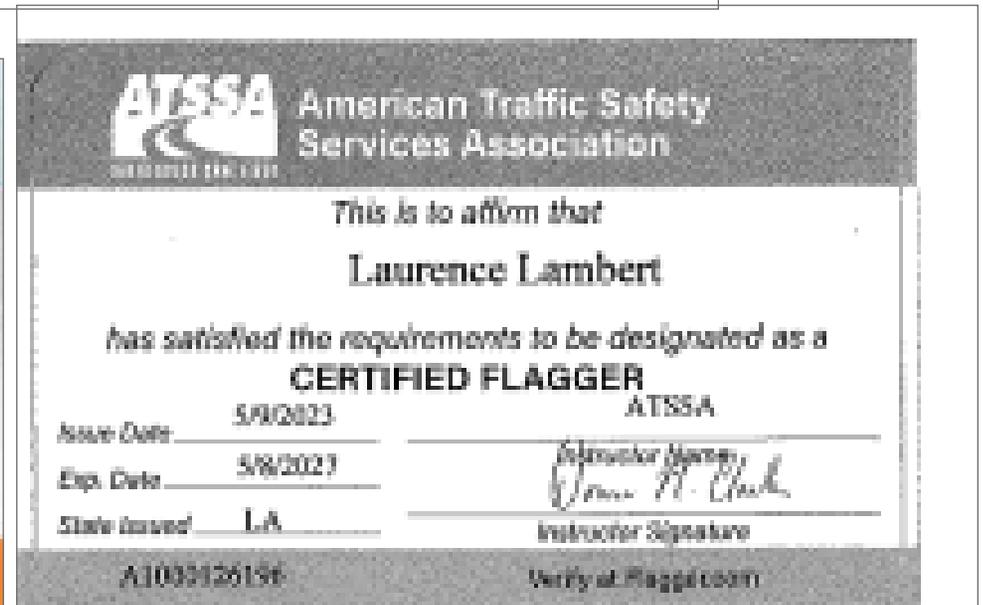
Authorized Instructor



20. Certifications/Licenses:



20. Certifications/Licenses:





LADOTD CONTRACT No. 44-28434

S.P. No. H.015568.5

F.A.P. No. H015568

LA 44: Pelican Point Roundabout and Widen

Route: LA 44

Ascension Parish

BRIDGE DESIGN QC/QA PLAN

*"Committed to Excellence, Focused on Delivery"*

February 2024

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Appendix B	LADOTD Checklists & Worksheets
Appendix C	Design Comment Review Forms LADOTD QC/QA Submittal Certifications

## Introduction

Crescent Engineering & Mapping, LLC (Crescent) understands that proper QC/QA is vital to the success of any bridge project. When a clearly outlined, known and repeatable process is followed by a team of bridge designers and technicians, design errors are eliminated, and plan accuracy is greatly enhanced. These QA/QC procedures and guidelines have been developed to ensure that bridge design team develops and accurately confirms that the project's design and resulting drawings meet LADOTD and AASHTO criteria and are in accordance with the requirements of the Contract. LADOTD's Bridge Design and Evaluation Manual requires that the Department's Policy for Quality Control and Quality Assurance is followed for all LADOTD projects. This QC/QA plan establishes the basis for Crescent to continue to be Committed to Excellence and Focused on Delivery.

This QC/QA plan has been developed consistent with LADOTD and Crescent policies specially for:

**LADOTD CONTRACT No. 44-28434**  
**S.P. No. H.015568.5 | F.A.P. No. H015568**  
**LA 44: Pelican Point Roundabout and Widen**  
**Route: LA 44**  
**Ascension Parish**

Crescent will manager design and design quality control/quality assurance program throughout the development of bridge design and production of bridge plans and specifications for this project. Our designated QC/QA manager for this project will be responsible for overseeing the overall quality program, performing independent Quality Assurance reviews as well as the preparation and implementation of the QC/QA plan. Crescent fully understands that it is the LADOTD's expectation that it's consulting engineers take full responsibility for their design and bridge plan submittals throughout the design process. We further understand that review and comments by LADOTD does not relieve Crescent of this responsibility.

