



Arcadis developed this rendering of LA 429 project showing Single Point Urban Interchange (SPUI) alternative from Tier 1 Analysis completed by Arcadis. More renderings of additional alternatives to follow in the tabs of this proposal.

CONTRACT NO. 4400026028 / STATE PROJECT NO. H.012311.2

June 8, 2023

LA 429 CONNECTOR (LA 30 / LA 73 TO US 61)

ROUTES: I-10, LA 429, LA 30

ASCENSION PARISH, LOUISIANA

Thursday, June 8, 2023

Louisiana Department of Transportation and Development
1201 Capitol Access Road, Room 405-E
Baton Rouge, LA 70802-4438

10352 Plaza Americana Drive
Baton Rouge, Louisiana 70816
Phone: 225 292 1004
Fax: 225 218 9677
www.arcadis.com

Subject: **Contract No. 4400026028**
State Project No. H.012311.2
LA 429 Connector (LA 30 / LA 73 to US 61)
Ascension Parish, LA

Dear Project Evaluation Team,

Arcadis and its teaming partners would like to express an interest in the above referenced advertisement. The Arcadis Team has provided dedicated and dependable support to the Louisiana Department of Transportation and Development (LADOTD) through the preparation of comprehensive **National Environmental Policy Act (NEPA) studies for more than 20 years**. Collectively, our team has **completed more than 30 Environmental Assessments and over 10 Environmental Impact Statements** for federally funded transportation projects in Louisiana. Additionally, we have completed multiple **Interchange Modification Reports** for LADOTD. This experience has allowed us to develop strong working relationships with LADOTD project managers and subject matter experts, as well as federal, state, and local agencies throughout Louisiana, with projects covering all nine Districts and over 20 Parishes.

The Arcadis Team has **over ten years' experience supporting LADOTD on the LA 429 Connector** making us uniquely suited to usher the project through Stage 1 Environmental Study. In 2018 Arcadis began an **Interchange Feasibility Study** to identify improvements at the existing interchange at I-10 and LA 73 and at two new interchange locations at I-10 and LA 74 and I-10 at LA 429. Arcadis delivered all tasks required per the LADOTD Traffic Engineering Process and Report (TEPR) through **Preliminary Tier 1 Traffic Alternative Analysis**. All interchange types advanced for the project were based on this alternative development.

Arcadis has strategically added teaming partners that have the depth of staff to support our Environmental, Planning and Roadway teams. The team of Buchart Horn, GEC, SJB, and others have worked together on multiple projects in the past and will continue these successful partnerships. The Arcadis team has extensive experience with Stage 0 Feasibility Studies, in particular the studies for LA 429 and the adjoining LA 74 project. With the combined project knowledge and experience working together as one, the Arcadis team will provide unparalleled level of service on this project for the DOTD.

Perhaps most importantly, the Arcadis Team lives, works, and travels through the communities that will be served by this important project. We are committed to **improving quality of life** for these communities and the Louisiana traveling public. We look forward to the opportunity to continue partnering with LADOTD to improve the safety, service, and reliability of Louisiana's transportation system through sustainable solutions. Thank you for your time and consideration.

Sincerely,
Arcadis



Akhil Chauhan PE, PTOE, PTP, PMP
Senior Vice President, Transportation Services

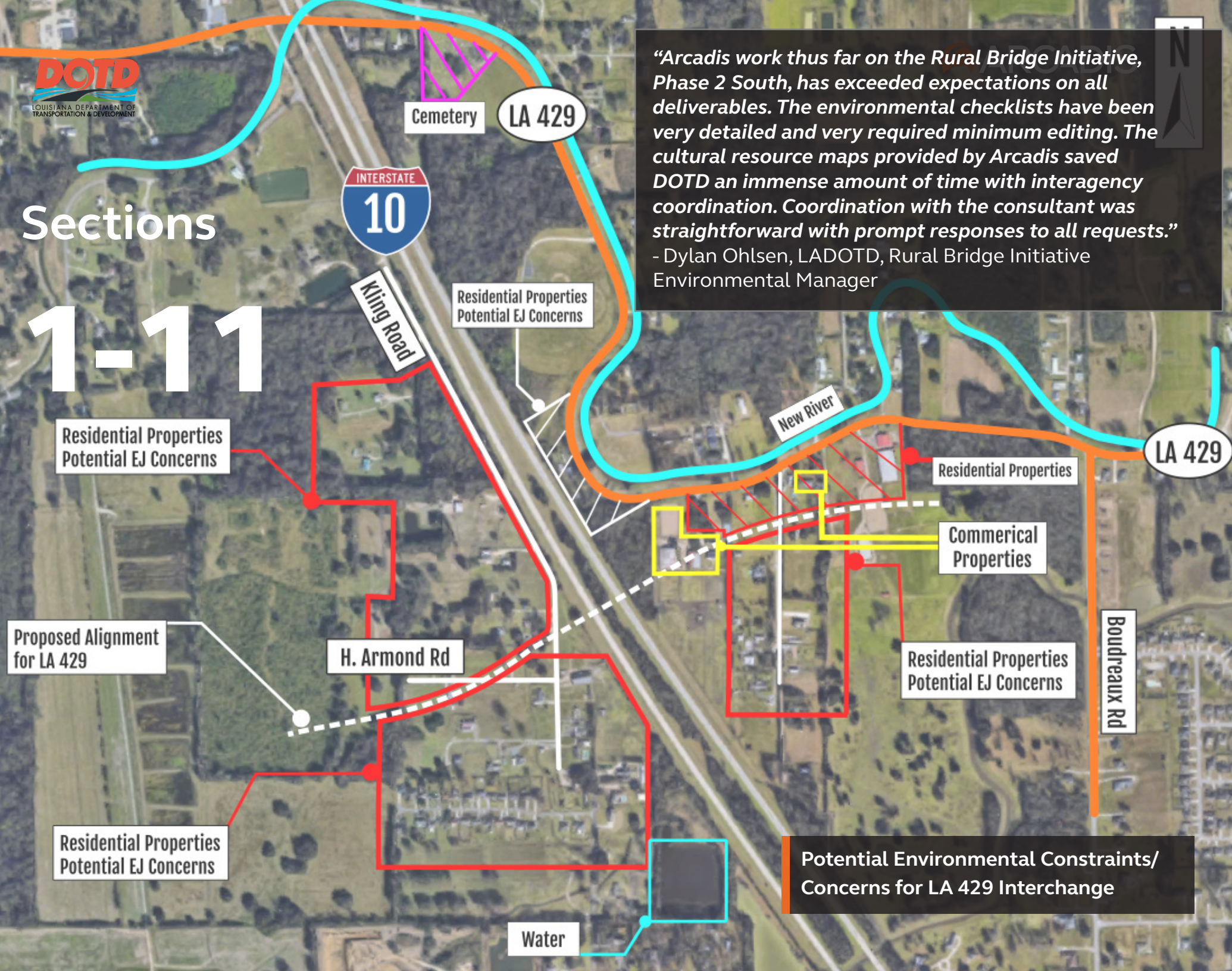


Jason Morrell PWS
Project Manager, Principal Planner

Sections

1-11

"Arcadis work thus far on the Rural Bridge Initiative, Phase 2 South, has exceeded expectations on all deliverables. The environmental checklists have been very detailed and very required minimum editing. The cultural resource maps provided by Arcadis saved DOTD an immense amount of time with interagency coordination. Coordination with the consultant was straightforward with prompt responses to all requests."
- Dylan Ohlsen, LADOTD, Rural Bridge Initiative Environmental Manager




DOTD FORM: 24-102

PROPOSAL TO PROVIDE CONSULTANT SERVICES

(Revised January 1, 2023)

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

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

1. Contract Name as shown in the advertisement	FEDERAL AID PROJECT NO. H012311 LA 429 CONNECTOR (LA 30 / LA 73 TO US 61) ROUTES: I-10, LA 429, LA 30 ASCENSION PARISH
2. Contract Number(s) as shown in the advertisement	CONTRACT NO. 4400026028
3. State Project Number(s), if shown in the advertisement	STATE PROJECT NO. H.012311.2
4. Prime consultant name (name must match as registered with the Louisiana Secretary of State where such registration is required by law)	 ARCADIS ARCADIS U.S., INC.
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	EF.0002808 DUNS 057690414
6. Prime consultant mailing address	10352 Plaza Americana Drive Baton Rouge, LA 70816
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	10352 Plaza Americana Drive Baton Rouge, LA 70816
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Jason Morrell, PWS Principal Planner / Project Manager P. 504 648 3617 E. jason.morrell@arcadis.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Akhil Chauhan, PE, PTOE, PTP, PMP Principal Engineer P. 225 368 6563 E. akhil.chauhan@arcadis.com

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

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.

Akhil Chauhan, PE, PTOE, PTP, PMP

Date: **June 8, 2023**

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.

<u>Firm(s):</u>	<u>Firm(s)' %:</u>
Marmillion/Gray Media	3.50%
GSRC	5.25%
The Lakvold Group	3.00%

LA 30

LA 429

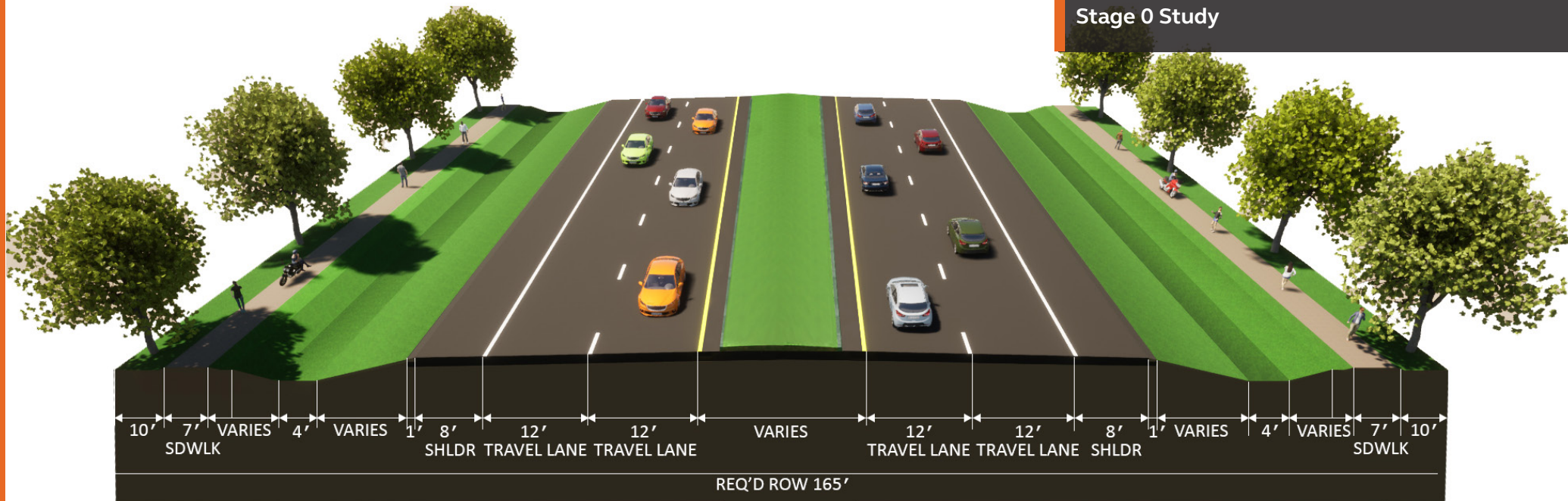


Sections 12-14



Top Image: View of the LA 429 Connector conceptual alignment provided by LADOTD

Bottom Image: LA 429 Connector typical section rendering based on Buchart Horn Stage 0 Study



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	Arcadis	GEC	Buchart Horn	Marmillion/ Gray Media (DBE)	SJB	Lakvold Group (DBE)	GSRC (DBE)	Each Discipline must total to 100%
Environmental	35%	45%	25%	5%	10%			15%	100%
Planning	10%	75%	15%	10%					100%
Traffic	30%	100%							100%
Road	15%	45%	45%	10%					100%
Bridge	5%	55%	45%						100%
Appraiser	3%						100%		100%
Other (Utilities/SUE)	2%					100%			100%
Identify the percentage of work for the <u>overall contract</u> to be performed by the prime consultant and each sub-consultant.									
Percent of Contract	100%	62.75%	19.25%	4.25%	3.50%	2.00%	3.00%	5.25%	





13. Firm Size:

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

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

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

Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
	Archaeologist	1	4
	Biologist/Wetlands	1	4
	CADD Technician	1	2
	Engineer	8	11
	Engineer Intern	4	4
	Engineer-Other	2	2
	Environmental Manager	1	2
	Environmental Professional	1	4
	GIS Analyst	2	4
	Historian	1	3
	Planner	1	2
	Principal	4	4
	Professional	3	3
	Supervisor-Engineer	7	8
	Supervisor Other	1	1
	Supervisor - Eng	4	10
	Biologist / Wetlands	2	2
	Environmental Manager	2	2
	Environmental Pro	1	3
	Engineer	3	11
	Principal	1	2
	Supervisor Engineer	3	4
	Engineer	2	3
	Engineer Intern	1	1
	Planner	1	2

 MARMILLION/GRAY MEDIA (DBE)	Principal	2	2
	Graphics	1	2
	Administrative	1	1
 SJB GROUP, LLC QUALITY BY DESIGN	CADD-Operator	1	1
	Engineer	1	2
	Instrument Man	2	2
	Party Chief	3	3
	Principal	2	4
	Rodman	3	3
	Senior Technician	4	6
	Supervisor – Other	2	3
 GSRC (DBE)	Supervisor – Other	4	8
	Supervisor – Arch	2	3
	Biologist/Wetlands	4	8
	Archaeologist	4	4
	Archaeologist – Tech	4	4
	GIS Analyst	2	2
	Clerical	2	2
 THE LAKVOLD GROUP Commercial Real Estate Appraisers 4222 JEFFERSON AVENUE, SUITE 1 BOSTON, MA 02118 PHONE: 617-221-2448 FAX: 617-221-2449 www.lakvold-group.com	Other (Real Estate Appraiser)	1	2

14. Organizational Chart

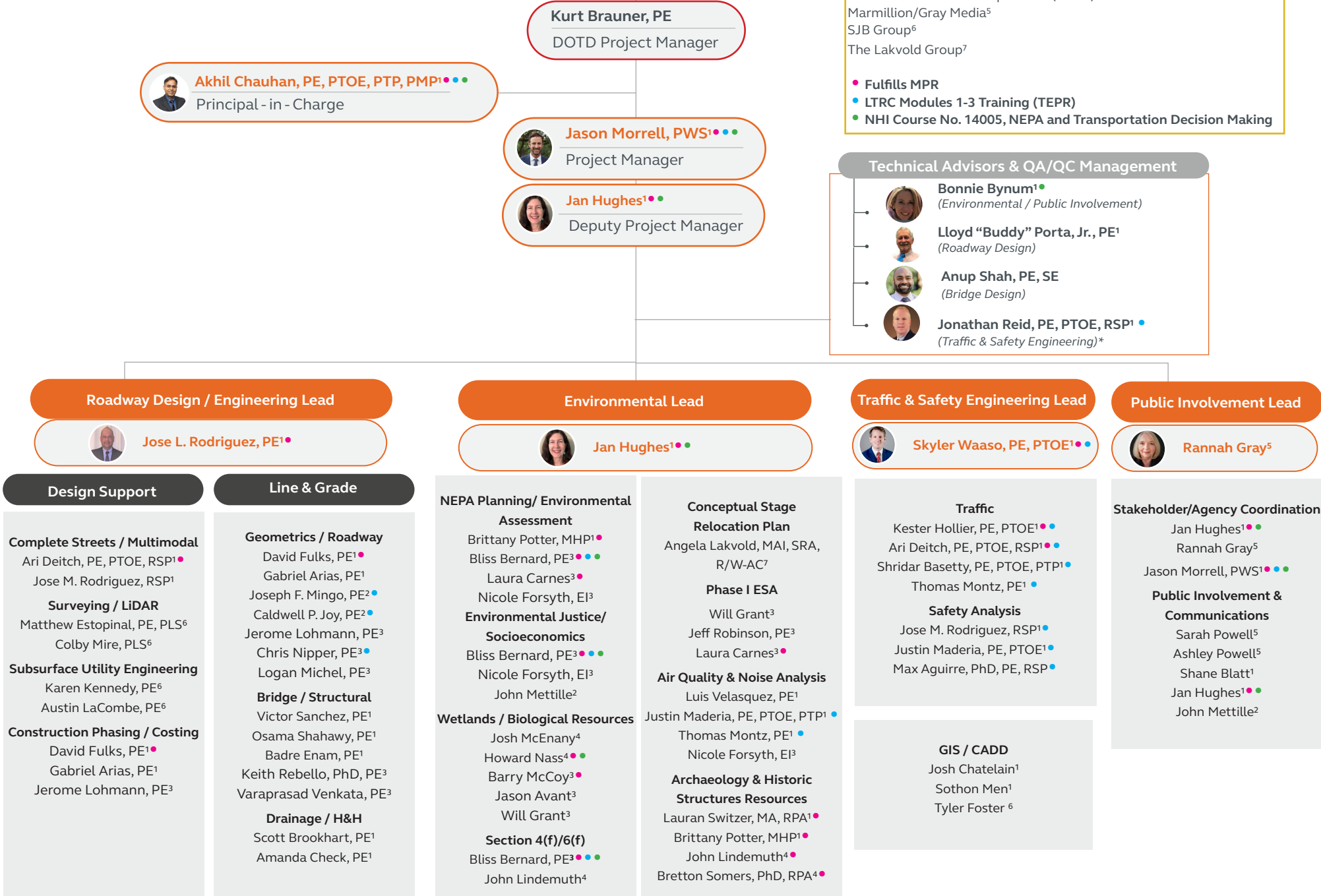


LEGEND:

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Arcadis¹
 Buchart Horn²
 Gulf Engineers & Consultants³
 Gulf South Research Corporation (GSRC)⁴
 Marmillion/Gray Media⁵
 SJB Group⁶
 The Lakvold Group⁷

● Fulfills MPR
 ● LTRC Modules 1-3 Training (TEPR)
 ● NHI Course No. 14005, NEPA and Transportation Decision Making



Sections 15-16

Arcadis:

1. Ouachita River Bridge and US 165 Connector EIS, Ouachita Parish
2. Kansas Lane Connector EA/IMR, Ouachita Parish
3. I-210 Cove Lane/ Nelson Rd. EA, Calcasieu Parish
4. Florida Avenue EA, Orleans & St. Bernard Parish
5. Dijon Extension EA, East Baton Rouge Parish
6. Chef Menteur Pass EA, Orleans Parish
7. Pete's Highway (LA 16) and I-12 Interchange EA, Livingston Parish
8. I49 SEIS, Richoc and Berwick, St. Mary Parish
9. Canal Boulevard Streetcar Terminal EA, Orleans Parish
10. US 11/Norfolk Southern RR Overpass EA, St. Tammany Parish
11. LA 434 EA, St. Tammany Parish
12. El Camino East/West Corridor Environmental Assessment, Natchitoches Parish
13. Kansas Lane-Garrett Road Connector and I-20 Interchange EA, IMR, Ouachita Parish
14. I-49 South – Raceland to Westbank Express EIS, Jefferson, LaFourche
15. Louisiana International Terminal, Port of New Orleans EA, St. Bernard
16. Airline Highway (US 61) North EA, East Baton Rouge Parish
17. Donaldsonville to the Gulf – Flood Risk Reduction EIS, Ascension Parish
18. I-10 at Grand Prairie Highway Interchange EA, Acadia Parish

Buchart Horn:

19. US 84 Improvements EA, Winnfield
20. Houma-Thibodaux to I-10 Corridor EIS, Thibodaux

GSRC:

- 21 LA 3241: I-12 to Bush EIS, St. Tammany Parish
22. I-69 Corridor EIS; Caddo, Bossier, and Desoto Parish
23. North Sherwood Forest Drive Widening EA, East Baton Rouge Parish

Marmillion/ Gray Media:

24. Baton Rouge Loop Tier 1 EIS Project – Multiple parishes
25. Nicholson Corridor High-Capacity Transit System EA, East Baton Rouge

GEC:

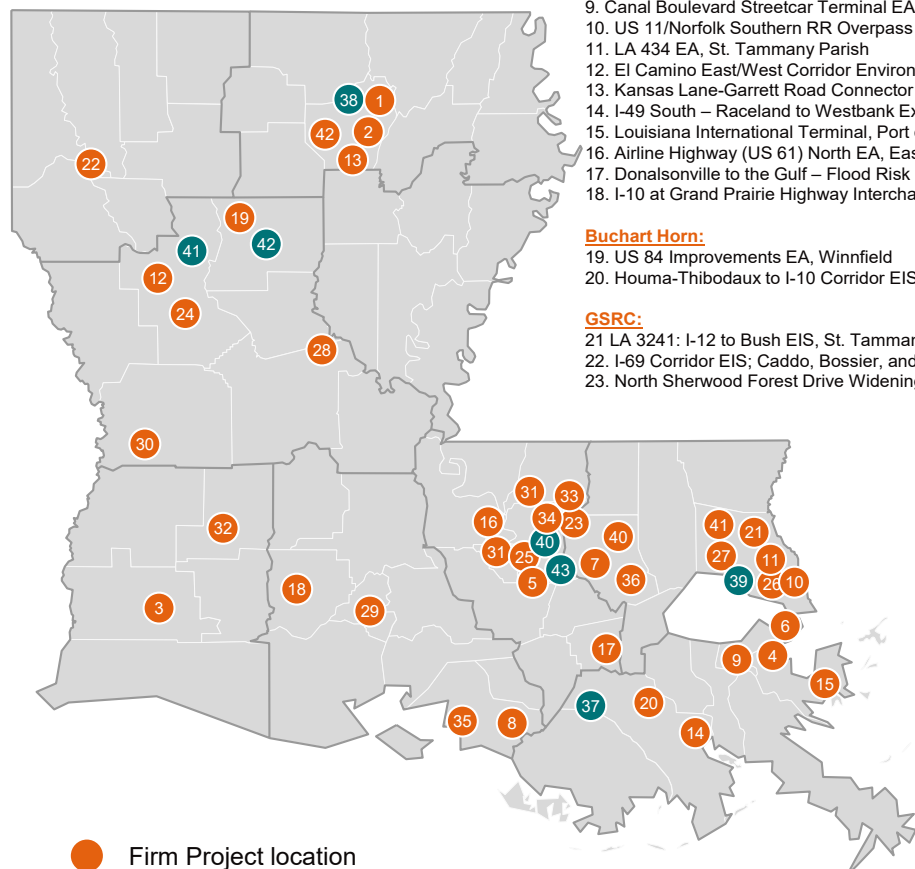
26. US Highway 11 Widening (Lake Pontchartrain-Spartan Drive) EA, Slidell
27. US 190/Collins Blvd. Widening (LA 25 to US 190B) EA, Covington
28. US 71/165 Fort Buhlow Bridge and Approaches EA and Engineering Plans, Alexandria
29. I-49 Connector SEIS, Lafayette, Parish
30. Louisiana TIMED Mangers (LTM) Environmental Program Management EAs, Statewide
31. I-10 Pass Study MIS Phase III EIS, East Baton Rouge Parish
32. US 165 Widening between I-10 and Woodworth EA, Allen Parish
33. Essen Lane / I-12 Interchange EA, East Baton Rouge Parish

The Lakvold Group, LLC:

34. Perkins Road- Siegen Lane to Highland Road EA, East Baton Rouge Parish
35. US 90 (Future I-49) La 318 Interchange EA, St. Mary Parish
36. LA 447 Corridor Study, Route LA 447 EA, Livingston Parish

Team Projects:

37. LADOTD LA 30 EA, Ascension, Iberville, and East Baton Rouge Parish
Arcadis & Marmillion / Gray Media
38. US 80 Widening: Vancil Road to Well Road EA; Ouachita Parish
Arcadis, SJB & Lakvold Group
39. US 90 Pearl River Bridges, Route US 90 EA; St. Tammany Parish
SJB & Lakvold Group
40. Cook Road: LA 16 to Juban Crossing EA; Livingston Parish
SJB & Lakvold Group
41. Cane River Bridge EA; Natchitoches Parish
SJB & Lakvold Group
42. Interstate 10/Loyola Interchange Improvements EA; Jefferson Parish
SJB & Lakvold Group
43. Old Hammond Highway, Segment 1 EA, East Baton Rouge Parish
SJB & Lakvold Group





The Arcadis Team has completed **43**
EA / EIS Projects in the state of Louisiana.

- Firm Project location
- Multi - Firm Project location

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. Do not insert wording from ad	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
1	Akhil Chauhan, PE, PTOE, PTP, PMP (20 years' experience)	 ARCADIS	PE. 33703 / 09/30/2024 – Civil	LA
2	Akhil Chauhan, PE, PTOE, PTP, PMP (20 years' experience)	 ARCADIS	PE. 33703 / 09/30/2024 – Civil	LA
3	Laura Carnes (16 years' experience)	 GEC	NHI Course No. 142005, (NEPA) and Transportation Decision Making	USA
	Bliss Bernard, PE (9 years' experience)	 GEC	NHI Course No. 142005, (NEPA) and Transportation Decision Making	USA
	Jan Hughes (25 years' experience)	 ARCADIS	NHI Course No. 142005, (NEPA) and Transportation Decision Making	USA
4	Jason Morrell, PWS (23 years' experience)	 ARCADIS	Professional Wetlands Specialist No. #2319 / Exp. 04/2028	USA
	Howard Nass (31 years' experience)	 GSRC	-	-
	Barry McCoy (32 years' experience)	 GEC	-	-
5	Lauran Switzer, MA, RPA (23 years' experience)	 ARCADIS	Section 106 of the National Historic Preservation Act Training	-
	John Lindemuth (29 years' experience)	 GSRC	Introduction to Section 106 Review, University of Nevada Heritage Resources Management Program	-
	Bretton Sommers, PhD, RPA (18 years' experience)	 GSRC	Section 106: An Introduction, National Preservation Institute Seminar	-
6	Brittany Potter, MHP (7 years' experience)	 ARCADIS	-	-
7	Jose L. Rodriguez, PE (25 years' experience)	 ARCADIS	PE. 30492 / 03/31/2025 – Civil	LA

	David Fulks, PE <i>(27 years' experience)</i>	 ARCADIS	PE.030151 / Exp. 09/2024 – Civil	LA
8	Skyler Waaso, PE, PTOE <i>(9 years' experience)</i>	 ARCADIS	PE. 39070 / 09/2024 – Civil PTOE. 4600/ 03/2025	LA US
	Kester Hollier, PE, PTOE <i>(19 years' experience)</i>	 ARCADIS	PE. 34304 / 03/31/2025 – Civil PTOE. 3928/ 11/2024	LA US
	Ari Deitch, PE, PTOE, PTP, RSP <i>(11 years' experience)</i>	 ARCADIS	PE. 41842/ 3/31/2024 – Civil PTOE. 4346/ 11/2023	LA US

(Add rows as needed)

MPR Nos. 1 through 3 may be met by the same person.


MPR Nos. 3 through 8 may be satisfied through the use of a sub-consultant(s).

16. Staff Experience

PERSONNEL RESUMES


CONTRACT LEADERSHIP

16. Staff Experience

Firm employed by		ARCADIS		Meets MPR No. 4
Name	Jason Morrell, PWS		Years of relevant experience with this employer	10
Title	Principal NEPA Planner		Years of relevant experience with other employer(s)	13
Degree(s) / Years / Specialization			BS / 1999 / Agriculture / Environmental Economics & Management, University of Georgia	
Active registration number / state / expiration date			Professional Wetland Scientist – #2319 / USA / Exp. 04/2028	
Year registered	2013	Discipline	Wetland Science	
Contract role(s) / brief description of responsibilities.			Project Manager	
Experience dates		Experience and qualifications relevant to the proposed contract		
		Mr. Morrell has over 20 years of experience in environmental planning and ecology in the southeastern U.S. Prior to joining Arcadis, he served as a NEPA Planner and Ecologist with the Georgia Department of Transportation (GDOT) evaluating environmental effects and completing permitting and environmental documentation for transportation projects. His area of expertise includes wetland studies, biological assessment, and environmental permitting, with a focus on Clean Water Act Section 404 permitting and Section 7 Endangered Species Act (ESA) consultation. He is experienced working with the Federal Highway Administration (FHWA), US Army Corps of Engineers (USACE), US Fish & Wildlife Service (USFWS), and state resource agencies. Since 2011, Mr. Morrell has worked almost exclusively on transportation projects and is an active member of the Transportation Research Board Committee on Environmental Analysis and Ecology (AEP70).		
02/17 – Ongoing *Section 17 Project*		I-49 South (Ricohoc to Berwick) SEIS, LADOTD, St. Mary Parish, LA. Project Manager and Ecology Lead for a <i>Supplemental Environmental Impact Statement</i> for the conversion of a 10-mile segment of US 90 to I-49 from Ricohoc to Berwick in St. Mary Parish. Responsibilities include scope and labor hour negotiations during initial project setup, as well as managing the schedule and budget for multiple phases of project delivery including the traffic, line and grade, and environmental studies.		
04/21 – Ongoing		Rural Bridge Replacement Initiative Phase II – Districts 02, 03, 07, 61, and 62, LADOTD, Multiple Parishes, LA. Project Manager and Environmental Lead for 16 state projects involving replacement of 29 state highway bridges. The environmental scope of services for the projects consists of <i>Solicitation of Views, Wetland Studies</i> , Programmatic Categorical Exclusion Checklists, and permitting including USACE Nationwide Permits (NWPs) and Louisiana Department of Natural Resources Coastal Use permits.		
04/16 – Ongoing *Section 17 Project*		Pete’s Highway Interchange Alternative and Environmental Assessment, LADOTD, Livingston Parish, LA. Ecology Lead for wetland delineation and protected species habitat assessment along Range Road in the vicinity of the I-12 interchange for the proposed interchange improvement project. Provided technical review of a Biological Resources and Wetland Findings Report, including required exhibits, in support of the <i>NEPA Environmental Assessment</i> .		
06/22 – Ongoing		Environmental Support Services - Ecology IDIQ Contract, GDOT, Statewide, GA. Project Manager. Responsible for contract management, staffing, and program delivery. Manage a team of staff and subconsultants providing 19 embedded (Support Services) ecologist positions with the GDOT Office of Environmental Services (OES). Also manage a team of ecologists and subconsultants delivering Ecology Initiatives including training media, guidance documents, report templates, programmatic agency agreements and consultants, and on-call services to the GDOT Ecology Section. Provide innovative digital solutions to improve GDOT program delivery including workload management, conflict of interest, and document tracking dashboards.		
09/19 – 06/22		Environmental Support Services IDIQ Contract, GDOT, Statewide, GA. Project Manager and Ecology Lead. Responsible for management of embedded ecology and <i>NEPA staff</i> managing environmental studies on behalf of GDOT, including review of consultant documents. Design and develop ecology initiatives for the GDOT OES including guidebooks and toolkits to update		

	the Environmental Procedures Manual, training materials for contractor prequalification, applications to streamline National Marine Fisheries Service Section 7 ESA and Essential Fish Habitat consultations, and other research initiatives.
07/14 – 07/19	Statewide Ecological Services IDIQ Contract GDOT, Statewide, GA. Deputy Project Manager and Ecology Lead. Responsible for managing embedded ecologists assigned management of ecology studies, permitting, and biological assessment for GDOT projects. Negotiated a menu of services task order for on-call <i>environmental studies</i> providing the client the flexibility to complete tasks quickly to meet project delivery schedules. Managed preparation and provided technical review of supporting <i>NEPA documentation</i> for federally funded <i>infrastructure development and improvement projects</i> . Developed ecology toolkits, guidance documents, and templates for GDOT use and publication in collaboration with regulatory agencies and GDOT staff. Managed a research project evaluating the effectiveness of migratory bird mitigation measures on transportation projects and providing recommendations to GDOT for best management practices.
12/15 – 11/18	Railroad Bridge Replacements, Confidential Class I Railroad Client, Louisiana and Texas. Lead Ecologist. Responsible for <i>wetland delineation and protected species habitat assessments</i> for replacement of two structurally deficient railroad bridges. Completed <i>wetland findings report</i> , including required exhibits, and calculated impacts to streams and wetlands for bridge replacements. Coordinated with design for impact avoidance and minimization and provided technical review of a NWP 14 Pre-Construction Notification (PCN), including permit sketches, submitted to the USACE Fort Worth District.
10/15 – 04/18	North Bayou Black Drive/Hanson Canal Bridge (OSBP) – LADOTD, Terrebonne Parish, LA. Ecologist. Completed a technical review of the <i>Biological Resources and Wetland Findings Report</i> , including required exhibits, prepared for replacement of an off-system highway bridge. Findings from the wetland delineation report were used for a USACE Jurisdictional Determination and Section 404 permit application.
07/16 – 03/18	Bayou Sara Streambank Restoration, West Feliciana Parish Department of Public Works, West Feliciana Parish, LA. Ecologist. Project involved stabilizing the streambank along approximately 3,600 feet along Bayou Sara, where severe erosion is impacting the Town of St. Francisville's Wastewater Treatment Facility, pond levees, and the Parish's only access road (Ferdinand Street) to the Mississippi River. Completed a <i>wetland delineation and protected species habitat assessment</i> within the area proposed for bank stabilization, as well as adjacent staging and access areas. Provided technical review of a <i>Biological Resources and Wetland Findings Report</i> , including required exhibits, and NWP 13 PCN, including permit sketches for bank stabilization for which <i>USACE authorization was successfully obtained</i> .
11/15 – 12/16	SR 234 at Chickasawhatchee Creek Bridge Replacement, GDOT, Calhoun and Dougherty Counties, GA. Lead Ecologist. Responsible for ecology reporting, Section 404 permitting, and Section 7 Endangered Species Act (ESA) consultation for replacement of a load-limited, structurally deficient bridge over Chickasawhatchee Creek 8 miles north of Leary, GA. Prepared a Biological Assessment for the federally listed mussel species and designated critical habitat including development of special provisions to be included in contract documents for species protection. Based on this Biological Assessment, USFWS issued a Biological Opinion concurring with the recommended biological determination to support project <i>NEPA documentation</i> . Successfully obtained an Individual Section 404 Permit for stream and wetland impacts associated with bridge replacement and roadway improvements, including review and coordination of permit sketches.


16. Staff Experience

Firm employed by		ARCADIS		Meets MPR No. 1 & 2	
Name	Akhil Chauhan, PE, PTOE, PTP, PMP		Years of relevant experience with this employer	14	
Title	Principal Engineer		Years of relevant experience with other employer(s)	6	
Degree(s) / Years / Specialization			MS / 2003 / Transportation Engineering, Massachusetts Institute of Technology BS / 2001 / Civil Engineering, Indian Institute of Technology		
Active registration number / state / expiration date			PE.033703 / LA / Exp. 09/30/2024; PTOE #2544 / USA / Exp. 11/2023 PTP #246 / USA / Exp. 12/2024; PMP #1444676 / PA / Exp. 08/2023		
Year registered	2008	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities.			Principal in Charge		
Experience dates		Experience and qualifications relevant to the proposed contract			
		<p>Mr. Chauhan is a principal traffic engineer with 20 years of applied research and industry experience in the fields of traffic engineering, traffic modeling and simulation, transportation planning, demand modeling/forecasting, intersection/corridor analysis, safety studies, and access management. Akhil has successfully led, managed, and mentored numerous projects and personnel related to transportation modeling, simulation, and planning for public agency clients located across the nation including several state Departments of Transportation. He is proficient in the use of many macro-, meso-, and microscopic traffic simulation software programs such as HCS, Vistro, Synchro, SIDRA, Vissim, MITSIM, Dynameq, DynaMIT, TransCAD, Visum, and OREMS.</p>			
04/13 – 10/20 <u>*Section 17 Project*</u>		LADOTD, US 11 Railroad Bridge Replacement and Corridor Improvements Environmental Assessment, St. Tammany Parish. <i>Principal Engineer.</i> Responsible for crash analysis, operating speed tabulations, intersection and corridor analysis, line and grade and public outreach for the proposed widening of US 11 between US 190 (Gause Boulevard) and I-12 in Slidell. Proposed improvements include the replacement of a bridge crossing the Norfolk Southern Railroad. Critically, this project includes analysis of several innovative alternatives for the proposed corridor, including “superstreets” and J-turn concepts.			
07/12 – 11/14 <u>*Section 17 Project*</u>		LADOTD, Chef Menteur Bridge and Approaches Environmental Assessment, Orleans Parish, LA. <i>Principal Traffic Engineer.</i> Responsible for the high-priority bridge replacement EA and Line and Grade Study, responsible for coordinating traffic impact study. Traffic Impact Study coordination included reviewing available data with DOTD traffic engineer to identify gaps and propose additional data needs, investigating planned transportation improvement projects and traffic generators with DOTD and New Orleans RPC, reviewing design hour volumes (DHVs), average daily traffic (ADTs), and peak hour, and 24-hour truck percentages, and reviewing intersection and road segment capacity analyses.			
11/20 – Ongoing		LADOTD, I-10 CMAR, East Baton Rouge Parish, LA. <i>Principal Engineer.</i> Responsible for technical advisory and QAQC of all traffic engineering tasks including development of permanent signing plans, Interchange Modification Reports , and Transportation Management Plans for the widening of I-10 from LA 415 to Essen Lane and improvements to interchanges along this segment. One critical component of the project is maintaining traffic during the construction of new bridge structures. Multiple scenarios are being evaluated using a calibrated mesoscopic model to determine the impacts during construction and mitigations that will be necessary to minimize delay.			
08/18 – 12/19		LADOTD, I-10 Widening Mesoscopic Model and TMP, East Baton Rouge Parish, LA. <i>Principal Engineer.</i> Responsible for supervising development of mesoscopic traffic model used for this project. The object of the study was to develop an existing			

16. Staff Experience

	conditions model. Responsibilities included defining study area, assessing data needs, developing data collection plan, preparing calibration documentation, and preparing model documentation.
01/18 – Ongoing	LADOTD, I-20 Mesoscopic Model and TMP Using Dynameq, Bossier Parish, LA. <i>Principal Engineer.</i> Responsible for supervising development of mesoscopic traffic model to predict queueing, delay and alternate travel patterns due to planned construction on I-20 to replace pavement. The project is anticipated to disrupt traffic in this critical portion of I-20. The project scope includes development and calibration of mesoscopic model, analysis of alternative routes, safety analysis, operational analysis, assistance with public outreach, development of a Level 4 TMP, and development of work zone mitigation strategies.
12/13 – 06/15	LADOTD, LA 3235 Stage 0 Feasibility Study, Lafourche Parish, LA. <i>Project Manager.</i> Responsible for the preparation of a formal traffic and access management Stage 0 study, in accordance with DOTD Stage 0 Manual of Standard Practice, that analyzed alternatives and enhanced mobility and safety on LA 3235. Main tasks included traffic data collection, warrant studies, traffic analysis, safety analysis, development of conceptual layouts, and public outreach . Intersections found to warrant signalization were also modeled in unconventional designs including U-turns, J-turns, and RCUTs. A preliminary cost estimate and conceptual layout drawings were also produced. During the study, it was found that crash modification factors (CMFs) for many access management principles are not found in the HSM's Part C predictive methods. Therefore, proposed a corridor-based approach in which Part D CMFs were applied at the corridor level after using Part C to predict future no-build crashes. This approach predicted changes to crash frequency, crash type, and severity type for the two build alternatives. The predicted crashes provided the opportunity to perform a cost/benefit analysis based on safety.
05/19 - Ongoing	LADOTD, I-20/I-220 Interchange Improvements and BAFB Access Design-Build, Bossier Parish, LA. <i>Principal Engineer.</i> Responsible for overseeing the development of addendum to Interchange Modification Report , Transportation Management Plan, Temporary Traffic Control Plans, and Permanent Signing Plans to accommodate the design and construction of the project. The design-build project includes the modification of the existing interchange at I-20/I-220 with additional ramps and extension of I-220 to provide access to Barksdale Air Force Base.
01/14 – 02/17	LADOTD, Traffic Engineering Retainer - US 71 Corridor Traffic and Safety Study – Phase 1, Rapides Parish, LA. <i>Project Manager.</i> Responsible for the preparation of a corridor study for the purpose of enhancing mobility and safety on US 71 in Alexandria, LA. Main tasks included traffic data collection, warrant studies, traffic analysis, safety data analysis, and development of conceptual layouts. Data collection effort included automated one-week counts, manual turning movement counts and spot speed studies. A preliminary cost estimate and conceptual layout drawings were also produced during the study.
04/16 – Ongoing	LADOTD, Florida Avenue Environmental Assessment, Orleans Parish, LA. <i>Principal Traffic Engineer.</i> Responsible for QA/QC and documentation for the project that includes traffic, environmental, line and grade, and public outreach and involvement services for one of the last projects funded by Louisiana's TIMED Program. The project traverses post-Katrina re-development areas in both Orleans and St. Bernard Parishes. Key considerations include the type and height of the bridge and controlling truck traffic diversion through neighborhoods. Using the New Orleans Regional Planning Commission's SELATRAM travel demand model (TDM), Arcadis coded alternatives for a comparative analysis of partial and full build scenarios.

16. Staff Experience


Firm employed by		ARCADIS		Meets MPR No. 3	
Name	Jan Hughes		Years of relevant experience with this employer	< 1	
Title	Senior NEPA Planner		Years of relevant experience with other employer(s)	25	
Degree(s) / Years / Specialization			BA, Anthropology, Louisiana State University, 1984		
Active registration number / state / expiration date					
Year registered		Discipline			
Contract role(s) / brief description of responsibilities.			Deputy Project Manager/Environmental Lead		
Experience dates		Experience and qualifications relevant to the proposed contract			
		<p>Jan brings 25 years of experience with the LADOTD Environmental Section overseeing the National Environmental Policy Act (NEPA) process for proposed transportation projects, as well as preparing NEPA, Section 106 of the National Historic Preservation Act, and Section 4(f) of the U.S. DOT Act documentation for FHWA and U.S. Coast Guard. She has taken NHI Course No. 142055, NEPA and Transportation Decision Making. Jan has primary responsibility for authoring NEPA documents, including the Airline Highway Environmental Assessment for FHWA for which a FONSI was issued, and the Oaklawn Bridge Categorical Exclusion Reevaluation approved by FHWA. In addition to the projects listed below, throughout her career Jan has provided oversight for numerous staff and consultant prepared NEPA documents for LADOTD and local entities. She has also coordinated with federal, state, and local agencies on other environmental issues. She has conducted public involvement activities, including meetings and hearings. Jan was a project team member in the development of the 2015 Louisiana Historic Bridge Inventory and Section 106 Programmatic Agreement for Treatment of Louisiana Historic Bridges.</p>			
11/22 – Ongoing *Section 17 Project*		US 11 Norfolk Southern Railroad, Route US 11, Environmental Assessment/FONSI, LADOTD, St. Tammany Parish, LA. Coordinating with LADOTD regarding the reevaluation of the FONSI.			
04/23 – 04/23		Airline Highway North (Florida Blvd to I-110), Route US 61, City of Baton Rouge and East Baton Rouge Parish, East Baton Rouge Parish, LA. Assisted with preparation of the Stage 0 checklist.			
10/22 – 05/23 *Section 17 Project*		LA 16 (Pete's Highway)/I-12 Interchange, Route LA 16, Environmental Assessment, LADOTD, Livingston Parish, LA. Coordinated with LADOTD to revise the draft <i>Environmental Assessment</i> to incorporate the rewritten construction phasing section of the document.			
10/22 – 05/23		Rural Bridges Initiative II, Districts 02, 03, 07, 61, and 62, LADOTD. Reviewed and provided comments on draft Programmatic Categorical Exclusion <i>documents for multiple projects</i> .			
02/94 - 08/98		Airline Highway (US 61), Florida Boulevard to Just North of Jefferson Hwy., Environmental Assessment/FONSI, LADOTD, East Baton Rouge Parish, LA. <i>LADOTD NEPA Lead</i> . Widening of this approximately 3.5-mile portion of Airline Highway from four lanes to six lanes. <i>Responsible for handling the NEPA process and primary responsibility for authoring the Environmental Assessment with Programmatic 4(f)</i> Statement for an adjacent park for FHWA for which a FONSI was issued.			

16. Staff Experience

01/11 – 05/15	Bayou Teche Bridge at Oaklawn, Route LA 323, Categorical Exclusion Re-evaluation, LADOTD, St. Mary Parish, LA. <i>LADOTD NEPA Lead.</i> Replacement of this historic, one lane, swing span bridge built in 1942 with a two-lane bridge on existing alignment. Responsible for handling the <i>NEPA process and primary responsibility for authoring the NEPA document approved by FHWA. Also handled the Section 106</i> Consulting Parties process, preparation of the Section 106 Memorandum of Agreement and Programmatic Section 4(f) Statement for adverse impact to the bridge, and the historic bridge marketing and draft agreement for LADOTD's first ownership transfer of a historic bridge to another entity for alternate use.
03/02 - 03/05	Huey P. Long Bridge, Route US 90, Environmental Assessment, LADOTD, Jefferson Parish, LA. <i>LADOTD NEPA Lead.</i> Widening of the highway portions of this historic highway/railroad bridge constructed in the 1930s from two 9-foot-wide lanes to three 11-foot-wide lanes. Responsible for oversight of the <i>NEPA process and consultant preparation of the NEPA document</i> for U.S. Coast Guard. Also handled coordination with the New Orleans Public Belt Railroad and Louisiana State Historic Preservation Officer and preparation of the Section 106 Memorandum of Agreement for the adverse impact to the historic bridge.
01/15 - 12/01	Inner Loop Extension (LA 3132), Ellerbe Road to Flournoy Lucas Road, Environmental Assessment/FONSI, LADOTD and City of Shreveport, LA, Caddo Parish. <i>LADOTD NEPA Lead.</i> Extension of the Inner Loop on new alignment as a four-lane control of access facility with interchanges and upgrade of adjacent roadways. Responsible for oversight of the <i>NEPA process and consultant preparation of the Environmental Assessment for FHWA for which a FONSI was issued.</i>
01/15 - 02/19*	Inner Loop Extension (LA 3132), E. Flournoy Lucas Rd (LA 523) to Future I-69 Corridor, Environmental Assessment, LADOTD and City of Shreveport, Caddo Parish, LA. <i>LADOTD NEPA Lead.</i> Extension of the Inner Loop on new alignment as a four-lane control of access facility from LA 523 to Future I-69 with interchanges and upgrades to adjacent roadways. <i>Responsible for oversight of the NEPA process and consultant preparation of the Environmental Assessment for FHWA.</i>
04/01 - 12/06	I-49 South, Wax Lake Outlet to Berwick, Route US 90, Environmental Impact Statement/ROD, LADOTD, St. Mary Parish, LA. <i>LADOTD NEPA Lead.</i> Upgrade of this 9.3-mile portion of US 90 to a four-lane facility with frontage roads meeting interstate standards. Responsible for oversight of the NEPA process and consultant preparation of the <i>NEPA document for FHWA</i> which was approved as a ROD.
04/01 - 10/05	I-49 South, Lafayette Regional Airport to LA 88, Route US 90, Environmental Impact Statement/ROD, LADOTD, Iberia/Lafayette/St. Martin Parishes, LA. <i>LADOTD NEPA Lead.</i> Upgrade of this 10.8-mile portion of US 90 to a six-lane facility with frontage roads meeting interstate standards. Responsible for oversight of the <i>NEPA process and consultant preparation of the NEPA document for FHWA which was approved</i> as a ROD.
07/15 - 02/19*	I-49 South, I-10 to Lafayette Regional Airport, Route US 90/US 167, Supplemental Environmental Impact Statement (SEIS), LADOTD, Lafayette Parish, LA. <i>LADOTD NEPA Lead.</i> Preparation of a SEIS that includes follow-up to commitments made in the 2003 Record of Decision (ROD) for the upgrade of this 5-mile portion of US 90/US 167 in urban Lafayette to a six-lane facility with frontage roads meeting interstate standards. Responsible for oversight of the NEPA process and the consultant NEPA work, which includes <i>extensive public involvement.</i> Also carried out the SEIS initiation process and re-initiation of the Section 106 process.

*Until retirement from LADOTD in February 2019.


16. Staff Experience

Firm employed by		ARCADIS	
Name	Bonnie Bynum	Years of relevant experience with this employer	18
Title	Project Manager	Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization		BS, Geology University of West Georgia	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities.		Technical Advisor / QAQC (Environmental)	
Experience dates	Experience and qualifications relevant to the proposed contract		
 <p>Ms. Bynum is the National Environmental Policy Act (NEPA), Planning and Natural Resources Department Manager and a Senior Project Manager. She is responsible for the collaboration and coordination of projects among multiple environmental and engineering disciplines, including ecology, and permitting; air quality; noise impacts; cultural resource identification and impact assessment; and traffic studies. She manages and prepares environmental impact documents in accordance with NEPA and leads and develops public outreach programs and meetings. Ms. Bynum has more than 24 years of experience working with various DOTs across the southeast, Federal Highway Administrations (FHWA), State Historic Preservation Offices (SHPO), Environmental Protection Divisions, and the U.S. Army Corps of Engineers (USACE). Certifications/Training include FHWA-NHI NEPA/ Transportation Decision Making; NHI Environmental Justices; National Preservation Institute, Section 106 for Experienced Practitioners; Institute for Participatory Planning and Management Systematic Development of Informed Consent; Streamlining Section 106 and NEPA.</p>			
12/16-10/17	I-75 Commercial Vehicle Lanes (CVLs) Scoping Phase: Monroe/Lamar/Butts/Spalding/Henry Counties, GA for GDOT: <i>Lead Environmental Manager</i> responsible for overseeing the screening of environmental constraints for three concept alternatives for CVLs along a 40-mile corridor of I-75. As part of Arcadis' commitment to our DBE mentoring program, Bonnie guided Aulick Engineering environmental staff on what to screen for, what databases to research, how to work with engineering staff to develop an environmental constraints map and identify environmentally sensitive resources that must be avoided. Additionally, Bonnie worked with her own staff to develop a project justification statement and Need and Purpose Statement to support improved mobility within the I-75 corridor.		
06/16- 03/18	I-16/I-95 Interchange Widening, GDOT, Chatham County, GA. <i>NEPA Lead</i>. Overseeing preparation of Categorical Exclusion (CE) document for I-16 widening between I-95 and I-516, as well as reconstruction of the I-16/I-95 interchange. Successfully provided justification and worked with GDOT and PMC to receive FHWA concurrence to reduce environmental documentation from an EA to a CE in a corridor that involves five historic canals, a community highly concerned with noise impacts, and extensive waters of the U.S. The project has been let to construction.		
10/17 – Ongoing	Kennesaw Mountain Pedestrian Improvement, GDOT, Cobb County, and City of Marietta, GA. <i>Environmental Quality Manager</i>. Responsible for the Environmental Assessment, Finding of No Significant Impact (FONSI) and environmental re-evaluation for an approximately 7-mile multi-use trail. The project was delivered in partnership with the National Park Service, GDOT, Cobb County, and the City of Marietta. Arcadis was responsible for public involvement management and served as agency liaison . The EA was written with specific NEPA requirements of FHWA/GDOT but also included NPS requirements specific to Director's Order (DO)-77-1, which speaks to NPS requirements for wetland and stream delineations. Once FHWA/GDOT approved the		

16. Staff Experience

	document, Arcadis prepared a separate NPS FONSI and Impairment Statement that adopted the FHWA/GDOT EA. The project has been awarded and construction is underway.
06/16 – Ongoing	I-285/SR-400 Interchange EA, GDOT, Fulton County, GA. <i>Quality Control Manager</i> for a fast-track Environmental Assessment (approved by FHWA in 12 months) for the reconstruction of the I-285/SR-400 interchange and the construction of CD lanes along I-285 for approx. 4.5 miles. Technical expertise was used to minimize impacts within a project area that included 20 historic resources/districts, 31 waters of the U.S., an environmental justice community, and a public park. Detailed indirect and cumulative effects analysis and an Individual Section 404 permit required. Currently overseeing re-assessment/re-evaluation efforts associated with design changes by the Design–Build contractor.
11/18 – Ongoing	I-285 Westside Express Lanes, GDOT, Fulton and Cobb Counties, GA. Lead NEPA planner preparing an Environment Assessment for the construction of over 12 miles of managed/tolled lanes along the western segment of I-285. The project will also include the reconstruction of five interchanges. The corridor is flanked with over 60 waters of the US, a major river crossing, two railroads, and major utilities. Environmental analysis will also include in-depth analysis of the effects of tolled lanes on environmental justice communities. Assisting in the stakeholder engagement social media and preparing for a virtual public involvement open house. The Environmental Assessment is schedule to be approved in 2026 and let to a Design-Build Contractor.


16. Staff Experience

Firm employed by		ARCADIS	
Name	Lloyd "Buddy" Porta, Jr., PE	Years of relevant experience with this employer	12
Title	Principal Engineer	Years of relevant experience with other employer(s)	37
Degree(s) / Years / Specialization		BS / 1973 / Civil Engineering, Louisiana State University	
Active registration number / state / expiration date		PE.016425 / LA / Exp. 09/2023	
Year registered	1977	Discipline	Civil Engineer, Environmental Engineer
Contract role(s) / brief description of responsibilities.		Technical Advisor & QAQC (Roadway Design)	
Experience dates		Experience and qualifications relevant to the proposed contract	
		<p>Mr. Porta brings more than 49 years of experience in the transportation field. During his 37-year career at LADOTD, he practiced highway design for 11 years with 8 of those years in responsible charge of a design squad. He spent the next 21 years of his career in project/program management. He managed the Off-System Bridge Replacement Program and the Urban System Program. In 2001 he was tasked with being the LADOTD Transportation Infrastructure Model for Economic Development (TIMED) Program Manager. This \$5 billion program was developed to multi-lane over 500 miles of state highways as well as construct three new bridges; two of these bridges cross the Mississippi River. He spent the last 5 years of his career at LADOTD as the State Road Design Engineer Administrator.</p>	
06/84 – 07/10		<p>LADOTD, Off-System Bridge Program, Statewide, LA. Program Manager. DOTD's First Program Manager for OSBRP. Replaced/rehabilitated existing bridges located on nonfederal routes in the cities and/or parishes in Louisiana. Provided the project and program management. Responsible for the selection of the qualifying sites, the distribution of the federal funds to the participating parishes, the selection of the design consultant, the coordination with the parishes and the consultants, the development of the scope of services and fee for each project, the <i>technical review</i> of the topographic surveys and construction plans and providing comments to the consultants and parishes, and the approval of all invoices.</p>	
10/16 – 02/18		<p>LADOTD Off-System Highway Bridge Replacement Program, North Bayou Black Drive Bridge, Terrebonne Parish, LA. QA / QC Reviewer. Reviewed plans for the replacement of an off-system highway bridge. Detailed design effort included field surveying, right of way adjustments, crash barrier selection, hydraulic analysis, preliminary and final plan preparation, and quantity estimation.</p>	
04/12 – 01/14 <i>*Section 17 Project*</i>		<p>LADOTD, US 11 Railroad Bridge Replacement and Corridor Improvements Environmental Assessment, Slidell, LA. QA / QC Reviewer. Responsible for <i>LADOTD guideline compliance</i> for the replacement and widening of the US 11 roadway overpass of the Norfolk Southern Railroad. The project included evaluating partial and full-access intersection options and bridge alignment and type alternatives for the heavily skewed and long steel span bridge in this urban area of Slidell, Louisiana. Key issues included the bridge's imminent historic status, commercial parking impacts and adapting to the Norfolk Southern right-of-way and travel pattern changes following the construction.</p>	
09/12 – Ongoing		<p>LADOTD, US 165 Connector and Ouachita River Bridge - Environmental Impact Statement, Line and Grade and Toll Study, Monroe, LA. QA/QC Reviewer. Responsible for <i>LADOTD guideline compliance</i>. Three alternatives were developed and evaluated along with various tolling scenarios. All alternatives traverse substantial tracts of wooded wetlands associated with Chauvin Swamp near the Russell Sage Wildlife Management Area.</p>	

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07/15 – 05/19	LADOTD, US 190B at Jefferson Ave. Roundabouts, Covington, LA. <i>QA/QC Reviewer</i> . Supported the construction of a new roundabout in Covington as a quality assurance/quality control reviewer . Plans reviewed included the construction of sidewalk for use by pedestrians.
01/14 – Ongoing *Section 17 Project*	LADOTD, Pete's Highway Environmental Assessment and Alternatives, Livingston Parish, LA. <i>QA/QC Reviewer</i> . Responsible for LADOTD guideline compliance for the high-priority project completing an Environmental Assessment and traffic engineering services related to improving congestion and operations along Range Avenue in the vicinity of I-12. Alternatives include two split diamond interchange options with roundabout, partial clover leaves, and c-d road components at both Range Avenue and the next existing, eastern overpass at Pete's Highway (LA 16) and a diverging diamond interchange alternative at Range Avenue.
04/12 – 01/14	New Orleans Regional Planning Commission, LA 434 Corridor Stage 1 Environmental Assessment, Lacombe, LA. <i>QA/QC Reviewer</i> . Responsible for LADOTD guideline compliance. Environmental Assessment for the widening and improvements of LA 434 between LA 36 and the anticipated new junction with LA 3241 near LaCombe, LA in St. Tammany Parish. The project involved stream permit application coordination.
10/90 – 10/10	LADOTD, Urban System Program, LADOTD, Statewide, LA. <i>Program Manager</i> . Responsible for consultant selection, coordinating with metropolitan planning organizations (MPOs) and city/parish officials , coordinating with LADOTD Planning Section, developing the scope of services and fee for the projects, reviewing construction plans and providing comments to the consultants and city/parish, and approving all invoices. Responsible for developing the Urban Systems Program Seminar, which provided information on the processes and procedures used in the program. Served as project manager for signal projects in St. Bernard, Orleans, St. Tammany, and Ouachita Parishes
09/01 – 05/06	LADOTD, Transportation Infrastructure Model for Economic Development (TIMED) Program, Statewide, LA. <i>LADOTD TIMED Program Manager</i> . Worked and coordinated on a daily basis with the TIMED Program Manager (LTM) to develop training, procedures, policies, and guidelines for this Louisiana Constitution mandated program. Monitored program progress and approved consultant invoices as a member of the TIMED Program Executive Committee, reporting directly to the Secretary of the LADOTD. There were 16 projects recognized throughout the state with bonds sold to finance and accelerate the program.
05/06 – 07/10	LADOTD, Road Design Engineer Administrator, Statewide, LA. Responsible for transitioning section focus from project management to roadway design as desired by the Chief Engineer. To support this mandate, organized and coordinated training with FHWA and the Louisiana Transportation Training Education Center to assist with design staff development. Developed a legal seminar in collaboration with the state Attorney General's Office designed for Road Design and other LADOTD sections representing LADOTD in court depositions presented in several LADOTD offices. Responsible for the development of design criteria for Offset Left Turn Lanes and design guidelines for the replacement of bridges on state routes.



16. Staff Experience

Firm employed by		ARCADIS	
Name	Jonathan Reid, PE, PTOE, RSP	Years of relevant experience with this employer	7
Title	Principal Traffic and Safety Engineer	Years of relevant experience with other employer(s)	15
Degree(s) / Years / Specialization		MS / 1999 / Civil Engineering, North Carolina State University, 1999 BS / 1994 / Civil Engineering, Lawrence Technological Institute, 1994	
Active registration number / state / expiration date		PE #027930/ NC / Exp. 12/31/2023 PTOE #1588 / USA / Exp. 03/2026 RSP #104 / USA / Exp. 12/2024	
Year registered	2008	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Technical Advisor and QA/QC (Traffic & Safety Engineering)	
Experience dates	Experience and qualifications relevant to the proposed contract		
	Mr. Reid has more than 22 years of experience. His background includes transportation safety, traffic modeling, intersection design, managed-lane facilities planning, feasibility studies, safety studies and design, Road Safety Assessments, corridor and intersection studies, roundabout design, toll roads, transit projects, sports/entertainment facility planning, highway signing/markings, traffic impact analysis, signal warrants and design, and traffic calming studies. He has managed traffic operations and planning projects for state, federal and municipal clients and developers in the U.S. and abroad.		
01/18 – 05/18	US 61 Corridor Feasibility Study (Airline Hwy), LADOTD, East Baton Rouge Parish, Louisiana. <i>Technical Advisor</i> . Responsible for supervisory and oversight for this <i>feasibility study</i> . The purpose of the study is to assess traffic operations and potential <i>safety improvements</i> for this urban, 4-lane divided highway. Scope of services included traffic data collection and analyses, <i>safety data analyses</i> , future traffic projections considering corridor growth rates, assessment of <i>access management improvements</i> (implementing “Superstreet” concept), and evaluation of concept using HCM and <i>HSM methodologies</i> .		
03/17 – Ongoing <i>*Section 17 Project*</i>	I-49 South (Ricochoc to Berwick) Supplemental Environmental Impact Statement (SEIS), LADOTD, St. Mary Parish, LA. <i>Technical Advisor</i> . Assisted with the development of <i>Tier 1 Analysis</i> to identify a range of <i>feasible alternatives</i> and determine the impacts with respect to traffic operations, <i>safety</i> , and cost.		
06/15 – Ongoing	Safety Project Identification & Evaluation Phase I, Georgia Department of Transportation, Statewide, Georgia. <i>Traffic Engineer</i> . Support role in the development of <i>feasibility studies</i> including the development and validation of high-level concepts intersection operational improvements and concept development for 50+ projects identified by GDOT’s Office of Traffic Operations. Concept studies involved developing feasible and affordable concepts that <i>improve safety</i> and mobility for projects ranging from simple intersection operational improvements to interchange modifications and non-traditional designs such as continuous flow intersections and roundabouts. Each project had desired stipulations such as no right-of-way acquisition, validation of roundabouts, <i>development of best benefit / cost alternatives</i> , <i>construction cost</i> limits, etc. The goal is to identify projects which could be released for construction under an abbreviated construction plan process and utilize GDOT maintenance crews to construct. Processes and standards were developed for the analysis and reporting of these projects that will ultimately assist GDOT in evaluating the feasibility and scope of a project and the State’s best return on investment.		
05/16 – Ongoing	Traffic Safety Design Services, Region B, (Districts 3 & 6), GDOT, Georgia. <i>Project Manager</i> of three-year, \$12M project to provide <i>safety analysis</i> and <i>design service</i> support for GDOT Districts 3 and 6. Responsibilities are to advance safety projects through		

16. Staff Experience

	preliminary traffic engineering and Concept Report phases and complete preliminary and final design. Typical safety projects include <i>Road Safety Audits</i> , evaluation & recommendation of <i>safety countermeasures</i> , and project initiation and plan preparation for safety improvement projects. Projects have included intersection conversion to a roundabout, DDI or other safer intersection forms. As part of this project, developed Intersection <i>Control Evaluation (ICE) tool</i> to automate the evaluation and recommendation for the safest and most <i>cost-effective intersection control type improvements</i> .
07/18 – Ongoing	Feasibility Studies Limited Services Contract for NCDOT. Project Manager. Responsible for managing team in providing array of services including traffic and <i>safety data collection</i> and forecasting, <i>alternative development</i> and analysis, project scoping, <i>concept development layout and design</i> , environmental, hydraulic, utility, and structural reviews, cost estimating and project programming and prioritization. Also performing express design services to expedite project delivery.
10/14 – 03/15	SR 141/State Bridge Road Innovative Intersection, City of Johns Creek, Georgia. Project Manager. Developed and modeled <i>innovative intersection concepts</i> to improve one of the worst intersections in North Fulton County. Provided concept design for both a dual-median U-turn (thru intersection) and median U-turn / Continuous Flow Hybrid alternatives. VISSIM simulation model results showed a 75% reduction in travel delay and a 25% increase in intersection capacity without any substantial right-of-way requirements. Concept is awaiting funding.
07/07 – 10/08	I-75 NW Corridor Draft Environmental Impact Study, GDOT, Cobb and Cherokee Counties, Georgia. Lead Task Manager. Traffic analysis and IMR/IJR development to support EIS document for \$834 million managed lane corridor to improve 26 miles on I-75 and I-575. Supervised the traffic forecasting using ARC 20-county model projections, traffic analysis of study area roadway and intersections (using Synchro / Vissim), and evaluation of impacts and proposed mobility and <i>safety mitigation measures</i> . Managed development of the <i>largest IMR/IJR project ever undertaken in the state</i> , which included microsimulation analysis of all new and modified managed-lane and general-purpose interchanges in the corridor. The IMR/JR was <i>approved months ahead of schedule</i> because FHWA had no comments to address from the first submittal package.
09/09 – 03/11	Roswell Historic Gateway Transportation Improvement Project City of Roswell, Roswell, Georgia. Project Manager. Study to perform public involvement, traffic analysis, design concept, environmental study and <i>EA document preparation</i> , and preparation of preliminary plans to improve Atlanta Street between SR 120 and the Chattahoochee River (1.5 miles) by removing a current reversible lane system. Study included innovative solutions to solve controversial project needs, including multi-lane roundabouts, non-traditional interchange concepts and <i>context sensitive design</i> to minimize impact to adjacent National Park Service and historic properties while enhancing business development opportunities in this important historic corridor. Project received the <i>2012 Georgia Partnership for Transportation Quality award for Best Context Sensitive Design and Public Participation</i> .
01/19 – 03/20	NCDOT Congestion Management /Innovative Intersection Guide project. Lead Author in development of the Quadrant Roadway Intersection Informational Guide published by FHWA through a partnership with NCDOT. Guide is the 5 th in a series on innovative intersection designs and highlight national experience with this emerging new intersection form, designed to <i>reduce congestion at bottleneck intersections</i> . There have been four Quadrant Roadways built in the US, and the Guide draws on experience and operational analysis of this new intersection form to encourage other DOT's to implement where appropriate.

16. Staff Experience

Firm employed by			
Name	Anup Shah, PE, SE	Years of relevant experience with this employer	5
Title	Principal Structural Engineer	Years of relevant experience with other employer(s)	24
Degree(s) / Years / Specialization		BS, Civil Engineering, North Carolina State University MS, Civil Engineering, North Carolina State University	
Active registration number / state / expiration date		PE. 0046446/ LA / Exp. 09/30/2024 (Also licensed in NC, SC, TN, MS, AL, VA and GA)	
Year registered	2022	Discipline	Bridge / Structural / Geotechnical
Contract role(s) / brief description of responsibilities.		Technical Advisor & QAQC (Bridge Design)	
Experience dates		Experience and qualifications relevant to the proposed contract	
		<p>Anup Shah, PE, SE brings over 24 years of experience as a structural and geotechnical designing successful design-build projects totaling over \$1B in design and construction fees all along the East Coast and will bring this knowledge of accelerated engineer designing various types of prestressed concrete girders and cored slab beams, culverts, pile foundations, drilled piers, retaining walls, noise barriers, pedestrian bridges, and various other structural systems. Additionally, he has provided insight into projects for Departments of Transportation of various states including South Carolina, Virginia, Tennessee, Georgia, Ohio, Louisiana, Texas and Florida. While at the NCDOT, Anup Shah was the structural team leader for reviewing structural designs for various new products to be implemented into the state system and structural team leader for implementing a statewide standardization of the structural connections for dynamic message signs installed in the state. He was also a core team member for various statewide standardization initiatives by the Geotechnical Engineering and Structures Management Units. These experiences provide him with a unique understanding of the protocols and standards that DOTs around the country expects of their consultants.</p>	
10/20 – Ongoing	<p>LADOTD, I-10 CMAR, East Baton Rouge Parish, LA. Senior Structural Engineer. The scope of this CMAR project includes improvements to I-10 through widening and reconstruction of the main line from three to four lanes in each direction, bridge replacement and rehabilitation along the corridor, interchange and ramp modifications, shoulder widenings, and construction of auxiliary lane(s) from LA 415 to Essen Lane on I-10 and I-12. Responsibilities leading a team of structural engineers include designing and QC of the substructure for the Terrace-Washington bridges, including temporary and permanent bridge widenings. Anup participates in design team meetings. Ensured quality control of the milestone deliverables adhered to established design policies, procedures, standards and guidelines in the preparation and review of all design products for compliance and good engineering practice as directed by a Project Quality Control Plan.</p>		
09/19 – Ongoing	<p>LADOTD, US 90 Business Signing Upgrade, Jefferson & Orleans Parishes, LA. Senior Structural Engineer / Structural Design Task Lead. Responsibilities included leading a team of structural engineers in the design and review of sign support structures that are ground and bridge/structure mounted on existing US90. The 4-segment project required the design of reinforced concrete or steel structures attached to the existing bridge at various locations. At the completion of the final signed and sealed structural design plan set, the design team supported post-design services for the client (DOTD). As the Structural Design Lead, reviewed the RFIs and shop drawing submittals related to the structural elements and confirmed overall conformance to the design plans and project specifications. Also led a team in the development of engineering alternatives and sketched proposed and approved by the contractor/DOTD/Arcadis team.</p>		

16. Staff Experience



10/22 – 11/22	LADOTD, IJIA Off-System Bridge Replacements District 02 – Task Order 1, District 02. <i>Project Manager / QAQC Lead.</i> Responsibilities included leading a team of planners and engineers in the review of 25 bridge sites to determine eligibility into the IJIA Off-System Program, coordination with local stakeholders, provide an initial screening to identify structures appropriate for replacement based on cost as well as purpose and need and recommend structure types for each of the sites selected to the program. Led a team of planners and engineers through. Ensured quality control and quality assurance of all deliverables adhered to established design policies, procedures, standards and guidelines in the preparation and review of all design products for compliance and good engineering practice as directed by a Project Quality Control Plan.
10/19 – Ongoing	Bridge 87 over Richardson Creek (BR-0063), NCDOT Division 10, Anson County, NC. <i>Project Manager / QAQC Lead.</i> Responsibilities include leading a team of planners and engineers in the preliminary design to final design of a 254 foot long bridge replacement from the latest NCDOT Structures Management Unit's limited services contract. As Project Manager, responsibilities include project management duties such as: preparing the design schedule, developing the scope and fee for all in-house design tasks, working with subconsultants to prepare the scope and fee for their services to ensure they will be in compliance with the client's guidelines and expectations, communicating regularly with the design team, senior leadership at the NCDOT Structures Management Unit and Division 10 office.
12/21 – Ongoing	Bridge 23 on US 117 over Great Swamp Creek (BR-0150), NCDOT Division 4, Wilson County, NC. <i>Project Manager / QAQC Lead.</i> Responsibilities include leading a team of planners and engineers to provide planning to final design services of approximately 104 foot long existing bridge. Other responsibilities include providing overall QA on all deliverables, preparing the design schedule, developing the scope and fee for all in-house design tasks, working with subconsultants to prepare the scope and fee for their services to ensure compliance with the client's guidelines and expectations, communicating regularly with the design team, senior leadership at the NCDOT Structures Management Unit and Division 4 office.
10/18 – 05/23	Central Avenue Bridge Replacement, GDOT/City of Atlanta, Atlanta, GA. <i>Structure Design Task Lead / Senior Structural Engineer.</i> As the Structures Design Lead, responsibilities included leading a team of structural engineers in the design and plan preparation for the replacement of a 609 ft long bridge and 4 retaining wall structures in a highly urbanized location for the Renew Atlanta Bond program. The 11-span bridge will utilize multiple superstructure types including GDOT Modified Type I girders, AASHTO Type II girders, flat slab, steel beams and GDOT 54" Bulb Tee girders. The bridge spans across CSX and MARTA rail lines and were subject to reviews and coordination between all stakeholders. As a senior bridge engineer, prepared the preliminary engineering and developed the preliminary plans for the bridge and special design retaining walls.
05/19 – 07/22	2016 GDOT Bridge Bundle #1, Contract 9. GDOT, Bulloch, Effingham, and Evans Counties, GA. <i>Senior Structural Engineer.</i> Arcadis was contracted to replace functionally obsolete and structurally deficient structures on state routes under GDOT's Bridge Replacement Program. Project scope consists of five rural bridge replacements in southeast Georgia. As the Structures Design Lead, responsibilities included leading a team of structural engineers in the design and plan preparation for a 160 ft long bridge replacement (Bridge over Bull Creek) as well as providing QC on the plans and calculations. The 4-span bridge was designed with GDOT Modified Type I girders, AASHTO Type II girders. Reviewed all the plans for the bridge for quality assurance and meeting the expectations of the client. Other responsibilities on this contract included providing QAQC services on the structural design for the bridges over Ogeechee River.

16. Staff Experience

PERSONNEL RESUMES

ENVIRONMENTAL PLANNERS & SPECIALISTS


16. Staff Experience

Firm employed by				Meets MPR No. 3	
Name	Bliss Bernard, PE		Years of relevant experience with this employer	1	
Title	Vice President of Environmental		Years of relevant experience with other employer(s)	8	
Degree(s) / Years / Specialization			B.S. / 2014 / Civil Engineering		
Active registration number / state / expiration date			PE.0042709 / Louisiana / 03-31-2023 (Also licensed in TX and MS)		
Year registered	2018	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities.			Environmental (NEPA)		
Experience dates		Experience and qualifications relevant to the proposed contract			
		<p>Mrs. Bernard is a licensed Professional Engineer with a range of project experience including environmental planning, water resources, coastal/habitat restoration, traffic engineering, and transportation design. She has extensive knowledge of the National Environmental Policy Act (NEPA) regulations and has served as the Project Manager on numerous Environmental Assessments and Environmental Impact Statements for a variety of federal and state agencies, such as LADOTD, FHWA, USDA, NRCS, USACE, NPS, NRDA, LATIG, and CPRA. Her successful experience with various agencies and multi-disciplinary environmental studies brings a unique expertise, broader knowledge, and the ability to manage a range of Environmental Assessments. She has completed the ATSSA Traffic Control Technician, Traffic Control Supervisor, and Certified Flagger training courses, <u>NHI Course NEPA & the Transportation Decision-Making Process</u>, the LADOTD Highway Safety Manual Course, the LADOTD Traffic Engineering Process and Report Training, and the LADOTD Louisiana Road Safety 101 webinar.</p>			
		<p>05/17-05/20</p> <p>H.001271 Cane River Bridge Church Street Environmental Assessment, Natchitoches Parish, LA. Project Manager for the Environmental Assessment of the Cane River Bridge in Natchitoches, LA. Provided the <i>planning, public outreach, and engineering, environmental services</i> necessary to gauge public support and document information necessary for LADOTD and FHWA to reach an environmental decision as required by NEPA. Analyzed project impacts by coordinating and developing various technical studies, including line and grade study, GIS mapping, wetland delineation and threatened and endangered species study, phase 1 environmental site assessment, air and noise impact studies, and cultural resources surveys. Prepared numerous reports and presentations and directed all activities for numerous stakeholder meetings, solicitation of views, public meetings, and public hearings. Through the compilation of all studies required by NEPA and public and agency involvement, <i>authored the Final Environmental Assessment for which a FONSI was issued and authored the first known LADOTD and FHWA "net benefit determination" for Section 4(f) properties in the State of Louisiana.</i></p>			
		<p>05/17-03/22</p> <p>H.009932 US 80 Widening: Vancil Road to Well Road Environmental Assessment, Ouachita Parish, LA. Project Manager on behalf of LADOTD and FHWA to formulate the Environmental Assessment in accordance with NEPA. <i>Analyzed project impacts by coordinating and assisting in developing various technical studies</i>, prepared numerous reports, presentations, postcard mailers, and other documents for stakeholder and community outreach, directed all activities for numerous stakeholder meetings, solicitation of views, public meetings, and public hearings. Hosted one of the first LADOTD virtual public meetings following the COVID-19 pandemic. Through the compilation of all studies required by NEPA and public and agency involvement, authored the <i>Draft Environmental Assessment.</i></p>			
		<p>06/14-08/15</p> <p>H.000758.2 Widening of US 84 From Hwy 772 to just East of Hair Creek Bridge Environmental Assessment Lasalle Parish, LA. Responsible for various tasks, such as: public outreach, environmental documentation, and technical studies as required by the</p>			

16. Staff Experience

	National Environmental Policy Act (NEPA) on this environmental assessment for the proposed widening of US 84 from Highway 772 to just east of Hair Creek Bridge in LaSalle Parish on behalf of LADOTD and FHWA. <i>Authored Environmental Assessment for which FONSI was issued.</i>
01/23- Ongoing	Port of New Orleans Louisiana International Terminal (LIT) Environmental Assessment, St. Bernard Parish, LA. Project Manager on behalf of PONO in developing the Environmental Assessment for the new LIT. Responsible for authoring the Environmental Assessment and supporting documents.
08/19-03/20	LA TIG Restoration Plan/Environmental Assessment #1.3: Rabbit Island Restoration Project & Shoreline Protection at Jean Lafitte National Historic Park and Preserve Project Restoration Plan/Environmental Assessment: Cameron and Jefferson Parishes, LA. Project Manager in developing the Restoration Plan and Environmental Assessment for Rabbit Island Restoration and Shoreline Protection at Jean Lafitte. Served on behalf of CPRA and the Louisiana Trustee Implementation Group (LA TIG) in <i>authoring the Environmental Assessment Report for which FONSI was issued</i> in accordance with the Oil Pollution Act (OPA) and the National Environmental Policy Act (NEPA).
04/2020- 06/2022	Upper West Fork Cypress Bayou Watershed Plan- Environmental Assessment: Bossier Parish, LA. Project Manager for NRCS and the Town of Plain Dealing. Responsible for overseeing all aspects of the project including the management of sub consultants, surveying, modeling, geotechnical analysis, dam design, data collection, stakeholder coordination, environmental, reporting, public outreach, and invoicing. Ms. Bernard organized all public and stakeholder outreach events, including solicitation of views, entry letters, publications, newspaper and press releases, and was responsible for developing and continuously updating the Public Involvement Plan. <i>Authored the Environmental Assessment</i> and Watershed Plan for three dams in accordance with NEPA, USDA-NRCS, and LADOTD state dam safety criteria
06/14-05/16	H.004985 I-12 to Bush Environmental Impact Statement: St. Tammany Parish, LA. Responsible for various tasks such as <i>public outreach, environmental documentation, line and grade report, section 4(f), technical studies, and authoring the draft and final EIS</i> as required by NEPA in coordination with LADOTD, FHWA, and USACE. Led the sub-consultant team to complete a 3rd party EIS for a proposed 4-lane highway from Bush, Louisiana to I-12, providing public outreach, roadway design, & H&H.
06/22-Ongoing	Third Party Environmental Impact Statement for The Mid-Barataria Sediment Diversion Project, Plaquemines Parish, LA. On the project management team for this project. She has assisted in the development of the cumulative impacts, water quality, and overall review of the FEIS. The EIS is being prepared under the direction of USACE to aid in their decision-making regarding CPRA's permit application pursuant to Section 404 of the CWA, Section 10 of the Rivers and Harbors Act, and permissions under 33 U.S.C. Section 408. The EIS is assessing potential negative and beneficial impacts associated with construction and operations. This highly publicized and controversial project includes 7 cooperating and 10 commenting agencies, and 11 consulting tribes and has been placed on the permitting dashboard under the FAST-41 process.
02/18-12/21	Roddy Road/Churchpoint Road Roundabout Redesign, Ascension Parish, LA. Due to funding restrictions, the project was not constructed in a timely manner, and Ascension Parish contracted the prime consultant to update the original submittals. Developed an <i>updated intersection study, revised the environmental categorical exclusion report, and hosted the public meeting.</i> Assisted in updating all other prior plan documents in accordance with new LADOTD standards including geotechnical and pavement design, engineering plans, drainage plans, right-of-way maps, and all other bid and construction documents. <i>Authored the final Categorical Exclusion, which was approved by LADOTD.</i>



16. Staff Experience

Firm employed by		GEC		Meets MPR No. 3	
Name	Laura Carnes		Years of relevant experience with this employer	13	
Title	Principal NEPA Specialist		Years of relevant experience with other employer(s)	3	
Degree(s) / Years / Specialization			B.S. / 1993 / Psychology; M.S. / 2002 / Geography		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities.			Environmental (NEPA/Phase I Environmental Site Assessments)		
Experience dates		Experience and qualifications relevant to the proposed contract			
		<p>Ms. Carnes is an Environmental Professional with more than 16 years of experience preparing Phase I Environmental Site Assessments (ESAs), Environmental Impact Statements (EISs), and Environmental Assessments (EAs) for private and governmental clients including the Baton Rouge Area Chamber of Commerce (BRAC), Baton Rouge Parks and Recreation (BREC), CPRA, HUD, USACE, FERC, FEMA, US Forest Service, and FHWA-DOTD. Ms. Carnes' has completed the training course "ASTM International Environmental Site Assessments for Commercial Real Estate" and is also trained in HAZWOPER in accordance with 29 CFR 1910.120. She has performed numerous assessments to evaluate the presence of hazardous substances and petroleum products in accordance with ASTM Standard Practice for Environmental Site Assessments. Phase I Environmental Site Assessment Process. Her experience also includes preparing EAs and EISs in compliance with the National Environmental Policy Act (NEPA). Through the NEPA process, she has ensured project compliance with applicable laws, regulations, and executive orders for more than 30 projects, particularly as related to ESA, E.O. 12898, Section 106 of the NHPA, E.O. 11990, and USACE Section 10/404/and 408 permitting.</p>			
01/20 – 02/20		<p>Phase I ESA Greenwood Community Park & Baton Rouge Zoo, East Baton Rouge Parish, LA. Environmental Professional. GEC was responsible for investigating the property in order to identify recognized environmental conditions (RECs) within and adjacent to the property. Completed the following investigation procedures in compliance with ASTM E 1527-13 excluding a site investigation. research of available federal, state, and local environmental databases for potential REC sites on, or within a specified distance of, the property; reviews of historical aerial photographs, Sanborn® Fire Insurance Maps, United States Geologic Survey (USGS) topographic maps, and/or published soils and geologic information; interviews with state and local government agency representatives and/or persons knowledgeable of the property regarding documented inspections, violations, incidents, spill response, or past uses of therein; and preparation of a written report that identifies whether the property contains potential RECs and whether or not conditions warrant further investigation.</p>			
04/12 – 09/12		<p>Multiple Phase I ESA's for BRAC, Pointe Coupee Parish, LA. Environmental Professional. Responsible for investigating numerous properties to identify within and adjacent to the following properties. New Roads Industrial Park, Kent East Property, Kent West Property, NRD Industrial Park, Oline Property. Completed the following investigation procedures for all properties in compliance with ASTM E 1527-05. research of available federal, state, and local environmental databases for potential REC sites on, or within a specified distance of, the property; reviews of historical aerial photographs, Sanborn® Fire Insurance Maps, United States Geologic Survey (USGS) topographic maps, and/or published soils and geologic information; interviews with state and local government agency representatives and/or persons knowledgeable of the property regarding</p>			

16. Staff Experience

	documented inspections, violations, incidents, spill response, or past uses of therein; visual observations of accessible portions of the property to identify current and historical REC sites; and preparation of a written report that identifies whether the property contains potential RECs and whether or not conditions warrant further investigation
01/17 – Ongoing	GNOEC, Lake Pontchartrain Causeway, St Tammany and Jefferson Parishes, LA. NEPA Specialist. NEPA Specialist for improvements to the Causeway. She provides <i>regulatory stakeholder solicitation, environmental field investigations and assessments, and National Environmental Policy Act (NEPA) documentation</i> . Several projects have been documented as Categorical Exclusions (CE) since 2011. GEC documented these CE projects in accordance with the DOTD's Environmental of Standard Practice guidance regarding Stage 0 – Feasibility and Stage 1 – Planning/Environmental processes. GEC <i>prepared preliminary Purpose and Need Statements, assessed alternatives, and identified potential environmental constraints</i> using DOTD's Environmental Determination Checklist. GEC prepared and conducted regulatory Solicitations of Views, prepared responses to regulatory comments/guidance, prepared wetland/water body survey reports and prepared Coastal Use Permit applications.
01/14 – 05/17 *Section 17 Project*	H.004987 U.S. Highway 190/Collins Boulevard Widening (US-190B – LA 25), Covington, LA. Environmental Scientist. Participated in the preparation of an <i>Environmental Assessment (with Finding of No Significant Impact) and Line and Grade Study</i> to widen approximately three miles of U.S. 190 in Covington, a project which will include the construction of new bridges across the Bogue Falaya River. Notably, the project proposed the elimination of all signalized intersections within the project corridor and replacement with roundabouts. Led Solicitation of Views coordination with resource agencies to assess project impacts on wetlands, socioeconomics, navigation, floodplains, and other aspects of the human and natural environment.
01/14 – 05/16	H.004983 U.S. HWY. 11 Widening (Lake Pontchartrain to Spartan Drive), Slidell, LA. Environmental Scientist. Preparation of an Environmental Assessment (with Finding of No Significant Impact) and Line and Grade Study for this highway widening project. She played a lead role in conducting regulatory Solicitations of Views and preparing the EA.
01/11 – 06/14	US 190 Collins Blvd. Right Turn Lane at Lee Road, Covington, LA. Environmental Scientist. GEC designed the extension of the existing U.S. Hwy. 190 (Collins Blvd.) northbound right turn lane to the LA Hwy. 437 (Lee Road) intersection, from 200 feet to approximately 2,300 feet. Played a lead role in achieving NEPA compliance for the project in accordance with CEQ and FHWA regulations. <i>Implemented Solicitation of Views coordination with agencies, assessed environmental and socioeconomic impacts for the EA, facilitated public meetings, and responded to public comments.</i>
02/17 – Ongoing	Third Party Environmental Impact Statement (EIS) for The Mid-Barataria Sediment Diversion (MBSD), CPRA, Plaquemines, LA. Stakeholder Facilitator/Co-Project Manager. Project Manager on the GEC Team leading development of a third-party EIS for the MBSD Project being proposed by CPRA. Preparing the EIS on behalf of the U.S. Army Corps of Engineers to support its Section 10/40/408 permit decision. The Mid-Barataria Sediment Diversion is a cornerstone of Louisiana's Coastal Master Plan. Co-Manager for overall development of the EIS and supporting documentation, including agency coordination, development of alternatives, and analysis of environmental impacts.