This QA/QC plan has been prepared in accordance with the requirements set forth in "Guidance on QC/QA in Bridge Design in Response to NTSB Recommendation (H-08-17)," FHWA, AASHTO, August 2011. Additionally, requirements of BDTM.37 and "Policy on Quality Control and Quality Assurance," Louisiana Department of Transportation and Development, Bridge Design Section, October 2012, as amended and the requirements of the LADOTD's Bridge Design and Evaluation Manual will be followed throughout the project.

Crescent has committed to this process and has dedicated resources to deliver bridge design projects for LADOTD. We strive for continuous improvement to our processes to the benefit of our team members, the clients we serve and the public as a whole. We are committed to partnering with our clients by properly planning our work efforts to achieve a repeatable, consistent and a seamless delivery of our bridge projects. Crescent is committed to continuing education, offering our employees ample opportunities to remain on the leading edge of technology, bridge modeling and design methodology improvements, changes and innovation.

## Definitions

**Quality Control (QC):** This process involves the procedures of checking the accuracy of the calculations and consistency of the drawings, detecting and correction design omission and errors before the design plans are finalized, and verifying that bridge components are adequately designed for the requirements of the AASHTO LRFD Bridge Design Specifications, LADOTD Bridge Design and Evaluation Manual and other technical memoranda.

**Quality Assurance (QA):** This process involves the procedures of reviewing the work to ensure the quality control procedures and processes are in place and effective in preventing mistakes, and consistency in the development of bridge design plans.

**Designer:** An individual directly responsible for the development of design calculations, drawings, specifications, and contract documents and, potentially, in the review of shop drawings related to a specific bridge design with a level of technical skills and experience commensurate with the complexity of the subject structure or structures being designed. A designer shall be either a Professional Engineer licensed in the State of Louisiana or certified as an Engineer Intern under the direct supervision of a licensed Professional Engineer. The designer's experience should be commensurate with the complexity of the structure being designed.

**Design Checker:** An individual responsible for performing full technical review of the structural calculations, drawings, specifications and contract documents. A Design Checker shall be a Professional Engineer licensed in the State of Louisiana or certified as an Engineer Intern under the direct supervision of a licensed Professional Engineer. If the Designer is an Engineer Intern, the Design Checker should be a Professional Engineer. The checker’s experience should be commensurate with the complexity of the structure being designed/checked.

**Detailer:** An individual responsible for the necessary Microstation/CAD duties of producing bridge design plans which reflect the designer’s intentions and calculations. The Detailer shall be competent in operating Microstation/CAD software, able to read design sketches and drawings and shall communicate with the designer throughout the development of bridge design plans.

**Reviewer:** An individual responsible for performing QA procedures for assuring that QA/QC procedures have been performed.

**Engineer of Record:** A Licensed Professional Engineer responsible for all bridge structural aspects of the design of the structure including the design of all the bridge’s systems and components. This individual is responsible for sealing and signing the final project plans.

**QC/QA Roles and Responsibilities**

The following tables outline the team members who have been selected to perform the individual QC/QA assignments for this project’s bridge elements. These assignments are subject to change with comparable personnel depending upon contract execution and timeline.

Bridge Structural Design*		Construction Support & Shop Drawings	
Designer:	Megan M. Miller, P.E.	Drawing Review:	Dennis M. Hymel, PE.
Design Checker:	Dennis M. Hymel, Jr., P.E.	Review Checker:	Paul I. Olivier, P.E.
Detailer:	Luke Bourg	QA Review:	James P. Ledet, P.E.
Detail Checker:	Abbey F. Falcon, P.E.		
QA Review:	James P. Ledet, P.E.		

Hydraulics Design & Scour Analysis		Bridge Geometric Design	
Designer:	Abbey F. Falcon, P.E.	Designer:	Megan M. Miller, P.E.
Design Checker:	Paul I. Olivier, P.E.	Design Checker:	Abbey F. Falcon, P.E.
Detailer:	Luke Bourg	Detailer:	Luke Bourg
Detail Checker:	Abbey F. Falcon, P.E.	Detail Checker:	Paul I. Olivier, P.E.
QA Review:	James P. Ledet, P.E.	QA Review:	James P. Ledet, P.E.