16. Staff Experience

Firm employed by			
Name	Nicole Forsyth, EI	Years of relevant experience with this employer	6
Title	Environmental Engineer	Years of relevant experience with other employer(s)	14
Degree(s) / Years / Specialization		BS / 2001 / Civil Engineering	
Active registration number / state / expiration date		PE.0019841 / Louisiana / 09-30-2023	
Year registered	2001	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Environmental (Phase I Environmental Site Assessments/Air & Noise)	
Experience dates	Experience and qualifications relevant to the proposed contract		
	<p>Ms. Forsyth has over 20 years of experience in managing NEPA projects for various types of projects including transportation, DOD facilities, civil works, levees and dams, and regulatory projects. Her expertise is in the overall project management, preparation and review of NEPA documents (EISs, EAs, CEs). Her expertise also lies in multi-agency permitting, Noise and Air Studies, and Section 10/404/408 compliance. She served as an EI in LADOTD's Environmental Section for approximately 6 years, where she managed the environmental phase of numerous highway projects.</p>		
03/07 – 08/08	<p>LA 1/I-10 Connector Environmental Assessment (Federal Highway Administration/Louisiana Department of Transportation), West Baton Rouge Parish, LA. <i>Project Manager.</i> The LADOTD and FHWA proposed to develop a connector route between LA 1 and I-10 west of the Mississippi River in West Baton Rouge Parish. The connector would also include an additional crossing over the Intracoastal Waterway (ICWW). The EA analyzed the potential environmental impacts due to the proposed project. Ms. Forsyth managed day to day operations for this EA for the LADOTD and FHWA. She supervised contracted employees and <i>reviewed all NEPA documents</i> prepared by the contractors, <i>co-hosted a public scoping meeting and hearing</i> for the project, and ensured that the project was kept on time and within budget.</p>		
04/07 – 02/08	<p>Noise Study and Air Quality Analysis, La 22 Road Widening, St. Tammany Parish, LA. <i>Project Manager.</i> LADOTD and Greater New Orleans Expressway Commission proposed to widen LA 22 in St. Tammany Parish, Louisiana. Managed and <i>prepared the noise study and air quality analysis</i> for this proposed project. The noise study addressed the potential noise impacts from the proposed project. Used the Federal Highway Administration's (FHWA) Traffic Noise Model (TNM) to model the noise impacts and possible noise barriers for the proposed project. She performed a field noise survey and all related data collection for the noise analysis including site visits, traffic counts and field measurements of actual noise levels. Performed an air quality analysis to determine the conformity of the project and <i>addressed the Section 4(f) issues</i> associated with this project.</p>		
10/15 – 05/17	<p>H.004987 / U.S. HWY. 190 / Collins Boulevard Widening (US-190B – LA 25), Covington, LA. <i>NEPA Specialist.</i> Participated in the preparation of an Environmental Assessment (with Finding of No Significant Impact) and Line and Grade Study to widen approximately three miles of U.S. 190 in Covington, a project which will include the construction of new bridges across the Bogue Falaya River. Notably, the project proposed the elimination of all signalized intersections within the project corridor and replacement with roundabouts.</p>		
2015 – 2016	<p>H.004273.5 / Phase I ESA for the I-49 Connector, Lafayette, LA. <i>Environmental Professional.</i> Prepared a Phase I Environmental Site Assessment (ESA) for I-49 Connector. Phase I ESA performed in accordance with ASTM E 1527-13 standard. Federal, state, and</p>		

16. Staff Experience

	local environmental databases reviewed, historical records researched, pertinent persons interviewed & a site reconnaissance performed. Recognized environmental conditions were determined during assessment & detailed in report.
10/15 – 05/16 *Section 17 Project*	S.P. H.004983 / U.S. HWY. 11 Widening (Lake Pontchartrain to Spartan Drive). Slidell, LA. NEPA Specialist. Prepared an EA for the New Orleans Regional Planning Commission (NORPC) in compliance with FHWA NEPA requirements for the widening of US Highway 11 in Slidell, LA. Tasks included <i>interagency coordination and analyses of project impacts</i> on wetlands, land use and community character, economic activities, cultural and recreational resources, Sections 4(f) and 6(f), noise and air impacts, floodplains, demographics and environmental justice, relocations of homes and businesses, and endangered or threatened species and their habitat. Required environmental studies included, among other tasks, wetlands, threatened and endangered species, floodplains, and a Phase I ESA.
02/17 – Ongoing	Third Party EIS for The Mid-Barataria Sediment Diversion (MBSD), Plaquemines Parish, LA. Project Manager. Project Manager on the GEC Team leading development of a Third-Party EIS for the MBSD Project proposed by CPRA. The EIS was prepared under the direction of USACE, New Orleans District, to aid in their decision-making regarding CPRA's permit application pursuant to Section 404 of the Clean Water Act (CWA) and Section 10 of the Rivers and Harbors Act, and permissions under 33 U.S.C. Section 408. The Third-Party EIS assessed the potential adverse and beneficial impacts associated with the construction and operation of the project. In addition to informing USACE decisions, the EIS was used to inform decisions that the Deepwater Horizon Natural Resource Damage Assessment LA Trustee Implementation Group may make regarding restoration planning under OPA. This highly publicized and controversial project included seven cooperating agencies, 10 commenting agencies, and 11 consulting tribes for the EIS and was placed on the Permitting Dashboard under the FAST-41 process.
09/08 – 01/09	Supplemental EIS for the Inner Harbor Navigation Canal (IHNC) Lock Replacement Project (U.S. Army Corps of Engineers, New Orleans District), New Orleans, LA. Project Technical Assistant. A 1997 EIS evaluated replacement of the IHNC Lock. In 2007, the Federal District Court, Eastern New Orleans District, enjoined the project and required preparation of a supplemental EIS to describe changes in existing conditions after Hurricane Katrina and to analyze impacts from the recommended plan and alternatives on these existing conditions. Prepared the PowerPoint Presentation for the public hearing. Part of a team that addressed over 415 public and agency comments. The accelerated project schedule required a two-week turnaround of responses following closing of the public comment period.
2019	Livingston Parish Airport District (LPAD)/Livingston Executive Airport EA Public Outreach, Livingston, LA. Public Outreach Coordinator. Assisted LPAD with conducting the public outreach in accordance with FAA for the proposed project. This included all activities associated with <i>preparing for and conducting a Public Information Open House (PIOH)</i> in the project area.
2019	U.S. Forest Service Social Branch Trail Environmental Assessment, Grant Parish, LA. NEPA Specialist. Assisted the USFS in preparing for and facilitating public scoping meeting open houses within the project area. This included preparing graphics, handouts, venue coordination, and greeting the public. Prepared a scoping analysis that categorized and analyzed over 100 public scoping comments that were received during the public outreach period.



16. Staff Experience

Firm employed by			
Name	John L. Mettille, Jr.	Years of relevant experience with this employer	5
Title	Senior Environmental Manager	Years of relevant experience with other employer(s)	40
Degree(s) / Years / Specialization		MA / 1977 / Transportation and Urban Geography, Kansas State University; BS / 1978 / Geography and Political Science, University of Wisconsin-La Crosse	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	Environmental Engineering
Contract role(s) / brief description of responsibilities.		Environmental Justice and Public Involvement	
Experience dates	Experience and qualifications relevant to the proposed contract		
	<p>Mr. Mettille is a Senior Environmental Manager for BH's Southern Transportation Operations. He brings extraordinary experience and expertise to our Transportation team. Mr. Mettille began his career in 1977 with the Kentucky Transportation Cabinet's (KYTC's) Division of Environmental Analysis. He served with KYTC for more than 28 years in the following positions: Chief Environmental Program Administrator (CEPA) while Deputy Executive Director of the Office of Project Development and Director, Assistant Director, Branch Manager, and other positions in the Division of Environmental Analysis.</p> <p>Mr. Mettille served as the lead preparer and reviewer for KYTC environmental documents and socioeconomic assessments throughout much of his career there. He also served as the KYTC's NEPA and Section 106 process technical expert. Mr. Mettille is very knowledgeable of the Section 106 process through his experience in managing KYTC's archaeological and historic program and his private sector project experience. Through his presentation and project experiences, Mr. Mettille is well known in the NEPA, CIA, CSS, and Section 106 communities throughout the southeastern US and nationwide.</p>		
03/18 – 08/18	Houma-Thibodaux to I-10 Corridor Environmental Impact Statement (EIS), LADOTD, Southeastern LA. Preparation of an EIS for a new 35-mile controlled access highway providing north/south system linkage between the Houma-Thibodaux areas and I-10. Environmental QA/QC Manager responsible for providing technical oversight on the preparation of an EIS for a new 35-mile controlled access highway providing north/south system linkage between the Houma-Thibodaux areas and I-10.		
1977 - 2005	Kentucky Transportation Cabinet (KYTC)'s Division of Environmental Analysis: Served in the following positions: Chief Environmental Program Administrator (CEPA) while Deputy Executive Director of the Office of Project Development; Director, Assistant Director, Branch Manager and other positions in the Division of Environmental Analysis. Highlights from his career include: <ul style="list-style-type: none"> Served as KYTC's NEPA, Socio-Economic, Community Impact Assessment (CIA), Environmental Justice, and Section 106 process expert. For over 15 years, he managed the cultural resources staff field investigations, Section 106 report preparations and facilitated many of KYTC's controversial Section 106 consulting party meetings. Served as the KYTC's environmental lead for the NEPA and Section 106 processes of the Louisville Southern Indiana Ohio River Bridges Mega Project. Assisted in the development and presentation of Context Sensitive Solutions (CSS) training courses and workshops. Assisted the Secretary in the Cabinet's environmental stewardship culture change. 		

16. Staff Experience

	<ul style="list-style-type: none"> • Developed and presented the KYTC Environmental Leadership training course. • Developed KYTC's first Cabinet wide environmental policy. • Developed and conducted training on the Cabinet's commitment tracking tool, the "CAP" (Communicating All Promises). • Developed and presented training on the FHWA/KYTC Section 106 Streamlining Agreement. • Developed and implemented a Categorical Exclusion Programmatic Agreement with FHWA.
2005 - 2014	CDM Smith, Lexington, Kentucky: Group Leader and Highway/Bridges Environmental Leader; oversaw environmental projects and tasks nationwide, often serving as an environmental quality control task manager or a technical resource for environmental, planning, community and Section 106 issues.
2015 - 2017	Michael Baker International, Louisville, Kentucky: Oversaw environmental projects and tasks nationwide, often serving as an environmental quality control task manager or a technical resource for environmental, planning, community and Section 106 issues.



16. Staff Experience

Firm employed by			
Name	Josh McEnany	Years of relevant experience with this employer	21
Title	Senior Biologist/Wetlands	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2000 / Forest Ecosystem Management	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities.		Wetlands/Biological Resources	
Experience dates	Experience and qualifications relevant to the proposed contract		
	<p>Mr. McEnany joined GSRC in 2000 as a field biologist and with 20 years of experience is now a senior Project Manager. He has been involved in and managed projects related to EAs, BAs, EISs, wetland delineations, water resources permitting, environmental site assessments, and construction monitoring. His primary responsibility is project management; however, his responsibilities also include researching, planning, and preparing biological/environmental reports and participating in field studies. This experience has allowed Mr. McEnany to acquire a sound knowledge of pertinent federal and state environmental regulations.</p> <p>Certifications: Advanced Hydric Soils, Wetland Training Institute (WTI), 2016; Wetland Plant Identification, WTI, 2009; Regulatory IV, Wetland Identification and Delineation Course, 2001</p>		
01/19 – 01/20	<p>Wetland Delineation for Proposed Wind Turbines in Quitman and Tunica County, MS. <i>Project Manager.</i> GSRC was subcontracted by CSRS to perform a <i>wetland delineation</i> across 31,000 acres of agricultural, sloughs, swamps, and natural brakes within Quitman and Tunica Counties, Mississippi. Served as the Project Manager and Senior Wetland Ecologist for this project for GSRC. Led a team of 4 wetland ecologists for a period of three weeks conducting the surveys using sub-meter accurate GPS equipment. The original estimated time to complete the project per CSRS was approximately five weeks; however, the team was able to accomplish the work within only three weeks through the use of innovated mapping tools, wetland delineation tactics, and time management practices. Responsible for coordination between not only his client but also other companies that completed other various tasks not associated with the wetland delineation.</p>		
01/18 – 01/20	<p>Stream Trail Network and Bottomland Hardwood Delineation Survey on New Training Lands for the Joint Readiness Training Center and Fort Polk, LA. <i>Senior Wetland Ecologist.</i> Lead Wetland Ecologist for this task order. Responsible for conducting bottomland hardwood habitat delineation surveys on over 31,000 acres on newly acquired lands for Fort Polk, Louisiana. As part of this process, led a team of wetland ecologists who surveyed the 31,000 acres for potential bottomland hardwood habitat reforestation. Analyzed soils, hydrology, and vegetation to create control points throughout the project area as part of this project. By developing the control points, Establish parameters used for implementing <i>Geographic Information System (GIS)</i> analysis to map and identify potential areas that are currently loblolly pine forest but could be developed into bottomland hardwood habitat. He also participated in development of the bottomland hardwood delineation report, coordination with the USACE, and helped develop a reforestation plan.</p>		

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01/17 – 01/18	Wetland Delineation for Proposed West Hackberry Strategic Pipeline Right-of-Way, Cameron Parish, LA. <i>Senior Wetland Delineator.</i> GSRC was tasked to <i>perform a wetland delineation, provide a wetland findings report, and coordinate with the USACE</i> to obtain a jurisdictional determination. The project corridor project was approximately 2.1 miles and totaled 21 acres of wetland survey area. Responsible for conducting the wetland delineation, authoring the wetland findings report, and working with the USACE to obtain a jurisdictional determination.
01/14 – 01/17	Environmental Assessment for Clearing and Grubbing for Wildlife Hazard Mitigation at West Side of Airfield, England Airpark and Community, Alexandria, LA. <i>Project Manager.</i> GSRC was contracted through Pan American Engineering to prepare an EA for the Airpark that assessed the environmental impacts associated with the clearing and grubbing of 302 acres of fields and woods that surrounds the west boundary of Alexandria England Airpark. Tasked with completing the EA, wetland delineation, and coordinated with the Federal Aviation Administration (FAA) for England Airpark. Developed Section 401/404 permits and obtained mitigation credits for wetlands impacted. Provided oversight of cultural resources aspects of the project, which included mitigation in the form of Phase III data recovery at several sites that were discovered during initial surveys.
09/06 – 12/07	Wetland Delineation for the Burbank Extension Project, East Baton Rouge Parish, LA. <i>Project Manager.</i> Professional Engineering Consultants (PEC) tasked GSRC to perform a wetland delineation, provide a wetland findings report, and coordinate with the USACE to obtain a jurisdictional determination. The project was a corridor project along Burbank Drive for approximately 3.5 miles and totaled 42 acres of wetland survey area. Project Manager for this task for GSRC and his obligations included <i>conducting the wetland delineation, authoring the wetland findings report, and working with the USACE</i> to obtain a jurisdictional determination.



16. Staff Experience

Firm employed by				Meets MPR No. 4	
Name	Howard Nass		Years of relevant experience with this employer	20	
Title	Senior Biologist/Wetlands		Years of relevant experience with other employer(s)	11	
Degree(s) / Years / Specialization			B.S./ 1990/Forest and Wildlife Management		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities.			Wetlands/Biological Resources		
Experience dates		Experience and qualifications relevant to the proposed contract			
		<p>Mr. Nass has 31 years of experience managing and implementing NEPA and NEPA-related studies for various federal, state, and private entities. He has participated in EAs, Biological Assessments (BAs), EIS, wetland determinations and delineations, wetland mitigation bank development, water resources permitting, and natural resources projects throughout the southeastern U.S. Mr. Nass has managed the completion of over a dozen BAs in various states. Mr. Nass has taken the NHI Course No. 142005, "National Environmental Policy Act (NEPA) and Transportation Decision Making".</p> <p>Certifications: U.S. Fish and Wildlife Service (USFWS) Interagency Consultation for Endangered Species, 2006; Basic Wetland Delineation Course, Wetland Training Institute, 1992; Nationwide Wetland Permits, Wetland Training Institute, 1997</p>			
01/13 – 01/19		<p>Interstate 12 (I-12) to Bush Mitigation Plan, LA 3241, St. Tammany Parish, LA. Project Manager. Project Manager for the Bush Mitigation Project. GSRC was contracted by DOTD to <i>prepare a mitigation plan for unavoidable impacts</i> on jurisdictional wetlands associated with the construction of the Interstate 12 (I-12) to Bush highway in St. Tammany Parish, Louisiana required by Section 404 of the Clean Water Act. GSRC researched best methods for identifying mitigation measures for projects similar in and prepared a mitigation report for DOTD. This report provides the methodology used research findings, and recommended best practices for wetland mitigation. GSRC's research identified mitigation practices to streamline the USACE Section 404 permitting process and mitigation requirements, and to reduce costs and liability.</p>			
01/16 – 01/18		<p>Maringouin Wetland Delineations and Section 404 Permitting. Project Manager. GSRC was contracted to conduct a <i>wetland delineation</i> on a portion of land in Iberville Parish, Louisiana, for the proposed construction of outfall drainage improvements. The existing drainage system was ineffective for heavy rainfall events, and it was determined that the outfall could be improved by the construction of a subsurface drainage system. GSRC conducted a wetland delineation of the project area and completed the subsequent Section 404 Permit application.</p>			
01/12 – 01/14		<p>Texada II Mitigation Bank Mitigation Banking Agreement, Texada Properties, Incorporated, Iberville Parish, LA. Project Manager. Managed the development of the Mitigation Banking Instrument for an approximately 106-acre wetland mitigation bank located in Iberville Parish, Louisiana. The site was currently leveed and flooded and used for crawfish production. The goals of the mitigation bank is to restore the natural hydrologic regime within the project site and to rehabilitate and re-establish productive, self-sustaining bottomland hardwood forested wetlands and baldcypress/tupelo gum wetlands. As part of the mitigation bank development process GSRC <i>coordinated with the USACE, New Orleans District</i>, and was able to have the previously issued Jurisdictional Determination accepted and extended. GSRC was also responsible for quantifying the acreage</p>			

16. Staff Experience

	that could be used to restore, create, or enhance wetland communities; developing the Mitigation Bank Prospectus and Mitigation Work Plan; assessing the current and expected value of the wetlands using the Modified Charleston Method; and coordinating with the New Orleans District, as well as the U.S. Fish and Wildlife Service, U.S. Environmental Protection Agency, and Louisiana Department of Wildlife and Fisheries to gain acceptance and approval of the Mitigation Banking Instrument and Mitigation Work Plan. The Mitigation Banking Agreement was prepared in accordance with 33 Code of Federal Regulation 332.4 (Compensatory Mitigation for Losses of Aquatic Resources: Final Rule).
01/11 – 01/14	Rosedale Mitigation Banking Instrument, A. Wilbert's Sons, LLC, West Baton Rouge Parish, LA. Senior Wetlands Biologist. Managed the development of the Mitigation Banking Instrument for an approximately 220-acre wetland mitigation bank located in West Baton Rouge Parish, Louisiana. The goals of the mitigation bank are to restore the natural hydrologic regime within the project site and to rehabilitate and re-establish a productive, self-sustaining bottomland hardwood forested wetland. As well as developing the Mitigation Banking Instrument, conducted a <i>wetland delineation</i> of the wetland mitigation bank site, and coordinated with the USACE, New Orleans District, for a Jurisdictional Determination. A Nationwide Permit 27 was submitted by GSRC on December 15, 2011, and accepted by the Department of the Army on June 11, 2012.



16. Staff Experience

Firm employed by				Meets MPR No. 4	
Name	Richard "Barry" McCoy		Years of relevant experience with this employer	31	
Title	Wetlands Biologist		Years of relevant experience with other employer(s)	1	
Degree(s) / Years / Specialization			BS / 1989 / Wildlife Conservation		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities.			Environmental (Wetlands / Biological Resources)		
Experience dates		Experience and qualifications relevant to the proposed contract			
		<p>Mr. McCoy has experience within the environmental resources field including wildlife hazard assessments, wetland delineations, threatened and endangered species surveys, Habitat Evaluation Procedures (HEP), preparation of numerous NEPA documents, environmental phase I site assessments (Phase I ESAs), and hazardous, toxic, and radioactive waste investigations. He has participated in a Basic Wetland Delineation class conducted by the Wetland Training Institute and a Wetland Plant Identification Workshop conducted by the Wetland Biogeochemistry Institute of Louisiana State University. He has also attended the Wetland Delineation Preparatory course for the Wetland Delineator Certification Program provided through the Wetland Training Institute. Other classes include a Habitat Evaluation Procedures Course, and a 40.Hour Waste Site Operations Course along with annual refresher courses. Having completed numerous projects as lead biologist and/or wetland scientist, Mr. McCoy will serve as Environmental Biologist on this contract, directing any necessary field work.</p>			
04/19 – 12/21		<p>Chevelle Drive and Sarasota Drive Bridge Replacements, East Baton Rouge Parish, LA. Wetland Scientist. Responsible for conducting a <i>wetland delineation, preparing a wetland report</i>, and requesting a Preliminary Jurisdictional Determination from the New Orleans District, Corps of Engineers for both of the bridge replacement locations. Assisted in preparing the necessary Corps of Engineers permit applications for projected impacts to wetlands and other waters within the project area for both replacement projects. (Bridge Recall No(s). 800541 and 800561; City Parish Project No. 18.BRUS.0016).</p>			
02/07 – 04/09		<p>Highland Road (LA 42) Improvements (Perkins to Airline), Baton Rouge, LA. Wetland Scientist. For this Green Light Plan project, GEC designed additional lanes and a raised median for Highland Road from Perkins Road to Airline Highway. Conducted a wetland delineation in accordance with Section D, Subsection 2 of Technical Report Y.87.1, Corps of Engineers Wetlands Delineation Manual as well as the Atlantic and Gulf Coastal Plains Regional Supplement. The results of the delineation were compiled in a formal report and submitted to the New Orleans District, Corps of Engineers for an approved Jurisdictional Determination.</p>			
11/18 – 02/21		<p>I.10 Service Road Bridge Replacements, Slidell, LA. Wetland Scientist. Lead Wetland Scientist responsible for the wetland delineation within the proposed project area. Oversaw the field efforts associated with the project and the preparation of the wetland delineation report. <i>Coordinated with the New Orleans District, Corps of Engineers</i> to request a Preliminary Jurisdictional Determination and assisted in preparing the joint permit application for Louisiana Department of Natural Resources, Coastal Use Permit and the Corps of Engineers Wetland Permit.</p>			

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12/16 – 12/19	Cleveland Street Bridge Replacement, Covington, LA. <i>Biologist.</i> Responsible for conducting a wetland delineation at the project site and obtaining a jurisdictional determination from the New Orleans District, Corps of Engineers. He utilized this information to apply for a Section 10/404 Corps permit as well as a Louisiana Department of Wildlife and Fisheries, Natural and Scenic Rivers System permit.
12/15 – 11/18	La Safe-Airline and Main Complete Streets, LaPlace, LA. <i>Wetland Scientist.</i> Conducted the field surveys for a wetland delineation within the project footprint, <i>prepared a wetland delineation report</i> that was submitted to the New Orleans Corps of Engineers to request a Preliminary Jurisdictional Determination (JD). Prepared and submitted the Corps of Engineers Section 404 Wetland permit application, the Louisiana Department of Natural Resources Coastal Use permit application and requested a Letter of No Objection from the Pontchartrain Levee Board for activities proposed within 1500 feet of the Mississippi River Main Line Levee. He coordinated with all three agencies through the completion of each permit or request.
10/15 – 04/18	US 190 Collins Blvd. Right Turn Lane at Lee Road, Covington, LA. <i>Wetlands Scientist.</i> GEC designed the extension of the existing U.S. Hwy. 190 (Collins Blvd.) northbound right turn lane to the LA Hwy. 437 (Lee Road) intersection, from 200 feet to approximately 2,300 feet. Performed <i>wetland delineations</i> .
10/14 – 02/16	Baton Rouge Lakes Master Plan, Baton Rouge, LA. <i>Lead Biologist.</i> Involved in several tasks for the Baton Rouge Lakes Master Plan an Environmental Scientist. He was one of several scientists responsible for collecting sediment core samples from the lakes at specific locations to characterize the sediment material to be dredged and to analyze it for contaminants. Lead Biologist for a task to identify and map all mature trees within a specific distance from the banks of the lakes. Participated in a water quality analysis effort as an environmental scientist responsible for collecting water quality data and occasional water samples at specified locations throughout the lakes on a weekly basis over a six-week period. Data gathered during all of these tasks have been utilized in the development of the master plan to improve the ecosystem function and recreational opportunities.
06/16 – Ongoing	Greenwood Park Multi-Use Trail Phase II. Baton Rouge, LA. <i>Senior Wetland Scientist.</i> Senior Wetland Scientist responsible for conducting the field work associated with a wetland delineation along the proposed route for the trail and for preparing the wetland delineation report to be submitted to the USACE, New Orleans District for a jurisdictional determination. The project is currently under construction.
06/02 – 06/12	Environmental Surveys and Permitting, Transportation Infrastructure Model for Economic Development (TIMED) Program. Statewide, LA. <i>Lead Field Biologist.</i> Responsible for the completion of wetland delineations; <i>threatened and endangered species surveys</i> ; and the required permit applications necessary for construction of approximately 250 miles of proposed highway right-of-way required for the highway expansion. Responsible for preparing findings reports and submitting these reports to the appropriate state and federal agencies for review and concurrence. Also assisted other Environmental Scientists with Phase I Site Assessments (ESAs) within the right-of-way and Asbestos Inspections of structures impacted by the proposed construction.



16. Staff Experience

Firm employed by			
Name	Jason Avant	Years of relevant experience with this employer	15
Title	Environmental Scientist	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 1989 / Wildlife Conservation	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities.		Environmental (Wetlands / Biological Resources)	
Experience dates	Experience and qualifications relevant to the proposed contract		
	<p>Mr. Avant is an environmental scientist and lead botanist at GEC. He has 15 years of experience in coastal plant communities and has performed numerous wetland delineations, vegetation and habitat surveys, and threatened and endangered species surveys in support of permit applications and NEPA documentation. Mr. Avant's responsibilities also include identification and determination of wetlands and the preparation of reports, client letters, and nationwide general permits. Mr. Avant is also a certified construction inspector with daily tasks including, but not limited to, review of contractor daily work logs, daily inspection reports, production of daily progress reports, and interpretation and enforcement of bid documents and contract provisions.</p>		
02/07 – 04/09	<p>Highland Road (LA 42) Improvements (Perkins to Airline), Baton Rouge, LA. <i>Biologist:</i> For this Green Light Plan project, GEC designed additional lanes and a raised median for Highland Road from Perkins Road to Airline Highway. GEC conducted a <i>wetland delineation</i> in accordance with Section D, Subsection 2 of Technical Report Y-87-1, Corps of Engineers Wetlands Delineation Manual as well as the Atlantic and Gulf Coastal Plains Regional Supplement. The results of the delineation were compiled in a formal report and submitted to the New Orleans District, Corps of Engineers for an approved Jurisdictional Determination.</p>		
11/18 – 02/21	<p>I-10 Service Road Bridge Replacements, Slidell, LA. <i>Biologist.</i> Participated in the wetland delineation within the proposed project area. Provided field efforts associated with the project and the preparation of the <i>wetland delineation report</i>.</p>		
04/19 – 12/21	<p>Chevelle Drive and Sarasota Drive Bridge Replacements, East Baton Rouge Parish, LA. <i>Biologist:</i> Participated in a wetland delineation, preparing a wetland report, and requesting a Preliminary Jurisdictional Determination from the New Orleans District, Corps of Engineers for both bridge replacement locations. Assisted in preparing the necessary Corps of Engineers permit applications for projected impacts to wetlands and other waters within the project area for both replacement projects. (Bridge Recall No(s). 800541 and 800561; City Parish Project No. 18-BRUS-0016)</p>		
01/14 – 05/17	<p>S.P. H.004987 / U.S. HWY. 190 / Collins Boulevard Widening (US-190B – LA 25), Covington, LA. <i>Biologist.</i> Participated in the <i>preparation of an EA (with FONSI)</i>, Line and Grade Study to widen approximately three miles of U.S. 190 in Covington, a project which will include the construction of new bridges across the Bogue Falaya River. Notably, the project proposed the elimination of all signalized intersections within the project corridor and replacement with roundabouts.</p>		
04/17 - Ongoing	<p>LA 66: Big Bayou Sara Bridge Rehabilitation, West Feliciana Parish, LA. <i>Field Inspector.</i> Responsible for monitoring the nesting activities of cliff swallows under the bridge on a weekly basis while contractors were conducting rehabilitation tasks on the</p>		

16. Staff Experience

	bridge. Tasked with keeping records of active and inactive nests, number of birds present at the site, nesting activities, and behavior of the birds while construction activities were conducted. If construction activities disrupted the normal activities of the nesting cliff swallows, responsible for informing the contractor and suspending those tasks until nesting was complete. Weekly reports were submitted to U. S. Fish and Wildlife Service to provide a summary of the nesting activities.
04/07 - Ongoing	Greater New Orleans Expressway Commission (GNOEC), Lake Pontchartrain Causeway, St. Tammany & Jefferson Parishes, LA. <i>Biologist:</i> Biologist for improvements to the Causeway. GEC prepares & conducts regulatory Solicitations of Views, prepares responses to regulatory comments/guidance, conducts wetland delineations, prepares wetland/water body survey reports & prepares Coastal Use Permit applications.
2007 – 2012	700-99-0266 LADOTD Transportation Infrastructure Model for Economic Development (Timed) Program Management, Statewide, LA. <i>Environmental technician/field biologist:</i> Mr. Avant led natural resource surveys for multi-agency permitting on over 250 miles of proposed highway right-of-way acquisition throughout Louisiana. Obtained an LDWF Scenic River Permit for Big Creek, performed multiple wetland delineations, threatened, and endangered species surveys, and environmental site assessments (ESAs) in compliance with ASTM standards.
2010 – 2016	Amite River Diversion Canal Modification Project: Livingston Parish, LA. <i>Field biologist.</i> Performed a wetland delineation of the project area to establish baseline conditions for the EIS wetland sections and wetland value assessment.



16. Staff Experience

Firm employed by			
Name	Will Grant	Years of relevant experience with this employer	18
Title	Environmental Scientist	Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization		BS / 1994 / Biology	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities.		Environmental (Wetlands / Biological Resources) / Phase I ESA	
Experience dates	Experience and qualifications relevant to the proposed contract		
	<p>Mr. Grant has over 27 years experience in the environmental field conducting research, regulatory compliance and enforcement, planning, coordination, and consulting services on federal and state regulatory compliance issues for numerous governmental and private clients. Mr. Grant has successfully worked with the Louisiana Department of Agriculture and Forestry (LDAF), the Louisiana Department of Natural Resources (LDNR), and the Louisiana Department of Environmental Quality (LDEQ) on hazardous material sites for several clients. Mr. Grant has experience conducting site investigations in accordance with LDEQ's Risk Evaluation/Corrective Action Program (RECAP) and Underground Storage Tank Closure/Change-In Service Guidance Document requirements. Mr. Grant is a certified pesticide research and demonstration investigator and holds 40-hour HAZWOPER certification. Mr. Grant has performed over 200 site assessments in accordance with American Society for Testing and Materials (ASTM) Standard E 1527-00, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process in order to identify recognized environmental condition (REC) sites, including active and inactive UST sites, within and adjacent to right-of-way (ROW) required for highway project construction. Investigations have included research of historical photography, federal, state and local environmental databases, fire insurance maps, field reconnaissance, and interviews with regulatory agency officials and others knowledgeable of the project areas.</p>		
04/21 – Ongoing	<p>H.010440 / GNOEC, North Toll Plaza Widening, Mandeville, LA. <i>Environmental Scientist:</i> Completed a wetland delineation and permitting of proposed right-of-way expansion and addition of additional toll lanes at the North Shore Toll Plaza, Mandeville, Louisiana. Responsible for surveying and permitting area or proposed roadway expansion and installation of a retaining wall adjacent to Lake Pontchartrain.</p>		
02/07 – 04/09	<p>Highland Road (LA 42) Improvements (Perkins to Airline), Baton Rouge, LA. <i>Environmental Scientist:</i> Field Crew Leader and Report Manager for the wetland delineation and associated wetland report for the four-lane highway expansion. Project encompassed six distinct wetland communities and other waters over approximately 2 miles of project area. Wetlands delineation included vegetation and soil profile characterization, habitat description, wetland and waterbody boundary determination and mapping, and atypical / problem area assessments.</p>		
06/02-06/12	<p>LADOTD, Transportation Infrastructure Model for Economic Development (TIMED) Program: Louisiana. <i>Environmental Scientist</i> – Mr. Grant functioned as biologist and field team leader for wetland delineation and threatened and endangered species surveys and permitting for the construction of 250 miles, consisting of 37 project segments, of four-lane highway throughout Louisiana. Total project encompassed over 10,000 acres of wetland and endangered species surveys. Subsequent responsibilities included assistance with periodic surveys and habitat assessment updates. Additionally, Mr. Grant conducted multiple Phase I Environmental Site Assessments as well as Phase II Environmental Site Assessments. He prepared a Phase I Environmental Site Assessment Report according to ASTM E1527-00 and a Phase II Report in accordance with ASTM E1903-97 for each of 48 and 150 highway segments, respectively noting recognized environmental conditions within each segment and developing further investigation plans for numerous other sites.</p>		

16. Staff Experience

2000- Ongoing	<p>Phase I and II Environmental Site Assessments (ESAs): Various Locations. <i>Environmental Scientist</i> - Mr. Grant has performed over 200 Phase I and Phase II environmental site assessments. He has performed supervision of all field work, including coordination with property owners, site safety, boring and sample location selection, field equipment operations, collection of samples, and proper site closure. Some of the projects he has performed this work on include:</p> <ul style="list-style-type: none"> • Phase I and II Environmental Site Assessment, Campti School, Campti, Louisiana, U.S. Army Corps of Engineers - New Orleans District – Assisted in the ASTM E1527-05 Phase I Environmental Site Assessment on the Campti School with additional considerations including suspect asbestos and lead-based paint under EPA’s TBA program, and managed the field investigation of asbestos containing material and lead-based paint at an abandoned school complex in accordance with applicable portions of ASTM International Standard E 1903-97, Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process and applicable portions contained in LAC Title 33 Part III Chapters 27, 28 and 51. This assessment was conducted under EPA’s TBA program. • Phase I & II Environmental Site Assessment, Old Moosa Hospital, Eunice, Louisiana, U.S. Army Corps of Engineers - New Orleans District – Assisted in the ASTM E1527-05 Phase I Environmental Site Assessment with additional considerations including suspect asbestos and lead-based paint on the Old Moosa Hospital under EPA’s TBA program. He managed the field investigation of asbestos containing material and lead-based paint at an abandoned hospital complex in accordance with applicable portions of ASTM International Standard E 1903-97, Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process and applicable portions contained in the Louisiana Administrative Code (LAC) Title 33 Part III Chapters 27, 28 and 51. This assessment was conducted under EPA’s TBA program. • Phase I Environmental Site Assessment, The Esplanade, New Orleans, Louisiana, Balance Consulting – Conducted an ASTM E 1527-00 Phase I Environmental Site Assessment with additional considerations including asbestos on The Esplanade apartment building in conjunction with property transfer. • Phase I Environmental Site Assessment, Cinclare Central Factory, Port Allen, Louisiana, Jones, Waldo, Holbrook & McDonough – Conducted an ASTM E 1527-00 Phase I Site Assessment with additional considerations including an environmental compliance review on the Historical Cinclare Central Factory in preparation for a property transfer. • Phase II Environmental Site Assessment, Former St. Matthew’s School, Melrose, Louisiana. U.S. Army Corps of Engineers - New Orleans District — Assisted in the investigation of asbestos containing material and lead-based paint at an abandoned school complex in accordance with applicable portions of ASTM International Standard E 1903-97, Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process and applicable portions contained in LAC Title 33 Part III Chapters 27, 28 and 51. This assessment was conducted under EPA’s TBA program. • Phase II Environmental Site Assessment, Irving Trust/Red Cross, Alexandria, Louisiana. U.S. Army Corps of Engineers - New Orleans District — Managed the field investigation to quantify recognized environmental conditions associated with former uses of the property identified in a Phase I environmental site assessment. Sampled soil via Geoprobe and groundwater via temporary monitoring wells for analysis of chemical constituents and compared the results to RECAP standards in accordance with ASTM International Standard E 1903-97, Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process. This assessment was conducted under EPA’s TBA program.
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16. Staff Experience

Firm employed by				Meets MPR No. 5	
Name	John Lindemuth		Years of relevant experience with this employer	27	
Title	Principal Investigator/Archaeologist		Years of relevant experience with other employer(s)	2	
Degree(s) / Years / Specialization			MA/1994/Anthropology BA/1990/Anthropology/Sociology		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities.			Archaeologist/Principal Investigator		
Experience dates		Experience and qualifications relevant to the proposed contract			
		<p>Mr. Lindemuth has 23 years of experience in cultural resource management. He has participated in and supervised intensive pedestrian archaeological surveys, National Register of Historic Places (NRHP) Eligibility testing, and data recovery excavations in nine states. He has experience in both prehistoric and historic site evaluation and excavation. He has analyzed both historic and prehistoric cultural remains for several different projects. Mr. Lindemuth's experience working with governmental agencies at the local, State, and Federal levels has given him a broad knowledge of compliance with Section 106 of the National Historic Preservation Act (NHPA). Mr. Lindemuth has supervised and participated in chain of title search for historic properties, cultural resources surveys (Phase I), archaeological site testing (Phase II), and data recovery (Phase III). Mr. Lindemuth has also prepared technical reports which outlined the results of all phases of archaeological investigations as well as agreement documents, such as Memorandums of Agreement (MOAs) and Programmatic Agreements (PAs), and preparation of Section 106 Adverse Effects documentation. Mr. Lindemuth is also familiar with Section 4(f) evaluations, the preparation of artifacts and associated records for permanent curation in accordance with curation guidelines, including those published by the Louisiana Division of Archaeology. He has successfully completed the Advisory Council on Historic Preservation's What is Section 106 Training.</p>			
		<p>01/18 – 01/20</p> <p>Cultural Resources Survey of 12.01 Linear Miles and 20 Grading and Construction Easements for the Proposed Rio Grande City Road Improvement Project, Rio Grande City, Texas, Rio Grande Valley Sector, U.S. Customs and Border Protection, Department of Homeland Security, Starr County, TX. <i>Principal Investigator.</i> Mr. Lindemuth served as Principal Investigator for the intensive <i>archeological survey of 12.01 linear miles of road construction and improvement</i> corridor totaling 57.4 acres. The survey included a pedestrian walkover, excavation of shovel test pits, and mechanical deep testing. The survey identified 14 new archaeological sites, revisited and updated two previously identified archaeological sites, and recorded 12 isolated occurrences. Four of the 16 archaeological sites recorded or updated during the surveys were recommended for additional testing to determine their eligibility for the NRHP. Mr. Lindemuth directed crews in the field, <i>co-authored the cultural resources technical report, and integrated the findings in the associated NEPA documentation</i> for the project.</p>			
		<p>01/03 – 10/11</p> <p>Environmental Assessment for the North Sherwood Forest Drive Widening Project, East Baton Rouge Parish, LA. <i>Principal Investigator.</i> Mr. Lindemuth served as the Principal Investigator for this project. He was also responsible for determining any potential impacts to the park located within one of the possible alternate routes proposed in the document. He <i>completed all</i></p>			

16. Staff Experience

	<i>4(f) requirements, coordinated with BREC, the park director, and all other responsible agencies</i> concerning the potential impacts.
01/14 – 01/17	Archaeological Phase II Testing and Phase III Mitigation and Data Recovery at Two Cultural Resources Sites, The McNutt Plantation (16RA692) and the Weil Property (16RA703), for England Economic and Industrial Development District, Alexandria, LA. <i>Principal Investigator.</i> Mr. Lindemuth served as the principal investigator for the combined Phase II NRHP eligibility testing and Phase III data recovery excavations for two historic sites located in Rapides Parish, Louisiana. Mr. Lindemuth aided in the development of the Research Design and Work Plan, culling agreement, the management summaries for both the Phase II and Phase III work, the <i>Memorandum of Agreement to address the adverse impacts on the sites, and the combined Phase II and III technical report</i> . The project recovered over 3,000 artifacts dating from the middle nineteenth to twentieth century found in association with multiple features including foundation piers and a belowground cistern. The production of the management summaries allowed for the expedited review of the project so that it could proceed while the final technical report was completed.
01/07 – 01/16 *Section 17 Project*	Phase I Survey of the proposed I-69 Corridor, Caddo and Bossier Parishes, LA. <i>Principal Investigator.</i> Mr. Lindemuth served as principal investigator and supervised the field excavations during the Phase I survey. The project consisted of multiple phases of data collection that were analyzed using a GIS and used for the planning of the project corridor. The sources of data included known archaeological sites, known historic standing structures, geomorphology of the area, high- and low-probability zones developed by the principal investigator, the geomorphologist, and field director, and the results of a standing structure survey of a preferred corridor. <i>Phase I intensive cultural resources surveys</i> were conducted on the alignment selected using these criteria. Mr. Lindemuth was the <i>primary author of the cultural resources technical report</i> , which outlined the results of the surveys.
01/13 – 01/14	Phase I Cultural Resources Survey for the Proposed England Airpark Clearing and Grubbing for Wildlife Hazards Control. <i>Principal Investigator.</i> Mr. Lindemuth served as the principal investigator for the intensive pedestrian survey of 53 acres for proposed clearing and grubbing. Two archaeological sites, two standing structures, and two isolated finds were recorded during the surveys. None of the sites, standing structures, or isolated finds were recommended eligible for the NRHP. Mr. Lindemuth wrote the technical report outlining the results of the study and also <i>integrated the results into the Environmental Assessment</i> , which was prepared for the project in compliance with the National Environmental Policy Act.



16. Staff Experience

Firm employed by			
Name	Angela Lemoine-Lakvold	Years of relevant experience with this employer	22
Title	Appraiser	Years of relevant experience with other employer(s)	35
Degree(s) / Years / Specialization		MBA / 1998 / University of Louisiana at Lafayette (ULL) BS / 1985 / Business and Public Administration, Louisiana State University (LSU)	
Active registration number / state / expiration date		LA State Certified General Appraiser #G0575 / December 31, 2023	
Year registered	1992	Discipline	General Real Estate Appraiser
Contract role(s) / brief description of responsibilities.		Conceptual Stage Relocation Plan (CSRP)	
Experience dates		Experience and qualifications relevant to the proposed contract	
		<p>Ms. Lemoine-Lakvold has more than 35 years of experience with various roles related to real estate appraisal and appraisal review. She holds the MAI and SRA appraisal designations from the Appraisal Institute and the Right-of-Way/Appraisal Certification from the International Right-of-Way Association. Ms. Lemoine-Lakvold has extensive experience as an appraiser and review appraiser on right-of-way projects for the State, Parish and Local government entities. Ms. Lemoine-Lakvold also has completed several Conceptual Stage Relocation Plans for proposed road widening project.</p>	
11/20 – Ongoing		SPN H.004791, Belle Chasse Bridge & Tunnel, Jefferson Parish and Plaquemines Parish, LA. Complete appraisals for the acquisition of the right-of-way for construction of the project. Project tasks included meeting with property owners, cost consultants, and project managers. Conducts analysis and research of the real estate market and completion of individual appraisals on the various parcels.	
11/16 – 05/20 <i>*Section 17 Project*</i>		SPN H.003047, Pecue Lane/Interstate 10 Interchange, East Baton Rouge Parish, LA. Completed appraisals for the acquisition of the right-of-way for construction of the project. Project tasks included meeting with property owners, cost consultants, and project managers. Conducted analysis and research of the real estate market and completion of individual appraisals on the various parcels.	
12/16 – 04/17 <i>*Section 17 Project*</i>		SPN H.007970, CPP 12-CS-HC-0043 Old Hammond Highway, Segment 1, East Baton Rouge Parish, LA. <i>Completed Conceptual Stage Relocation Plan based on various alternatives.</i> Plan included viewing the project area and research of the market area and real estate transactions and available real estate inventory. Tasks completed included providing completed document for review and inclusion in the Environmental Assessment.	
05/19 – 08/19		SPN H.009932, US 80 Widening: Vancil Road to Well Road, Ouachita Parish, LA. <i>Completed Conceptual Stage Relocation Plan</i> based on various alternatives. Project tasks included viewing the project area and research of the market area and real estate transactions and available real estate inventory. Tasks completed included providing completed document for review and inclusion in the Environmental Assessment.	

16. Staff Experience

03/19 – 06/21	SPN H.007811, Comite River Diversion Canal, East Baton Rouge Parish, LA. Complete appraisals for the acquisition of the right-of-way for construction of the project. Project tasks included meeting with property owners, cost consultants, and project managers. Analysis and research of the real estate market and completion of individual appraisals on the various parcels.
07/19 – 09/19	SPN H.000284 and H.000286, US 90 Pearl River Bridges, Route 90, St. Tammany Parish, LA and Hancock County, MS. Completed <i>Conceptual Stage Relocation Plan</i> based on various alternatives. Project tasks included viewing the project area and research of the market area and real estate transactions and available real estate inventory. Tasks completed included providing completed document for review and inclusion in the Environmental Assessment.
05/19 – 08/19	SPN H.012308, Cook Road: LA 16 to Juban Crossing, Livingston Parish, LA. Completed Conceptual Stage Relocation Plan based on various alternatives. Plan included viewing the project area and research of the market area and real estate transactions and available real estate inventory. <i>Provided completed document for review and inclusion in the Environmental Assessment.</i>
05/19 – 08/19	SPN H.001271, Cane River Bridge, Natchitoches Parish, LA. Completed Conceptual Stage Relocation Plan based on various alternatives. Plan included viewing the project area and <i>research of the market area and real estate transactions</i> and available real estate inventory. Tasks completed included providing completed document for review and inclusion in the Environmental Assessment.
01/18 – 08/19 <i>*Section 17 Project*</i>	SPN H.011670, Interstate 10/Loyola Interchange Improvements, Jefferson Parish, LA. Completed Conceptual Stage Relocation Plan based on various alternatives. Plan included viewing the project area and research of the market area and real estate transactions and available real estate inventory. Tasks completed included providing completed document for review and inclusion in the Environmental Assessment. <i>Attended the public hearings</i> for the project as an appraiser
01/18 – 08/19	SPN H.013690, AIP 3-22-0006-110-2018, Runway 13-31 Safety Area and RPZ /runway Improvements, LA 67/Plank Road, Phase I, East Baton Rouge Parish, LA. Completed appraisals for the acquisition of the right-of-way for construction of the project. Project tasks included meeting with property owners, cost consultants, and project managers. Conducted analysis and research of the real estate market and completion of individual appraisals on the various parcels.



16. Staff Experience

Firm employed by			
Name	Jeffrey Robinson, PE	Years of relevant experience with this employer	27
Title	Civil Engineer	Years of relevant experience with other employer(s)	11
Degree(s) / Years / Specialization		B.S. / 1995 / Civil Engineering	
Active registration number / state / expiration date		29322 / Louisiana / 03-31-2025	
Year registered	2001	Discipline	Civil
Contract role(s) / brief description of responsibilities.		Environmental (Phase I Environmental Site Assessments)	
Experience dates	Experience and qualifications relevant to the proposed contract		
	<p>Mr. Robinson has over 38 years of civil/environmental engineering project management experience and provides planning, coordination, and consulting services for Federal & state regulatory compliance issues for numerous governmental & private sector clients. He is widely respected for his thorough & highly objective approach to environmental and transportation, and geotechnical issues as they relate to permitting, design, federal & state compliance, wetlands, hazardous materials, & other critical issues surrounding major infrastructure projects. His experience includes 27 years of permitting & compliance with USACE, US Coast Guard, & Louisiana DEQ. As Environmental Program (and Public Involvement) Manager, has helped LADOTD complete 37 projects exceeding \$5-Billion in construction costs with on-time lettings. He has completed NHU Course No. 142005 – National Environmental Policy Act (NEPA) and Transportation Decision Making.</p>		
07/15- Present	<p>I-49 Connector, LaFayette Regional Airport to I-10/I-49/US 167 Interchange, LADOD, Lafayette, LA. Environmental Engineer - Mr. Robinson manages a process including environmental, legal, real estate, design, & planning representatives that develops effective screening, evaluation, design, & construction approaches for contaminated sites located within ROW required for the I-49 Connector in Lafayette. He works closely with the Louisiana Department of Environmental Quality to expedite regulatory tasks and decision-making regarding contaminated sites and manages retainer contracts for <i>Phase II and Phase III Environmental Site Assessment (ESA) services</i>. He ensures contaminated sites are not purchased unknowingly; discounts purchase prices for contaminated sites; encourages current owners to begin/complete remediation prior to LADOTD acquisition; develops performance measures and construction methods for sites having use limitations/restrictions; and ensures legal protections are properly addressed and included in purchase documents.</p>		
11/22-Present	<p>Port of New Orleans, Environmental Consulting Services in Support of Louisiana International (LIT) Planning and Permitting: New Orleans, LA. Biological Resources Manager and Hazardous, Toxic, and Radiological Waste (HTRW) Lead - GEC is serving as the prime consultant in developing the Environmental Assessment for the new Louisiana International Terminal (LIT) Port in Violet, LA on behalf of the Port of New Orleans. The Port of New Orleans is investing in a new \$1.8 billion container terminal project—The Louisiana International Terminal – to serve vessels of all sizes, providing goods to support Louisiana's homes and businesses. GEC is preparing a detailed impact analysis for the proposed terminal in accordance with the National Environmental Policy Act (NEPA) and is conducting a range of studies addressing concerns raised by the public. GEC is responsible for the overall development of the Environmental Assessment (EA) in order to secure necessary permits and permissions to construct the proposed LIT in St. Bernard Parish. As Biological Resources Manager, Mr. Robinson manages subject matter experts to ensure impacts to the following natural environment resources are properly assessed: wetlands, coastal resources, vegetation, terrestrial wildlife, and threatened and endangered species. As HTRW Task Lead, Mr. Robinson assesses contaminated site impacts to the human and natural environments in accordance with <i>ASTM E1527 Phase I Environmental Site Assessment (ESA) requirements</i>, ASTM E1903 Phase II ESA investigation findings, and hazardous materials surveys (asbestos, lead-based paint, regulated wastes).</p>		

16. Staff Experience

01/14-05/17	U.S. HWY. 190 / Collins Boulevard Widening (US-190B – LA 25), LADOTD, Covington, LA. <i>Environmental Project Manager</i> - Mr. Robinson's responsibilities included project management for the preparation of an EA with FONSI for the widening of approximately 3 miles of U.S. Hwy 190, a project which will include the construction of new bridges across the Bogue Falaya River, in accordance with DOTD, FWHA, and NEPA requirements. GEC's services included development of a Purpose and Need statement, agency coordination / Solicitation of Views, and preparation of environmental documentation. The EA addressed REC sites, wetlands mitigation and permitting, Sections 4(f) and 6(f) consultations, floodplains, and threatened and endangered species consultations. He was responsible for this NORPC-led effort to improve traffic flow efficiency through the primary north-south roadway corridor.
01/14-05/16	U.S. HWY. 11 Widening (Lake Pontchartrain-Spartan Drive), LADOTD, Slidell, LA. <i>Environmental Project Manager</i> : Mr. Robinson's responsibilities included project management for the preparation of an Environmental Assessment (EA) with Finding of No Significant Impact (FONSI) for the widening of approximately 2.8 miles of U.S. Hwy 11 in Slidell in accordance with DOTD, FHWA, and NEPA requirements, a project which also included plans to raise the highway at its intersection with a flood protection levee. GEC's services included the development of a Purpose and Need statement, agency coordination / Solicitation of Views, and the preparation of environmental documentation. Among other items, the EA addressed REC sites, wetlands mitigation and permitting, Sections 4(f) and 6(f) consultations, floodplains, and threatened and endangered species consultations. The highway was heavily developed to one side and bordered on the other by a waterway. Initial 4-lane build proposals would have negatively impacted residential and commercial properties, and no cost-effective, additional right-of-way was available to construct additional lanes. Mr. Robinson <i>expedited stakeholder and public input to identify alternatives</i> that could be constructed within existing state ROW. The Preferred Alternative increased capacity and reduced congestion without the acquisition of additional ROW.
06/02-06/12	Transportation Infrastructure Model for Economic Development (TIMED) Program, US 165, 167, 425, and 171, and LA 15 LADOTD: Statewide, Louisiana. <i>Environmental Project Manager</i> - The program addressed the construction of more than 260 miles of new highway including 74 new bridges on existing and new alignments throughout Louisiana on an aggressive 10-year schedule subsequently accelerated to eight years. Environmental program functions included regulatory coordination and environmental documentation, permitting, and mitigation with, among other agencies, the U.S. Coast Guard, three U.S. Army Corps of Engineers Districts, numerous parish floodplain administrators, and the LA Department of Wildlife and Fisheries (18 of the 74 bridges crossed LA Scenic Streams). Mr. Robinson hosted a stakeholder outreach meeting in Baton Rouge attended by representatives from LADOTD, USCG, the three Corps Districts, and LDWF to develop standard operating procedures to assess, document, permit, and mitigate the new bridges using a standardized, universal process. Mr. Robinson completed all environmental documentation and permitting in five years, and all projects let in 8 years (2 years early). The program required National Environmental Policy Act (NEPA) evaluations and processing necessary to procure Federal and other environmental permits required for construction and included the several program areas, including American Society for Testing and Materials (ASTM) Standard E 1527, Standard Practice for Environmental Site Assessments: <i>Phase I Environmental Site Assessment Process</i> to identify more than 200 recognized environmental condition (REC) sites, including active and inactive UST sites, within and adjacent to required rights-of-way (ROW).
02/07-04/09	Highland Road (LA 42) Improvements (Perkins to Airline): Baton Rouge, LA. <i>Environmental Engineer</i> - GEC conducted an ESA and wetland delineation. Mr. Robinson oversaw production of the ESA in accordance with the scope and limitations of ASTM E 1527 Standard Practice for Environmental Site Assessments: <i>Phase I Environmental Site Assessment Process</i> . In order to characterize Recognized Environmental Conditions (REC) sites for the project GEC: (1) reviewed federal, state, and local environmental databases; (2) conducted historical research; (3) interviewed pertinent personnel; and (4) performed a site investigation. Assessment revealed no recognized environmental conditions (RECs) on or in project vicinity.


16. Staff Experience

Firm employed by			
Name	Luis Velasquez, PE	Years of relevant experience with this employer	7
Title	Senior Transportation Engineer	Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization		BS / 2012 / Civil Engineering	
Active registration number / state / expiration date		PE.086996 / PA / Exp. 09/2023 PE.045025/ GA / Exp. 12/2023	
Year registered	2017	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Air Quality/Noise Modeling	
Experience dates	Experience and qualifications relevant to the proposed contract		
	<p>Luis Velasquez is an air quality and noise analyst with seven years of experience in transportation engineering. His engineering experience includes developing environmental air and noise special studies for a wide variety of roadway and bridge projects. Services included carbon monoxide analysis using CAL3QHC, Mobile Source Air Toxics (MSAT) analysis, PM2.5 review, ozone conformity review and Traffic Noise Model 2.5 (TNM 2.5) analysis. The air analysis also includes a review of conformity to the National Ambient Air Quality Standards (NAAQS) for ozone, nitrogen dioxide, sulfur dioxide, and lead. Experienced performing noise studies in accordance with FHWA Highway Traffic Noise Policy and Guidance and state DOT noise policies.</p>		
12/18 – 05/19	<p>I-40 at I-77 at Interchange Improvements, TIP Project I-3819, Flatiron Contractors, NC. <i>Noise Subject Matter Expert</i> for the proposing Design-Build Team (Flatiron Constructors), reviewing the design noise report as part of the pre-bid tender phase of the project. The noise analysis review was completed, included becoming familiar with the NCDOT Traffic Noise Policy and providing details of the design noise report to the Design-Build Team. The expert review provided by Luis indicated that the design noise report completed back in 2010 did not meet new NCDOT Traffic Noise Policy requirements. A risk assessment workshop was completed with the roadway engineers, noise team, and contractors to determine how best to estimate for new noise barriers along the project limits.</p>		
07/15 – 05/19	<p>I-85 HOT Lane Extension PI# 110600, CW Matthews Contracting Company, Atlanta, GA. <i>Noise Subject Matter Expert</i> for the proposing Design-Build Team (C.W Matthews Contracting) reviewing the noise report as part of the pre-bid tender phase of the project. Provided details of the noise report to the Design-Build Team and coordinated with roadway design engineers for optimal placement of the required noise barriers. Re-designed and optimized the required noise barriers, while still meeting GDOT Noise Policy, and reduced the project total barrier area by an estimated 50,000 square feet, providing an estimated cost savings of \$1.3M to the contractor.</p>		
07/17 – 05/19	<p>I-85 General Purpose Lane Widening. PI# 110610, CW Matthews Contracting Company, Atlanta, GA. <i>Noise Subject Matter Expert</i> for the proposing Design-Build Team (C.W Matthews Contracting) reviewing the noise report as part of the pre-bid tender phase of the project. Re-designed and optimized the required noise barriers, while still meeting GDOT Noise Policy, and reduced the project total barrier area by an estimated 20,000 square feet, providing an estimated cost savings of \$500K to the contractor.</p>		

16. Staff Experience

09/13 – 03/16	I-285 at Riverside Drive, GDOT, Atlanta, GA. Traffic Engineer. Conducted a <i>traffic noise impact assessment for the proposed Interstate 285 at Riverside Drive interchange modification</i> . Project responsibilities included data collection of existing conditions, and traffic noise modeling for existing, no-build and build conditions using TNM 2.5. Identified potential traffic noise impacts based on the proposed interchange configuration, and investigated the feasibility of noise mitigation measure (barriers) including benefit-cost analysis. Compiled all noise analysis and results into narrative reports and figures.
04/14 – Ongoing	I-285 @ GA 400, GDOT, Metro Atlanta, GA. Traffic Engineer. Conducted <i>traffic noise impact assessment for one of Metro Atlanta's most congested interchanges</i> to support an Environmental Assessment, public involvement, and NEPA Re-Evaluation. Performed data collection of existing conditions, and traffic noise modeling for existing, no-build and build conditions using TNM 2.5. Identified potential traffic noise impacts based on the proposed interchange configuration. Investigated the feasibility of noise mitigation measures (sound barriers) including benefit-cost ratios.
12/15 – 11/17	I-16 at I-95 Interchange Reconstruction, I-16 Widening, GDOT, Chatham County, GA. Air and Noise Engineer. Conducted <i>traffic noise impact assessment and air analysis report for the I-16 at I-95 interchange reconstruction and I-16 Widening</i> Project in Savannah, GA. Responsibilities included data collection of existing conditions, creation of traffic noise modeling for existing, no-build and build conditions using TNM 2.5. Identified potential traffic noise impacts due to proposed interchange configuration and investigated the feasibility of noise mitigation measure (barriers) including benefit-cost analysis. Air quality analysis included CO analysis using CAL3QHC and coordination on MSAT, PM2.5, and ozone analysis. The report also includes a review of conformity to NAAQS for ozone, nitrogen dioxide, sulfur dioxide, and lead.
11/16 – Ongoing	I-20 Over Savannah River Bridge Replacement, GDOT, Richmond County, GA. Traffic Engineer. Conducting traffic noise impact assessment and air analysis report for the I-20 Over Savannah River Bridge Replacement Project in Augusta, GA. Responsibilities included <i>data collection of existing conditions, creation of traffic noise modelling for existing, no-build and build conditions using TNM 2.5</i> . Identify potential traffic noise impacts due to proposed interchange configuration and investigates the feasibility of noise mitigation measure (barriers) including benefit-cost analysis. Air quality analysis included CO analysis using CAL3QHC and coordination on MSAT, PM2.5, and ozone analysis. The report also includes a review of conformity to the NAAQS for ozone, nitrogen dioxide, sulfur dioxide, and lead.


16. Staff Experience

Firm employed by		ARCADIS		Meets MPR No. 5	
Name	Lauran Switzer, MA, RPA, CPM		Years of relevant experience with this employer	1.5	
Title	NEPA Project Manager		Years of relevant experience with other employer(s)	17	
Degree(s) / Years / Specialization			BS / 2004 / Anthropology, Minor in English MA / 2009 / Anthropology		
Active registration number / state / expiration date			16637		
Year registered	2009	Discipline	Register of Professional Archaeologists (RPA) – #16637		
Contract role(s) / brief description of responsibilities.			Archeologist/Principal Investigator		
Experience dates		Experience and qualifications relevant to the proposed contract			
		<p>Ms. Switzer is a qualified archaeologist (36 CFR 61) with 18 years of experience in the field of cultural resources management. She is a project manager and trained prehistoric and historical archaeologist. Luran has worked on a wide range of projects in rural and urban contexts throughout the U.S. Ms. Switzer's professional experience includes National Environmental Policy Act (NEPA) planning, transportation planning and design-build, Section 106 agreement document development, tribal consultation, field management, archival research, laboratory management, state/federal permit compliance, environmental compliance inspection, artifact analysis and curation, technical and research report writing, historical surveys, archaeological assessments, teaching, and public outreach. She has experience in all facets of NEPA documentation and technical report development and production, including historic background research, writing historic context statements, and crafting National Register of Historic Places (NRHP) eligibility evaluation statements. She has successfully completed the Advisory Council on Historic Preservation's What is Section 106 Training.</p>			
		<p>2020 – present</p> <p>I-85 Widening Phase 3 from North of SR 11 to North of U.S. 441. Georgia Department of Transportation (GDOT), Gwinnett County, GA. Environmental Manager. Leads NEPA documentation for this variable scope 13-mile interior highway widening design build project. The project has an aggressive schedule, therefore expedited document preparation time and agency reviews is critical. Conducts weekly team check-ins / status updates for all the disciplines to stay on track for environmental documentation approval by end of June 2021 when project is scheduled for letting.</p>			
		<p>2021 – present</p> <p>Project Adventure. GDOT, Morgan, Walton, and Newton Counties, GA. Environmental Manager and NEPA Lead. Responsible for leading the environmental team on three fast-paced, complex design build projects. Two of the projects are state funded and subject to GEPA review. The third project is a new interchange funded by FHWA and will be a NEPA Environmental Assessment (EA). Currently drafting the EA and managing a very compressed schedule.</p>			
		<p>2020 – present</p> <p>GDOT Environmental Services Region 3 On-Call. GDOT, Districts 5 & 7, GA. Deputy Environmental Project Manager. Assisting environmental team with task orders for Region 3 on-call services in support of preparation of environmental studies, reports, and documents. Scope includes compiling the results of environmental studies into documents that are compliant with NEPA or Georgia Environmental Policy Act (GEPA); conduct QA reviews of environmental studies and NEPA or GEPA documents, and plan and conduct public outreach on behalf of GDOT in accordance with GDOT's Environmental Procedures Manual, Published Environmental Guidance, and the Georgia Department of Transportation Plan Development Process.</p>			

16. Staff Experience

2019 – 2020	Mega Programs Cultural Resources Management Support. Washington State DOT (WSDOT), King County, WA. <i>Embedded Cultural Resource Specialist. Section 106 Lead</i> and project support when WSDOT cultural resource manager was on medical leave to coordinate cultural resource needs for three programs that included three to five design-build projects each, including SR 520 Program, I-405 Program, and Alaskan Way Viaduct Replacement Program. Tasks included tracking Section 106 commitments, served as PI for cultural resources surveys and technical reports, tribal coordination and consultation, reviewing project plans for Section 106 concerns, APE letters, and status of deliverables and SHPO reviews at weekly project delivery meetings.
2019 – 2020	SR 167 Auxiliary Lane and Tolling Improvements. WSDOT/HNTB, King County, WA. <i>Principal Investigator/Project Manager.</i> Responsible for <i>cultural resources survey</i> and lead report author for design-build project that involves constructing an auxiliary lane and sign bridges as well as other tolling and lane improvements where SR 167 intersections I-405 in Kent.
2018 – 2020	I-405 Brickyard Inline Transit Station. WSDOT / HNTB, King County, WA. <i>Principal Investigator/Project Manager.</i> Responsible for coordination of design changes with the team and State Historical Preservation Office (SHPO) for Section 106, PI for cultural resources survey and lead report author for design-build project that involves constructing a pedestrian bridge and inline transit station for Sound Transit in addition to tolling upgrades and lane improvements along the I-405 corridor.
2019 – 2020	I-405 Ripley Lane Downstream Conveyance. WSDOT / HNTB, King County, WA. <i>Principal Investigator/Project Manager.</i> Responsible for cultural resources survey and lead report author for design-build project that would reconstruct existing private conveyance system west of I-405 to restore the stream connection for two fish barrier corrections to be constructed as part of the I-405 Renton to Bellevue Widening and Express Toll Lanes (RTB project).
2016 – 2020	I-5 / Marine View Drive to SR 528 Peak Use Shoulder Lanes. WSDOT / HNTB, King County, WA. <i>Project Manager.</i> Authored <i>Archaeological Monitoring Plan (AMP)</i> for design-build interchange improvement. Drafted and finalized AMP as well as coordinated the Steamboat Springs mitigation area survey.
2012 – 2020	SR 99 Alaskan Way Viaduct Replacement. WSDOT, Seattle, WA. <i>Archaeological Field Lead/Project Manager.</i> Served as field lead for 3.5 years on this series of projects while employed by WSDOT. Responsible for field coordination/scheduling and archaeological monitoring under Section 106 MOA for Alaskan Way Viaduct Replacement (AWVRP) that included one design-build project (SR-99 Tunnel Project or Seattle Tunnel) and three design-bid-build projects that support the AWVRP (Holgate to King Stages 2 and 3, and North / South Access). Duties included drafting contract specifications, reviewing consultant invoices, and directly coordinating/scheduling monitoring support on various projects, as well as ensured contractor followed WSDOT specs outlined in the contracts. Adapted to quickly changing schedules, often worked night/weekend shifts, and coordinated unanticipated discovery response 24/7. Assisted in QV environmental inspection on WSDOT construction projects.
2020 – 2021	Red Top Mountain Road Connector. GDOT, Bartow County, GA. <i>Environmental Manager.</i> Leads <i>NEPA documentation</i> for design-bid-build project that proposes to install a restricted crossing U-turn at the intersection of SR 3/US 41/Joe Frank Harris Parkway at Red Top Mountain Connector, which will prohibit left and through maneuvers from the side street and provide a downstream U-turn.
2018 – 2020	Uinta Basin Railway NEPA Environmental Impact Statement. Seven County Infrastructure Coalition, STB (OEA), UT and CO. <i>Archaeology Lead.</i> Drafted <i>Section 106 plan</i> , schedule, and methodology for proposed project that spans seven counties of Utah and Colorado. Provided cultural resources support and QA / QC of consultant documents.



16. Staff Experience

Firm employed by		ARCADIS		Meets MPR No. 6
Name	Brittany Potter, MHP		Years of relevant experience with this employer	1
Title	Senior Ecologist / Project Manager		Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization		MS / 2016 / Heritage Preservation BA / 2012 / Arts AA / 2010 / Arts		
Active registration number / state / expiration date		N/A		
Year registered		Discipline	N/A	
Contract role(s) / brief description of responsibilities.		Historian/NEPA Planner		
Experience dates	Experience and qualifications relevant to the proposed contract			
	<p><u>Mrs. Potter is an environmental planner and Secretary of the Interior (SOI) qualified architectural historian per 36 CFR Part 61.</u> She has a broad environmental skill set that is used to ensure quality and timely compliance with NEPA regulations for multiple federal agencies including FHWA, FTA, NPS, FRA, and the USACE. GDOT and TxDOT project experience includes planning and feasibility studies as well as pre-construction NEPA and Section 106 of the NHPA studies. She specializes in the identification of and assessments to cultural resources for assignments of varying complexity including Design-Build projects, large highway widenings and new location corridors, interchange reconstructions, and bridge replacements throughout Georgia. Additional experience includes Land Water Conservation Fund (LWCF e.g., Section 6(f)) compliance; Public Involvement coordination; Section 4(f) of the Department of Transportation Act compliance.</p>			
04/21 – Ongoing	<p>Rural Bridge Replacement Initiative Phase II – Districts 02, 03, 07, 61, and 62, LADOTD, Multiple Parishes, LA. NEPA Planner for 16 state projects involving replacement of 29 state highway bridges. Responsible for preparing <i>Solicitation of Views</i>, Programmatic Categorical Exclusions, and <i>Section 106 National Historic Places Act (NHPA) documentation</i>.</p>			
09/21 – Ongoing	<p>Calton Road Grade Separation and Roadway Widening, TXDOT, Webb County, TX. Historian/NEPA Planner responsible for preparation of a Categorical Exclusion Re-Evaluation, <i>Historic Resources Coordination</i>, and public outreach for construction of an overpass structure on Calton Road spanning Santa Maria Road, a Union Pacific main rail line and two spur rail lines in the City of Laredo, TX.</p>			
08/18 – 04/21	<p>GDOT Planning IDIQ, Statewide, GA. NEPA Lead / Environmental Task Manager / Architectural Historian. Served in this capacity for multiple projects located in White, Hall, Fulton, Clayton, and DeKalb counties. Project scopes included corridor and feasibility studies to enhance mobility and safety. Responsible for performing and managing environmental project tasks including field and desktop data collection to complete environmental risk assessments. These risk assessments were then used to develop preliminary environmental impact assessments and forecast NEPA action classifications for proposed improvement alternatives. Environmental resources assessed include cultural resources, threatened and endangered species, potential Waters of the US, community and institutional resources, and EJ populations.</p>			
08/18 – 12/20	<p>NEPA On-Call IDIQ, Districts 6 and 7, GDOT, Multiple Counties, GA. Senior / Lead Architectural Historian for the 5-year/\$5 million dollar IDIQ contract for 22 counties in NW GA, including Metro Atlanta. Performed all duties associated with historic resource surveys including research, fieldwork, and reporting for state and federally funded projects in compliance with <i>Section 106 of the NHPA</i>. Ensured the quality delivery of cultural resource documents for USACE permits, NEPA, and GEPA</p>			

16. Staff Experience

	documentation. The on-call service includes multiple task orders ranging from minor bridge projects to complex roadway widenings.
10/18 – 12/18	Major Mobility Investment Program (MMIP), GDOT, Multiple Counties, GA. <i>Program Management Consultant (PMC) Lead Historic Resources Reviewer</i> for 11 MMIP projects and 6 associated Advanced Improvement Projects (AIP). Provided guidance to General Engineering Consultants (GECs) on implementation of the MMIP Memorandum of Understanding (MOU), technical support, and review of GEC prepared <i>Area of Potential Effects Memoranda, Historic Resource Survey Reports, and Assessment of Effects</i> documents.
10/18 – 12/18	FM 552 Widening Historical Resources Survey Report, TxDOT, Rockwall, TX. <i>Lead Architectural Historian.</i> Performed all duties required to complete a Historical Resources Survey Report for the project including research, reconnaissance level fieldwork, and reporting on 17 historic-age resources in compliance with Section 106 of the NHPA.
01/17 – 08/18	Hereford Road Widening, GDOT Columbia County, GA. <i>Senior Architectural Historian.</i> Conducted intensive level field survey and co-authored a Historic Resources Survey Report for a 5-mile corridor which identified 39 historic resources. Preparation for and attendance at a PIOH with over 300 people in attendance and high public controversy. Presented GDOT's methodology to achieving environmental compliance for complex projects with Section 4(f) resources through handouts, displays, and communication. Other responsibilities included coordinating with FHWA and GDOT to originate a <i>Section 4(f) of the USDOT Act Analysis</i> for four (4) NRHP-eligible properties that would be adversely affected by the project.
11/16 – 09/17	State Route 20 Widening, GDOT, Bartow and Cherokee Counties, GA. <i>Lead Architectural Historian</i> for 17-mile corridor. Tasks included initiating Section 106, desktop and intensive field surveys, extensive research, and authoring a Survey Report with determinations of NRHP eligibility for 103 properties.
12/16 – 07/18	State Route 20 Widening, GDOT, Cherokee County, GA. <i>Lead Architectural Historian</i> for state-funded project tying into adjacent project. Overall tasks included assessing APE and previous survey coverage, authoring Assessment of Effects report on 4 properties, and supported Section 404 permitting through the U.S. Army Corps of Engineers.
10/17 – 06/18	Bridge Replacement over Whitewater Creek, GDOT, Macon County, GA. Completed a <i>Photographic Archival Record</i> for the historic bridge being demolished by the proposed project. Tasks included documenting the historic bridge as part of a mitigation plan outlined in a <i>Memorandum of Agreement</i> through the U.S. Army Corps of Engineers.
09/16 – 04/21	State funded On-Call IDIQ Contract, GDOT, Statewide, GA. <i>Lead Architectural Historian</i> responsibilities included both production and review of GEPA and Section 106 documents for state-funded projects throughout GA on behalf of GDOT. Includes multiple task orders ranging from bridge projects to complex new location roadway improvements and widenings.
08/18 – 05/19	US 80 – East Corridor, TXDOT, Dallas and Kaufman Counties, TX. <i>Co-Architectural Historian</i> for 11-mile corridor. Tasks included desktop and reconnaissance field surveys, extensive research, authoring a Survey Report with determinations of NRHP eligibility for 45 properties, and assessing project effects on a significant bridge.

16. Staff Experience

Firm employed by				Meets MPR No. 5	
Name	Bretton Somers, Ph.D., RPA		Years of relevant experience with this employer	16	
Title	Principal Investigator / Archaeologist		Years of relevant experience with other employer(s)	2	
Degree(s) / Years / Specialization			Ph.D. / 2007 / Geography; M.A. / 2004 / Geography; B.A. / 1994 / Communications		
Active registration number / state / expiration date			RPA / 2022		
Year registered	2005	Discipline	Registered Professional Archaeologist		
Contract role(s) / brief description of responsibilities.			Archaeologist		
Experience dates		Experience and qualifications relevant to the proposed contract			
		<p>Dr. Somers joined the team at GSRC as an archaeologist in 2007. His 2007 completion of his doctorate provided him with 6 years of experience in archaeological research, fieldwork, and GIS analysis. With GSRC, Dr. Somers has supervised and participated in over 50 cultural resources investigations including Section 106, Section 110, and environmental compliance projects in 19 states. Dr. Somers has also worked outside the U.S. in Belize and Cuba. This involvement has provided a broad base of experience in prehistoric and historic archaeology across several regions of North America, has allowed him the opportunity to work with numerous tribal and government agencies at the local, state, and Federal levels, and has given him a broad knowledge of cultural resources laws and regulations.</p>			
03/20-05/20		<p>Phase I Archaeological Investigation of the St. Rose to Norco Pipeline, St. Charles Parish, Louisiana. <i>Project Manager/Principal Investigator.</i> Dr. Somers served as project manager and principal investigator for the intensive Phase I <i>cultural resources survey</i> of 7.4 miles (75.14 acres) of proposed new pipeline from the International Matex Tank Terminal (IMTT) in St. Rose to portions of Shell's Norco Manufacturing Complex facility in Norco in St. Charles Parish, Louisiana. GSRC conducted the investigation on behalf of Ramboll US Corporation (Ramboll) under Section 106 of the NHPA. The investigation included an intensive Phase I archaeological survey combining pedestrian surface inspection with Shovel test pits excavated along transects using a high probability predictive model. No archaeological sites were recorded during this investigation. No aboveground/built resources over 50 years of age were recorded within or adjacent to the survey area. As a result, no further archaeological investigations were recommended for the project area.</p>			
02/13-12/13		<p>Cambridge Energy Floating Liquefied Natural Gas (FLNG) Facility, Plaquemines Parish, Louisiana. <i>Principal Investigator.</i> Cambridge Energy, LLC is proposing the construction and operation of a FLNG facility on the Mississippi River in Plaquemines Parish, Louisiana. Bretton assisted with the preparation of Resource Reports with sufficient information and analysis for the preparation of an EIS. The selected APE includes dredging from the navigation channel of the Mississippi River into the batture and natural levee on the east bank of the river across from Venice, Louisiana. A portion of the facility extends eastward into the coastal marsh. The cultural resources portion of the investigation involved a terrestrial survey of the high ground portions of the APE, a fan boat inspection of the marsh portion of the APE, and a marine remote sensing survey of the proposed area of dredge activity in the Mississippi River channel. Dr. Somers was responsible for coordination with the Louisiana SHPO, background research, assessing required research needs given the fluvial, terrestrial, and marsh landscape, conducting the terrestrial and marsh fieldwork, coordinating with a team of marine archaeologists to perform the marine remote sensing survey, and synthesizing all data collected into the required reports for the project. No cultural resources were discovered in the initial field surveys of the APE.</p>			

16. Staff Experience


08/10-11/12	<p>Phase I Cultural Resources Survey for the Proposed Improvements to the New Orleans to Venice Levee Protection Project, Plaquemines Parish, Louisiana, USACE, Vicksburg District. <i>Principal Investigator.</i> Dr. Somers served as the principal investigator for the Phase I <i>cultural resources survey</i> of approximately 4,208 acres distributed along linear corridors flanking 86.8 miles of the Federal Mississippi River Levee and back levees in lower Plaquemines Parish, Louisiana. The project included restoring, armoring, and accelerated completion of the existing Federal levees on the east bank from Phoenix to Bohemia (15.8 miles of back levee) and on the west bank from St. Jude to Venice (37 miles of back levee and 34 miles of Mississippi River levee) to provide the authorized design grade for storm risk reduction. The project APE included Mississippi River Batture, the protected land between the levees and coastal marsh on the outside of the back levees. The investigation resulted in the recovery of several thousand artifacts and the recording of 43 newly discovered Historic period sites. Of the 43 newly recorded sites, examination of field data and laboratory analysis of artifacts resulted in recommendation of one site as eligible, 29 sites as ineligible, and 13 sites of undetermined eligibility for the NRHP.</p>
09/13-03/17	<p>Naval Air Station (NAS) Meridian Phase II Archaeological Evaluation of Sites 22LD693 and 22LD697, Lauderdale County, Mississippi. <i>Project Manager/Principal Investigator.</i> Dr. Somers provided overall administrative oversight for the project, including scheduling; cost management; recruiting, hiring, and supervising necessary personnel; and coordinating with the NAVFAC SE Technical Representative and Cultural Resource Manager at NAS Meridian. Additionally, Dr. Somers served as Principal Investigator, developing the work plan for the investigation, supervising, and participating in fieldwork, and preparing the technical report and Powerpoint™ presentation. This project was conducted under Section 110 of the NHPA of 1966, and with its implementing regulations (16 United States Code [U.S.C.] 470h-2[a]). The investigation included an archaeological survey with shovel testing along transects within an area of 2.7 acres for site 22LD693 and 3.66 acres for site 22LD697 to relocate and delineate the boundaries of the sites. Once the sites were relocated, additional shovel testing was conducted to further define the horizontal and vertical site boundaries and to determine concentration areas of cultural material. Test units measuring 1 meter (m) by 1 m wide and 1 m below ground surface were excavated at each site. This investigation has revealed that sites 22LD693 and 22LD697 consist of sparse scatters of prehistoric artifacts. As sparse artifact scatters, sites 22LD693 and 22LD697 do not possess the data necessary to determine association with Criteria A, B, or C, but could contribute information pertaining to Criterion D. However, neither site exhibited the potential for cohesive cultural deposits that would indicate a significant cultural presence or activities from which additional information could be obtained. Further, considering the limited nature of findings from this investigation combined with those from the previous investigation of the sites, the information potential for sites 22LD693 and 22LD697 has been exhausted. It was recommended that the NRHP determination for these two sites as not eligible was appropriate and no further work is warranted.</p>
09/18-03/22	<p>Principal Investigator. Highway 86 Checkpoint, California. The investigation was conducted in support of a cooperative effort by USACE, Sacramento District, the Central Valley Flood Protection Board, and the Sacramento Area Flood Control Agency to address seepage and stability issues in approximately 42 miles of levee surrounding the Natomas Basin. The project included multiple tiered tasks including a Kickoff Meeting, Records Search and Literature Review, Geoarchaeological Sensitivity Assessment and Testing Plan, Cultural Resources Survey and development of an Evaluation Plan, development of a Historic Properties Treatment Plan, and Evaluation Testing. Dr. Somers served as project manager and principal investigator for this project and provided overall administrative oversight for the project including scheduling, cost management, supervising necessary personnel and coordinating with the Sacramento District Archaeologist.</p>

16. Staff Experience

PERSONNEL RESUMES

Roadway Design & Engineering


16. Staff Experience

Firm employed by		ARCADIS		Meets MPR No. 7
Name	Jose L. Rodriguez, PE		Years of relevant experience with this employer	1
Title	Senior Civil Engineer		Years of relevant experience with other employer(s)	24
Degree(s) / Years / Specialization			BS / 1992 / Civil Engineering, University of New Orleans	
Active registration number / state / expiration date			PE.0030492 / LA / Exp. 03/31/2025	
Year registered	2003	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities.			Roadway Design Lead	
Experience dates	Experience and qualifications relevant to the proposed contract			
	Mr. Rodriguez has more than 25 years of experience with roles of progressive responsibility as a civil engineer performing roadway design, bridge design, project management, hydraulic analysis, utility coordination, construction supervision, estimating, and project implementation for various clients in Louisiana, Texas, Georgia, and North Carolina. Jose has worked in close relationship with the Federal Highway Administration (FHWA), U.S. Army Corps of Engineers, Louisiana Department of Transportation (LADOTD), local parish governments, and regional planning commissions. He has extensive experience with Bentley Inroads, Autodesk Civil 3d, and Leap Bridge for Concrete Bridge Design. Served on the American Concrete Institute (ACI) Louisiana Board, becoming president of the Louisiana Chapter in 2010 and remains active in the organization.			
04/21- 04/22	Lee Drive (Highland Road to Perkins) Final Design Study Report, MOVEBR Baton Rouge, LA. Project Designer, Responsible for coordinating and developing concept drawings to evaluate the geometric feasibility of different roadway alternatives, proposed improvements, and anticipated right-of-way needs. Provided technical guidance to help identify green infrastructure opportunities along the project. Also assisted in the implementation of Complete Street regulations for the corridor. During the alternative’s selection process, conducts cost estimates to evaluate and select the preferred alternative.			
02/07 – 10/09	John James Audubon Bridge Approach (Design-Build), LADOTD, New Roads, LA. Project Designer. Responsible for the geometric horizontal and vertical alignment for five approach bridges to the John James Audubon Cable Stay Bridge. The longest cable-stayed bridge in the Western Hemisphere consisting of 1,583’ main span. Jose was also in charge of the quality control for all bridge approaches and the design of all precast concrete girders for the project.			
01/06 – 09/09	New Orleans Submerged Roadway Program Management, LADOTD / New Orleans Regional Planning Commission, New Orleans, LA. Project Designer and Quality Control Reviewer. For this multi-million dollar program management team for the DOTD and the FHWA. Jose helped develop design guidelines and processes for the standardization of engineering work for the repair of roadways damaged by Hurricane Katrina in the City of New Orleans and other parishes. Responsible for conducting quality control reviews on roadway plans prepared by other engineering firms for compliance with DOTD and FHWA design standards.			
02/10 – 06/11	I-10 from Veterans to Clearview, LADOTD, Metairie, LA. Project Designer. Responsible for roadway plan preparation for widening 1.2 miles of I-10 from three lanes to five lanes in each direction. The project also included bridge work to accommodate the interstate widening. Jose was also responsible for the alignment and design of concrete sound walls along the corridor. He helped implement an innovative two-sided concrete stamp process for the noise wall precast concrete panels.			
05/12 – 12/15	Earhart Boulevard-Causeway Interchange, LADOTD, New Orleans, LA. Project Designer. Responsible for the geometric design and roadway plan preparation for the Earhart Boulevard-Causeway Interchange. The Earhart Boulevard Causeway Interchange purpose was to assist in traffic congestion relief for the east-west flow of traffic for the New Orleans Metro Area. It consisted of			

16. Staff Experience

	the development of roadway and bridge ramps for the creation of an elevated signal-controlled interchange . Responsible for development of all horizontal and vertical alignments for this project as well as roadway plan preparation, developing all roadway cross sections, drainage design, utility conflict resolution and cost estimating for the project.
07/09 – 07/15	Peters Road Expansion, Phases I-III, LADOTD, Plaquemines, LA. Project Designer. Responsible for the geometric design , plan preparation and wetland delineation of Peters Road Phases I, II and III. The projects consisted of a new roadway, elevated crossing over the Intracoastal Waterway, approach roadways in Jefferson and Plaquemines Parishes to tie Peters Road to Louisiana 23 near Barrier Road. The projects were prepared in coordination with Plaquemines Parish, DOTD and the U.S. Army Corps of Engineers.
06/04 – 01/11	Causeway Boulevard Interchange Improvements Phases I and II, LADOTD, Metairie, LA. Project Designer. This project consisted of widening Causeway Boulevard elevated structure at Veterans Boulevard and the construction of new at-grade and elevated ramps to provide better accesses, improve safety and ease congestion at this heavily traveled interchange. Responsible for evaluating existing girders, the design of new precast concrete girders and the roadway plan preparation for this project. Also, responsible for evaluating and design of new sewer and water lines for the project as well as coordinating the removal and replacement of all utilities affected by the new roadways and/or structure foundations.
01/08 – 05/08	I-12 to Bush Corridor Study Phase III (EIS), LADOTD, St. Tammany Parish, LA. Project Designer. Responsible for evaluating environmental issues and developing design alternatives in accordance with the National Environmental Policy Act (NEPA) for transportation improvements.
01/20 – 05/20	NC Highway 73 (NC 73) Widening, North Carolina DOT, Mecklenburg County, North Carolina. Project Engineer. Responsible for the Temporary Traffic Control Plan preparation for the widening of NC 73. A principal arterial roadway, NC 73 was widened from a two-lane undivided roadway into a four-lane divided highway with a 30-foot wide median. The project presented many challenges due to the high traffic volumes, time restrictions for lane closures, and all NASCAR events at Charlotte Motor Speedway for the duration of the project. To mitigate traffic disruption and enhance roadway safety, assisted in preparing the Transportation Operation Plans and sequence of construction for the project. All design work was performed following NCDOT and the latest MUTCD standards.
03/19 – 05/20	Eastern Federal Lands Highway Division (EFLHD), Puerto Rico. Assessment Roadway Lead. Responsible for the review, report preparation, and coordination for the repairs of over 70 roadway sites damaged by Hurricane Maria. Provided technical assistance to local engineering firms to ensure the project stayed within the client's guidance and strict schedules.
04/18 – 09/20	Texas High-Speed Rail, Texas Central Railway, Dallas to Houston, Texas. Project Designer. Assisted with establishing flood elevations for the alignment of over 240 miles of rail tracts. Also responsible for the realignment of at-grade roadways impacted by the High-Speed rail.
10/17 – 03/18	Traffic Turn Lanes on Highway LA 3127, Yuhuang Chemical Inc., St. James, LA. Quality Control (QC). Review for the design of two turn lanes into the Yuhuang Chemical Methanol plant in St. James, Louisiana. During construction, Jose provided the owner with construction design services for the duration of the construction phase.
12/15 – 01/16	Magnolia Ridge Levee Project, City of New Orleans, St. Charles Parish, LA. Quality Control (QC). QC review and plan preparation for the Magnolia Ridge Levee project for St. Charles Parish.