\*For Non-Standard Structure Elements

Bridge Engineer of Record: Megan M. Miller, P.E.

QC/QA Manager: James P. Ledet, P.E.

## QC/QA Procedures

### 1. CALCULATIONS

#### ***INTRODUCTION***

Calculations are to be done on calculation tablet sheets for each design organization. Calculation tablets shall bear the name and address of the firm preparing the design. Calculations shall include sketches which are legible to detailers which may augment or clarify the calculations, list all assumptions, references, units, and conclusions. The calculations shall reference the specific component for which they apply and shall cite specific AASHTO codes being used for specific calculations being made.

#### ***RESPONSIBILITIES***

Engineer of Record – Ensures that staff assigned to the project are capable of performing the analysis and calculations and that their experience is commensurate with the complexity of the structure or component being tasked. Responsible for direct oversight and supervision of the design of the bridge components and structure. Assembles or assigns personnel to assemble and maintain original calculations and calculation checks for the project.

Designers – Prepare all calculations in a neat and logical manner which is conducive to checking. Provide the calculations to the Checker in a timely fashion with time to properly and adequately check calculations prior to detailing.

Checkers – Thoroughly check the design calculations starting with assumptions, mandated parameters, references, given values and formulas, AASHTO codes, omissions, and correctness of arithmetic. The Checker is responsible for asking questions of the Designer in areas that are not clear or seeking technical advice if warranted for a particular element of the calculation.

QC/QA Manager – Performs independent review of the checked calculations and random audits to ensure that QC procedures are being followed for checking of calculations.

#### ***PROCEDURES***

1. Identify each sheet of calculations with designer's initials, date, project name, and sheet number. Indicate portion of project being designed in the upper right corner of each sheet below the title block. For example: Bent 5 Design, Intermediate Bent Design, Span 3 Design, etc. A component of a project shall be checked promptly upon completion of calculations. Normally, design and quantity calculations are not combined.
2. The Designer shall make a copy (checking copy) of the calculation set and give to the checker. The originals shall then be placed in a designated binder or folder, in a convenient location, which can be accessed by the entire design team.
3. The checker shall fill in the checking copy headings with initials and date in red. All errors and disagreements shall be marked in red. Yellow shall be used to indicate information that has been checked is correct.
4. The checker shall promptly return the checking copy to the Designer for review. If the Designer agrees with the checker's markup then the Designer shall put a green check on red marks. When the Designer and Checker disagree, then the Engineer of Record shall resolve the dispute.
5. The Designer shall change the originals and return the originals and the checking copy to the checker for the checker's initials and date to be placed on the original.
6. The originals shall immediately be placed back into the calculation folder or binder. The checking copy shall be kept as required.

## 2. DRAWINGS

### ***INTRODUCTION***

Timely checking of drawings is important for efficient performance of plan producing and to minimize errors and prevent compounded error. A drawing used as a base file by several disciplines (road, bridge, hydraulics) should be checked and corrected before further additions are made; this will eliminate the need to check and correct the same items on subsequent drawings.

### ***RESPONSIBILITIES***

The Engineer of Record, with the help of the QC/QA Manager, will ensure that this procedure is implemented on all project drawings and that the check prints are assembled and available for audit for each submittal milestone during project delivery.

The Designer of the structure or the bridge element on the drawing has the primary responsibility for accuracy and adequacy. It is not intended that the Designer rely upon the checking system to complete the drawing.

The Designer of each drawing or set of drawings is responsible for making the Check Print, stamping and dating it, following that Check Print through the process, and obtaining the required sign-offs.

Checkers are responsible for checking the drawings, independent of the Designer, for accuracy and adequacy of all the information shown, including geometrics, reinforcing and quantities.

QA/QC Manager performs particular QA reviews and audits to ensure that procedures are being followed in regard to the checking of drawings.

### ***PROCEDURES***

1. As each drawing individually is completed and deemed ready for checking, the Designer signs or initials the title block of drawings, makes a Check Print copy, and affixes, numbers, and dates the Check Print stamp on the print of each drawing. This is to be done on each drawing print separately, not on the set of prints as a whole, even if the same information is put on the check print stamp.
2. The Checker checks the Check Print of the drawing for technical adequacy and conformance to any applicable standards and format, and performs specific accuracy checks required for that type of drawing. Checking activity is recorded directly on the Check Print. The Checker is responsible for ascertaining that the drawing is consistent with the corresponding calculations, and signing off that those calculations have been properly checked. In order to document the checking process, the Checker highlights in yellow on the Check Print each part checked that is found to be correct and marks in red on the Check Print corrections, additions, or deletions.

### Use of Colors

Instrument	Use For	User
Yellow Highlight	Checker confirmation	Checker
Red Pen	Correction to be made	Checker
Blue Pen	Discussion Item, Design Issue	Checker
Green Pen	Concur or Alternate Resolution	Designer
Orange Highlight	Confirmation of Correction	Detailer
Pink Highlight	Verification of Corrections Made	Designer/EOR

The Checker signs and dates the Check Print stamp upon completion of the checking. The Checker completes the Design Review Form concurrently with the checking of the Check Prints in order to augment suggested corrections, provide additional information or suggestions.

In the case where no corrections, additions or deletions are found, there is no need for backchecking or further signatures on the Check Print stamp. The Check Print and original drawing, signed in the appropriate checked block, should be returned to the Designer for placement in the projects file.

3. The Designer (or designee, as Backchecker) reviews the Checker's marks on the Check Print as well as the Design Review Form with the Checker to ensure that comments are conveyed accurately and to discuss suggestions or other issues. The Designer then personally makes or supervises the update of the Drawing Original.

To document the backchecking process, the Designer:

- Check-marks in green each of the Checker's red-marked changes if in agreement that the Original should be changed and adds in green, with the concurrence of the Checker, any additional changes not picked up by the Checker.
- Crosses out in green each of the Checker's red-marked changes that both the Designer and the Checker agree should not be changed. The Backchecker should not obliterate the Checker's marks.

NOTE: The Backchecker and Checker should resolve differences encountered during the checking process so they are not repeated. If resolution cannot be achieved by the two individuals, the appropriate Design Unit Engineer or Design Manager should be requested to resolve the differences.

- Signs and dates the Check Print stamp.

4. Correction of the Drawing Original should be supervised by (or drafted by) either the Designer or Checker, since both are familiar with the changes to be made.

When making the Check Print corrections to the Drawing Original, the engineer, draftsman, or CADD operator highlights in orange each correction as incorporated. The person correcting the drawing signs and dates the Check Prints stamp upon completion of the corrections.

5. When corrections are made by a third party (not the Designer or checker), the Check Print should be verified by the Checker or Designer to assure that the agreed-to corrections have been incorporated without error. If the corrections are not made or are erroneous, the Check Print with penciled instructions is returned to the corrector. The Verifier puts a pink check mark next to or pink highlight over the item after reviewing its incorporation on the Original Drawing.

The Verifier signs and dates the Check Print stamp, as applicable.

After the corrections have been verified the Checker initials the "checked by" block on the title block of the Drawing Original.

6. The completed original (or CADD file) is put under the control of the Engineer of Record or a designee in order to prevent further changes in the drawing that could invalidate the checking which has been done. The Engineer of Record or a designee releases the checked drawing to other disciplines to use as a baseline for their input, or to the client.

NOTE: When there is a change to a checked drawing, a new Check Print must be made to check the area that has been changed. The Check Print is stamped and labeled Check Print 2, 3, 4, etc. as applicable and attached to the previous check print(s). The checking follows the same procedure as that of the original Check Print, except that only the portions that changed are marked up as having been checked.

7. If changes mandated by the client at the final review are simple in nature, the Engineer of Record or a designee may abbreviate the checking process by noting the changes in red on a new Check Print (which should be sequentially numbered) and signing the Check Print as the Backchecker, indicating that the changes do not materially affect the design. Then the normal correcting and verifying processes should be utilized.

Exceptions to the procedural documentation of the Check Prints can be given only by the QC/QA Manager based upon the size, character and complexity of the project.