16. Staff Experience

Firm employed by		ARCADIS		Meets MPR No. 7	
Name	David Fulks, PE		Years of relevant experience with this employer	15	
Title	Roadway Design Engineer		Years of relevant experience with other employer(s)	12	
Degree(s) / Years / Specialization			MS / 2020 / Engineering Management, The George Washington University BS / 1997 / Civil Engineering, Portland State University		
Active registration number / state / expiration date			PE.030151 / LA / Exp. 09/2024		
Year registered	2002	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities.			Roadway Design		
Experience dates		Experience and qualifications relevant to the proposed contract			
		<p>Mr. Fulks has more than 27 years of experience in the design of roadways, flood protection systems, and airports. His experience encompasses analysis and design of geometric and pavement design of highways, streets, sidewalks, restrictive intersections, roundabouts, and interchanges; site hydrology and hydraulics; and traffic impact analysis. His responsibilities have included preparing engineering designs, reports, plans, and specifications; preparing and managing project schedules and cost estimates; and providing construction administration.</p>			
04/13 – 07/14 *Section 17 Project*		<p>LADOTD, US 11 Railroad Bridge Replacement and Corridor Improvements Environmental Assessment, St. Tammany Parish, LA. <i>Lead Engineer.</i> Geometry and roadway design, <i>line and grade study development</i>, and cost estimates for the replacement of an historic railroad overpass bridge and upgrading an existing two-lane rural highway to a four-lane divided highway with access control.</p>			
07/15 – 06/17		<p>LADOTD, US 190B at Jefferson Ave Roundabout Design, St. Tammany Parish, LA. <i>Roadway Engineer.</i> <i>Geometric and roadway design</i>, preliminary plans preparation, and cost estimate for replacing an existing four-way signalized intersection with a single-lane elliptical roundabout.</p>			
05/14 – 05/15		<p>LADOTD, Joe Sevario/Roddy Road Roundabouts Stage 0 Feasibility Study, Ascension Parish, LA. <i>Task Manager and Lead Engineer.</i> <i>Geometric and roadway design</i> and cost estimates for the replacement of ten existing stop-controlled intersections with single-lane roundabouts.</p>			
01/14 – 03/17 *Section 17 Project*		<p>LADOTD, Pete's Highway Environmental Assessment, Livingston Parish, LA. <i>Lead Roadway/Bridge Geometrics and Cost Engineer.</i> High-priority project completing an <i>Environmental Assessment and traffic engineering services</i> related to improving congestion and operations along Range Avenue in the vicinity of the I-12 interchange. Design alternatives included two split diamond interchange options with roundabout, partial clover leaves, and collector-distributor road components at both Range Avenue and the next existing, eastern overpass at Pete's Highway (LA 16) and a diverging diamond interchange alternative at Range Avenue.</p>			
11/14 – 10/15		<p>LADOTD, LA 44 and Loosemore Road Roundabout, Ascension Parish, LA. <i>Deputy Project Manager and Lead Engineer.</i> <i>Geometric and roadway design</i>, preliminary subsurface utility investigation, and cost estimates for the replacement of an existing two-way stop-controlled intersection with either a single-lane roundabout or two single-lane roundabouts and right-in/right-out control at the existing intersection.</p>			
12/13 – 06/15		<p>LADOTD, Safety Studies Retainer - LA 3235 Stage 0 Safety Feasibility Study, Lafourche Parish, LA. <i>Lead Roadway Geometrics and Cost Engineer.</i> Designed geometric layout of safety improvements including access management, restrictive intersections,</p>			

16. Staff Experience

	and added turn lanes. Developed <i>construction cost estimates</i> for proposed improvements to assess feasibility of proposed alternatives.
09/09 – 03/12	LADOTD, I-20 – Kansas Lane/Garrett Road Connector Interchange Improvements, Ouachita Parish, LA. <i>Lead Engineer.</i> Geometry and roadway design of the new KCS Railroad overpass and connector between Kansas Lane and Garrett Road, including <i>interstate interchange modifications</i> to include two-lane roundabouts at ramp intersections, and three two-lane roundabouts along the corridor outside of the interchange. Improvements to the pedestrian and bicycle facilities were included in accordance with the LADOTD Complete Streets Policy. The compact project area required a detailed layout to confirm feasibility.
08/11 – 09/13	LADOTD, Chef Menteur Bridge and Approaches Replacement Environmental Assessment and Line and Grade Study, Orleans Parish, LA. <i>Lead Roadway/Bridge Geometrics and Cost Engineer.</i> Responsible for preparing the proposed geometric configurations of a bridge replacement at Chef Menteur Pass. Investigated four alignments as well as both low-level moveable and high-level fixed span bridge configurations. Performed detailed geometric layouts of both the mainline highway, bridge, and adjacent collector roadways to <i>mitigate impacts to environmentally sensitive resources</i> and local residential, commercial, and historical interests.
09/12 – 09/13	LADOTD, US 165 Connector and Ouachita River Bridge Environmental Impact Statement, Ouachita Parish, LA. <i>Roadway Design Engineer.</i> Responsible for preparing <i>roadway and bridge general plan designs, line and grade report development, and cost estimates</i> for a new five-mile elevated highway through Chauvin Swamp north of Monroe, LA. An in-town corridor was also developed which entailed upgrading Louisville Avenue and Hudson Lane in Monroe, the Lea Joyner Bridge over the Ouachita River, and Stella Street in West Monroe to function as a one-way couplet.
06/00 – 12/00	Jefferson Parish Engineering Department, Hesper and Helios Avenue Street Rehabilitation, Harvey, LA. <i>Roadway Engineer.</i> Completed inspections and rehabilitation recommendations for eight blocks of local streets. Rehabilitation required demolition and replacement of concrete road panels, milling and overlay of asphalt surfaces, and installation of drainage inlets and subsurface drainage, as well as replacement of damaged and under-performing subsurface drainage. Performed inspections, collaborated with Parish representatives and utility companies, identified appropriate rehabilitation measures, and produced plans illustrating the rehabilitation recommendations.
2/09 – 4/10	United States Army Corps of Engineers (USACE) – New Orleans District, US 90 – WBV 73 Western Tie-In Crossing Lake Cataouatche Area, Jefferson Parish & St. Charles Parish, LA. <i>Deputy Project Manager and Lead Roadway/Drainage Engineer.</i> Responsible for development of preliminary and final design P&S for a 2,540-foot PPC girder/column bent bridge, highway approaches, and frontage roadways.
2/01 – 8/01	LADOTD, US 190 (Gause Boulevard) from LA 433 to US 11, Slidell, LA. <i>Roadway/Drainage Designer.</i> Alignment modification and capacity increase for a 3.5-mile stretch of this state highway. The project included two bridges, a transition from a rural minor arterial to an urban principal arterial, dozens of minor intersections with side streets, a railway crossing, and numerous drainage culverts. The <i>roadway geometric and drainage designs</i> were completed, and design plans were produced. This project required applying many geometric elements, such as super-elevation and multiple closely spaced horizontal curves that required a delicate balance of occasional conflicting requirements.



16. Staff Experience

Firm employed by		ARCADIS	
Name	Gabriel Arias, PE	Years of relevant experience with this employer	<1
Title	Roadway Engineer	Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization		BS / 2013 / Civil Engineering, Auburn University	
Active registration number / state / expiration date		PE. 0042599 / LA / Exp. 09/30/2023	
Year registered	2018	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Roadway Design	
Experience dates	Experience and qualifications relevant to the proposed contract		
	Mr. Arias has more than eight years' experience performing complex geometric design on roadway including horizontal and vertical (H&V) alignment, hydraulic design cross drain pipes (CDP's) and open ditches, turn lane design, striping/signage, structural design analysis and QC, traffic management plans, and roadway plan production.		
06/16 – 02/17	LA 435 to LA 40/LA 41, LADOTD, St. Tammany Parish, LA. Project Engineer. The project calls for the construction of a new four-lane highway connecting I-12 to Bush, Louisiana, in St. Tammany Parish. The new roadway is approximately 19.8 miles in length and begins at LA 434, north of the existing LA 434 interchange with I-12, and traverses in a northeasterly direction until encountering an abandoned rail corridor. It then follows the rail corridor terminating at the LA 21/LA 41 intersections near Bush, Louisiana. Assisted with <i>roadway geometric design</i> including H&V alignment, hydraulic design for storm drains, CDP's and open ditches, structural design analysis and QC, Traffic management plans and roadway plan production for the new 5.5 mile 4-lane RA-3 roadway from LA 435 to Bush, LA.		
07/13 – 06/16	Bayou Mercier Road/Berard Canal Bayou, LADOTD, St. Martin Parish, LA. Project Engineer. Performed topographic field surveying and assisted with bridge design, hydraulic analysis and roadway design for the replacement of the existing off-system bridge timber structure with a quad-beam concrete structure.		
07/13 – 02/17	Derrick Road Bridge, LADOTD, Iberville Parish, LA. Project Engineer. Performed topographic field surveying and assisted with <i>bridge design, hydraulic analysis and roadway design</i> for the replacement of the existing off-system bridge timber structure with a slab span, concrete structure.		
07/13 – 02/17	Jude & Placide Road Bridges, LADOTD, Vermilion Parish, LA. Project Engineer. Performed topographic field surveying and assisted with bridge design, hydraulic analysis and roadway design for the replacement of the existing off-system bridges timber structures with slab span, concrete structures.		
07/13 – 10/16	City of Thibodaux Overlay Projects, LADOTD, Lafourche Parish, LA. Project Engineer. Project required chip sealing, joint & crack sealing, resurfacing and complete pavement replacement for four separate locations in the city of Thibodaux, LA. The goal was to prolong the life of the existing pavements by preventing future deterioration and/or rehabilitating the existing pavements. Assisted with <i>roadway geometric design</i> including horizontal alignments, selection of treatment type for pavements, hydraulic design for storm drains, CDP's and open ditches and roadway plan production.		

16. Staff Experience

09/13 – 02/17	Pecan Island Road Bridge Over The Chenal, LADOTD, Pointe Coupee Parish, LA. <i>Project Engineer.</i> Performed topographic field surveying and assisted with bridge design, hydraulic analysis and roadway design for the replacement of the existing off-system bridge timber structure with a customized slab span, concrete structure.
07/13 – 02/17	Gracie Lane Bridge, LADOTD, Iberville Parish, LA. <i>Project Engineer.</i> Performed topographic field surveying and assisted with bridge design, hydraulic analysis and roadway design for the replacement of the existing off-system bridge timber structure with a slab span, concrete structure.
04/14 – 02/17	Lajaunie Rd/Lateral 1 Bayou St. LADOTD, Clair, Lafayette Parish, LA. <i>Project Engineer.</i> Performed topographic field surveying and assisted with <i>bridge design, hydraulic analysis and roadway design</i> for the replacement of the existing off-system bridge timber structure with a slab span, concrete structure.
11/15 – 02/17	Babin Rd./Bayou Narcisse, LADOTD, Ascension Parish, LA. <i>Project Engineer.</i> Performed topographic field surveying and assisted with bridge design, hydraulic analysis and roadway design for the replacement of the existing off-system bridge timber structure with a slab span, concrete structure.
10/18 – 11/19	I-10 to Loyola Dr. Interchange, Jefferson Parish, LA. <i>Project Engineer.</i> Proposal effort for adapting the interchange at Loyola Drive to handle traffic flowing to and from the new passenger terminal at Louis Armstrong International Airport. Assisted with <i>roadway geometric design</i> , QC, and Plan production for proposal.
06/18 – 10/19	Mid-Barataria Diversion Design, Plaquemines Parish, LA. <i>Project Engineer.</i> Planning, engineering and design services for the creation of the Mid-Barataria sediment diversion basin to strategically reintroduce sediment and freshwater inputs into the Barataria Basin. Assisted with detour roadway alignment creation/selection, TTC planning, and roadway plan preparation.
09/13 – 02/17	West 15th Avenue/Mile Branch, City of Covington, St. Tammany Parish, LA. <i>Project Engineer.</i> Performed topographic field surveying and assisted with bridge design, hydraulic analysis, and roadway design for the replacement of the existing bridge timber structure with a customized slab span, concrete structure. Included an <i>integral pedestrian/bicycle path</i> and custom barrier to separate pedestrians and vehicles.
02/18 – 04/18	US 377 Cresson Relief Route, TXDOT, TX. <i>Project Engineer.</i> TXDOT will construct a three-mile relief route west of the city of Cresson. The relief route will be a new four-lane divided highway on US 377 beginning one mile south of the intersection of US 377 and SH 171 and ending one mile north of the same intersection. Assisted with plan creation including H&V alignment review, TTC plans, construction quantity estimation and roadway plan production for the realigned roadway.
06/17 – 10/17	Hwy 270 Widening Connecting Arkansas Program (CAP), CA0607, Garland County, AR. <i>Project Engineer.</i> Contracted by AHTD, as part of their Connecting Arkansas Program (CAP), to assist with the design of widening approximately three miles of Hwy 270 in Garland County. The proposed roadway is 4 lanes with a painted median from Hwy 270 to Black Snake Road, then 5 lanes curb & gutter from Black Snake Road to Hwy 227. Responsibilities include the <i>drainage design and plan production</i> , wetland delineation and maintenance of traffic plans. Tasks include preliminary site visits, developing hydraulic and hydrologic models for the pipes, submittal of Hydraulic Report, drainage ditch design, maintenance of traffic plan submittals and wetlands report.



16. Staff Experience

Firm employed by			
Name	Jerome Lohmann, PE	Years of relevant experience with this employer	6
Title	Senior Project Manager	Years of relevant experience with other employer(s)	32
Degree(s) / Years / Specialization		BS / 1984 / Civil Engineering AAS / 1977 / Surveying	
Active registration number / state / expiration date		PE.0024673 / Louisiana / 09/30/2024	
Year registered	1992	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Design Support (Construction Phasing / Costing)	
Experience dates	Experience and qualifications relevant to the proposed contract		
	Mr. Lohmann has over 38 years of diversified engineering, surveying, and construction experience to his credit. He began his career working for an engineering/construction company in 1969. Since that time, he has gained progressive experience, an Associate degree in Applied Science (Surveying), and B.S. in Civil Engineering. His career has included extensive experience in the area of surveying (right-of-way, boundary, topographic, hydrographic, construction, route/location, etc.), sanitary sewer design, water supply systems, highway and transportation systems, drainage design, etc. Mr. Lohmann has served as Project Manager/Design Engineer on various LADOTD Projects. He has been responsible for the design and management of projects ranging in magnitude from Off- System Bridge Replacement Projects to a major interchange on I-49.		
11/18 – 02/21	I-10 Service Road Bridge Replacements, Slidell, LA. Project Manager. Managed the GEC design staff for the replacement of two-slab span bridges and approximately 1.1 miles of milling and overlay. Oversaw design of the vertical alignment, proposed length of the bridges, placement of the new bridges, and guardrail design. Oversaw the <i>design of the new roadway approaches to the new bridge, calculation of quantities, and construction cost estimating</i> for the project. Construction of the project was completed in June 2021.		
02/20 – Ongoing	H.013897 / I-10 & I-12 College Dr. Flyover Ramp Design-Build Project, East Baton Rouge Parish, LA. Roadway Task Lead. Roadway Task Lead for the GEC/Boh Bros. team. GEC is responsible for engineering and design quality control services as necessary to complete the design and construction for the I-10 & I-12 College Dr Flyover Ramp Design-Build Project.		
11/15 – Ongoing	H.003074 / I-10 Widening, Williams Blvd. to Veterans Blvd., Jefferson Parish, LA. Project Manager. GEC is currently designing the widening of I-10 between Williams Boulevard and Veterans Boulevard interchanges in Jefferson Parish. Final design plans are over 90% complete. The total project length is 2.58 miles and consists of the construction of one 12' additional lane with a 10' shoulder inside along the I-10 eastbound and westbound roadways. Included in the project is the replacement and widening of the bridges over Canal No. 3 and Veterans Blvd. Sound Barriers, both ground-mounted and structure-mounted on the north side of I-10, form part of this project. Design has also been performed on the replacement of portions of the concrete lining of Canal No. 3 that will be impacted by the new bridge design. Provided <i>design in the preliminary plans phase</i> and design review of the roadway during the final plans phase.		
04/19 – 12/21	Chevelle Drive and Sarasota Drive Bridge Replacements, East Baton Rouge Parish, LA. Project Manager. Project Manager performing a Design Study including hydraulics, environmental, and geotechnical considerations, overseeing topographic		

16. Staff Experience

	survey and right-of-way (ROW) mapping as required; and developing preliminary and final construction plans and cost estimates. The project included the replacement of the existing Chevelle Drive Bridge over the West Fork of the North Branch of Ward Creek and the existing Sarasota Drive bridge over Engineers Depot Canal.
08/17 – 07/18	H.004932 / US 90 (Future I-49 South), LA 318 Interchange. Route US 90, St. Mary Parish, LA. <i>Quality Assurance.</i> GEC is the Owner Verification Firm (OVF) for this Design-Build Project which includes the CE&I, Right of Way Acquisition and Utility Relocation. As <i>LADOTD's OVF representative</i> , responsible for the acceptance of the work and materials in order to ensure contract compliance. As LADOTD's designated representative Jerome administered the contract which included design oversight. He reviewed the Design-Builder's RFC for compliance with the design standard, performance specification, etc. and reviewed the As-Built for completeness and provided recommendation to the LADOTD Project Manager and Chief Engineer for approval. Design-Build team proposed resolutions to RFIs and NCR were reviewed by Jerome to ensure sound engineering judgment was used as the basis for all responses.
09/19 – Ongoing	Lasafe-Airline and Main Complete Streets, St. John the Baptist Parish, LA. <i>Project Manager.</i> Managed the development of typical sections and preliminary layout for the project, which consists of a 10' shared use path, 5' sidewalk along the north side of US 90, bike lanes on shoulders, and softening of the median. Existing ditches will have pipes added and be reshaped to provide detention ponds to reduce time of concentration. Along Main St., the design will provide parallel parking utilizing decorative brick and permeable base to reduce time of concentration. Oversaw the <i>calculation of preliminary quantities and development of a preliminary estimated construction cost</i> . He proposed the conceptual design to the Parish and received approval. He also oversaw development of the fee for all costs from surveying to construction. The project is currently under construction with an estimated completion of June 2023.
2002 – 2013	The Timed Program, Statewide, LA. <i>Design Segment Manager.</i> Design Segment Manager (DSM) for two years, was responsible for taking over 8 LADOTD TIMED projects at different stages of completion and coordinated all the preconstruction activities through letting. Duties included overseeing the Contract Design Consultant (CDC), justifying contract changes, managing plan in hand inspections, ensuring that the CDC used current DOTD Standard plans and pay items and resolved day to day problems, along with budgeting. His innovative design skills resulted in the <i>reduction of right-of-way required for construction</i> .
11/15 – 08/16	US 11 Improvements at Schneider Canal, Slidell, LA. <i>Project Manager.</i> Mr. Lohmann designed approximately 2,700' of divided two lane and multi lane roadway to raise the roadway over the levee on Schneider Canal. This was the first project advertised and let by LADOTD that included a levee.
08/02 – 12/15	H.002301 / North Sherwood Forest Drive Improvements, East Baton Rouge Parish, LA. <i>Project Manager/Lead Road Design Engineer.</i> This project replaced 1.8 miles of rural two-lane roadway with a five-lane urban roadway with subsurface drainage, including the design of 6' sidewalks on both sides of the roadway. Managed the project from the EA through final plans. For the preliminary and final plan phases, he served as the lead road design engineer and was responsible for complete <i>development of the roadway plans</i> , including the topographic survey, horizontal and vertical geometry, existing and design drainage maps, right-of-way maps, sub-surface drainage design, cross drain design, erosion control, striping and construction phasing. He personally designed the geometric alignments, turning lanes, numerous connections to and a re-alignment of existing roads with extensive earthwork requirements.



16. Staff Experience

Firm employed by		 BUCHART HORN ENGINEERS • ARCHITECTS • PLANNERS	
Name	Joseph F. Mingo, PE	Years of relevant experience with this employer	7
Title	Civil Engineer	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2014 / Civil Engineering, Louisiana State University	
Active registration number / state / expiration date		PE.0043700 / LA / Exp. 03/31/2024	
Year registered	2019	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Roadway Design	
Experience dates		Experience and qualifications relevant to the proposed contract	
		<p>Mr. Mingo has more than 7 years of experience working on projects related to road design. He has worked on roadway rehabilitation, widening, roundabout, and lighting design projects. His primary responsibilities include design development, design plan preparation and detailing, design quantity calculations, and cost estimation. These duties require extensive knowledge and use of MicroStation and InRoads design software.</p>	
03/19 – 09/20 <i>*Section 17 Project*</i>		LA 429 Connector Feasibility and Planning Study, LADOTD, Ascension Parish, LA. BH prepared a Feasibility and Planning Study to evaluate alignments for a limited-access corridor (LA 429) in the vicinity of I-10, between LA 30, LA 73, and US 61 in Ascension Parish, LA. The purpose of the new LA 429 connector road is to create another route for motorists to travel from LA 30 to US 61, <i>decreasing travel time along existing corridors</i> . Two alternatives for the widening and reconstruction of LA 429 were evaluated. The scope consists of stakeholder and public meetings, site visits and data collection, phasing of alternative development for the corridor, scope and budget checklists, and cost estimates.	
09/15 – 03/17		LA 19 Widening (LA 64 to Sunset Boulevard), Feasibility and Planning Study, LADOTD, Baton Rouge, LA. <i>Project Designer</i> responsible for alternative development, crash and safety analysis, environmental documentation, report preparation, and cost estimation. BH prepared a Feasibility and Planning Study and Environmental Inventory according to the LADOTD Manual of Standard Practice to evaluate the feasibility of widening 1.4 miles of LA 19 from LA 64 to Sunset Boulevard per the Cooperative Endeavor Agreement (CEA) between LADOTD and the City of Zachary. An additional cost estimate was developed at the request of the client for the widening of LA 19 from LA 64 to Montegudo Boulevard. The cost estimate was included in the Final Stage 0 as an Appendix.	
06/19 – 02/21		US 167 Feasibility and Planning Study, Elsie Street to Gilbert Drive, LADOTD, Ville Platte, LA. <i>Project Engineer</i> responsible for performing safety analysis using CATscan. BH prepared a Feasibility and Planning Study to evaluate the addition of a third lane to US 167 from Elsie Street south to a point past Gilbert Drive. Environmental impacts and cost estimates will be prepared.	
10/17 – 09/21		New Roundabout, Parish Road 929 at Parker Road, Ascension Parish, Prairieville, LA. <i>Project Engineer</i> responsible for using MicroStation and InRoads to design and prepare plans for a single-lane roundabout as a part of the MoveAscension initiative, using LADOTD HYDR programs and InRoads Storm & Sanitary to design the subsurface drainage, and coordinating with the client to incorporate any wants and concerns. Design of a single-lane asphalt roundabout at the intersection of Parish Road 929 and Parker Road to replace the existing stop-controlled intersection. Services include topographic survey, preliminary	

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	and final roundabout plans and specifications, right of way maps, subsurface utility engineering (SUE), and construction engineering and inspection.
08/18 – 09/21	New Roundabout at LA 931 and Roddy Road, Ascension Parish, Gonzales, LA. <i>Project Engineer</i> responsible for preparing 30% design plans and other documents for submittal at various stages of the project. This intersection historically involved high frequency and high severity crashes. This project is funded through the <i>MoveAscension Initiative</i> and addresses traffic mobility and safety issues. BH is providing design services for a new single-lane asphalt roundabout at the intersection of LA 931 and Roddy Road in Gonzales, LA. Services include preparing a roundabout report (crash analysis, cost-benefit analysis, traffic analysis, speed study, safety analysis), electrical lighting design, subsurface drainage, permit application, preliminary and final design plans, specifications, special provisions, construction estimates, and engineering calculations. This local roadway intersects a state route, resulting in LADOTD project permit requirements. The design will comply with state and federal guidelines and receive LADOTD review and approval.
09/17 – 02/21	Retainer Contract for Feasibility and Planning Studies, LADOTD, Statewide, LA. <i>Project Designer</i> responsible for preparing exhibits for task order discussion. BH held a Five-year retainer contract to perform feasibility and planning studies for various transportation projects throughout Louisiana. Work was assigned by task order over the life of the contract.
11/18 – 04/21	LA 3040 Corridor Improvements Study, LADOTD, Houma, LA. <i>Project Designer</i> responsible for performing peak period observations in the field and safety analysis using CATScan. BH performed a study to identify safety and/or operational issues along 2.5 miles of Martin Luther King Boulevard (LA 3040) in Houma, LA to evaluate reasonable alternatives to address any deficiencies discovered.
06/21 – 08/21	Safety Studies for US 61 from Cardinal Drive to Bert Street, LADOTD, LaPlace, LA. BH performed a study to identify safety issues along approximately three miles of Airline Highway (US 61) in Laplace, LA and evaluate reasonable alternatives to address the issue(s). The approximate intersection termini are Bert Street and Cardinal Drive.
06/14 – 07/20 <i>*Section 17 Project*</i>	US 84 Improvements, LADOTD, Winnfield, LA. <i>Project Designer</i> responsible for report preparation. Performed environmental assessments on the west and east side of Winnfield, including <i>line and grade studies for several alternatives</i> , environmental impacts, and traffic and bridge studies.
03/19 – 06/20	LA 117 from LA 8 to LA 118 Feasibility and Planning Study and Environmental Inventory, LADOTD, Leesville, LA. BH performed a Stage 0 Feasibility and Planning Study for 18 miles of two-lane LA 117 from LA 8 to LA 118. The study compared correcting vertical and horizontal geometry along with adding shoulders to adding passing lanes and turn lanes at strategic locations. Environmental impacts and cost estimates were prepared. Project Designer responsible for assisting with concept development and project exhibits.
08/15 – 07/20	Houma-Thibodaux to I-10 Corridor Environmental Impact Statement (EIS), LADOTD, Southeastern LA. Preparation of an EIS for a new 35-mile controlled access highway providing north/south system linkage between the Houma-Thibodaux areas and I-10. Project Designer responsible for meeting materials, report preparation, and cost estimation.



16. Staff Experience

Firm employed by		 BUCHART HORN ENGINEERS - ARCHITECTS - PLANNERS	
Name	Caldwell (Cal) P. Joy, PE	Years of relevant experience with this employer	1
Title	Senior Transportation Engineer	Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization		BS / 2012 / Civil Engineering, University of Alabama	
Active registration number / state / expiration date		PE.0043830 / LA / Exp. 03/31/2024	
Year registered	2019	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Roadway Design	
Experience dates	Experience and qualifications relevant to the proposed contract		
	Mr. Joy has more than 9 years of experience in the field of civil engineering. Design projects he has worked on include roadway rehabilitation, new construction, widening, sidewalk design, signal design, standard intersection, and roundabout design for state highways and local roads. He is primarily responsible for design plan preparation and detailing, typical section development, design quantity calculations, and cost estimation, which require extensive use of MicroStation and InRoads.		
02/21 – Ongoing	Houma-Thibodaux to I-10 Corridor Environmental Impact Statement (EIS), LADOTD, Southeastern LA. Preparation of an EIS for a new 35-mile controlled access highway providing north/south system linkage between the Houma-Thibodaux areas and I-10.		
06/21 – 09/21	New Roundabout at LA 931 and Roddy Road, Ascension Parish, Gonzales, LA. This intersection historically involved high frequency and high severity crashes. This project is funded through the <i>MoveAscension</i> Initiative and addresses traffic mobility and safety issues. BH is providing design services for a new single-lane asphalt roundabout at the intersection of LA 931 and Roddy Road in Gonzales, LA. Services include preparing a roundabout report (crash analysis, cost-benefit analysis, traffic analysis, speed study, safety analysis), electrical lighting design, subsurface drainage, permit application, preliminary and final design plans, specifications, special provisions, construction estimates, and engineering calculations. This local roadway intersects a state route, resulting in LADOTD project permit requirements. The design will comply with state and federal guidelines and receive LADOTD review and approval.		
03/21 – 06/21	LA 3040 Corridor Improvements Study, LADOTD, Houma, LA. BH performed a study to identify safety and/or operational issues along 2.5 miles of Martin Luther King Boulevard (LA 3040) in Houma, LA to evaluate reasonable alternatives to address any deficiencies discovered.		
06/21 – 09/21	Safety Studies for US 61 from Cardinal Drive to Bert Street, LADOTD, LaPlace, LA. BH performed a study to identify safety issues along approximately three miles of Airline Highway (US 61) in Laplace, LA and evaluate reasonable alternatives to address the issue(s). The approximate intersection termini are Bert Street and Cardinal Drive. Project Manager 06/01/2021 – 09/28/2021		
02/21 – 07/21	US 84 Improvements, LADOTD, Winnfield, LA. Performed environmental assessments on the west and east side of Winnfield, including <i>line and grade studies for several alternatives</i> , environmental impacts, and traffic and bridge studies.		
<i>*Section 17 Project*</i>			
02/21 – 02/21	I-110 Lighting Design from North Street to Plank Road, LADOTD, Baton Rouge, LA. BH is providing surveying, roadway illumination analysis and report, electrical engineering design, design plan preparation, calculations, construction cost		

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	estimates, specifications and special provisions for a complete lighting system along I-110 from North Street to Plank Road. The proposed lighting design and analysis includes all interchanges and interface with remaining existing lighting beyond the north and south ends of the project.
03/21 – 10/21	Retainer Contract for Safety Studies, LADOTD, Statewide. BH was awarded a five-year retainer contract for planning studies. Tasks will include Feasibility and Planning studies (referred to by the LADOTD as "Stage 0" Studies), road safety studies, preliminary and final road design plan development, specifications, and engineers' estimates for low-cost safety improvements, safety effectiveness evaluations, crash evaluations, and traffic analysis.
08/21 – 09/21	West Metairie Avenue Restoration, Infinity Engineering Consultants/Jefferson Parish, LA. Provided condition assessment, design, and construction documentation for the replacement of failed concrete panels, drainage structure repairs, and canal banks slope stabilization.



16. Staff Experience

Firm employed by			
Name	Chris Nipper, PE	Years of relevant experience with this employer	5
Title	Road Design Engineer	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization		B.S. / 2014 / Civil Engineering	
Active registration number / state / expiration date		PE.0043281 / Louisiana / 09-30-2023	
Year registered	2019	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Line & Grade (Geometrics/Roadway)	
Experience dates	Experience and qualifications relevant to the proposed contract		
	<p>Mr. Nipper has 7 years of experience with civil design projects, including roadway widening and realignment, including those requiring drainage systems. In addition, he has designed projects requiring milling and overlay. He has experience performing hydraulic analyses and preparing associated hydraulics reports for bridge and roadway design projects. Prior to joining GEC, Mr. Nipper worked with LADOTD for over two years, affording him knowledge of their standards and guidelines required for roadway projects. He is also very familiar with AASHTO standards and guidelines. Mr. Nipper has completed the following training: FHWA-NHI-380096 Modern Roundabouts: Intersections Designed for Safety hosted by LADOTD/Louisiana Transportation Research Center (LTRC) and Modules 1-3 of the Traffic Engineering Process and Report Course offered by LTRC.</p>		
04/19 – 12/21	<p>H.003074 / I-10 Widening, Williams Blvd. To Veterans Blvd., Jefferson Parish, LA. Road Design Engineer: This project included the addition of a lane to the existing interstate and the widening/replacement of bridges to accommodate the additional lane. Responsible for the <i>hydraulic design</i> of the proposed bridge decks, the westbound proposed bridge vertical curve, and for calculating elevations along the bridge bents and girders. (06/17-12/21) (S.P. No.)</p>		
09/20 – Ongoing	<p>Bluebonnet Blvd. (Perkins to Picardy): Baton Rouge, LA. Road Design Engineer - GEC is designing the widening of Bluebonnet Blvd. to include an additional lane in each direction. The project includes replacement of existing bridges at Dawson Creek. Assisted in preparing the drainage map depicting existing conditions for the 9,730-acre drainage area. Developed the soil map for the drainage area and computed the curve number and associated flow through Dawson Creek. (City-Parish Project No. 19-CP-HC-0034)</p>		
02/19 – 05/19	<p>I-10 Service Road Bridge Replacements, Slidell, LA. Road Design Engineer: The project included the replacement of two (2) slab span bridges. Mr. Nipper was responsible for the vertical alignment, proposed length of the bridges, placement of the new bridges, and guardrail design. <i>Designed the new roadway approaches to the new bridge and calculated all of the quantities and estimated construction costs</i> for the project.</p>		
04/19 – 05/20	<p>Chevelle Drive and Sarasota Drive Bridge Replacements, East Baton Rouge Parish, LA. Design Engineer: Provided all investigations, preliminary plans, and preparation of final construction contract plans for the replacement of the Chevelle Drive and Sarasota Drive Bridges in East Baton Rouge Parish. Provided <i>horizontal and vertical alignment</i> and a hydraulic analysis. (City Parish Project No. 18-BR-US-0016)</p>		
09/19 – Ongoing	<p>LA Safe Airline and Main Complete Streets, LaPlace, LA. Road Design Engineer: The project involved the design of a shared use path along Airline highway that would connect to Main St. This path would accommodate pedestrians and bicyclists. The corridor utilizes landscaped bioswales to capture and slow runoff while simultaneously providing beautification of the area. Main St. was redesigned to accommodate on street parking, sidewalks were added down the entire project corridor on both</p>		



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	sides, and bicycle lanes were added as well. provided the vertical and horizontal alignments for the project, as well as the design for Main St. Provided the hydraulic analysis needed to convert existing open ditches along the project into subsurface drainage systems to capture and slow runoff. Provided the estimated quantities and cost estimate. The project is currently under construction.
01/18 – Ongoing	Greenwood Multi-Use Trail, East Baton Rouge Parish, LA. QA/QC: This project involved the design of a multi-use path in a BREC park. Mr. Nipper was involved in the QA/QC of this project and reviewed plans and quantities. The project is currently under construction.
02/20 – Ongoing	H.013897 / I-10 & I-12 College Dr. Flyover Ramp Design-Build Project, East Baton Rouge Parish, LA. <i>Roadway Design:</i> This project involved the redesign of the I-10 WB/I-12 WB merger, and the College Dr. Off Ramp. The existing I-12 WB was realigned to run alongside the existing I-12 EB lanes, and the existing I-10 WB bridge over I-12 EB was raised, widened, and lengthened to provide room for the realigned I-12 WB lanes. Separate dedicated off ramps to College Dr. were provided from I-10 WB and I-12 WB. Performed all of the <i>geometric design</i> for the project and developed all of the roadway construction plans. Responsible for the hydraulic analysis and design for the entire project and developed the hydraulic calculations and report. Responsible for calculating quantities for all of the roadway and hydraulic portions of the project.
2017	LA 3152, Clearview Operational Improvements, Jefferson Parish, LA. <i>Designer:</i> This project involved the milling and overlaying of LA 3152. Along with the milling and overlaying, turn lanes were being added, extended, etc., so new pavement sections were designed. Involved in checking and correcting the plans. He checked and <i>calculated quantities and the estimated costs</i> associated with this project.
09/17 – 12/18	Camp Coushatta Road Improvements, Allen Parish, LA. <i>Designer:</i> This project involved the design of a new road for the Coushatta Tribe of Louisiana. <i>Designer of the road, drainage structures/systems, and all associated quantities</i> , and the creator of the construction plan set. The road consisted of two eleven-foot lanes, with 3 foot outside aggregate shoulders, and ditches on both sides. A subsurface drainage system was designed that tied into an existing subsurface system. Two reinforced concrete box culverts were designed to facilitate the flow of local canals through the new roadway, and one of the canals was realigned. Calculated the quantities and estimated costs associated with the road and drainage systems.
2016 – Ongoing	Power Blvd. Median Improvements, Kenner, LA. <i>Road Design Engineer.</i> This project is a shared-use path beginning at W. Esplanade Avenue and ending at Vintage Drive. A 12'-wide concrete shared use path will replace an existing 6'-width path. The wider section allows for a greater level of service that comfortably accommodates bi-directional pedestrian and bicycle use. In addition to the completed concrete path, the project will feature improved pedestrian lighting, a new steel bridge for pedestrians and bicyclists, seating, landscaping, irrigation, donated art, striping, signage, and more. This project connects to the recently completed Erlanger shared use path. Responsibilities included completion of construction plans for the shared use path including QA/QC of <i>horizontal and vertical geometry</i> , typical sections, construction phasing, signing and striping and estimated quantities.
2018	US 90 (Future I-49 South), La 318 Interchange, Route Us 90, St Mary Parish, LA. QA/QC: GEC was the Owner Verification Firm (OVF) for this Design-Build Project, which includes the CE&I, right-of-way acquisition, and utility relocation. Involved in the QA/QC of the construction plans. He checked quantities and verified that elements of the design met LADOTD standards.

16. Staff Experience

Firm employed by				
Name	Logan Michel, PE		Years of relevant experience with this employer	<1
Title	Civil Engineer		Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization			BS / 2015 / Civil Engineering	
Active registration number / state / expiration date			PE.0043970 / Louisiana / 03-31-2024	
Year registered	2019	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities.			Line & Grade (Geometrics/Roadway)	
Experience dates		Experience and qualifications relevant to the proposed contract		
		Logan Michel, PE has joined GEC's Engineering group with 7 years of experience focused on road design. He was involved in developing all aspects of roadway planning for LADOTD state projects, including bridge spot replacement, roundabouts, overlay projects, and new roadway development. His expertise includes planning and design, project and construction management, and preparation and review of construction data and reports, including cost estimates, specifications, test results and schedules. He provided oversight for major projects and conducted project meetings on design modifications, work progress and safety measures. Mr. Michel has completed the LADOTD Traffic Engineering Analysis Process and Report.		
03/16 – 08/19		LA 146 Bridges Near Vienna, Lincoln Parish, LA. Project Engineer: This multiple site project included replacing three deficient bridges on LA 146 on the existing horizontal alignment with 4-8'X8' reinforced box culverts, 4-7'X6' reinforced box culverts, and a new slab span bridge. Responsibilities included all engineering design for civil aspects including plan preparation and production; design of vertical alignment and superelevation, drainage and guardrail design; design of an overlay section; signage and detour layout; crash data study; cost analysis and estimation.		
07/17 – 11/19		LA 532 over I-20 Bridge Replacement, Webster Parish, LA. Project Engineer: This project consisted of replacing a deficient bridge on LA 532 over Interstate 20 onto a new horizontal alignment using phase construction so traffic flow can be maintained throughout the project including all necessary widening and interchange modifications. Portions of the side roads and the ramps connecting LA 532 to I-20 had to be re-designed because LA 532's geometrics changed. Responsibilities included plan production; the design of vertical and horizontal geometry; ramp and overlay design; superelevation design; urban drainage design; signage and detour layout; and cost estimation.		
10/18 – 10/21		LA 124 Extension (Segment 1), Catahoula Parish, LA. Project Engineer: This project consisted of constructing a private drive into a new state road (LA 124). Responsibilities included plan production, designing new vertical and horizontal alignments based on design guidelines and hydraulic analysis, geometric design, drainage design for multiple culvert locations (RCB culverts & cross drains), cost analysis and estimation.		
09/14 – 01/22		Bayou Chenal & Bayou Discharge Bridges, Pointe Coupee Parish, LA. Project Engineer - This project consisted of replacing two deficient bridges on LA 413 on the existing horizontal alignment with a 180' and 220' slab span bridge with an on-site diversion bridge. Responsibilities included plan production, designing new vertical alignments based on design guidelines and hydraulic analysis, geometric design of an on-site diversion and multiple side roads/driveways, guardrail and sheet pile layout, cost analysis and estimation.		



16. Staff Experience

Firm employed by			
Name	Victor A. Sanchez Nivar; P.E., MSCE	Years of relevant experience with this employer	1
Title	Principal Bridge Engineer	Years of relevant experience with other employer(s)	20+
Degree(s) / Years / Specialization		MS / Civil Engineering-Structures BS / Civil Engineering with major in Structures	
Active registration number / state / expiration date		PE.0033976 / LA / 09/30/2024	
Year registered	2008	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Bridge/ Structural Design	
Experience dates	Experience and qualifications relevant to the proposed contract		
		<p>Victor Sanchez is the Lead Bridge Structural Engineer for the Arcadis office in Baton Rouge. Victor is highly skilled with the design and detailing of structures using AASHTO-LRFD, the Louisiana Department of Transportation Bridge Design Manual, and software applications such OpenBridge (*) for the modelling and planning of bridges. He applies sound structural knowledge to perform hand calculations for bridge structural design and possesses strong management skills; willingness to work collaboratively with different groups inside the organizational team including clients, other disciplines' engineers, project managers within the project organization. Exceptional leadership skills, which combined with his knowledge of the LADOTD policies, standards, and manuals makes him an ideal team builder to perform at its highest level of potential.</p>	
06/14 – 07/15	<p>I-10 Over Julia Street, Girder Rehabilitation Project – New Orleans, LADOTD. This project was initiated to correct a partial failure of the connecting plates which attach the girders to the straddle bents on one of the exit ramps to I-10 in New Orleans. The scope of work consisted of the replacement of one existing steel cap beam in straddle bent number 25w and the replacement of all connecting plate elements on the adjacent steel cap 26 w. Both substructures are located over the same exit ramp on the I-10 in New Orleans. Analysis and rehabilitation design focused on a section of the ramp that included the damaged straddled bent and connection plates; this section is a three-spans continuous structure (74'-132'-132') with steel plate girders as superstructure members that frame into a straddled bent (bent number 25) and a steel cap beam (bent number 26) which are the intermediate substructure elements, similarly to the rest of the ramp, these steel caps are supported on concrete columns. Served as Engineer of Record (EOR), coordinating the preparation of contract documents, including plans, calculations, cost estimates and providing QC/QA to work prepared by others in the team. Also, during the construction phase of the project, provided construction support reviewing and approving shop drawings and calculations submitted by the contractor.</p>		
05/16 - 05/17	<p>UP Railroad Overpass Near Tioga – Rapides Parish. LADOTD. The total bridge length is 950 ft. and consists of a main span using steel plate girders as superstructure elements over three continuous spans (210ft-275ft-210ft); the bridge approaches to the main spans consist of two-spans 85ft AASHTO type III prestressed concrete continuous spans at the north side and one 85ft AASHTO type III prestressed concrete span at the south side. The bridge substructure consists of</p>		

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	concrete piers caps supported on columns which are supported on drilled shafts and spread footings on drilled shafts. Served as Lead Engineer and Engineer of Record (EOR), responsible for the contract document preparation including cost estimating, specifications, final plans preparation, structural calculations, and coordination for project delivery per Louisiana Department of Transportation policies.
04/15 - 03/16	UP Railroad Bridge at Sicard – Ouachita Parish, LADOTD. This bridge consists of a main span using steel plate girders as main superstructure elements over three continuous spans (102ft-175ft-102ft); the bridge approaches consist of three 84ft continuous spans at the north side and to the south side, three 84ft continuous span for a total structure length of 883ft located in a straight alignment and skew of 68 degrees with respect to a line normal to the center line of the bridge. The main superstructure elements of the approaches are prestressed concrete AASHTO Type IV girders and the bridge substructure consisted of multi-column bents on concrete footing supported on prestressed concrete piles. Completed plan quality reviews, prepared the bridge load rating report, and assisted the environmental section of the LADOTD in completing the environmental clearance for the project. In addition, provided construction support, reviewing the shop drawings submitted by the general contractor.
09/13 - 11/14	LA 3188 Over I-10 Girder Repair Project., St. John Parish, LADOTD. The bridge carries the LA 3188 over the I-10 in St. John Parish. The structure has 1365.25ft long and is conceived as a set of 9-units of two-spans continuous for live load using AASHTO Type IV as main superstructure elements supported on multi-column bents and concrete footings on prestressed concrete piles. The project focused on the two-span unit over the I-10 with two spans (102.5ft, 90ft) and total length of 192.5ft. One of the exterior girders of this unit I-10 was damaged by the impact of a truck. This project consisted of the replacement of the damaged girder. Served as Lead Engineer and Engineer of Record (EOR), conducting the preparation of the rehabilitation plans, including demolition plans, the sequence of construction, general notes, structural detailing for the reconstructed deck, and new girder (AASHTO Type IV). Also, provided shop drawing reviews and approval during construction.
04/2022 - 06/2022	Danville Bridge Repairs – Structure SN 092-6034, Load Rating (LFR)-Illinois Department of Transportation (IDOT). The SN 092-6034 is a three-span bridge located on County Highway I (F.A.U. 7000) over North Fork Vermilion River. The bridge has a total length of 266'-10 5/8"; its main span is a tied arch structure with a total length of 170'-0" and the approaches consist of two simple span structures of 46'-6". that use steel rolled beams as main superstructure elements. The purpose of the project was to prepare a load rating analysis of the structure including the approaches and the main span. I was responsible of preparing the load rating of the main span structure which consists of a tied arch. I prepared the structural analysis of the structure modeling all the structural elements of the main span using RMBridge which is a finite element analysis software; and generated the full range of rating trucks suggested in the IDOT Structural Services Manual, to obtain the controlling force effects (axial tension, flexure, and shears). In addition, I calculated the capacities of the structural elements of the tied arch to be used in calculating the load rating (LFR) for the various component including the arches, hangers, and tie girders. The load rating followed the IDOT Bridge Design Manual, the IDOT Structures Services Manual, and the Manual for Bridge Evaluation.