## Description of Appendices:

The following review forms, checklists and certifications within the Appendices will be used during the project's QC/QA process as required by LADOTD's Bridge Design Section BDTM.37. The checklists and certification forms are included in the Appendices for reference.

### Appendix A

- LADOTD Design Criteria Worksheet
- LADOTD Project Activity Log Sheet
- LADOTD Consultant Project Bridge Design Kick-Off Meeting Agenda Checklist
- LADOTD Consultant Submittal Review Checklist
- Final Calculation Book Index Checklist

### Appendix B

- Crescent Design Comment Review Forms

### Appendix C

- LADOTD QA Information Package Checklist
- LADOTD QC/QA Certification
- LADOTD Consultant Submittal QC/QA Certification

The Consultant Submittal QC-QA Certification will accompany all submittals as required by the Bridge Design Section QC-QA Policy. Additional checklist(s) may be added by the QC/QA Manager based upon the scope, character and complexity of the project, should this change throughout the course of design.

## Design Criteria Checklist

Design criteria for each project shall include, but not limited to, the following sections:

\_\_\_ Cover Sheet

The following information must be included on the cover sheet:

- LADOTD project number
- Project name
- Revision date
- The Supervisor or Team Leader's signature and date

\_\_\_ Governing Design and Construction Specifications and Other References

A list of governing design and construction specifications and other references used for the project shall be included in this section. The edition number, interim revisions, and/or publication date must be specified for each reference.

\_\_\_ Design Assumptions and Design Exceptions

All design assumptions and design exceptions received must be included in this section along with supporting documents.

\_\_\_ General Information

The general information as listed below should be included in this section:

- Bridge information (no. of bridges, bridge clear width, length, no. of lanes, lane width, shoulder width, etc.)
- Road information (roadway classifications, design speed, traffic data, etc.)
- Vertical datum
- Vertical and horizontal clearances
- Other relevant information

\_\_\_ Hydraulic Design Criteria

All hydraulic design criteria (design year, design water elevations, scour depth and scour elevation, etc.) shall be included in this section and the information shall be provided by the Hydraulic Engineer.

\_\_\_ Design Factors

The ductility factor  $\eta_D$ , redundancy factor  $\eta_R$ , and operational importance factor  $\eta_I$  shall be listed in this section.

\_\_\_ Design Loads

All design loads (dead load, live load, wind load, thermal loads, vessel collision loads, seismic load, wave loads, etc.) used for the project shall be included in this section.

\_\_\_ Limit States

All applicable limit states for this project shall be listed in this section.

- Bridge Barrier Railing  
The design criteria, types, and test levels for bridge barrier railing shall be listed in this section. Standard plans should be listed if they are utilized.
- Guardrail  
The design criteria, types, and test levels for guardrails shall be listed in this section. Standard plans should be listed if they are utilized.
- Approach Slab  
Design criteria for approach slab shall be included in this section. Standard plans should be listed if they are utilized.
- Deck and Deck Drainage  
All design criteria for deck and deck drainage design shall be included in this section. Standard plans should be listed if they are utilized.
- Bearing  
All bearing types and design criteria for each bearing type shall be included in this section. Standard plans should be listed if they are utilized.
- Joint  
All joint types and design criteria for each type shall be included in this section. Standard plans should be listed if they are utilized.
- Superstructure  
All superstructure types and design criteria for each type shall be included in this section. Standard plans should be listed if they are utilized.
- Substructure  
All substructure types and design criteria for each type shall be included in this section. Standard plans should be listed if they are utilized.
- Piles and Drilled Shafts  
All pile types, sizes, and structural design criteria shall be included in this section. Standard plans should be listed if they are utilized.
- Geotechnical Design  
All geotechnical design criteria shall be included in this section and the information shall be provided by the Geotechnical Engineer. Standard plans should be listed if they are utilized.
- Mechanical Design  
All mechanical design criteria shall be included in this section if applicable. Standard plans should be listed if they are utilized.
- Electrical/Lighting Design  
All electrical design criteria shall be included in this section if applicable. Standard plans should be listed if they are utilized.
- As-Designed Bridge Rating Criteria  
All as-designed bridge rating criteria shall be included in this section.
- Software  
All software used for design and check shall be included in this section.



**APPENDIX H—CONSULTANT PROJECT BRIDGE DESIGN KICK-OFF MEETING AGENDA CHECKLIST**

A kick-off meeting with the Consultant's bridge design team shall be initiated by the LADOTD Bridge Design Task Manager once the project is awarded. The meeting agenda shall include, but not be limited to, the following items:

- Introduce LADOTD Bridge Task Manager and the Consultant's Key Team Members (The Supervisor or Team Leader and Key Designers/Design Checkers/Reviewers)
- Discuss Consultant's Staffing Plan and Implementation of QC/QA Plan Document (The staffing plan should include names and responsibilities of the designers, detailers, checkers, reviewers, and the EOR.)
- Determine Schedules for Project Submittals (Design Criteria, TS & L, 30%, 60%, 90%, 100% of Preliminary Plans and Final Plans, Final Calculations, etc.)
- Share Expectations and Consultant Rating Criteria (Consultant rating will be performed for all project submittals shown on the project submittal schedule.)
- Discuss Design Criteria
- Discuss Budget, Supplemental Requests, Invoices, and Importance of Avoiding Claims (Staff shown on invoices will be reviewed in accordance with the staffing plan.)

APPENDIX K—CONSULTANT SUBMITTAL REVIEW CHECKLIST

Items	Submittals											Final Calculations Book	Plan Revisions	Change Orders	
	Design Criteria	TS&L	30% FP	60% FP	90% FP	100% FP	30% FP	60% FP	90% FP	100% FP					
Consultant Submittal QC/QA Certification			R	R	R	R	R	R	R	R	R	R	R	R	R
Design Criteria	C														
TS&L		C													
Bridge Index			D	D	D	D	D	D	C	S					
General Notes			D	D	D	D	D	D	C	S					
Summary of Estimated Quantities			D	D	C	C	D	D	C	S					
General Plans			D	D	C	C	C	C	C	S					
Typical Sections			D	D	C	C									
Superelevation Diagram				D	D	C	C	C	C	S					
Construction Phasing Details				D	D	C	C	C	C	S					
Traffic Controls Details				D	D	C	C	C	C	S					
Foundation/Pile Layout				D	D	C	C	C	C	S					
Pile Loads/Details					D	D	D	C	C	S					
Pile Data Tables							D	D	C	S					
Bent Details							D	D	C	S					
Fender Details							D	D	C	S					
Girder Details							D	D	C	S					
Span Details							D	D	C	S					
Joint Details								D	C	S					
Bearing Details								D	C	S					
Approach Slab								D	C	S					
Guardrail Details								D	C	S					
Bridge Barrier/Railing Details								D	C	S					
Bridge Drainage Details								D	C	S					
Detour Bridge Details								D	C	S					
Revestment Details								D	C	S					
Signing/Lighting Details								D	C	S					
Year Plate								D	C	S					
Rebar Support								D	C	S					
Misc. Details								D	C	S					
Project Specific Standard Plans								D	C	S					
Electrical/Lighting Details								D	C	S					
Mechanical Details								D	C	S					
As-Built Plans								D	C	C					
Special Provisions/NS- Items							D	D	C	C					
Cost Estimate					D	D	D	D	C	C					
Final Calculations											S				
Revised Plans/Calculations												S	S		

Legends:  
 "R" = The item is required and shall be included in the submittal.  
 "C" = The item shall be complete and shall be included in the submittal.  
 "D" = The item shall be in development and shall be included in the submittal.  
 "S" = The item is stamped by the EOR and shall be included in the submittal.