16. Staff Experience

Firm employed by			
Name	Osama Shahawy, PE	Years of relevant experience with this employer	2
Title	Principal Structural Engineer	Years of relevant experience with other employer(s)	30
Degree(s) / Years / Specialization		MS / 1991 / Civil (Structures), Florida State University BS/1983/Civil Engineering	
Active registration number / state / expiration date		PE.0035652 / LA / Exp. 09/30/2024	
Year registered	2001	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Bridge/Structure Design Lead	
Experience dates	Experience and qualifications relevant to the proposed contract		
	<p>Mr. Shahawy has more than 32 years of structural bridge engineering experience working on variety of different projects throughout Louisiana and the Southeast. He has served as project manager or task lead on 100+ projects involving bridge design plans, specifications, and estimates (PS&E), rehabilitation, and bridge replacement, walls, and subsurface structures. His experience includes coordinating teams of engineers and other technical personnel on the preparation of bridge PS&E design/management including on/off-system bridges in rural/urban areas with heavy utilities & complex TCP. He has extensive experience working on segmental, multi-level interchange, and exotic bridge layout and design, as well inspection and load ratings. Osama has a design background that includes strong construction capabilities—a benefit that ensures constructible technical solutions and more complete construction documents.</p>		
10/20 – Ongoing	<p>I-10 CMAR, East Baton Rouge Parish, LA. Structure Task Lead, Engineer of record for CMAR project to improve I-10 through widening and reconstruction of the main line from three to four lanes in each direction, including bridge replacement and rehabilitation, interchange and ramp modification, shoulder widening, and auxiliary lane(s) from LA 415 to Essen Lane on I-10 and I-12. Responsibilities include designing the substructure for the Terrace- Washington bridges, including temporary and permanent bridge widenings. Osama participates in task force meetings and works with the CMAR Contractor and DOTD to <i>develop preferred bridge concepts</i>. Design and detail Nairn Dr. over I-10 bridge replacement to span new I-10 lanes. Ensured quality and adhere to established design policies, procedures, standards and guidelines in the preparation and review of all design products for compliance and good engineering practice as directed by a Project Quality Control Plan.</p>		
08/20 – 4/21	<p>Alphonse Forbes Bridge at Sandy Bayou Replacement, East Baton Rouge Parish, LA / 18-Br-Pt-0017 Structure Manager. Responsible for the replacement of the Alphonse Forbes Road Bridge over Sandy Creek located in Central, Louisiana, in East Baton Rouge Parish. Reviewed final plan and calculations QC design analysis and final bridge structure plans for 5 concrete slab span bridge. Provide read lines and review comments for final plans and estimated quantities according to LADOTD guidelines.</p>		
06/18 - 02/20	<p>I2-I69C Interchange DB, Pharr, TX: Develop, construct, and potentially maintain approximately 7.8 miles of improvements along I-2 from just west of 2nd Street to just east of FM 2557 (S. Stewart Road) and along I-69C from Nolana Loop to I-2 in the cities of McAllen, Pharr, and San Juan, in Hidalgo County (I-2/I-69C Interchange Project). Responsibilities, Independent Technical Reviewer (ITR), provided A complete design review, including a bid schedule, construction cost estimates. Provide, <i>alternate design analyses and calculations</i>, an engineering considerations and instructions report.</p>		



03/19 – 05/20	Pecue Lane/I-10 Interchange, East Baton Rouge Parish, LA: Structure Manager for <i>design of twin bridges over I-10 constructed in conjunction with a Diverging Diamond Interchange</i> . Scope of work includes design of girder span bridges including substructure and superstructure. Responsibilities included the development of preliminary and final engineering plans for the construction of the bridge structures and retaining walls needed for the new I-10 interchange with multiple through and turn lanes on Pecue Lane, an entrance ramp and exit ramp on eastbound I-10, an entrance ramp and exit ramp on westbound I-10, replacing the current two-lane overpass bridge, replacing the Pecue Lane/Wards Creek Bridge, and other work within the limits of the project. An extension to Reiger Road with a new intersection with Pecue Lane is included.
03/17 - 05/18	McCart Avenue, Fort Worth, TX: Lead Structure engineer to develop plans and specifications for 3 vehicular bridges with approaches. Project limits are on McCart Avenue from Reisinger Road to Twin Leaf Drive and McPherson Boulevard from West Cleburne Road to McCart Avenue. Work includes, but not limited to, conceptual, preliminary, and final design plans, specifications and estimates, construction monitoring, and additional tasks as necessary to accomplish this objective. Direct and supervised developing bridge plans and details. <i>Design and detail bridge superstructure and substructures</i> . QC design analysis and provide guides for design engineers and CADD. Prepare final plans and construction estimated quantities according to TXDOT guidelines.
07/13 – 05/16	I30/I35E Interchange- Horseshoe Design Build, Dallas, TX: Responsibilities included review and QC of plans and calculations. Reviewed design criteria and conducted peer review on concrete girder bridges and verified foundation design loads and analysis for single and multi-columns bent caps. Performed independent design review (IDR) on multiple superstructures and substructures design for connector Bridges. Designed and detailed five (5) unlike large signs to mount on existing concrete and steel bridges. Prepared and reviewed mounting details and connection to concrete and steel railroad bridges. The Sign truss structure designed and detailed to accommodate different skew angles and sign sizes
03/14 - 11/15	- SH 183 Managed Lanes- Design Build, Dallas, TX: Structure Manager responsible for preparing <i>structure layout and design</i> for the Comprehensive Development Agreement “SH183 Managed Lanes Project”. Led a team of structure engineers to provide the design and layout including stage construction for 51 bridges and 128 walls for base and components scope along SH 183, SH114 and LP 12 from SH 121 to IH 35E in Dallas and Tarrant Counties. Inspect and evaluate 42 bridges conditions along SH114. Prepare geometry and a connection to a collector distributor. Direct preliminary design for soil nail, drilled shaft and cast in place walls on various locations along the corridor. Prepare bridge and wall exhibits for bidding document. Assist and review proposed aesthetic details along the project. Responsible for preparing and reviewing final Structures quantity estimates. Provide proposal writing for bridges and walls.
04/12 – 05/13	LA 1 over I-19 Bridge Rehabilitation, Rapides Parish, LA. Project Manager, Engineer of Record. Provided professional inspection, rehabilitation design, and construction engineering services. The bridge is a 4 spans steel plate girder structure that has uneven settlement and rotation at the abutments which required rehabilitation to stabilize the movement and raise the bridge back to its original as built elevation. Responsibilities included directing team and over all task involves the preparation of geometric layout plan development; <i>bridge design and final plans</i> , specifications and estimates for LA 1 Bridge over I-49 according to LADOTD BDEM. Performed QA/QC, prepared construction cost estimate, reviewed/revised plans based on LADOTD comments

16. Staff Experience

Firm employed by		ARCADIS	
Name	Badre Enam, PhD, PE	Years of relevant experience with this employer	14
Title	Bridge Engineer	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization		PhD / 2008 / Structural Engineering, Florida State University MS / 2001 / Structural Engineering, Bangladesh University of Engineering & Technology BS / 1998 / Civil Engineering, Bangladesh University of Engineering & Technology	
Active registration number / state / expiration date		PE.037647 / LA / Exp. 09/2023	
Year registered	2013	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities.		Bridge/ Structural Design	
Experience dates	Experience and qualifications relevant to the proposed contract		
		<p>Dr. Enam has more than 21 years of experience as a Structural Engineer. His professional design experience includes (i) structural analysis and design of steel and concrete structures (using STAAD Pro, Sap 2000, RISA 3D etc.), (ii) deep foundation design using pile and drilled shaft (iii) Finite Element Analysis (using GTStrudl, ANSYS), (iv) concrete bridges as per Load and Resistance Factor Design (LRFD) specifications using pre-stressed box, bulb tees and American Association of State Highway and Transportation Officials (AASHTO) girders, (v) railroad bridge, (vi) steel plate girder bridges (LRFD) including moveable spans, (vii) dynamic effects from ship/barge impact on bridge piers (viii) hydraulic structures such as Sector gate, Vertical Lift Gate, T-wall, (ix) residential & commercial buildings (x) stability analysis of dams for seismic loading etc. His responsibilities have included structural design, FE analysis, P&S preparation, bid document preparation, shop drawing review, cost estimation, QA/QC etc.</p>	
04/13 – 04/14	<p>Louisiana Department of Transportation and Development (LADOTD), US 11 Norfolk Southern Railroad Overpass Replacement, St. Tammany Parish, LA. <i>Lead Bridge Engineer</i> for replacement and widening of the US 11 roadway overpass of the Norfolk Southern Railroad. Project included evaluating partial and full access intersection options and bridge alignment and type alternatives for the heavily skewed and long steel span bridge in this urban area of Slidell, Louisiana. A key feature of the project was preliminary design of a 380-ft long steel plate girder bridge span on an S curve over the Norfolk Southern right-of-way. Performed cost estimation and construction sequencing to minimize traffic delay during construction.</p>		
08/19 – Ongoing	<p>East Baton Rouge City-Parish, Alphonse Forbes Road at Sandy Bayou Bridge Replacement, Watson, LA. <i>Bridge Design.</i> The Alphonse Forbes Road bridge was closed and Arcadis was selected by the city-Parish to complete a design study, topographic survey, and preliminary and final designs. The engineering responsibilities include the development of General Plans, foundation layouts, super-elevation diagrams in addition to structural design, detailing and load ratings of various bridge components such as: slab spans, bent caps, approach slabs, etc.</p>		
10/15 – 04/18	<p>LADOTD Off-System Highway Bridge Replacement Program, North Bayou Black Drive / Hanson Canal Bridge, Terrebonne Parish, LA. <i>Designer of Record and Project Manager</i> responsible for providing all necessary engineering and related services required for developing plans for the replacement of an off-system highway bridge. Detailed designed effort included filed surveying, right of way adjustment, crash barrier selection, hydraulic analysis, preliminary plan preparation and quantity estimation.</p>		

06/16 – Ongoing	LADOTD, US 90 Business Signing Upgrade, Jefferson & Orleans Parishes, LA. <i>Senior Structural Engineer</i> responsible for designing the Standard overhead and roadside signing structures following LADOTD and AASHTO design standards for the US 90 Business corridor for a length of approximately 5 miles. Investigated the as-built plans for the types, sizes and clearances of existing bridge girders, barrier, parapets, and deck overhangs to specify the sign-support attachments. Responsibility also included design of steel structures, structural quantities estimation and preparation of structural drawings.
01/12 – 08/14	United States Army Corps of Engineers (USACE) – Memphis District, USACE IDIQ, LPV 145 Bayou Bienvenue Swing Span Bridge, St. Bernard Parish, LA. <i>Bridge Designer of Record</i> performed P&S level structural design of a 135-foot steel swing span bridge as per AASHTO LRFD specification and concrete approach slab spans (LADOTD standards) founded on pile bents. Responsible for LRFD based design of substructure items and foundation of the same bridge along with quantity takeoff.
01/14 – Ongoing *Section 17 Project*	LADOTD, Pete’s Highway / I-12 Interchange EA / IMR and Alternatives, Livingston Parish, LA. <i>Bridge Engineer</i> design alternatives included two split diamond interchange options with roundabout, partial clover leaves, and collector-distributor road components at both Range Avenue and the next existing, eastern overpass at Pete’s Highway (LA 16); and a diverging diamond interchange alternative at Range Avenue. Performed preliminary design of a bridge spanning over I-12, which featured LADOTD LG girders. Worked on construction sequencing to widen Range Ave. under the I-12 overpass that introduced an additional lane by excavating and retaining the existing embankments and providing added vertical clearance under the bridge.
02/09 – 12/09	USACE, US 90 – WBV 73 Western Tie-In Crossing Lake Cataouatche Area, Jefferson Parish and St. Charles Parish, LA. <i>Project Structural Engineer</i> performed QC of design calculations and final construction plans for P&S level design of a 2,540-foot PPC girder/pile bent bridge and roadway approaches following AASHTO specifications for coastal regions.



16. Staff Experience

-Firm employed by			
Name	Keith Rebello, PhD, PE	Years of relevant experience with this employer	24
Title	Senior Structural Engineer	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization		BS / 1983 / Civil Engineering MS / 1986 / Civil Engineering PhD / 1990 / Civil Engineering	
Active registration number / state / expiration date		PE.0024937 / Louisiana / 03-31-2023	
Year registered	1992	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Line & Grade (Bridge/Structural)	
Experience dates	Experience and qualifications relevant to the proposed contract		
	<p>Dr. Rebello has 31 years of structural engineering experience following his research work on non-linear deformation behavior of pre-stressed concrete bridges. His bridge design experience encompasses both structural steel and pre-stressed concrete structures including pre-stressed concrete I-girders, steel plate, steel box girders, long span steel trusses, horizontally curved steel plate girders, post tensioned segmental precast/cast in place box girders, and welded steel plate girders. He has designed and managed a variety of structural projects involving complex interstate & highway bridges (new, replacement, rehabilitation and widening), retaining walls, noise walls, buildings, water and wastewater treatment facilities, hurricane protection systems & hydraulic structures. He has experience in rating of bridges in accordance with LADOTD and AASHTO MBE requirements and performed ratings using AASHTOWare Bridge Rating (Virtis) Software & finite element analysis where required.</p>		
08/05 – 07/13 *Section 17 Project*	<p>S.P. NO. 840-43-0001, Fort Buhlow Bridge, Alexandria, LA. Structural Engineer. Performed preliminary design of a new 0.6-mile bridge spanning the Red River. Developed alternative designs employing pre-stressed concrete and steel girder spans and segmental concrete box girders spans. <i>Prepared preliminary plan alternative layouts</i> for curved steel girder ramps and bridge plans for an overpass over a railroad, using conventional precast pre-stressed concrete girders. Ultimately, the bridge was designed with AASHTO 72" Type BT girder spans and a 1000', 3-span steel girder unit over the channel</p>		
02/20 – Ongoing	<p>H.013897 I-10 & I-12 College Dr. Flyover Ramp Design-Build Project, East Baton Rouge Parish, LA. Bridge Task Lead. Bridge Task Lead for the GEC/Boh Bros team. Responsible for engineering and design quality services necessary to complete the design and construction of the I-10 & I-12 College Dr. Flyover Project. The Flyover was designed and construction plans were developed to permit a two-phase construction in order to maintain at least two lanes of traffic at all times. <i>Designed the two-span continuous (180 feet per span) steel superstructure for the flyover</i> as well as rolled steel girder spans for widening the existing I-10 westbound bridge over Ward Creek. Designed and developed plans for retaining walls for the entire project and is currently working on the design of the required sound barriers.</p>		
07/16 – Ongoing	<p>GNOEC, Inspection of The Causeway Bridge And Approaches, Lake Pontchartrain Northshore, LA. Load Rating Structural Engineer. Primary <i>Load Rating Structural Engineer</i> on this project. Federal Law 39 FR 10430 requires that all bridges on public roads be inspected and rated in accordance with National Bridge Inspection Standards (NBIS), 23 CFR Part 650, Subpart C. As Consulting Engineer for the Greater New Orleans Expressway Commission (GNOEC), GEC is responsible for the NBIS</p>		

16. Staff Experience

	inspection and load rating for all GNOEC owned bridges. Performed superstructure ratings for double-leaf steel Bascule Spans, prestressed concrete box girder spans, prestressed concrete monolithic girder and slab spans, and composite steel girder and concrete deck spans on the GNOEC owned system. GEC has conducted the inspections in accordance with the NBIS, utilizing the AASHTO Manuals for Bridge Evaluation and Bridge Element Inspection and LADOTD <i>Pontis Inspection Manual requirements</i> .
07/15 – Ongoing	H.004273.5, I-49 Connector, Lafayette Parish, LA. Structural Engineer. This project includes <i>bridge design and construction of a freeway with accompanying interchanges</i> in the Evangeline Thruway US 90/US 167 corridor and flanking collector/distributor roads for local traffic circulation and land access. The project begins just south of the Lafayette Regional Airport and continues north to the I-10/US 167/I-49 interchange, a length of approximately five miles. During the SEIS, Dr. Rebello performed grillage analyses to design three-span continuous steel tub girders as a viable alternative to other bridge span types.
04/13 – Ongoing	H.011207 & H.011239, LA 1 Bridge, Leeville to Golden Meadow, Lafourche Parish, LA. Structural Engineer. Structural Engineer involved in the design of the widening of an existing bridge and the construction of a new bridge totaling 6,500 feet in length. The variably widened portion of the bridge consists of prestressed concrete Type III girder spans. The new bridge portions will be supported on special new Louisiana (LG) girders. Dr. Rebello performed the LRFR rating on the existing girders and pile bents to assess the structural feasibility for widening. Dr. Rebello was responsible for ensuring that all updated AASHTO and LADOTD specifications were incorporated into the design. Once the widening was deemed feasible, and all design completed, Dr. Rebello performed an as-designed rating on the entire structure.
06/12 – Ongoing	H.003074, I-10 New Orleans, Williams To Veterans, New Orleans, LA. Structural Engineer. In charge of bridge load rating of existing bridges, bridge design management, and structural design for this complex project. Initial extensive load rating of the existing bridges done at GEC, resulted in LADOTD making an informed decision to replace the bridges. Supervised the structural design of all components of the replacement bridges – deep foundations, bridge piers, and steel and pre-stressed concrete bridge superstructure. Design has also been performed on the replacement of portions of the concrete lining of Canal No. 3 that will be impacted by the new bridge design. Supervised and <i>performed superstructure and substructure load rating for existing bridges and ramps</i> for this highly congested 2.58-mile urban interstate project. The extensive load rating and documentation provided to LADOTD allowed an informed decision to be made regarding widening or replacing the existing bridges. The data supported bridge replacement. Lead Designer for the superstructure design, included composite pre-stress and steel girder span. All pre-stress girders were Louisiana (LG) girders designed in accordance with AASHTO LRFD bridge specifications.
04/19 – Ongoing	Bluebonnet Blvd. (Perkins to Picardy), Baton Rouge, LA. Structural Design. GEC is designing the widening of Bluebonnet Blvd. to include an additional lane in each direction. Performed an investigation of the bridge over Dawson Creek to determine whether the bridge should be widened or replaced in accordance with Part 1, Chapter 6 of the LADOTD BDEM. This investigation will start with an in-depth investigation of the bridge superstructure and substructure. The inspection report will provide Condition Ratings for the superstructure, substructure, and piles. The Condition Ratings will be used in the performance of a bridge load rating based on the AASHTO Manual of Bridge Evaluation and the LADOTD BDEM. (City-Parish Project No. 19-CP-HC-0034)


16. Staff Experience

Firm employed by			
Name	Varaprasad Venkata	Years of relevant experience with this employer	14
Title	Senior Civil/Structural Engineer	Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization		B.S. / 1992 / Civil Engineering M.S. / 1995 / Structural Engineering	
Active registration number / state / expiration date		40594 / Louisiana / 09/30/2024	
Year registered	2016	Discipline	Structural
Contract role(s) / brief description of responsibilities.		Line & Grade (Bridge/Structural)	
Experience dates		Experience and qualifications relevant to the proposed contract	
		<p>Mr. Venkata has 24 years of structural engineering experience involving highway bridges, low & high mast light pole supports, highway sign supports, hurricane protection systems, water treatment and distribution facilities, and industrial structures. He has provided design services for state agencies inclusive of FHWA funding, tolling commissions, as well as non-state entities and private industry. His design experience includes AASHTO structural sign supports for highway signs, traffic signal supports, camera pole platforms and supports, DMS sign supports and main platforms, and low and high mast light pole attachments and foundations. His bridge design experience includes the widening of existing structures and new structures for highly congested interstates and major highways, which includes, but not limited to, the design of pile bents, column bents, PSC girders, concrete deck, pre-stressed Type III girder spans, and steel girders.</p>	
04/19 – 12/21	<p>Chevelle Drive and Sarasota Drive Bridge Replacements, East Baton Rouge Parish, LA. Structural Engineer. This project included the replacement of the existing Chevelle Drive Bridge over the West Fork of the North Branch of Ward Creek with a 4-span 80-foot-long slab span bridge and the existing Sarasota Drive bridge over Engineers Depot Canal with a 5-span 105-foot long (20', 20', 25', 20', 20') slab span bridge. Both bridges will have pedestrian walks and are located in Baton Rouge, Louisiana. Performed final design calculations, plan preparation and as-designed rating for both bridges in accordance with AASHTO LRFD Bridge Design Specifications, the ASASHTO Manual for Bridge Evaluation, and the LADOTD Bridge Design Manual. (Bridge Recall No(s). 800541 and 800561; City Parish Project No. 18-BRUS-0016)</p>		
2016	<p>Almonaster Avenue Bridge, New Orleans, LA. Structural Engineer. This project consisted of preparing preliminary and final bridge design and electrical operation of the proposed in-line replacement of the existing Strauss Heel Trunnion Bascule Bridge with a new proposed rolling lift bascule bridge. GEC performed the preliminary movable bridge structural superstructure design calculations for the proposed combination highway and railway steel trusses, portals, sway frames, stringers, girders, floor beams, diaphragms, bearings, track girders rack frames, counterweights, open grid floorings, and barriers for the proposed single leaf Scherzer rolling lift bascule movable 204' span. GEC also performed the preliminary electrical design.</p>		
09/20 – Ongoing	<p>Bluebonnet Blvd. (Perkins to Picardy), Baton Rouge, LA. Bridge Design. GEC is designing the widening of Bluebonnet Blvd. to include an additional lane in each direction. Performed QC checks on bridge rating calculations to determine whether the bridge should be widened or replaced in accordance with Part 1, Chapter 6 of the LADOTD BDEM and AASHTO Manual of Bridge Evaluation. Based on the load rating, it was recommended that the existing bridge be replaced. Performed the feasibility review of phased construction of the new replacement bridge, maintaining two lanes of traffic in each direction</p>		

16. Staff Experience

	during all phases of construction. He developed a new widened bridge layout plan with 3-phases of construction. (City-Parish Project No. 19-CP-HC-0034).
07/07 – 07/11	Highland Road (LA 42) Improvements (Perkins to Airline), Baton Rouge, LA. Structural Design. <i>Designed new bridge crossings</i> at both Ward's Creek and Old Ward's Creek and tied to completed intersection improvements at Perkins Road and at Airline Highway. The bridges are 240' (6 spans at 40') and 160' (4 spans at 40') in length respectively composed of quad beams or 24" pile bents all designed from AASHTO LRFD.
07/12 – Ongoing	I-10 Widening, Williams to Veterans, New Orleans, LA. Structural Engineer. <i>Performed superstructure and substructure load rating for existing bridges and ramps</i> for this highly congested 2.28-mile urban interstate. The extensive load rating and documentation provided to LADOTD allowed an informed decision to be made on whether to widen or replace the existing bridges at Veterans crossing. Performed structural design of Pile bents, column bents, LG type PSC Girders, steel plate girders, bearing pads, deck slabs, curtain walls for new Southbound bridge, Northbound bridge and off Ramp to Veterans Blvd. in accordance with AASHTO LRFD Bridge design specifications and LADOTD BDEM. Assisted in the development of plans and specs. Worked on design and as designed rating for both bridges in accordance with AASHTO LRFD Bridge Design Specifications and LADOTD Bridge design standards. Provided design of two structure-mounted trusses (overhead and cantilever) for relocated signs.
01/05 – 01/10	US 71/165 Fort Buhlow Bridge and Approaches Over the Red River, Alexandria, LA. Structural Engineer. Performed final structural design of pile supporting column bents for approaches on both northbound & southbound bridges. Performed checking of design calculations for the 72" deep Bulb-T prestressed girder design for approaches as part of the QC process. Checked the pier design for the main bridge which was a continuous steel girder unit consisting of spans of 300', 400' and 300' for a total length of 1000'. GEC prepared final bridge and roadway plans after completing feasibility, line and grade study, traffic study & environmental assessment. (S.P. No. 700-28-0004)
2016	Greater New Orleans Expressway Commission, 9-Mile Turnaround Spans, Crossover #5 Expansion, Causeway Bridge, Mandeville, LA. Structural Engineer. Performed final structural design calculations of PSC Girders, Pile Bents with 36" diameter Cylinder piles and deck slab for Crossover #5 Extension for Causeway Bridge. Hurricane Katrina severely damaged the access ramps on the 9-Mile Turnaround. GEC conducted a detailed damage assessment and coordinated with DOTD and FHWA to obtain Hurricane Katrina Emergency Relief Program Permanent Restoration funding for the repair of the turnaround. Permanent Restoration funding is used to modify existing structures to minimize the damage from future events. An economic study was performed, and it was determined that the most prudent course of action was to widen Crossover #5 instead of rebuilding the ramps to the turnaround. This project constructed a platform between the NB and SB bridges that is approximately 120 ft long by 80 ft wide. The platform, constructed of AASHTO Type IV PPC Girders, is designed for full vehicle loading and the placement of a communications tower.
11/18 – 07/20	I-10 Service Road Bridge Replacements, Slidell, LA. Structural Engineer. This project included the replacement of a 5 span 100 feet long concrete slab span bridge over Reine Canal and 5 span 100 feet long slab span bridge with 30-degree skew over French Branch Canal. Worked on design and as designed rating for both bridges in accordance with AASHTO LRFD Bridge Design Specifications and LA DOTD Bridge design standards.



16. Staff Experience

Firm employed by		ARCADIS	
Name	Scott Brookhart, PE, CFM	Years of relevant experience with this employer	2
Title	Senior Hydraulics Design Leader	Years of relevant experience with other employer(s)	29
Degree(s) / Years / Specialization		BS / 1989 / Civil Engineering, North Carolina State University	
Active registration number / state / expiration date		PE.0046177 / LA / Exp. 03/31/2024	
Year registered	2021	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Hydrologic and Hydraulic Analysis	
Experience dates	Experience and qualifications relevant to the proposed contract		
	<p>Mr. Brookhart is a Senior Hydraulic Design Manager with more than 31 years of experience providing Hydrologic & Hydraulic bridge design, stormwater management, erosion control, and floodplain management services for DOTs (NCDOT, GDOT, TDOT, SCDOT), FEMA, and municipal/private clients. He has managed multiple On-Call contracts and individual projects for various DOTs and municipalities. He has a thorough understanding of hydrologic and hydraulic design of culverts and bridges including HEC-RAS modeling (1D and 2D), deck drainage calculations, scour calculations and countermeasures, and FEMA processes. He is also familiar with current Federal Hydraulic Design Series (HDS) guidance. He is experienced in the use of HEC-2, HEC-RAS, HY-8, Flowmaster, FHWA Hydraulic Toolbox, SWMM, ArcGIS, StormCAD, MicroStation, Geopak Drainage, and Open Roads Designer.</p>		
10/95 – 06/18	<p>On-Call Hydrologic and Hydraulic Design Services Contracts, NCDOT, Statewide, NC. Project Engineer/Senior Project Manager. Under several design services contracts, completed hydrologic & hydraulic design for dozens of roadway and bridge projects at various locations throughout North Carolina. Project elements included storm drainage design, bridge and culvert hydraulic designs, FEMA No-rise/CLOMR/LOMRs, erosion and sediment control, stormwater management, and permit drawings. Projects ranged from small bridge replacements to interstate level designs.</p>		
06/20 – 12/20	<p>Bridge Replacement – I-40 over Buffalo River, TDOT, Humphreys County, TN. QA/QC Engineer. Provided senior QA/QC review of the bridge replacements for the WB and EB bridges on I-40 over the Buffalo River. Review covered items such as the HEC-RAS modeling, deck drainage calculations on the proposed structure, scour calculations, and review of the Hydraulic Design File.</p>		
09/99 – 08/04	<p>On-call Hydraulic Design Services, SCDOT, Statewide, SC. Project Engineer. Provided hydraulic/hydrologic design services for roadway projects throughout the state. Tasks included several bridge replacements and new location/widening projects. Complex storm drainage design and stream modelling (1D and 2D) were required. Some of the projects completed under this contract have included US 21 Widening, Beaufort County; Pisgah Church Road (S-204) over Twelve-Mile Creek, Lexington County; and S-40 Bridge Replacement over Turkey Creek, Edgefield County</p>		
10/19 – Ongoing	<p>City of Fayetteville Watershed Master Plan, City of Fayetteville; Fayetteville, NC. Project Manager. Developed a watershed master plan for the Blounts Creek watershed through the City of Fayetteville. The master planning includes the hydrologic and hydraulic assessment of multiple storm drainage systems and road crossings utilizing ICM and HEC-RAS for 1D and 2D analysis. The project will assist the City in determining future infrastructure needs.</p>		
11/17 – 10/18	<p>Mon/Fayette Expressway, PA 51 to I-376, Section 53G, Pennsylvania Turnpike Commission (PTC), Allegheny County, PA. Senior Hydraulic Engineer. Responsible for providing oversight and guidance on hydrologic and hydraulic calculations and analysis utilizing HEC-RAS modelling for culverts/bridges within the designated section. Each waterway structure was either relocated,</p>		

16. Staff Experience

	extended or proposed as a new structure. Several of the structures are in detailed FEMA study areas and require utilizing existing HEC-2 data for comparison.
01/20 – Ongoing	SR 38 (US 84) over Little McMillan Creek, GDOT, Wayne County, Georgia <i>Senior Hydraulic Engineer</i> . Responsible for QA/QC of the hydrologic and hydraulic design for this bridge replacement. The design consists of placing 250'+ dual bridges over Little McMillan Creek. Hydrologic design utilized USGS StreamStats and the hydraulic design utilized HEC-RAS. Deck drainage design, and a scour analysis were also completed, and the Hydraulic Report submitted to GDOT. With the location in a FEMA Zone AE without floodway, the HEC-RAS models were run for FEMA flows and USGS flows.
01/16 – 10/16	R-5771 - SR 1690 (Broadpointe Road), Henderson County, NC. <i>Senior Hydraulic Engineer</i> . Responsible for the hydraulic design to upgrade a portion of SR 1690 to a paved roadway on new alignment along with the replacement of bridge #107 over McDowell Creek. The project includes <i>storm drainage design, bridge hydraulic design, a FEMA no-rise study</i> , erosion and sediment control, and permit drawings.
2012 – 2014	Division Design Open-End: Low Impact Bridge Replacement Projects (LIBRP), NCDOT, Iredell/Gaston Counties, NC. <i>Senior Hydraulic Engineer</i> . Provided revised Bridge Survey Reports and <i>FEMA documentation</i> , erosion/sediment control plans and permit drawings for the following bridges: <ul style="list-style-type: none"> • Iredell County Bridge #78 – SR 1004 (Buffalo Shoals Rd) over Third Creek • Iredell County Bridge #212 - SR 1892 (Jennings Rd) over Patterson Creek • Iredell County Bridge #214- SR 1896 (Friendship Rd) over Patterson Creek • Gaston County Bridge #176 – SR 1836(Old Willis School Rd) over Hoyle Creek • Gaston County Bridge #177 – SR 1837 (Hoyles Creek Rd) over Hoyle Creek • Catawba County Bridge #085 - SR 1858 (N. Olivers Cross Rd.) over Maiden Creek


16. Staff Experience

Firm employed by			
Name	Amanda Check, PE	Years of relevant experience with this employer	6.5
Title	CADD (Mitigation Banking)	Years of relevant experience with other employer(s)	6.5
Degree(s) / Years / Specialization		BS / 2008 / Civil Engineering, Georgia Institute of Technology	
Active registration number / state / expiration date		PE.37554/GA, 76344/FL, 044869/NC, 0402056784/VA, 35900/SC, 121879/TN, 136453/TX; GSWCC Level II (0000070152)	
Year registered		Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Hydrologic & Hydraulic Analysis/Drainage Design	
Experience dates	Experience and qualifications relevant to the proposed contract		
	<p>Ms. Check has experience in drainage and hydraulic design, MS4, erosion control, roadway design, and geographic information systems (GIS). She has completed hydrologic and hydraulic modeling and studies on culverts, bottomless culverts, and bridges, including adhering to FEMA requirements on FEMA studied waterways. She has designed horizontal and vertical alignments, roadway drainage, MS4, and erosion control on projects ranging from rural roadways to interstates. Her knowledge and experience with GIS provide a valuable supplement to her design capabilities. Ms. Check has knowledge in multiple software programs including MicroStation, StormCAD, InRoads, HEC-RAS, HEC-2, SRH-2D, HY-8, Hydraflow, FlowMaster, PondPack, SWMM, WinTR-55, SMS, WMS, and ArcGIS. She is a member of ASHE and ACEC.</p>		
09/15 - 11/18	<p>I-85 Express Lanes Extension, GDOT, Gwinnett County, GA. <i>Hydraulic/Drainage Engineer</i> for the large-scale, technically complex design-build project to widen and reconstruct approximately 10.6 miles of I-85, adding an additional lane in each direction. The project included outside widening, inside widening with center median barrier added, and bridge and interchange construction. Responsible for the drainage and MS4 design and respective reports preparation. Drainage design on the project included over 15,000 ft of storm drain systems, 8 detention ponds, 8 sediment basins, 11 culvert extensions, and ditches. The largest project constructed in Georgia to comply with the NPDES MS4 Permit.</p>		
03/20 - 03/21	<p>I-285 Westbound Ramp Extension, GDOT, DeKalb County, GA. <i>Hydraulic/Drainage Engineer</i> for this project which extends an I-285 westbound off-ramp, with the widening occurring over existing box culverts at North Fork Nancy Creek and North Fork Nancy Creek Unnamed Tributary 2. The project site is located in FEMA Zone AE and has a designated floodway. The extensions of the two box culverts resulted in a minimal rise in BFEs. Responsible for the hydraulic analysis and associated Conditional Letter of Map Revision (CLOMR) application package, FEMA coordination, and community coordination. After the initial CLOMR submittal to FEMA the HEC-RAS modeling and extension design was revised to obtain a no-rise by lining one of the culvert barrels, eliminating impacts upstream.</p>		
02/20 - 03/20 (Professional Services); 05/20 - 10/20 (Construction);	<p>SR 71 Stream Restoration, GDOT, Whitfield County, GA. <i>Hydraulic/Drainage Engineer</i> for this maintenance project to realign and restore a segment of stream channel parallel to SR 71 due to the stream eroding and causing roadway embankment failure near an existing box culvert under SR 71. The project included removal of sediment accumulation, realignment of the stream channel, repair of an adjacent collapsed driveway pipe at the culvert inlet, regrading, and armoring of the channel bank and culvert inlet wingwall. Responsible for the design of the stream restoration, development of channel cross sections,</p>		

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	riprap/bank armor design, and stream restoration plans in MicroStation to accompany the USACE Pre-Construction Notification (PCN) for permitting.
11/18 - 04/20	Environmental Guidebooks, GDOT, Statewide, GA. <i>Engineer</i> for the development of example plan sheets to accompany Department Guidebooks for ecology reporting and permitting. The example plan sheets provided guidance on how to show, label, and quantify buffer, stream, and wetland disturbances and impacts for typical scenarios on linear roadway and bridge construction projects. The example plan sheets also included guidance on: drainage structure exemption areas at existing and/or proposed culverts and bridges; placement of orange barrier fence (OBF) near environmentally sensitive areas (ESAs); riprap, work bridges, debris containment structures, cofferdams and jetties. Responsible for the production of the example plan sheets in MicroStation, which incorporated color and shading to help distinguish the various impacts and information.
07/20 - 03/21	Gibson Tract Mitigation Site, FDOT, Hillsborough County, FL. <i>Hydraulic Engineer</i> on the project which proposes two mitigation wetlands adjacent to Bullfrog Creek, designated as FEMA Zone AE with a designated floodway. FDOT is proposing the freshwater and estuarine forested habitats in anticipation of the need to mitigate impacts to freshwater and estuarine forested ecosystems for future FDOT projects and the lack of availability of these credits at mitigation banks within the Tampa Bay Basin. <i>Pre- and post-construction hydraulic analysis</i> of the affected stream segment with the proposed wetlands to adhere to County, Southwest FL Water Management District, State, and FEMA requirements. Provided technical assistance and reviewed the FEMA and County SWMM models to achieve a no-rise and prepared the associated report.

16. Staff Experience

Firm employed by		SJB GROUP, LLC <small>QUALITY BY DESIGN</small>	
Name	Matthew Estopinal, PE, PLS	Years of relevant experience with this employer	2
Title	Survey Principal	Years of relevant experience with other employer(s)	15
Degree(s) / Years / Specialization		B.S. in Civil Engineering, 2009, Louisiana State University	
Active registration number / state / expiration date		PE.39151 / Louisiana / Exp. 03/31/2025 & PLS.004955 / Louisiana/ Exp. 03/31/2025	
Year registered	2014 / 2006	Discipline	Civil / Survey
Contract role(s) / brief description of responsibilities.		Professional Land Surveyor	
Experience dates	Experience and qualifications relevant to the proposed contract		
	Principal-in-Charge. Mr. Estopinal has more than fifteen (15) years of experience as a professional land surveyor and eight (8) years as a Louisiana licensed professional civil engineer in transportation and community development related projects. Mr. Estopinal is highly proficient with AutoCAD Civil 3D, including the built-in analysis tools (Storm Sewers and Vehicle Tracking), the LA-DOTD HYDR programs, HydroCAD, Global Mapper and other technical software packages used in civil engineering and land surveying.		
03/22 – Ongoing	LA 385: Ryan Street Intersection Improvements, LADOTD. Project Manager. A topographic survey was required in Calcasieu Parish, Louisiana near the intersection of I-210 and LA 385 (Ryan Street) and near the campus of McNeese State University. The survey included all utilities with depths and all drainage, along with finish floor elevations of all buildings that fell within the survey limits. The total linear distance is approximately 2.67 miles.		
02/22 – 06/22	LA 3021: Dual Turn Lanes @ LA 38, LADOTD. Project Manager / QA/QC. LA DOTD tasked SJB Group to perform a topographic survey in Orleans Parish, Louisiana. The survey was located at the intersection of LA 39 (N. Claiborne Ave.) and LA 46 (Elysian Fields Ave.), and included all utilities with depths, drainage, and finish floor elevations of all buildings within the survey limits. The project had a total linear distance of approximately 3,600 feet.		
11/21 – 12/21	Conway Development Topographic Survey for Novus Reb Engineering. Project Manager. This project consisted of performing a topographic survey of a tract in the Conway development and is limited to running cross-sections through the topo limits. Shots were taken with the use of a robotic total station and 360d prism mounted on a closed cab UTV. Horizontal and vertical control was established at the site with Leica SmartNET RTN.		
10/21 - Ongoing	I-10: LA 415 to Essen on I-10 and I-12, LADOTD, QA/QC. This project required a property survey along a 4.4 mile stretch of Interstate 10 from St. Joseph St. to College Dr. for the LA DOTD's I-10 widening project. Under previous IDIQ contracts and task orders, offeror performed a topographic survey of the I-10 and I-12 corridor, and prepared the property survey for the I-10 Widening Project. Offeror performed additional property surveys of specific areas identified by the project design team as requiring more information.		
07/21 – 10/21	Blackwater Bayou Bridge, LADOTD. Project Manager / QA/QC. This project required the replacement of a bridge structure and a diversion road during construction along LA Hwy. 410 in East Baton Rouge Parish. SJB provided a right-of-way map.		
07/21 – 02/22	UP RR Corridor (Plaquemine), LADOTD. Project Manager / QA/QC. SJB Group performed a complete topographic survey including all utilities, depths and drainage, along with finish floor elevations of all buildings that fell within the survey limits at the intersection of LA 1 and Bayou Rd., and the intersection of Belleview Dr. and Railroad Ave.		

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03/21 – 05/22	MovEBR Nicholson Segment 2, East Baton Rouge City-Parish. <i>Survey Project Manager.</i> A topographic survey with scanning, property and right-of-way survey, and subsurface utility engineering were completed by SJB Group for this project.
01/21 - 06/21	DES Regional Pump Station #299, East Baton Rouge City/Parish. <i>Project Manager/Surveyor of Record.</i> This project required the topographic survey and property survey with the preparation of Right-of-Way maps for a force-main extension from the eastern end of Constantin Phase 2 (Dijon) to an existing Sewer Pump Station on the west side of Bluebonnet Blvd.
01/21 - Ongoing	MovEBR Synchronization & Communication Signal Rebuilds, East Baton Rouge City-Parish. <i>Surveyor on Record.</i> A topographic survey and right-of-way maps were included for six intersections.
09/20 - Ongoing	MovEBR Perkins Road, Siegen to Pecue, East Baton Rouge City-Parish. <i>Project Manager / Surveyor on Record.</i> A Topographic survey and right-of-way maps for Perkins Road from Siegen Lane to Pecue Lane was completed.
09/20 - Ongoing	MovEBR Sherwood Forest Multi-Use Path, East Baton Rouge City-Parish. <i>Project Manager.</i> A topographic survey and engineering design were completed to improve pedestrian and bicycle mobility along S. Sherwood Forest by adding a multi-use path along the west side of the roadway from Mead Dr. to Old Hammond Hwy.
09/20 - Ongoing	MovEBR Sherwood Forest Sidewalks, East Baton Rouge City-Parish. <i>Project Manager.</i> A topographic survey and engineering design were completed to improve pedestrian mobility along S. Sherwood Forest Blvd by adding a sidewalk along the west side of the roadway from Coursey to Mead Dr.
07/20 - Ongoing	Rural Bridge Replacement Initiative, LADOTD. <i>Project Manager.</i> Topographic surveys, right-of-way mapping, and road design performed for the proposed 33 bridge replacements for LA DOTD Districts 03, 07, 61, and 62 as a Sub-consultant. Each site required a complete topographic survey of the project limits, as well as a complete inventory for each drainage structure (type, size, length, and invert), and cross sections of all drainage ways.
03/20 – 12/21	St. Francisville Sewer Treatment Plant, Pump Stations, and Force Mains. <i>Project Manager.</i> The project includes a topographic survey and boundary and servitude maps for the force main route (approximately 8,000 linear feet), pump station, and treatment plant site.
02/20 – 07/21	MoveBR Plank Road Corridor Enhancement Segment 2 (Dawson Drive to Harding). East Baton Rouge City-Parish. <i>Project Manager.</i> A topographic survey was completed to improve pedestrian and cyclist mobility along Plank Road from Dawson Drive to Harding Boulevard.
01/18 - 12/18	I-49 Lake Charles, LADOTD. <i>Liaison/Coordinator.</i> This project required topographic and property/Right-of-Way surveying maps for the proposed I-49 improvements in Lafayette. While working for Stantec, Mr. Estopinal served as in-house coordinator and liaison between Stantec and sub-contractor firms performing the surveying work on the project.