## Final Calculation Book Checklist

The final calculation book for each project shall include, but not limited to, the following sections:

\_\_\_ Cover Sheet

The following information must be included on the cover sheet:

- LADOTD project number
- Project name
- The title of "Final Calculation Book"
- The EOR's seal with signature and date

\_\_\_ Final Calculation Book Check List

\_\_\_ QC/QA Certifications

\_\_\_ Peer Review Resolution Agreement (if peer review is performed)

\_\_\_ Design Criteria

\_\_\_ Final Hydraulic Analysis Report from Hydraulic Engineer

\_\_\_ Final Geotechnical Analysis Report from Geotechnical Engineer

\_\_\_ Superstructure Design Calculations

\_\_\_ Substructure Design Calculations

\_\_\_ Quantity Calculations

\_\_\_ Special Provisions/NS-Items

\_\_\_ Construction Cost Estimate

\_\_\_ As-Designed Rating Report

\_\_\_ List of All Final Electronic Design Files and File Locations (ProjectWise directory name)

Consultants shall submit the final calculation book to LADOTD bridge task managers; the submittal shall be on a CD or Flash Drive or placed to a designated ProjectWise folder and include the following information:

\_\_\_ A PDF File of the Calculation Book

\_\_\_ All Electronic Design Files

\_\_\_ A PDF File of the As-Designed Rating Report Only

QC/QA REVIEW COMMENT SUMMARY AND RESOLUTION SHEET		
Project Name: XXX	 Engineer: Dennis Hymel, Jr., P.E.	Date: XXXXXX
Project Number: H.0XXXX		Reviewer: XXX
Submittal: 60% Preliminary		

- RESPONSE CODE**
1. Concur / Accept comment
  2. Non-Concur / Disagree with comment
  3. Conflicts with previous directive
  4. For Information Only
  5. Clarify or discussion required
  6. Delete comment
  7. Resolution of comment in next phase
  8. See additional comment

• GENERAL USE (THIS SECTION)								
Item No.	Date	<sup>(1)</sup> Source	Reviewer Comments	<sup>(2)</sup> Code	<sup>(2)</sup> Date	<sup>(3)</sup> Responses	<sup>(4)</sup> Final Resolution	
							Code	Date
1	8/31	2a	Revise typical section to include X.	1	9/10	Will Incorporate.	1	9/15

If no comment, write "NO COMMENT"	Signature of Reviewer	Agency/Company Sign-off
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(1) Indicates the document / model , or use "G" for General Comment  
 (2) Design Firm/Agency response code & date to reviewer comment

(3) Design Firm/Agency response to reviewer comment  
 (4) To be filled out during back check / subsequent meeting/discussion

**QA Information Package Checklist**

Project No.:

Project Description:

- \_\_\_\_\_ Calculation Book
- \_\_\_\_\_ Plans
- \_\_\_\_\_ Special Provisions
- \_\_\_\_\_ Cost Estimate
- \_\_\_\_\_ Other Documents \_\_\_\_\_

**QC/QA Certification**

Project No.:

Project Name:

We, the undersigned designers, detailers, checkers and reviewers for this project, have reviewed and accepted the calculations, plans, quantities, special provisions, and cost estimate prepared for the project. We certify that the work for which we are responsible has been completed in accordance with the LADOTD Bridge Design Section policy on QC/QA.

Team Members	Name	PE Registration No.	Responsible Plan Sheets	Responsible Special Provisions	Construction Cost Estimate	Signature
Designers						
Design Checkers						
Detailers						
Detail Checkers						
Reviewers						
Peer Reviewer						
Geotechnical Engineer						
Hydraulic Engineer						
EOR						

**Consultant Submittal QC/QA Certification**

Project No.:

Project Name:

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

Submittal Description

**Supervisor or Team Leader Name**

**Signature**

**Date**

## 22. Sub-consultant information:

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

<b>Firm Name (Name must match as registered with Louisiana's Secretary of State)</b>	<b>Address</b>	<b>Point of Contact and email address</b>	<b>Phone Number</b>
<b>Neel-Schaffer, Inc.</b>	10000 Perkins Rowe, Suite G360 Baton Rouge, LA 70810	Nick Ferlito, PE, PTOE nick.ferlito@neel-schaffer.com	225.924.0235
<b>Vectura Consulting Services, LLC</b>	4467 Bluebonnet Blvd., Suite A Baton Rouge, LA 70809-9639	Sheelagh Brin Ferlito, PE, PTOE Principal bferlito@vecturacs.com	225.223.6685

### 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”*