16. Staff Experience

Firm employed by		SJB GROUP, LLC <small>QUALITY BY DESIGN</small>	
Name	Colby Mire, PLS	Years of relevant experience with this employer	9
Title	Survey Department Manager	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		B.S. in Construction Engineering Technology, 2015 Southeastern Louisiana University	
Active registration number / state / expiration date		PLS.005308 / Louisiana / Exp. 09/30/2023	
Year registered	2023	Discipline	Professional Land Surveyor
Contract role(s) / brief description of responsibilities.		Survey	
Experience dates	Experience and qualifications relevant to the proposed contract		
	Mr. Mire has six years of experience in the land surveying field. He has worked as a rodman, party chief, and project manager for SJB Group. He has worked on numerous projects involving topographic, boundary, and right-of-way surveys, as well as mobile LiDAR scanning. His field experience includes numerous DOTD projects, boundary surveys, construction stakeouts, and topographic and right-of-way surveys throughout Louisiana. Mr. Mire is familiar with LA DOTD Location and Survey procedures, manuals, and software programs.		
07/22 – Present	S. Lewis St Widening - LA DOTD Project No. H.013522 (Prime: Meyers Engineers, Ltd.) <i>Project Manager/Senior Technician.</i> This project consists of providing a topographic survey for the S. Lewis Street widening project in accordance with DOTD procedures. The topographic survey shall extend past the apparent right-of-way to accommodate the road widening.		
06/22 – 12/22	US 167 - Camellia Blvd-Churchill Dr - LA DOTD Project No. H.013716 (Prime: Digital Engineering & Imaging, Inc.) <i>Project Manager/Senior Technician.</i> This project includes thorough topographic survey of the area identifying trees, bushes/shrubs, utility poles, direction of overhead wires, type of pavement surfaces, water meters, sewer cleanouts, fences, water valves, manholes, drainage structures, gas meters, traffic signals, traffic signs, bus shelters, fire hydrants, type of drainage pipes, driveway width, etc. as well as perform Right-of-Way survey for the project limits.		
07/21 – 02/22	UP RR Corridor (Plaquemine) - LA DOTD Project No. H.012851 <i>Project Manager/Senior Technician.</i> This project included a topographic survey with all utilities and depths at the intersection of LA 1 and Bayou Road, and the intersection of Belleview Dr. and Railroad Ave.		
04/21 – 07/21	Hooper Road Widening (LA 3034 – LA 37) - LA DOTD Project No. H.009300.5 <i>Project Manager/Senior Technician.</i> A Topographic survey and subsurface utility engineering were completed by SJB for a one mile stretch of LA Hwy 408 in East Baton Rouge Parish, LA. The topographic survey was an update to a survey done previously by SJB and included locating and verifying all changes to the one mile site since the previous survey was completed in 2014.		
04/21 – 06/21	Centurion Over Drainage Bayou - LA DOTD Project No. H.014322 (Prime: Monroe & Corie) <i>Project Manager/Senior Technician.</i> This project included topographic survey in East Baton Rouge Parish for a bridge location on Centurion Blvd over Drainage Bayou.		
03/21 – Present	MOVEBR- Jefferson Highway at Bluebonnet Intersection Improvement - City Parish No. 20-CP-HC-0046		

16. Staff Experience

	<i>Project Manager/Senior Technician.</i> This project includes topographic survey, property survey, SUE, and Right-of-Way maps of the Jefferson Hwy and Bluebonnet Intersection.
08/20 – 3/22	Rural Bridge Replacement Initiative - LA DOTD Contract No. 44-17597 <i>Junior Project Manager.</i> Topographic surveys, right-of-way mapping, and road design performed for the proposed 33 bridge replacements for LA DOTD Districts 03, 07, 61, and 62 as a Sub-consultant. Each site required a complete topographic survey of the project limits, as well as a complete inventory for each drainage structure (type, size, length, and invert), and cross sections of all drainage ways.
04/20 – 11/20	US 11 Norfolk Southern RR Overpass (HBI) - LA DOTD Project No. H.000688.5 <i>Junior Project Manager.</i> This project included topographic survey and mobile LiDAR scanning in St. Tammany Parish along US 11 between I-12 and US 190.
04/20 – 06/20	US 90 - Pearl River Bridges (HBI) - LA DOTD Project No. H.000284.5 <i>Junior Project Manager.</i> Topographic survey and mobile LiDAR scanning along US 90 and west of Pearl River in St. Tammany Parish. The project began 3,000 feet west of the intersection between US 90 and US 190. The total distance of the survey once complete was 4,000 miles.
01/20 – Present	Roddy Road @ LA 933 Roundabout - Parish of Ascension Project No. MA-19-03 <i>Project Manager/Senior Technician.</i> This project includes a topographic survey and Right-of-Way maps in accordance with LA DOTD Location and Survey Manual for the design of a single lane asphalt roundabout at the intersection of Roddy Road and LA 933 in Gonzales, LA.
04/19 – 08/19	LA 182 Barrow Street Bridge - LA DOTD Project No. H.012735.5 <i>Junior Project Manager.</i> SJB conducted a topographic survey and subsurface utility engineering Quality Level B for design. The purpose of this project was to replace a bridge structure located at the intersection of Park Avenue and Barrow street in downtown Houma.
04/19 – 08/19	LA 1 / LA 415 Connector - LA DOTD Project No. H.05121.5 <i>Party Chief.</i> This project included a topographic survey and drainage map in West Baton Rouge Parish for the design of a future connector roadway from LA 415 to LA 1. The project ran along a corridor beginning north of the intersection of I-10 and LA 415 and continuing in a southeasterly direction to the intersection of Beaulieu Lane and LA 1. This project tied into existing topographic surveys for State Project No. H.004100 on the northern end and H.001234 on the southern end.
10/18 – 04/19	I-10 Paris Road - Lake Pontchartrain - LA DOTD Project No. H.012591 <i>Junior Party Chief.</i> This project included complete topographic survey including utilities with depths and all drainage for an 8.24 mile stretch of Interstate 10 in New Orleans East. The project began near the I-510 overpass and ended at the bridge abutment of the I-10 bridge over Lake Pontchartrain.
07/17 – 01/19	I-12 (LA 21 to US 190) & I-12 (US 190 to LA 59) - LA DOTD Project Nos. H.011137 and H.011152 <i>Junior Party Chief.</i> SJB Group was prime on these projects and performed Topographic Survey alongside Lazenby.
06/17 – 02/18	US 190 Collins Blvd Widening - LA DOTD Project No. H. 004987 <i>Junior Party Chief.</i> SJB performed a topographic survey and a drainage map in St. Tammany Parish. The project began 2,770 feet north of the intersection of North Collins Blvd (Hwy 190) and Branch Crossing Dr. From this point, the project proceeded south along North Collins Blvd. for approximately 3.5 miles, ending 920 feet south of the intersection of Rogers Lane and Hwy 190. This project allowed for improvements along North Collins.


16. Staff Experience

Firm employed by			
Name	Karen Kennedy, PE	Years of relevant experience with this employer	<1
Title	Subsurface Utility Engineering Department Manager	Years of relevant experience with other employer(s)	26
Degree(s) / Years / Specialization		Bachelors of Science / 1995 / Civil Engineering, Louisiana State University	
Active registration number / state / expiration date		28547 / Louisiana / 09/30/2023	
Year registered	1999	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Subsurface Utility Engineering	
Experience dates	Experience and qualifications relevant to the proposed contract		
	<p>Ms. Kennedy has more than twenty-seven years of experience as a licensed engineer working in both the municipal and private sectors on both engineering and surveying projects. Ms. Kennedy is highly proficient with AutoCAD Civil 3D, the LA-DOTD HYDR programs, Global Mapper, and other technical software packages used in civil engineering and land surveying. Ms. Kennedy has worked in the municipal sector completing infrastructure improvement projects for the City of Gonzales, City of Donaldsonville, West Baton Rouge Parish, and Ascension Parish. She also worked in the private development industry planning and designing projects throughout the Greater Baton Rouge Area. Some notable projects include Ascension Parish road widening and reconstruction projects, Harrelson Lateral Culvert Upgrades in East Baton Rouge Parish, and MovEBR S. Sherwood Forest Boulevard Sidewalks and Multi-Use Path.</p>		
10/22 – Present	<p>City-Parish Project No. 20-CP-US-0099 – MOVEBR Airline Highway, North (Florida Blvd to Interstate I-110). <i>SUE Department Manager/Engineer of Record.</i> SJB Group will complete ASCE 38-02 Quality Level D services for the project as a sub-consultant to Huval & Associates. There is a heavy congestion of utilities within these project limits and identification of utility owners and approximate locations is critical to the preliminary design of the project.</p>		
08/22-Present	<p>LA DOTD Task Order No. H.001820.5-3 – LA 485 Bridges Near Allen Construction Inspection. <i>SUE Project Manager.</i> SJB Group will provide construction coordination and monitoring for the relocation of three water mains in conflict with the project alignments at three bridge locations.</p>		
04/22 – Present	<p>City-Parish Project No. 20-CP-US-0100 – MOVEBR Airline Highway, South (Parish Line to Bluebonnet Blvd). <i>SUE Department Manager/Engineer of Record.</i> SJB Group will complete ASCE 38-02 Quality Level D services for the project. There is a heavy congestion of utilities within these project limits and identification of utility owners and approximate locations is critical to the preliminary design of the project.</p>		
4/22 – 6/22	<p>St. Bernard Parish Water Treatment Plants SUE. <i>Project Manager/SUE Engineer.</i> This project involved ASCE 38-02 Quality Level B and Quality Level A services for the St. Bernard Parish Water Treatment Plant expansion. Prior to Quality Level A and B services, extensive Quality Level D records research was completed to aid in the subsequent SUE design. The plant site is heavily congested with existing utilities serving the site. Records provided were out of date and therefore the accurate location of the facilities within the expansion area was critical to avoid disruption of water service or costly relocation costs.</p>		
3/22 – 8/22	<p>D Vickers Hall Renovations and Addition. <i>SUE Engineer of Record.</i> Sub to Holly & Smith Architects. This project involved ASCE 38-02 Quality Level A and B SUE services for all utilities for the proposed D. Vickers Hall Expansion at Southeastern Louisiana University. Locations of the existing utilities are required to determine conflicts with the proposed expansion of D. Vickers Hall, new parking lot, and pedestrian path.</p>		

16. Staff Experience

	Anticipated utilities were water, gas, telephone, cable, and fiber optic. Prior to Quality Level A and B services, extensive Quality Level D records research was completed to aid in the subsequent SUE design.
1/22 – 6/22	City Parish Project No. 21-DR-LA-0095 – Dawson Creek at Hundred Oaks and Broussard Bridges. <i>SUE Engineer of Record.</i> Sub to Forte & Tablada, Inc. This project involved subsurface utility engineering and utility surveying for the proposed Dawson Creek at Hundred Oaks and Broussard Bridges. This project required ASCE 38-02 Quality Level A and B SUE services for all utilities within the project limits. The accurate location of these facilities was critical for the ultimate design of the bridge infrastructure included in this project.
11/21 – 3/22	Project No. 20-2057 – LA 30 Roundabouts Subsurface Utility Investigation (Tanger Mall and I-10). <i>SUE Engineer of Record.</i> This project involved ASCE 38-02 Quality Level A SUE and utility surveying to identify utility conflicts for all utilities owned by the City of Gonzales and the proposed LA 30 Roundabouts at Tanger Mall and I-10 in Ascension Parish. Prior to Quality Level A services, extensive Quality Level D records research was completed to aid in the subsequent SUE design. This effort required detailed record research, field investigations and data management. The accurate location of these utilities was critical to alleviate disruptions to utility services and conflicts and delays to the construction of the project in this heavily congested area.
10/21 – Ongoing	City/Parish Project No. 20-CP-HC-0044 – MovEBR Widening of Lee Drive (Highland to Perkins). <i>SUE Engineer.</i> This project involved ASCE 38-02 Quality Level C SUE services for all utilities within the project corridor as a sub-consultant. Prior to Quality Level C services, extensive Quality Level D records research was completed to aid in the subsequent SUE design. This corridor is heavily congested with utilities making the accurate location of such a critical part of the ultimate design of the project.
10/21 – Ongoing	Purpera Avenue Drainage Improvements. <i>Project Manager/SUE Engineer of Record.</i> This project involved a Topographic Survey and Subsurface Utility Engineering designating (Quality Level B) and locating services (Quality level A) in accordance with ASCE 38-02 for all utilities owned by the City of Gonzales. Prior to Quality Level A and B services, extensive Quality Level D records research was completed to aid in the subsequent SUE design. The overall efforts established an extensive topographic survey and Quality Level B map with Quality Level A information throughout the project corridor. The accurate location of these utilities was critical to allow for the proper design of the drainage system.
10/21 – 3/22	LA DOTD Project No. – I-110 North to Plank Road. <i>SUE Engineer of Record.</i> Sub to Buchart Horn. This project involved ASCE 38-02 Quality Level C and D SUE services for all utilities on this LA DOTD project in East Baton Rouge Parish. Quality Level C and D services requires extensive records research to aid in the subsequent SUE design.
8/21 – 2/22	LA DOTD Project No. H.012851 – UP RR Corridor (Plaquemine) <i>SUE Engineer of Record.</i> This project involved Quality Level B, C, and D subsurface utility engineering and utility surveying as well as a Topographic Survey for the project located in Iberville Parish along the Union Pacific Railroad Corridor between the intersection of LA 1 and Bayou Road and the intersection of Belleview Drive and Railroad Avenue.
5/21 – Ongoing	City/Parish Project No. 20-CP-HC-0034 – MovEBR Jefferson at Corporate Intersection. <i>SUE Engineer.</i> Sub to Buchart Horn. This project involved a Topographic Survey, Property Survey, Right-of-Way maps, and Quality Level C and Quality Level B SUE services for all utilities of the Jefferson Hwy and Bluebonnet intersection.

16. Staff Experience

Firm employed by		SJB GROUP, LLC <small>QUALITY BY DESIGN</small>	
Name	Austin LaCombe, PE	Years of relevant experience with this employer	1
Title	Assistant SUE Department Manager	Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization		B.S. in Civil Engineering, 2017, LSU A.S. in Pre-Engineering, 2015, BRCC	
Active registration number / state / expiration date		PE.0047563 / Louisiana / 9/30/2023	
Year registered	2023	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Traffic & Safety	
Experience dates	Experience and qualifications relevant to the proposed contract		
	<p>Assistant Subsurface Utility Engineering Department Manager. Mr. LaCombe manages and assists with managing subsurface utility engineering (SUE) projects for SJB Group. He is tasked with managing day to day operations of SUE field crews to include project research, preparation of field packages, supporting field efforts, organization and processing of field data, client coordination, and preparation/QA/QC of project deliverables. Mr. LaCombe has significant experience working on a variety of projects with diverse timelines. He is also responsible for ensuring that all safety guidelines and policies are followed and acts as a branch liaison to the corporate safety director. Mr. LaCombe is also proficient in a variety of software including: Bentley InRoads, OpenRoads, MicroStation, TopoDOT, AutoCAD Civil 3D, and Leica Cyclone.</p>		
3/22 – 8/22	<p>D Vickers Hall Renovations and Addition. <i>SUE Engineer.</i> Sub to Holly & Smith Architects. This project involved ASCE 38-02 Quality Level A and B SUE services for all utilities for the proposed D. Vickers Hall Expansion at Southeastern Louisiana University. Locations of the existing utilities are required to determine conflicts with the proposed expansion of D. Vickers Hall, new parking lot, and pedestrian path. Anticipated utilities were water, gas, telephone, cable, and fiber optic. Prior to Quality Level A and B services, extensive Quality Level D records research was completed to aid in the subsequent SUE design.</p>		
11/21 – 3/22	<p>Project No. 20-2057 – LA 30 Roundabouts Subsurface Utility Investigation (Tanger Mall and I-10). <i>SUE Engineer.</i> This project involved ASCE 38-02 Quality Level A SUE and utility surveying to identify utility conflicts for all utilities owned by the City of Gonzales and the proposed LA 30 Roundabouts at Tanger Mall and I-10 in Ascension Parish. Prior to Quality Level A services, extensive Quality Level D records research was completed to aid in the subsequent SUE design. This effort required detailed record research, field investigations and data management. The accurate location of these utilities was critical to alleviate disruptions to utility services and conflicts and delays to the construction of the project in this heavily congested area.</p>		
10/21 – Ongoing	<p>Purpera Avenue Drainage Improvements. <i>Project Manager / SUE Engineer of Record.</i> This project involved a Topographic Survey and Subsurface Utility Engineering designating (Quality Level B) and locating services (Quality level A) in accordance with ASCE 38-02 for all utilities owned by the City of Gonzales. Prior to Quality Level A and B services, extensive Quality Level D records research was completed to aid in the subsequent SUE design. The overall efforts established an extensive topographic survey and Quality Level B map with Quality Level A information throughout the project corridor. The accurate location of these utilities was critical to allow for the proper design of the drainage system.</p>		
10/21 – 2/22	<p>LA DOTD Project No. H.009266.5 – I-10: LA 73 - LA30. <i>Project Manager.</i> LA DOTD was preparing plans to widen I-10 from 4 to 6 lanes from LA 73 – to LA 30. This project involved Quality Level B SUE services at the LA73/I-10 interchange as well as Quality Level D services for the remainder of the project limits.</p>		
1/20 – 11/20	<p>LA DOTD Project No. H.002868.5 – I-49 South, Ambassador Caffery & US 90 Interchange. <i>Project Manager/QA/QC.</i> This project involved providing designating (Quality Level B) and locating (Quality Level A) SUE services to map the underground utilities within the project limits.</p>		

16. Staff Experience


	In this congested corridor, the first task required mapping subsurface utilities along several mile of the Ambassador Caffery and US 90 right-of-way. After the completion of the Quality Level B investigation, this information was compiled and reviewed to conduct Quality Level A services on critical utilities in an effort to further aid in the design process.
1/18 – 5/20	LA DOTD Project No. H.004100.5 – I-10: LA 415 to Essen Lane on I-10 and I-12. <i>Project Manager / QA/QC.</i> This project involved records research (Quality Level D) and designating (Quality Level B) SUE throughout the 10-mile project corridor were part of this project. The team developed a comprehensive map based on record collection and discussions with utility representatives. The design team used the preliminary utility map for reference to determine larger systems to avoid during preliminary design.
10/16 – 8/17	LA DOTD Project No. H.010560.5 – Essen Lane Widening (Route LA 3064), Perkins Road to I-10b. <i>Assistant Project Manager.</i> This project involved designating (Quality Level B) and locating (Quality Level A) SUE services to map the underground utilities within the project limits. This corridor is one of the most congested roads in Baton Rouge with utilities servicing business and medical facilities. All utilities inventoried were useful in helping the designer to fully understand the available space for the new construction and the impacts. Utility coordination services were provided to identify and resolve utility/design conflicts. Utility coordination was complicated due to the need to minimize right-of-way acquisition.
7/15 – 12/21	LA DOTD Project No. H.004273.5 – I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange). <i>Project Manager/QA/QC.</i> This project involved ASCE 38-02 Quality Level A and B services to map the underground utilities within the project limits spanning 7 miles of downtown Lafayette. Prior to Quality Level B activities, an extensive Quality Level D records-based map was created to aid in the preliminary design. This effort required multiple field leaders, detailed field data management, and constant oversight. After compiling the Quality Level B map, Quality Level A portion of the project was started in an effort to establish elevations on critical utility systems as well as unknown utilities found in the Quality Level B mapping. The overall efforts established an extensive Quality Level B map with Quality Level A information throughout the project corridor in combination with the Utility Coordination to keep utility owners aware of the mapping progress.

16. Staff Experience

PERSONNEL RESUMES

TRAFFIC AND SAFETY ENGINEERS


16. Staff Experience

Firm employed by		ARCADIS		Meets MPR No. 8
Name	Skyler Waaso, PE, PTOE		Years of relevant experience with this employer	3
Title	Senior Traffic Engineer		Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization			BS / 2009 / Civil Engineering, University of Louisiana at Lafayette	
Active registration number / state / expiration date			PE.0039070 / LA / Exp. 09/2024; PTOE #4600 / USA / Exp. 03/2025	
Year registered	2017	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities.			Traffic Engineering Lead	
Experience dates		Experience and qualifications relevant to the proposed contract		
		Mr. Waaso is a Senior Traffic Engineer with 9 years of experience in traffic modeling and studies. He is experienced with a range of traffic modeling software including Highway Capacity Software, Vissim (microsimulation), Synchro, Vistro, and Sidra. Mr. Waaso has experience managing and delivering a wide range of traffic projects for LADOTD, and other DOTs across the country, pertaining to intersection and corridor studies, access management studies, signal warrant studies, Stage 0 feasibility studies, NEPA studies, and safety studies. Mr. Waaso meets MPR #8 and has completed the LADOTD Traffic Engineering Process and Report Training.		
02/17 – 06/19		Pete's Highway Traffic Study and Environmental Assessment, LADOTD, Denham Springs, LA. Traffic Engineer. Responsible for traffic analysis of proposed alternatives using Vissim software. Work involves completing an Environmental Assessment and providing traffic engineering services related to improving operations and safety along Range Avenue at the I-12 interchange. Conducted signal warrant analysis and developed optimized timing plans for proposed improvements. An Interchange Modification Report was prepared to document results of the traffic study and proposed improvements.		
Section 17 Project				
02/17 – 09/18		Traffic Engineering IDIQ - US 71 Corridor - Phase III Traffic and Safety Corridor Study, LADOTD, Rapides Parish, LA. Traffic Engineer. Responsible for conducting traffic study tasks including traffic data collection, signal warrant analysis, traffic analysis, crash analysis, alternative and countermeasure development, predictive safety analysis, and conceptual drawings.		
02/17 – 02/18		Traffic Engineering IDIQ – US 165 Traffic and Corridor Study, LADOTD, Ouachita Parish, LA. Traffic Engineer. Responsible for traffic study tasks including traffic data collection and volume development, microsimulation modeling (Vissim) of existing and future conditions, developing capacity, access management and safety improvements, and study documentation.		
01/18 – 06/19		Traffic Engineering IDIQ - I-20 Mesoscopic Model and TMP Using Dynameq, LADOTD, Bossier Parish, LA. Traffic Engineer. Assisted with the development of mesoscopic traffic model using Dynameq to predict queueing, delay and alternate travel patterns due to planned construction on I-20 to replace pavement. The project is anticipated to disrupt traffic in this critical portion of I-20. The project scope includes development and calibration of mesoscopic model, analysis of alternative routes, safety analysis, operational analysis, assistance with public outreach, development of a Level 4 TMP, and development of work zone mitigation strategies.		
06/15 – 02/17		LA 59 Roundabout Corridor Traffic Study, LADOTD, St. Tammany Parish, LA. Traffic Engineer. Performed traffic analysis for a segment along the LA 59 corridor in Covington, Louisiana. Main tasks included analyzing the corridor's existing conditions and developing alternatives that would improve the safety and capacity needs of the corridor. Performed the traffic analysis in Synchro and Sidra as well as review crash reports and summary the crash history. Developed alternatives for the corridor and presented our concept to the DOTD district office and parish representatives. Completed a stamped and signed roundabout report.		
09/19 – Ongoing		Innovate Mound Project, MDOT, Macomb County, MI. Senior Traffic Engineer. Responsible for traffic engineering tasks including conducting a corridor traffic study of Mound Road from I-696 to M-59. Traffic modeling and analysis was performed to develop		

16. Staff Experience

	proposed improvements including <i>capacity, access management, safety</i> , multi-modal and <i>traffic signal improvements</i> . Developed traffic study documentation and provided <i>transportation management</i> during construction.
04/16 – 02/17	I-110 to Terrace Avenue Interchange Modification Report, LADOTD, East Baton Rouge Parish, LA. <i>Traffic Engineer</i> . Prepared an <i>Interchange Modification Report</i> for FHWA on a future connection along I-110 SB in downtown Baton Rouge. Main tasks included <i>modeling of the existing, no build, and build alternative in Vissim</i> and completing the written Interchange Modification Report that was submitted to FHWA.
02/17 – 02/18	Safety Studies IDIQ - I-49 Interchange Stage 0 Traffic and Safety Feasibility Study, LADOTD, Lafayette Parish, LA. <i>Traffic Engineer</i> . Responsible for conducting traffic study and associated tasks including <i>data collection and analysis, traffic and safety analysis, and conceptual design drawings</i> . Purpose of the project was to identify <i>feasible improvement alternatives</i> to address historical safety issues along the I-49 corridor and at 3 interchanges. Participated with meetings with LADOTD HQ and District 03 team members to understand project needs and develop <i>context sensitive solutions</i> .
04/19 – 06/19	Traffic Signal Design IDIQ - US 90 Traffic Signal Timing Upgrades/LADOTD, Lafayette Parish, LA. <i>Traffic Engineer</i> . Project tasks involved <i>traffic data collection</i> and analysis, <i>traffic signal inventory</i> , peak period determination and observations, <i>warrant analysis</i> , travel time runs, <i>traffic signal timing analysis</i> using Synchro 10 software, and development of updated TSI forms following latest LADOTD standards
02/20 – Present	U-23 Flex Route Traffic Study, MDOT, Livingston County, MI. <i>Senior Traffic Engineer</i> . Responsible for <i>traffic modeling and alternative analysis</i> for US-23 between M-36 and I-96. Work includes analysis of build alternatives, including developing and <i>calibrating existing Vissim models</i> to FHWA/MDOT standards and using the models to compare the <i>projected future traffic operations of build alternatives</i> , including the extension of the existing US-23 Flex Route north of I-96. The US-23 Flex Route is a part-time dynamic hard shoulder use facility north of Ann Arbor. This study will evaluate if and how the Flex Route can be extended approximately five miles from 8 Mile Road to I-96. The study will include <i>conducting traffic and geometric analyses</i> , road and bridge scoping, conducting environmental surveys with appropriate reports and preparing National Environmental Policy Act (NEPA) documentation. The study will include traffic, road, bridge, ITS components, <i>safety</i> and drainage. There is also a public engagement aspect to the project that will involve two stakeholder meetings and two public meetings.
07/19 – Ongoing	I-375 Corridor Improvements, MDOT, Detroit, MI. <i>Senior Traffic Engineer</i> . Responsible for the operational analysis of build alternatives and competing the <i>Interchange Access Change Request (IACR) document</i> . The build alternatives <i>modeled in Vissim</i> converted an urban freeway into an urban boulevard. The build alternative also included a new <i>traffic forecasting methodology</i> , which was developed by working with SEMCOG and their <i>dynamic traffic assignment</i> model to consider potential traffic impacts outside of the study area using <i>Synchro and HCS</i> . HNTB is providing owner's representative services to MDOT. The project will promote and support walkability, increase transit access, and improve non-motorized connections and urban-friendly linkages between businesses, cultural, entertainment destinations, and neighborhoods. HNTB's scope of services include environmental clearance, early preliminary engineering, project management, project controls, federal compliance, public involvement, procurement, oversight of design, and construction inspection services.

16. Staff Experience

Firm employed by		ARCADIS		Meets MPR No. 8	
Name	Kester Hollier, PE, PTOE		Years of relevant experience with this employer	1	
Title	Senior Traffic Engineer		Years of relevant experience with other employer(s)	16	
Degree(s) / Years / Specialization			BS / 2004 / Civil Engineering, Louisiana Tech University		
Active registration number / state / expiration date			PE.034304 / LA / Exp. 03/31/2025; PTOE #3928 / USA / Exp. 11/2024		
Year registered	2009	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities.			Traffic Engineering		
Experience dates		Experience and qualifications relevant to the proposed contract			
		<p>Mr. Hollier possesses a wide breadth of experience in the field of transportation engineering including feasibility studies, traffic engineering, signal timing and design, roadway design, complete street improvement projects, roadway safety analysis and design, and construction management and inspection. Working on a wide variety of projects from the planning and conceptual phases to the design and construction phases, has given him the experience to help identify the needs and requirements for projects. This experience allows him to understand stakeholders ranging from local public agencies to state DOTs and helps provide expertise in achieving successful solutions for a variety of projects. Mr. Hollier meets MPR #8 and has completed LADOTD Traffic Engineering Process and Report Training.</p>			
05/14 – 08/20		<p>Causeway Blvd. at Earhart Expwy. Interchange, LADOTD, Jefferson Parish, LA. Traffic/Civil Engineer. Responsible for the design of traffic control and construction sequencing, pavement marking layout, quantity analysis, cost estimates, and quality control for a new interchange at LA 3139 (Earhart Expwy.) and LA 3046 (Causeway Blvd.) in Jefferson Parish, LA. Provided review for the interchange traffic sign and traffic signal timings and design. Identified all necessary design waivers and design exceptions required for LADOTD approval. Provided geometric layout design, typical section design and review, and joint layout design for several interchange ramps and underpasses.</p>			
09/12 – 02/16		<p>Stage 0 Feasibility Study and Stage 1 EA for Replacing Belle Chasse Tunnel and Bridge, LADOTD, Plaquemines Parish, LA. Traffic Engineer. Responsible for the feasibility study and traffic analysis along LA 23 (Belle Chasse Highway) between LA 428 (Behrman Highway) and LA 406 (Woodland Highway) for multiple 6-lane bridge alternatives proposed to replace the existing Belle Chasse Tunnel and lift bridge over the Intercoastal Waterway. These alternatives included 3%, 4%, and 5% bridge grades that modified roadway geometry and intersection location. Responsible for the review of roadway design and costs for the Line and Grade Study along with the review of the construction sequencing and traffic maintenance of the constructability review.</p>			
11/20 – Ongoing		<p>I-10 CMAR, LADOTD, East Baton Rouge Parish, LA. Project Manager. Responsible for traffic engineering tasks including development of permanent signing plans, traffic signal plans, interchange modification reports, and transportation management plans for the widening of I-10 from LA 415 to Essen Lane and improvements to interchanges along this segment. Extensive historical crash and safety analysis is being performed in support of the IMR and TMP. One critical component of the project is maintaining traffic during the construction of new bridge structures. Multiple scenarios are being evaluated using a calibrated mesoscopic model to determine the impacts during construction and mitigations that will be necessary to minimize delay.</p>			

16. Staff Experience

06/13– 04/14	US 190 Stage 0 Feasibility Study, LADOTD, St. Tammany, LA. <i>Traffic Engineer.</i> Responsible for roundabout geometric design and pedestrian and bike path design along the US 190 corridor in the City of Slidell and St. Tammany Parish to improve safety for motorized and non-motorized roadway users.
11/17 – 07/20	LA 466 (5th Street) Improvements Traffic Study, City of Gretna, Jefferson Parish, LA. <i>Project Manager / Traffic Engineer.</i> Responsible for the <i>traffic study and impacts</i> for the proposed complete streets improvements along the LA 466 corridor between LA 23 and Richard St. in Gretna, Louisiana. Tasks included data collection along the corridor and at designated intersections, <i>safety and crash analysis</i> along the corridor, trip generation/land use and performing existing traffic analysis and future traffic analysis for proposed final alternative. The traffic study was prepared to follow the LADOTD Traffic Engineering Process and Report Guidelines. The project also included a stand-alone pedestrian study along the corridor at designated intersection and the design of accessible pedestrian signals at signalized intersections.
12/17 – 11/19	Causeway Boulevard Widening Traffic Study, Jefferson Parish, LA. <i>Project Manager / Traffic Engineer.</i> Responsible for the <i>traffic and safety study</i> for the proposed widening of Causeway Boulevard between Metairie Rd. and West Esplanade Blvd. in Jefferson Parish, LA. Tasks included data collection, traffic volume redistribution, left-turn placement and turn bay storage length, and existing traffic analysis and future traffic analysis of a preferred alternative.
10/18 – 01/19	LA 22 Traffic Circulation and Corridor Analysis, NORPC, St. Tammany Parish, LA. <i>Traffic Engineer.</i> Responsible for the development of three alternatives along Northshore Boulevard between I-12 and US 190 in Slidell, LA. Managed the data collection process and peak period observations to determine existing traffic patterns, as well as the <i>safety analysis</i> along the corridor. Developed three alternatives that used a combination of traffic signal retiming, J-turns, and roundabouts to provide better <i>access management</i> along Northshore Boulevard as well as improve traffic flow in the corridor for current and proposed future conditions with consideration given to proposed future developments using trip generation and land use analysis.
01/10 – 04/11, 07/13 – 01/14	Stumberg Lane Extension, City of Baton Rouge Green Light Plan, East Baton Rouge Parish, LA. <i>Traffic Engineer.</i> Responsible for the design of new traffic signals at US 61 (Airline Highway) and LA 73 (Jefferson Highway) for the extension of Stumberg Lane in Baton Rouge, LA. Also responsible for the design and layout of the fiber optic interconnect along the proposed extension.
05/09 – 07/13	LA 23 Widening (Lapalco Blvd. – Engineers Rd.), LADOTD, Jefferson and Plaquemines Parishes, LA. <i>Traffic/Civil Engineer.</i> Responsible for the <i>roadway design and geometrics</i> for the widening of LA 23 in Jefferson and Plaquemines Parishes between Lapalco Blvd. (LA 428) and Engineers Rd. (LA 3017). Developed <i>traffic analysis</i> for the traffic signal timing and required turn bay lengths at intersections. Developed traffic signing plans, pavement marking layouts and temporary traffic control plans.
10/10 – 7/15	Barriere Road Feasibility Study/Traffic Study, US Department of Defense, Plaquemines Parish, LA. <i>Civil/Traffic Engineer.</i> Responsible for the geometric layout and design of the realignment alternatives of Barriere Rd. between LA 23 to the US Naval Air Station. Developed and reviewed <i>traffic analysis</i> for arrival and departure patterns for the South US Naval Air Station entrance gates.



16. Staff Experience

Firm employed by		ARCADIS		Meets MPR No. 8	
Name	Ari Deitch, PE, PTOE, PTP, RSP		Years of relevant experience with this employer	9	
Title	Senior Traffic Engineer		Years of relevant experience with other employer(s)	2	
Degree(s) / Years / Specialization			BS / 2012 / Biological Engineering, Louisiana State University		
Active registration number / state / expiration date			PE.0041842 / LA / Exp. 03/2024; PTOE #4346 / USA / Exp. 11/2023 PTP #690 / USA / Exp. 07/2025; RSP #37 / USA / Exp. 12/2024		
Year registered	2017	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities.			Traffic Engineering, Complete Streets / Multimodal		
Experience dates		Experience and qualifications relevant to the proposed contract			
		<p>Mr. Deitch is a <u>Senior Traffic Engineer</u> specializing in traffic engineering and design, safety, transportation management, and conceptual roadway design. Mr. Deitch has experience managing and working on projects for LADOTD and the City of Baton Rouge, as well as other DOTs across the country, pertaining to <u>NEPA studies</u>, <u>interchange modification / justification reports</u>, Stage 0 feasibility studies, transportation management plans, traffic, and safety studies pedestrian and bicycle improvements, access management, signal design, and signing and marking design. He has experience and proficiency in IHSDM, SYNCHRO, VISTRO, VISSIM, SIDRA, GuidSIGN, HCS and MicroStation software. <u>Mr. Deitch has completed LADOTD Traffic Engineering Process and Report Training.</u></p>			
07/14 – Ongoing *Section 17 Project*		<p>Pete's Highway Traffic Study and Environmental Assessment, LADOTD, Denham Springs, LA. Traffic Engineer. Responsible for <i>traffic analysis</i> of proposed alternatives using Vissim software. Played a key role in the development of preliminary roadway design drawings incorporate <i>Complete Streets</i>. Work involved completing an <i>Environmental Assessment</i> and providing traffic engineering services related to improving operations and safety along Range Avenue at the I-12 interchange. Developed an <i>Interchange Modification Report</i> including traffic study results and responses to <i>FHWA Policy Points</i>.</p>			
04/22 – Ongoing		<p>LA 30 (I-10 to EBR Parish Line) Environmental Assessment, LADOTD, Ascension Parish, LA. Senior Traffic Engineer. Responsible for technical advisory of <i>traffic engineering</i> tasks including traffic data collection, peak period observations, volume projections and Highway Capacity Analysis (multi-period analysis using Highway Capacity Software) and ensuring <i>conformance with LADOTD TEPR Requirements</i>.</p>			
03/17 – Ongoing		<p>I-49 Supplemental Environmental Impact Statement, LADOTD, St. Mary Parish, LA. Senior Traffic Engineer. Responsible for <i>traffic engineering</i> tasks including data collection, volume development, Vissim microsimulation model calibration, and alternative development and analysis. The purpose of the project is to conduct a <i>Supplemental Environmental Impact Statement (SEIS)</i> study to quantify the impacts of converting US-90, which has numerous existing access connections, to a control of access interstate (future I-49) facility. Because the study area is not included within an MPO area, Arcadis <i>developed a unique volume development methodology</i> to estimate the redistribution of traffic that would result from the conversion of US-90 to I-49.</p>			
05/19 – 11/22		<p>I-20 / I-220 Interchange Imp. and BAFB Access TMP and IMR, LADOTD, Bossier Parish, LA. Traffic Engineer. Responsible for development of addendum to <i>Interchange Modification Report</i>, Transportation Management Plan, Temporary Traffic Control Plans, and Permanent Signing Plans to accommodate the design and construction of the project. The design-build project includes the modification of the existing interchange at I-20 / I-220 with additional ramps and extension of I-220 to provide access to Barksdale Air Force Base.</p>			

16. Staff Experience

04/16 – 09/18	New Orleans Pedestrian Stage 0 Safety Feasibility Study, LADOTD, Orleans Parish, LA. <i>Project Manager.</i> Responsible for assessing existing and future safety deficiencies related to <i>pedestrian and bicycle modes</i> and <i>selecting safety countermeasures for 20 high-risk locations</i> . Developed design drawings for proposed short-term and long-term improvement phases and conducted <i>benefit-cost analysis</i> to inform project prioritization. Conducted safety analysis using <i>Highway Safety Manual predictive methods</i> . Organized and lead project stakeholder meetings to review alternatives, obtain feedback, and develop <i>context sensitive solutions</i> . Completed Stage 0 documentation including Preliminary Scope and Budget and Environmental Checklists for all 20 intersections.
08/14 – 10/18	US 71 Corridor Traffic and Safety Study – Phase 1-3, LADOTD, Rapides Parish, LA. <i>Traffic Engineer.</i> Responsible for providing <i>traffic data collection</i> , warrant studies, <i>traffic analysis</i> , safety data analysis, and development of conceptual layouts. Data collection effort included automated one-week counts, manual turning movement counts and spot speed studies. Collected crash data for the most recent three years from LADOTD crash database, analysed crash summaries and identified historical high-crash locations and over-representative crashes, determined crash types, frequencies and crash rates, reviewed individual crash reports to determine type and location of each crash, identified crash “hot-spot” locations, contributing factors for high-crash rates, and <i>determined potential improvements</i> .
11/20 – Ongoing	I-10 CMAR, LADOTD East Baton Rouge Parish, LA. <i>Traffic Engineer.</i> Responsible for wide range of <i>traffic engineering</i> tasks including development of permanent signing plans, <i>Interchange Modification Reports</i> , and Transportation Management Plans for the widening of I-10 from LA 415 to Essen Lane and improvements to interchanges along this segment.
10/19 – Ongoing	I-10 New Orleans to Slidell Hard Shoulder Running, LADOTD, Orleans Parish, LA. <i>Traffic Engineer.</i> Responsible for the development of conceptual drawings and typical sections for proposed Hard Shoulder Running (HSR) alternatives on I-10 between New Orleans and Slidell. Purpose of the project is to evaluate the feasibility of implementing HSR lanes along I-10 to alleviate existing bottlenecks and congestion along critical segments of the corridor.
08/19 – 02/20	Traffic Engineering IDIQ - US 61 Access Management and Corridor Study, LADOTD, East Baton Rouge Parish, LA. <i>Senior Traffic Engineer.</i> Project purpose was to evaluate the effectiveness of proposed access management improvements along US 61 and <i>identify feasible alternatives</i> to maximize operational and safety benefits. Provided technical oversight for <i>traffic analysis</i> using Highway Capacity Software 7, <i>signal warrant analysis</i> , and <i>predictive safety analysis</i> . Assisted with the development of construction cost estimates and benefit-cost analysis.
02/15-01/18	Traffic Engineering IDIQ - LA 3105 (Green Acres to LA 72) Corridor Study, LADOTD, Bossier Parish, LA. <i>Traffic Engineer.</i> Responsible for development/evaluation of existing and future year conditions using a <i>calibrated microsimulation model (Vissim)</i> . Designed alternatives for phased implementation based on identified needs and input from local stakeholders including medians, restricted intersections, roundabouts, roadway widening, and <i>signal timing enhancements</i> .
08/14 – 06/15	LA 3235 Stage 0 Feasibility Study, LADOTD, Lafourche Parish, LA. <i>Traffic Engineer.</i> Responsible for review of existing <i>crash data and traffic operations analysis</i> , development of safety countermeasures, conceptual drawings, and Stage 0 documentation. LADOTD Stage 0 Safety Study to develop access management strategies and roadway improvements that will maintain and improve mobility, improve safety, support existing and future development along the LA 3235 corridor. The LA 3235 corridor was initially constructed as a high-speed roadway to facilitate truck traffic to and from Port Fourchon. Since its construction, numerous commercial and residential developments have created unsafe conditions along the corridor.



16. Staff Experience

Firm employed by			
Name	Sridhar Basetty, PE, PTOE, PTP	Years of relevant experience with this employer	15
Title	Senior Traffic Engineer	Years of relevant experience with other employer(s)	4
Degree(s) / Years / Specialization		MS / 2004 / Transportation Engineering BS / 2002 / Civil Engineering	
Active registration number / state / expiration date		PE.0038950 / LA / 09/2024; PTOE #3682 / USA / 12/2023; PTP #526 / US / 07/2025	
Year registered	2015	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Safety Analysis	
Experience dates		Experience and qualifications relevant to the proposed contract	
		<p>Mr. Basetty is a Senior Traffic Engineer with experience in a wide range of traffic engineering applications including <u>traffic modeling and analysis</u>, <u>intersection and corridor studies</u>, <u>signal warrant analysis</u>, signal design, and signing design. His project experience includes stage 0 feasibility studies, freeway and arterial corridor studies, IMR and IJR studies, transportation management plans, environmental assessments and traffic impact studies. He is <u>highly proficient with traffic modeling and analysis tools</u> that include Highway Capacity Software, Synchro / SimTraffic, TRANSYT 7F, CORSIM, Vissim, Sidra, Visum, CUBE, and TransCAD. Mr. Basetty has completed LADOTD Traffic Engineering Process and Report Training.</p>	
01/14 – 09/18		<p>Traffic Engineering IDIQ - US 71 Corridor Traffic Study - Phases 1-3, LADOTD, Rapides Parish, LA. Senior Traffic Engineer. Preparation of a traffic studies for the purpose of enhancing mobility and safety. Main tasks include <i>traffic data collection</i>, <i>signal warrant studies</i>, <i>traffic analysis</i>, safety data analysis, and development of conceptual layouts. Data collection efforts include automated one-week counts, manual turning movement counts, intersection approach counts, travel time runs, and spot speed studies. Responsibilities include conducting <i>signal timing optimization</i>, signal warrant analysis at all major intersections and developing a preliminary <i>cost estimate and conceptual layout drawings</i> of alternatives including U-turns, J-turns, restricted turns, one-way frontage roads, slip ramps, and service road islands (right-out only). Responsibilities also include developing <i>Vissim model animations</i> of the proposed alternatives for high- and low-volume scenarios.</p>	
02/15 – 01/18		<p>Traffic Engineering IDIQ - LA 3105 (Green Acres to LA 72) Corridor Traffic Study, LADOTD, Bossier Parish, LA. Senior Traffic Engineer. Responsible for overseeing the development/evaluation of existing and future year conditions using a <i>calibrated Vissim model</i>. Designed alternatives for phased implementation based on identified needs and input from local stakeholders including medians, restricted intersections, roundabouts, roadway widening, and <i>signal timing enhancements</i>. Responsible for development and quality control of all project deliverables including <i>traffic modeling</i>, public involvement, and <i>traffic study documentation</i>.</p>	
02/15 – 11/17		<p>Traffic Engineering IDIQ - Intersection Feasibility Study, Evangeline Thwy, Johnston St, & Louisiana Ave, LADOTD, Lafayette Parish, LA. Senior Traffic Engineer. Responsible for overseeing all scope elements including <i>data collection</i>, development of <i>calibrated Vissim model</i>, development of <i>operational and safety improvements</i>, <i>signal warrant analysis</i>, and study documentation. Proposed improvements included a continuous flow intersection alternative and restricted intersection alternatives. A <i>Vissim animation</i> was created to demonstration the operational characteristics of proposed alternatives.</p>	

16. Staff Experience

01/14 – Ongoing *Section 17 Project*	Pete's Highway Traffic Study and EA, LADOTD, Livingston Parish, LA. Senior Traffic Engineer. Traffic study preparation to analyze three Stage 0 build alternatives to relieve traffic congestion and improve traffic operations on LA 3002 (S. Range Avenue) and its intersections in the vicinity of the I-12 interchange. Responsibilities include performing a <i>traffic study</i> based on LADOTD microsimulation guidelines and FHWA Traffic Analysis Toolbox Volume III guidelines. Main tasks include <i>traffic data collection, Vissim model calibration and simulation</i> , alternative traffic analysis, technical documentation, <i>signal timing, signal warrant analysis</i> , conceptual layouts development, preliminary cost estimates, and public outreach.
03/17 – Ongoing *Section 17 Project*	I-49 South (Ricohoc to Berwick) Supplemental Environmental Impact Statement (SEIS), LADOTD, St. Mary Parish, LA. Senior Traffic Engineer. Responsible for overseeing traffic engineering components of the supplemental environmental impacts statement. Study elements include <i>data collection, microsimulation model development and calibration, travel forecasting</i> memorandum, evaluation of interchange locations and types to support the conversion of US 90 to Interstate-49.
11/14 – 10/15	Safety Studies IDIQ - LA 44 and Loosemore Road Roundabout Safety Study, LADOTD, Ascension Parish, LA. Senior Traffic Engineer. Responsible for coordination between the Concept Design Team and Lead Engineers at LADOTD; preparation of final documents to be delivered to LADOTD at the end of the project. The project intersection was an unsignalized intersection located south of Gonzales, Louisiana. The purpose of the study was to investigate the viability of converting this intersection into a roundabout based on right-of-way limitations. The intersection is situated between several utility pipelines that potentially present construction problems with a roundabout design. Three different roundabout alternatives were evaluated - roundabout at current location, roundabout south of intersection, and dual roundabouts.
12/13 – 05/15	Safety Studies IDIQ - Joe Sevario/Roddy Road Roundabouts Stage 0 Safety Study, LADOTD, Ascension Parish, LA. Senior Traffic Engineer. Responsible for project management, public outreach and stakeholder interaction, review of <i>traffic and safety analysis</i> , conceptual layout development, and <i>Stage 0 documentation</i> . Study to <i>address the safety needs along the corridor</i> and evaluate the feasibility of roundabouts at various intersections between US 61 and LA 42. The corridor accommodates both local residential traffic and regional traffic due to the presence of intersecting state routes. In addition, presence of narrow, higher speeds side-streets introduced an additional factor influencing safety along the corridor. Arcadis' evaluation methodology ensured that all project-related safety issues were identified and appropriate mitigation measures in the form of roundabout and/or lane treatments were proposed to address anticipated issues.
10/15 – 06/19	US90 Business Signing Upgrades, LADOTD, Orleans and Jefferson Parish, LA. Engineer of Record. Responsible for development of <i>transportation management plans and permanent signing plans</i> for segments of US 90 Business and I-10 through New Orleans' Central Business District and surrounding areas. The project replaced all standard and overhead signing within the project limits. Project scope included inventory of existing signs, development of proposed sign layouts, structural details development, and production of 4 construction plan sets for distinct segments of the project limits.

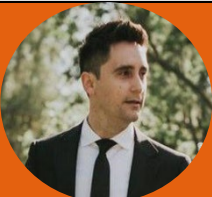
16. Staff Experience

Firm employed by			
Name	Thomas Montz, PE	Years of relevant experience with this employer	9
Title	Senior Transportation Engineer	Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization		MS / 2011 / Civil Engineering, Louisiana State University BS / 2009 / Civil Engineering, Louisiana State University	
Active registration number / state / expiration date		PE.0039128 / LA / Exp. 09/30/2024	
Year registered	2014	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Traffic Engineering	
Experience dates		Experience and qualifications relevant to the proposed contract	
		<p>Mr. Montz is a Project Manager and Senior Transportation Engineer specializing in transportation planning / feasibility, modeling, safety, and design. He has over 12 years of experience leading a multitude of planning and engineering projects including Stage 0 feasibility studies, safety studies, NEPA studies, traffic signal timing and design, and transportation management during construction. He specializes in traffic analysis and operations including signal timing, signal design, ITS design, HCM analysis, and microsimulation analysis. Mr. Montz has completed LADOTD Traffic Engineering Process and Report Training.</p>	
04/16 – Ongoing <i>*Section 17 Project*</i>		Pete's Highway Interchange Alternatives and Environmental Assessment, LADOTD, Denham Springs, LA. Traffic Engineer. Responsible for assisting with <i>traffic signal timing analysis tasks</i> including volume development / projections, origin-destination study, VISSIM model development and calibration, and noise analysis. Work involves completing an <i>Environmental Assessment</i> and providing traffic engineering services related to improving operations and safety along Range Avenue at the I-12 interchange.	
04/13 – Ongoing <i>*Section 17 Project*</i>		US 11 Environmental Assessment, LADOTD, St. Tammany Parish, LA. Traffic Engineer. Responsible for crash analysis, operating speed tabulations, intersection and corridor analysis, <i>alternative development</i> , and noise modeling for the proposed widening of US 11 between US 190 (Gause Blvd) and I-12 in Slidell, LA. The proposed improvements include replacing a bridge crossing the Norfolk Southern Railroad. This project includes analyzing several innovative alternatives for the proposed corridor, including “superstreets” and J-turn concepts.	
04/19 – 12/19		US 90 Traffic Signal Timing Upgrades/LADOTD, Lafayette Parish, LA. Technical Lead of project tasks involving <i>traffic data collection and analysis</i> , signal inventory, peak period determination and observations, warrant analysis, travel time runs, traffic signal timing analysis using Synchro 10 software, and development of updated TSI forms following latest LADOTD standards	
02/15 – 08/17		US 71 Corridor - Phase II Stage 0 Feasibility Study, LADOTD; Rapides Parish, LA. Project Manager. Responsible for the preparation of a corridor feasibility study for the purpose of enhancing mobility and safety on US 71 in Alexandria, LA. Main tasks included traffic data collection, signal warrant studies, traffic analysis, safety data analysis, <i>alternative development</i> , and <i>public/stakeholder involvement</i> . Completed Stage 0 documentation including Preliminary Scope and Budget and Environmental Checklists.	

16. Staff Experience

04/16 – 09/18	New Orleans Pedestrian Stage 0 Safety Feasibility Study, LADOTD, Orleans Parish, LA. <i>Traffic Engineer.</i> Responsible for traffic data collection, volume development, traffic analysis, and alternative screening. Purpose of the project was to identify safety improvement alternatives at 20 high-priority intersections in New Orleans with a history of pedestrian and bicycle safety issues. Assisted with the development of safety countermeasures for short-term and long-term alternatives. Assisted with the completion of Stage 0 documentation including Preliminary Scope and Budget and Environmental Checklists.
04/16 – 10/19	I-12 Hard Shoulder Running Feasibility Study and Preliminary Design, LADOTD, East Baton Rouge and Livingston Parishes, LA. <i>Traffic Engineer.</i> Conducted <i>traffic analysis</i> using a calibrated microsimulation model to evaluate the operational performance of HSR and HOV lane alternatives along I-12 between the I-10/I-12 split and Walker, LA. Developed a range of alternatives and made recommendations based on the alternatives that produced the greatest operational benefits and relieved major bottlenecks. Presented results to LADOTD project team and administration to inform the decision-making process and subsequent project stages.
02/18 – 06/21	Baton Rouge Pedestrian and Bicycle Safety Action Plan and Road Safety Assessments LADOTD, East Baton Rouge Parish, LA. <i>Traffic Engineer.</i> Responsible for assessing existing and future safety deficiencies related to pedestrian and bicycle modes at identified high-risk intersections and segments in East Baton Rouge Parish. Assisted with the development of screening criteria to identify high priority locations with a history of pedestrian and/or bicycle crashes.
12/13 – 05/15	Joe Sevario / Roddy Road Stage 0 Safety Feasibility Study, LADOTD, Ascension Parish, LA. <i>Traffic Engineer.</i> Evaluation of roundabouts at 10 stop-controlled intersections along Joe Sevario / Roddy Road, from US 61 to LA 42, a length of approximately 7.2 miles. Main tasks included <i>traffic data collection</i> , traffic signal warrants, crash analysis, capacity analysis, <i>safety analysis</i> , review of existing pipelines and other municipal <i>utilities</i> , <i>alternatives analysis</i> , <i>design development</i> , and <i>cost estimates</i> .
11/12 – 4/13	LA 594 (Millhaven Rd.) Stage 0 Feasibility Study and Preliminary Design, I-20 Economic Development Corporation, Ouachita Parish, LA. <i>Traffic Engineer.</i> Responsible for <i>traffic data collection and traffic and safety analysis tasks</i> . The project proposed roadway improvements to maintain operations and safety along Millhaven Road while accommodating projected increases in traffic demand and commercial development.
12/13 – 06/15	LA 3235 Stage 0 Safety Feasibility Study, LADOTD, Lafourche Parish, LA. <i>Traffic Engineer.</i> Responsible for traffic and safety analysis as part of the Stage 0 feasibility study to develop improvement alternatives with the goal of enhancing mobility and safety on LA 3235. Main tasks included traffic data collection, signal warrant studies, <i>traffic analysis</i> , <i>safety analysis</i> , development of conceptual layouts, and <i>public outreach</i> . Intersections found to warrant signalization were also modeled in unconventional designs including U-turns, J-turns, and RCUTs. Purpose of the project was to address historical safety issues along the corridor resulting from high speeds and conflict points. Assisted with the completion of Stage 0 documentation including Preliminary Scope and Budget and Environmental Checklists.
11/20 – Ongoing	I-10 CMAR, LADOTD, East Baton Rouge Parish, LA / H.001400. <i>Traffic Engineer.</i> Responsible for construction phasing modeling and evaluation to determine the impacts of various construction phasing scenarios and mitigation that will be required to minimize travel delays during construction. Construction phasing scenarios are being modeled using a calibrated mesoscopic model developed by Arcadis, which can estimate the effects of construction activities on the broader roadway network. Model results are being used to inform the Transportation Management Plan for the project.


16. Staff Experience

Firm employed by		ARCADIS	
Name	Jose M. Rodriguez, RSP	Years of relevant experience with this employer	4
Title	Safety Analyst	Years of relevant experience with other employer(s)	4
Degree(s) / Years / Specialization		MS / 2014 / Civil Engineering, LSU BS / 2006 / Civil Engineering, Julio Garavito Colombian Engineering School	
Active registration number / state / expiration date		RSP # 12 / USA / Exp. 12/2025	
Year registered	2019	Discipline	Road Safety Professional
Contract role(s) / brief description of responsibilities.		Safety Analysis	
Experience dates		Experience and qualifications relevant to the proposed contract	
		<p>Mr. Rodriguez's experience includes safety & traffic analysis for corridor feasibility studies on major highways and interstates, as well as intersection feasibility studies including pedestrian and bicycle considerations. Mr. Rodriguez has extensive experience in crash analysis and highway safety analysis using the Highway Safety Manual, Crash Modification Factors, and Safety Performance Functions for local and nonlocal conditions. He has summarized crash and safety analysis results in dynamic web dashboards using the latest data visualization technology, including Power BI.</p>	
02/17 – 08/17	<p>LADOTD, LA 157 (US 80 to South of LA 614) Study, Bossier City, Louisiana. <i>Traffic and Safety Analyst</i>. Performed benefit-cost analysis including both operations and safety. A traffic study to evaluate existing, no-build and proposed build alternatives for LA 157 (Booker Rd. to south of LA 614) for intermittent (five year) and 20-year plan using VISSIM and Synchro.</p>		
08/14 – 02/17	<p>LADOTD, Traffic Engineering Retainer - US 71 Corridor Traffic & Safety Study - Phase 1, Rapides Parish, Louisiana. <i>Safety Analyst</i>. Assisted in the prediction of future safety performance along the corridor. Responsible for development of conceptual design of intersection and corridor build alternatives. Specific duties included determining applicability of various intersection and corridor mitigation, ensuring design features accommodate roadway attributes, and identifying extent of ROW impacts.</p>		
02/17 – 02/18	<p>LADOTD, I-49 Interchange Safety Improvement Studies, Lafayette Parish, Louisiana. <i>Safety Analyst</i>. Responsible for the collection and evaluation of historical crash data, screening and selection of available safety improvement strategies that typically include alternative intersection configuration, roundabouts, corridor geometry and lane configuration, and driver awareness improvements. Safety analysis using HSM, IHSDM. Conceptual design of corridor/intersection safety improvements.</p>		
04/16 – 06/18	<p>LADOTD, Pete's Highway Interchange EA/IMR, Denham Springs, Louisiana. <i>Traffic and Safety Analyst</i>. Responsible for methodology development and overview of traffic analyses for a high-priority project. Work involves completing an EA and providing traffic engineering services related to improving congestion and operations along Range Avenue at the I-12 interchange. Design alternatives included two split diamond interchange options with roundabout, cloverleaves, and collector distributor road components at both Range Avenue and the next existing, eastern overpass at Pete's Highway (LA 16); and a diverging diamond interchange alternative at Range Avenue.</p> <p>*Section 17 Project*</p>		
04/16 – Ongoing	<p>LADOTD, 1-12 Hard Shoulder Running (HSR) Safety Study - Safety Studies Retainer, East Baton Rouge, Livingston Parishes, Louisiana. <i>Safety Analyst</i>. Reviewed and summarized the current best practices and safety research information on hard shoulder running experience in the U.S and Europe. Research included shoulder/median width and impacts to safety,</p>		


16. Staff Experience

	desirable lengths for effective hard shoulder running, and CMFs to predict impacts to safety by reducing lane and/or shoulder widths. Produce a high-level technical memorandum that will assess various options of utilizing existing I-12 shoulders, researching the best practices, analyzing the safety and operational benefits, and determining the likely costs. Evaluated safety based on crash analysis, the HSM predictive methods and the ISATe tool for Freeways. Estimated costs and benefits of operational and safety analysis for proposed alternatives.
04/15 – 09/18	LADOTD, New Orleans Pedestrian Stage 0 Safety Feasibility Study, Orleans Parish, Louisiana. <i>Safety Traffic Analyst.</i> Safety analyses performed utilizing the Highway Safety Manual 2010 guidelines and Crash Modification Factors (CMFs) from other sources. Analyses include developing two build alternatives that address safety and operational issues at each intersection for all road users and developing a Stage "0" Checklist.
05/18 – Ongoing	LADOTD, Baton Rouge Pedestrian Bicycle Safety Action Plan, Baton Rouge, Louisiana. <i>Safety Analyst.</i> Supported the development and delivery of a Pedestrian and Bicycle Safety Action Plan for the City of Baton Rouge. Responsibilities include completing a review of crash data, identification of priority locations, and creation of targeted countermeasures based on roadway type. Responsible for reviewing the crash data in both GIS and PowerBI to identify 10 focus areas/locations with the greatest need for pedestrian/bicycle safety improvement. The second phase of the project will develop detailed studies at the top 10 identified locations for safety countermeasures such as low-cost pedestrian and bicycle facility improvements.
2019 – Ongoing	ODOT, District 8 Systemic Safety Project, Pedestrians, Columbus, Ohio. <i>Safety Analysts.</i> Responsible for the review of data, including crash, roadway inventory, and demographics. The project required the development of a PowerBI dashboard and use of GIS analytics to review crash data to identify over-represented metrics to locate crash occurrences and areas where crashes may not be occurring, but have similar environmental characteristics (i.e., speed limit, lane width, driver or pedestrian age, presence of zero vehicle households, etc.). This will allow the project team to not only develop engineering solutions, but also target areas for enhanced education and enforcement.
08/18 – Ongoing	ODOT, Local Road Systemic Safety Task Order Contract, Statewide. <i>Safety Analyst.</i> Assisted with four concurrent task orders to perform data driven systemic safety analysis for ODOT's current SHP initiative to promote regional safety through systemic safety analysis. Each task order includes data collection/conflation/QAQC, database management, data evaluation, examining crash history, developing crash trees, identifying focus facilities, identifying risk factors, identifying segments of the network that may be at risk for crashes, identifying and prioritizing safety improvements, and developing online web applications to clearly convey results to stakeholders using ESRI ArcMap and Microsoft PowerBI.
01/20 – Ongoing	ODOT, Local Road Safety Plan Task Order Contract, Statewide. <i>Subconsultant Safety Analyst.</i> Assisting in the development and testing of ODOT's new SPAM Tool and completing a Local Road Safety Plan for the OMEGA MPO in east central Ohio. The SPAM Tool which is a VBA macro-enabled Microsoft Excel workbook that will use the same data import format as ODOT's Crash Analysis Module (CAM) Tool and process crashes for given areas selected by users in the current ODOT Traffic Information Mapping System (TIMS) interface. The OMEGA LRSP includes testing the SPAM Tool and leading stakeholder engagement to develop a regional local road safety plan and 8 counties specific LRSPs.

16. Staff Experience

Firm employed by		ARCADIS	
Name	Max Aguirre, PhD, PE, RSP	Years of relevant experience with this employer	3
Title	Traffic and Safety Engineer	Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization		PhD / 2018 / Engineering Science, LSU; MS / 2015 / Construction Management, LSU; BS / 2013 / Civil Engineering, LSU	
Active registration number / state / expiration date		PE. 0047579/ LA / Exp. 09/30/2023; RSP #636 / USA / Exp. 8/2024	
Year registered	2021	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Traffic & Safety	
Experience dates	Experience and qualifications relevant to the proposed contract		
	<p>Dr. Aguirre has experience working on projects for Louisiana Department of Transportation and Development (LADOTD) pertaining to traffic and <u>safety studies</u>, <u>feasibility studies</u>, <u>pedestrian and bicycle improvements</u>, permanent signing design, signal design, and NEPA studies. He is also familiar with the Highway Capacity Manual, <u>Highway Safety Manual</u>, MUTCD, and AASHTO "Green Book". Dr. Aguirre is also knowledgeable in the application of several software programs including <u>IHSDM</u>, Synchro, GuidSIGN, HCS and MicroStation software. <u>Dr. Aguirre has completed LADOTD Traffic Engineering Process and Report Training.</u></p>		
08/19 – 02/20	<p>Traffic Engineering IDIQ - US 61 Access Management and Corridor Improvements (Airline Hwy) Feasibility Study, LADOTD, East Baton Rouge Parish, LA. <i>Traffic Engineer.</i> Project purpose was to evaluate the effectiveness of proposed <u>access management improvements</u> along US 61 and identify <u>feasible alternatives</u> to maximize operational and safety benefits. Evaluated the need for pedestrian and bicycle accommodations based on historical crash data and adjacent land use. Assisted in conducting traffic analysis and the development of <u>benefit-cost analysis</u> to compare the effectiveness of the proposed alternatives.</p>		
09/19 – 06/21	<p>Safety Studies IDIQ - Baton Rouge Pedestrian and Bicycle Safety Action Plan and Road Safety Assessments, LADOTD, East Baton Rouge Parish, LA. <i>Traffic and Safety Engineer.</i> Assisted with the <u>assessment of existing and future safety deficiencies</u> related to pedestrian and bicycle modes at identified high-risk intersections and segments in East Baton Rouge Parish. Assisted with the development of screening criteria to identify high priority locations with a history of pedestrian and/or bicycle crashes. Conducted <u>Road Safety Assessments (RSAs)</u> at 10 priority locations to identify and evaluate safety deficiencies and <u>develop safety countermeasures to improve safety for pedestrians and bicyclists.</u></p>		
10/19 – 07/21	<p>I-10 New Orleans to Slidell Hard Shoulder Running Traffic and Safety Feasibility Study, LADOTD, Orleans Parish, LA. <i>Traffic and Safety Engineer.</i> Purpose of the project was to evaluate the feasibility of implementing HSR lanes along I-10 to <u>alleviate existing bottlenecks and congestion</u> along critical segments of the corridor. Assisted in <u>safety analysis</u> and development of conceptual drawings and typical sections for proposed Hard Shoulder Running (HSR) alternatives on I-10 between New Orleans and Slidell.</p>		
11/20 – Ongoing	<p>I-10 CMAR Traffic Engineering Services, LADOTD, East Baton Rouge Parish, LA. <i>Traffic and Safety Engineer.</i> Assisting in traffic engineering tasks including development of permanent signing plans, Interchange Modification Reports, and Transportation Management Plans for the widening of I-10 from LA 415 to Essen Lane and improvements to interchanges along this segment. Assisted in the development of <u>existing condition safety analysis</u> including tasks such as <u>crash data analysis, collision diagrams, and crash report documentation.</u></p>		

16. Staff Experience



Firm employed by		ARCADIS	
Name	Justin Maderia, PE, PTOE, PTP	Years of relevant experience with this employer	17
Title	Traffic and Safety Engineer	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		MS / 2005 / Civil Engineering; BS / 2004 / Civil Engineering	
Active registration number / state / expiration date		PE.0038492 / LA / 03/31/2024; PTOE #3455 / USA / 07/01/2024; PTP #604 / 07/01/2023	
Year registered	2013	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities		Air Quality & Noise Analysis; Safety Analysis	
Experience dates	Experience and qualifications relevant to the proposed contract		
	<p>Mr. Maderia's experience in transportation engineering includes safety studies, feasibility studies, traffic flow/demand modeling, spot speed studies, micro-simulation modeling, and traffic noise modeling. His experience with safety studies includes crash review and analysis, development of safety improvements and countermeasures, and application of Highway Safety Manual (HSM) methodologies to evaluate the effectiveness of safety improvements. He has also served as the project engineer responsible for the design of highway projects. Specific design experience includes maintenance of traffic design, traffic control plan design, roadway geometry, horizontal and vertical alignment design. His software program experience includes IHSDM, AutoCAD, MicroStation, Geopak, AutoTurn, SignCAD, GIS, TNM, CORSIM, VISSIM, HCS and all Microsoft Office Applications. Justin has completed Traffic Engineering Process and Report Training.</p>		
04/21-Ongoing	<p>Louisiana Strategic Highway Safety Plan Update, LADOTD, Statewide, LA. Safety Engineer. Responsible for QAQC of crash data analysis tasks for the SHSP update, including statistical analysis of existing emphasis areas and evaluating modifications to emphasis areas.</p>		
01/14 – 02/17	<p>US 71 Corridor - Phase 1 Stage 0 Feasibility Study, LADOTD, Rapides Parish, Louisiana. Safety Engineer. Responsible for independent review of <i>traffic and safety analysis</i>, VISSIM animations, and final Stage 0 documentation. Purpose of the project was to identify operational and safety needs and determine the safety effectiveness of alternative concepts that incorporated innovative intersections, roundabouts, frontage road improvements, and signal timing improvements.</p>		
03/16 – 07/18	<p>I-12 Hard Shoulder Running Feasibility Study, LADOTD, East Baton Rouge and Livingston Parishes, LA. Safety Engineer. Evaluated safety based on crash analysis, the HSM predictive methods and the ISATe tool for Freeways. <i>Estimated costs and safety benefits</i> to evaluate the feasibility of proposed alternatives. Analyzed speed data and volume data and developed figures for various hard shoulder running locations.</p>		
02/15 – 08/17	<p>Intersection Feasibility Study, Evangeline Thruway, Johnston St, & Louisiana Ave., LADOTD, Lafayette Parish, Louisiana. Safety Engineer. Responsible for the operational and <i>safety analysis of project alternatives</i> including existing, no-build, and build conditions. A calibrated VISSIM model was developed and used to analyze the various scenarios. Build alternatives included CFI, RCUT, and MUT concepts. The primary objective of the study is to <i>identify reasonable alternatives that address the purpose and need</i> and conduct a benefit/cost analysis to the operational and safety effectiveness of alternatives.</p>		
09/17-Ongoing	<p>Safety Study Task Order Contracts, ODOT, Statewide, Ohio. Lead Engineer. Responsible for completing <i>site specific safety studies</i> on a task order basis. Each safety study includes a site visit, existing conditions inventory, preparing existing conditions plans, collecting traffic counts, forecasting traffic volumes, reviewing 3 year crash history, completing ODOT's CAM Tool, capacity analysis, CMF Clearinghouse to test counter-measures, schematic diagrams, <i>cost estimating</i>, completing ODOT's ECAT, writing a safety study technical report, applying for safety funding from ODOT, and presenting the project to ODOT's Office of Program Management for safety funding award.</p>		

16. Staff Experience


PERSONNEL RESUMES

GIS & CADD SUPPORT STAFF


16. Staff Experience

Firm employed by			
Name	Joshua Chatelain	Years of relevant experience with this employer	15
Title	Senior Digital Data Analyst	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization		BS / 2002 / Geography, University of New Orleans	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities.		GIS/Data Analytics	
Experience dates	Experience and qualifications relevant to the proposed contract		
	<p>Mr. Chatelain has more than 20 years of experience using Geographic Information Systems (GIS) for planning and analysis in the transportation engineering field. He is experienced in performing infrastructure mapping and assessment, transportation planning and analysis, data acquisition, field survey oversight, and providing GIS support for ITS projects. Experience with ESRI ArcGIS application stack and data driven applications include: ArcMap, ArcCatalog, ArcInfo, ESRI Roads and Highways, Event Editor, ArcGIS Data Reviewer, ArcGIS Workflow Manager, ArcGIS Pro, ArcGIS 3D Analyst, ArcGIS Spatial Analyst, ArcGIS Geostatistical Analyst, ArcGIS Network Analyst, Production Mapping, ArcPad, ArcGIS Collector, ArcGIS Model Builder, ArcGIS Online, ArcGIS Enterprise, ArcGIS Web App Builder, AutoCAD, Enterprise Databases, ArcSDE, Python, ArcGIS Server, and SQL Server Management Studio.</p>		
06/18 – 10/19	<p>I-10 Queue Warning Systems Engineering Analysis, LADOTD, Baton Rouge, Louisiana/H.013482.1. <i>Probe Data and GIS Analyst.</i> Developed the first of its kind ITS Systems Engineering Analysis involving the evaluation of a Queue Warning system on I-10 eastbound from LA 77 to I-110. The analysis required processing and evaluation of traffic probe data as well as <i>LADOTD's crash data using GIS and electronic dashboarding tools</i> to identify existing traffic conditions.</p>		
01/14 – 01/18	<p>Retainer Contract for an Enterprise LRS System Development, LADOTD, Statewide, Louisiana. <i>GIS Analyst.</i> Responsible for the implementation of an Enterprise Linear Referencing System (LRS) using ESRI Roads & Highways. Participated in discovery meetings, development of existing conditions report, development of initial R&H database model and implementation of a <i>Statewide Enterprise Linear Referencing System (LRS)</i>. Local point of contact and associate project manager for the retainer contract.</p>		
02/13 – 07/14	<p>Enterprise LRS Business Process Review and Database Design Arizona Department of Transportation, Phoenix, Arizona. <i>GIS Analyst.</i> Worked as part of the project team to design and implement an <i>Enterprise Linear Referencing System (LRS) using the ESRI Roads and Highways platform (RNH)</i>. Evaluated the needs of the LRS system within ADOT. Tested tool sets, geoprocessing functions, models, datasets, schemes, and other elements within RNH to identify practical methods of migration to RNH from ADOT's current system. Modified, modeled, processed, and prepared datasets for migration into RNH.</p>		
01/21 - Ongoing	<p>LADOA General Services Staff Augmentation Contract, LADOTD, Statewide, Louisiana. <i>GIS Configuration Engineer.</i> Responsible for supporting the GIS/Mapping (Section 21) in continuing <i>development of the DOTD Enterprise GIS Program</i>. Worked to improve business process workflows and provided training and oversight to staff members. Developed ETL (extract, transform, load) processes, scripts, and geoprocessing tools to generate transportation data products and accomplish Section 21 goals. Worked with Section 21, Highway Safety Section, and CARTS (LSU Center for Analytics & Research in Transportation Safety) focus groups to design and develop a linear referenced enterprise Intersections data model to meet the needs of various stakeholders at DOTD. <i>Developed database schemas, datasets, tables, tools, and methodologies to support Intersections data migration and development</i>, and demonstrated Intersection Program goals and concepts to stakeholders across the agency.</p>		

16. Staff Experience

Firm employed by		ARCADIS		
Name	Sothon Men		Years of relevant experience with this employer	19
Title	Staff Designer		Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization			AA / 2005 / CADD Design / Southeast College of Technology	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities.			CADD Technician	
Experience dates	Experience and qualifications relevant to the proposed contract			
	Mr. Sothon Men is staff designer with more than 25 years of experience with CADD. His expertise includes computer aided drafting and design (CADD) and Microstation in all aspects of civil, structural, and electrical projects. He has prepared CADD drawings and plans for more than 200 civil/environmental/structural design projects.			
10/15 – 01/18	North Bayou Black Drive, Hanson Canal Bridge, LADOTD, Off-System Highway Bridge Replacement Program, Terrebonne Parish, LA. CADD Designer. Provided all necessary engineering and related services required for developing plans for the replacement of an off-system highway bridge. Duties included the calculation of earthwork quantities using Land Desktop software, plan and profile, cross-sections, and the merging of drawings into MicroStation software.			
09/08 – 07/10	El Camino East/West Corridor Environmental Assessment, LADOTD, Natchitoches Parish, LA. CADD Technician. Provided all CADD-related services for project drawing preparation. Arcadis prepared an Environmental Assessment for the proposed widening of an 8.28-mile section of LA 6 in Natchitoches Parish between I-49 and Robeline.			
01/11 – 01/12	Seabrook Sector Gate Complex, USACE New Orleans District Hurricane Protection Office (HPO), New Orleans, LA. Lead Technician. Involved in developing construction plans for a 95-foot wide sector gate structure and two vertical lift gates (100-year level of protection), T-wall tie-ins, and cofferdam system. Design software packages were Bentley Microstation and Bentley GeoPack.			
12/10 – 4/12	US 84 Improvements from Sabine River to LA 5, LADOTD and TxDOT, Logansport, LA. Design Technician. Preparation of all structural CADD drawings including general plan layout, plan and profile, girder layout, and all substructure details.			
01/16 – 01/18	Triborough Bridge and Tunnel Authority of New York Metropolitan Transportation Authority, New York. Design Technician. Provided design support on a Design-Build project for the New York Transit Authority. Judlau Construction contracted Arcadis to design primary deployable flood protection barriers and secondary closure gates for the tunnels. Bentley Microstation was used.			
02/11 – 05/12	SH 31 Bridge Design, TXDOT, Waco, Tx. CADD Technician. Responsible for structural design, plans preparation and quantity estimates as per Load and Resistance Factor Design (LRFD) specifications for six TxDOT bridges on Highway SH 31 (over Navasota River, overpasses over FM 1330 & FM 339). Bridge lengths varied from 130 – 240 ft and featured pre-stressed U beams & Type C girders on concrete bents founded on drilled shafts.			
05/08 – 06/10	SH 195 Bridge Design, TXDOT, Williamson County, Texas. CADD Technician. Responsible for QA/QC of design calculations (LRFD), plans and cost estimates for a roadway overpass featuring twin bridge structures with skewed spans set in a horizontal curve.			

16. Staff Experience

Firm employed by		SJB GROUP, LLC <small>QUALITY BY DESIGN</small>	
Name	Tyler Foster	Years of relevant experience with this employer	5
Title	CADD Technician	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		AOS / 2016 / Drafting and Design Technology – Civil/Structural and Piping Drafting, ITI Technical College	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities.		CADD Technician	
Experience dates	Experience and qualifications relevant to the proposed contract		
	Mr. Foster is involved with the preparation of boundary surveys, right-of-way maps, topographic surveys, utility mapping, stakeout computations, and as-built survey maps. Additionally, he has experience in the preparation of SUE field sketches, electronic drawings, Quality Level B deliverable maps, and Quality Level A test hole data forms. He has experience in design and drafting using CAD design software packages as well as MicroStation In Roads.		
08/21 – 03/22	UPRR Corridor (Plaquemine), LADOTD. CADD Technician. SJB Group performed Quality Level B, C, and D subsurface utility engineering and utility surveying for the project located in Iberville Parish along the Union Pacific Railroad Corridor between the intersection of LA 1 and Bayou Road and the intersection of Bellevue Drive and Railroad Avenue.		
04/21 – 07/21	Hooper Road Widening (LA 3034 – LA 37), LADOTD. CADD Technician. SJB performed a topographic survey, subsurface utility engineering, and an update of an existing drainage map for a one mile stretch of LA Hwy 408. The topographic survey was an update to a survey done previously by SJB and included locating and verifying all changes to the one mile site since the previous survey was completed.		
03/21 – 06/21	LA 91: Bayou Plaquemine Brusly Bridge Replacement, LADOTD. CADD Technician. SJB Group performed a topographic survey for Louisiana Department of Transportation and Development for a bridge replacement of the Bayou Plaquemine/Brusly Bridge.		
12/19 – 01/20	Nelson Road Extension & Bridge, LADOTD. CADD Technician. The project was located along the Nelson Road corridor, which is located south of Contraband Bayou in Calcasieu Parish, near Lake Charles, Louisiana. The project included the realignment of Nelson Road, new bridge construction, and relocation of an existing railroad. SJB performed ASCE 38-02 Quality Level B services throughout the project limits and ASCE 38-02 Quality Level A services for all utility lines greater than 4" in diameter crossing the survey alignment.		
11/19 – 10/21	US 190: LA 437 – US 190 BUS (PH 1), LADOTD. CADD Technician. This project required the roadway widening located along US 190 from LA 437 to US 190 (BUS) and adding a new westbound bridge over the Bogue Falaya River in St. Tammy Parish in the City of Covington, LA. SJB Group performed Quality Level A and B SUE for design conflicts.		
01/19 – 08/19	LA 182 Barrow Street Bridge, LADOTD. CADD Technician. SJB Group was hired by LA DOTD to provide Quality Level B SUE throughout Topographic Survey limits.		
11/18 – 07/19	Plank Road and Florida Blvd – Baton Rouge Transit. CADD Technician. SJB Group performed subsurface utility engineering and utility surveying for the design of new bus stops for the Capital Area Transit System along Florida Boulevard and Plank Road in East Baton		

16. Staff Experience



	Rouge Parish. This project required ASCE 38-02 Quality Level B services at certain locations where bus stops were being proposed in order to eliminate conflicts with underground utilities.
05/18 – 11/18	I-10 Loyola Interchange Improvements – LA DOTD. <i>CADD Technician.</i> SJB Group performed SUE and utility surveying for the design of an overpass connector for the interchange of Loyola and I-10 in New Orleans providing additional access to the New Orleans Airport. This project required ASCE 38-02 Quality Level B services throughout the entire project limits and all associated surveying including above ground utility lines and features.
07/17 – 11/17	I-12: US 190 to LA 59, LADOTD. <i>CADD Technician.</i> SJB Group, LLC performed subsurface utility engineering for a topographic survey to extend the existing topographic survey limits in nine areas. The additional topographic survey and ASCE Quality Level B locating services was performed along LA 59, north and south of I-12 in St Tammany Parish. SJB Group also performed the topographic survey of the original and extended limits.
10/16 – 10/16	LA 44 Turn Lane at LA 621, LADOTD. <i>CADD Technician.</i> SJB Group was hired to perform SUE services for the LA 44 Turn Lane at LA 621 in Ascension Parish for LA DOTD under the retainer contract.
05/16 – 02/17	Chef Menteur Pass Bridges and Approaches, LADOTD. <i>CADD Technician.</i> SJB Group provided a topographic survey and subsurface utility engineering services for a proposed bridge replacement in Orleans Parish. Mr. Foster designed drainage maps and utility sheets.
02/16 – 02/17	Hooper Road Extension – Rt. LA 408, LADOTD. <i>CADD Technician.</i> SJB Group performed a topographic survey of utilities and their depths as well as drainage maps. The survey was for the extension of Hooper Road across the Amite River. Tyler created primary control data sheets, drainage maps, and utility sheets.

16. Staff Experience

PERSONNEL RESUMES

PUBLIC INVOLVEMENT STAFF



16. Staff Experience

Firm employed by		 MARMILLION/GRAY MEDIA	
Name	Rannah Gray	Years of relevant experience with this employer	16
Title	Principal	Years of relevant experience with other employer(s)	22
Degree(s) / Years / Specialization		MA / 1979 / Journalism; BA / 1977 / Journalism	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities.		Public Involvement Lead	
Experience dates	Experience and qualifications relevant to the proposed contract		
		<p>One of the state's most experienced public engagement professionals for transportation projects, Rannah Gray has developed and implemented successful strategies for public and stakeholder outreach in Louisiana, Texas, Mississippi, Alabama and Florida. She serves as the communications lead and public engagement co-lead for MOVEBR, and the public outreach and marketing lead for Commuter Krewe, a project of the Capital Region Planning Commission (CRPC) and DOTD to reduce traffic congestion by promoting alternatives to single occupied vehicle travel. Rannah has worked on environmental studies for the proposed Baton Rouge Loop project and the proposed Nicholson Corridor High-Capacity Transit System, which is now the Bus Rapid Transit project. She is a graduate of the 2013 Louisiana Leadership Class and her work has won over 20 national marketing and communications awards.</p>	
07/19 – Ongoing	<p>MOVEBR Transportation and Infrastructure Improvements Program for East Baton Rouge Parish, Baton Rouge, LA. <i>Communications Lead and Public Involvement co-lead.</i> Authored the program's strategic communications plan, created the MOVEBR brand; <i>manages media outreach, public events, in-person and online stakeholder outreach.</i> The MOVEBR program is the largest transportation and infrastructure initiative in East Baton Rouge Parish history, providing an investment of over \$1 billion in capacity projects, existing corridor enhancements, community improvements and traffic signal synchronization.</p>		
09/19 – Ongoing	<p>Local Public Agency Documented Planning Process for DOTD, Baton Rouge, LA. <i>Public Outreach Consultant</i> for this project. Authored the plan's public and stakeholder involvement chapters, including strategies for gathering in-person and online public input. She led development of toolkit templates and resources for to be used by smaller cities, towns and parishes for transportation planning. The project will be piloted in three communities and the consulting team will use lessons learned to revise the final planning document.</p>		
12/18 – 2021	<p>Baton Rouge Bus Rapid Transit Feasibility Study for East Baton Rouge Parish, Baton Rouge, LA. <i>Public Outreach Lead.</i> She was <i>responsible for the planning and implementation of stakeholder and public meetings</i> to gather input for proposed bus routes on Nicholson Drive and Plank Road. This project and its funding has been brought into the MOVEBR program for more efficient management where Ms. Gray will continue to manage public engagement strategies for the project.</p>		
04/18 – 10/18	<p>ADA Transition Plan for Baton Rouge Parks and Recreation Commission (BREC), Baton Rouge, LA. <i>Public Outreach Lead.</i> Responsible for the planning and implementation of stakeholder and public outreach activities, <i>development of a database of advocacy organizations</i> and people living with disabilities; management of accessible public meetings, surveys and stakeholder outreach; and creation of outreach materials. This project evaluated BREC facilities, gathered public and</p>		



16. Staff Experience

	stakeholder input to determine priorities and developed a plan for bringing facilities into compliance with the Americans with Disabilities Act (ADA).
07/17 – Ongoing	Baton Rouge Travel Demand Management project (Commuter Krewe of Louisiana) for CRPC, Baton Rouge, LA. <i>Public Outreach and Marketing Lead.</i> She is responsible for development of the <i>Commuter Krewe</i> brand, marketing plan, and promotional strategies to help reduce single-occupied vehicles. The Commuter Krewe program was developed to help reduce traffic congestion in the Capital Region.
03/09 – 03/16 <i>*Section 17 Project*</i>	Implementation Plan and EIS for the Baton Rouge Loop project for the Capital Area Expressway Authority (CAEA), Baton Rouge, LA. <i>Public Outreach Lead.</i> This included <i>building stakeholder databases, managing stakeholder workshops, public meetings, surveys, elected official briefings and public hearings.</i> The Baton Rouge Loop was a proposed by-pass around Baton Rouge to help reduce traffic congestion in the Capital Region.
09/15 – 12/16 <i>*Section 17 Project*</i>	Nicholson Corridor High-Capacity Transit System for East Baton Rouge Parish, Baton Rouge, LA. <i>Public Outreach Lead.</i> Her responsibilities included development of the TramLinkBR brand, and stakeholder and public outreach activities including workshops, <i>public open houses and presentations to business, civic and neighborhood organizations.</i> TramLinkBR was a proposed modern streetcar system connecting LSU and Downtown Baton Rouge. It has been converted to a proposed bus rapid transit route by the current administration.
04/15 – 04/16	Capital Region Metropolitan Transportation Plan Update for the Capital Region Planning Commission (CRPC), Baton Rouge, LA. <i>Public Outreach Lead.</i> She managed public and stakeholder outreach, including developing the MOVE2042 branding, managing stakeholder and public outreach, surveys, public meetings and elected official outreach. This project provided an update of the long range transportation plan for the five parishes in the Capital Region MPO.
08/10 – 01/12	Capital Region Bicycle and Pedestrian Safety Campaign for the Capital Region Planning Commission (CRPC), Baton Rouge, LA. <i>Prime Consultant</i> for creating a public education campaign in the five Capital Region parishes in the MPO. Her responsibilities included producing TV spots, collateral materials, and <i>community outreach strategies.</i> This project aimed to reduce bicycle crashes and pedestrian deaths and during the campaign, bicycle crashes decreased 24% in the Capital Region and 32% in East Baton Rouge Parish, while pedestrian deaths decreased 12% in the Capital Region and 31% in East Baton Rouge Parish.
01/10 – 09/11	East Baton Rouge Parish Comprehensive Master Plan for Land Use, East Baton Rouge Parish, Baton Rouge, LA. <i>Public Involvement Lead.</i> <i>Authored the public outreach plan and managed public engagement,</i> stakeholder workshops and branding. This included developing the FUTUREBR logo, managing stakeholder workshops, public meetings, surveys and a public outreach effort that signed up over 2,000 residents to be “citizen planners” to provide ongoing input. This plan replaced the parish’s Horizon Plan for land use.

16. Staff Experience

Firm employed by		 MARMILLION/GRAY MEDIA	
Name	Ashley Powell	Years of relevant experience with this employer	5
Title	Graphic Design	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization		B.A. in Visual Arts, Concentration in Graphic Design and Minor from Southeastern Louisiana University, Hammond, Louisiana	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities.		Public Involvement/Communications	
Experience dates	Experience and qualifications relevant to the proposed contract		
	Ashley Powell's experience includes working on social media communications, public outreach, and web design for projects including MOVEBR, the Commuter Krewe program, TramLinkBR and Bus Rapid Transit projects, the BREC ADA Transition Plan and the MOVE2046 Transportation Plan for the Capital Region. Ashley's responsibilities have included coordinating set-up and logistics for public meetings and workshops, audience building and focus group recruitment through outreach. She provides graphic design for social media posts and assists with production of collateral materials used for the public meetings and outreach. Ashley served as a facilitator at land use planning workshops for the TramLinkBR project and provided general support for all aspects of the public outreach efforts. She also managed focus groups recruitment and facilitation and assisted with video production for the Capital Region Bicycle and Pedestrian Safety Campaign.		
12/18 – 03/21	Baton Rouge Bus Rapid Transit Feasibility Study: Graphic design and public meeting support. Ashley provided graphic design support and meeting logistics.		
04/18 – 10/18	BREC ADA Transition Plan: Public outreach and public meeting facilitation. Ashley assisted with <i>assuring venues were ADA compliant</i> and staff were prepared to accommodate people of all abilities.		
03/17 – 01/18	IMCAL (Calcasieu Parish) I-210 Bridge Redecking Project: Public outreach and public meeting support. Ashley assisted with attendee sign-in, audience building, preparation of meeting materials and meeting facilitation.		
07/17 – Ongoing	CRPC Baton Rouge Travel Demand Management Project: Graphic design for ridesharing promotions. Ashley provides graphic design for <i>promotions, outreach activities and webinars</i> .		
09/15 – 12/16 <i>*Section 17 Project*</i>	EBR Nicholson Corridor High-Capacity Transit System: Public outreach and public meeting support. Ashley assisted with meeting set-up and facilitation, outreach to stakeholders and the public.		
04/15 – 04/16	CRPC Metropolitan Transportation Plan: Assisted with <i>public outreach and public meeting facilitation</i> . Ashley assisted with scouting meeting locations to assure accessibility, helped the project team with meeting set-up, attendee sign-in, and meeting facilitation.		
08/10-01/12	CRPC Bicycle and Pedestrian Safety Campaign: Assisted with focus group recruitment and facilitation and video production. Ashley was part of the production team that produced PSAs aimed at young drivers and assisted with recruiting and facilitating a focus group with high school students to determine best ways to reach them with safe driving messages.		


16. Staff Experience

Firm employed by		 MARMILLION/GRAY MEDIA	
Name	Sarah Powell	Years of relevant experience with this employer	15
Title	Graphic Designer	Years of relevant experience with other employer(s)	20
Degree(s) / Years / Specialization		Bachelor of Fine Arts in Graphic Design (1985) LSU – graphic and video design	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities.		Public Involvement/Communications	
Experience dates	Experience and qualifications relevant to the proposed contract		
	<p>Sarah Powell provides expertise in graphic design, video production and website development for Marmillion/Gray Media, including projects for the EBR Mayor's Office of Homeland Security and Emergency Preparedness; Capital Region Planning Commission (CRPC); Imperial Calcasieu Regional Planning and Development Commission (IMCAL); FUTUREBR project; Baton Rouge Loop; Louisiana Department of Culture, Recreation and Tourism; and the Americas' WETLAND Foundation. Sarah and Project Manager Rannah Gray have worked together for more than 20 years, providing a seamless creative process for developing impactful and engaging communications. Ms. Powell's work has been a vital aspect of many successful advertising and public relations campaigns and has helped the firm win numerous national, regional and local awards such as: The Communicator Awards, Telly awards, Pollie Awards, Lantern Awards, and Addy awards.</p>		
07/19 – Ongoing *Section 17 Project*	<p>MOVEBR Transportation and Infrastructure Improvements Program for East Baton Rouge Parish, Baton Rouge, LA. <i>Graphics Designer.</i> Responsibilities include graphics and branding; still photography, videography with drone and Go-Pro cameras; production of short informational videos for press announcements and social media; design of project signs; doorhangers to inform neighborhoods of project work; and presentation materials.</p>		
09/19 – Ongoing	<p>Local Public Agency Documented Planning Process for DOTD, Baton Rouge, LA. Provided graphic design for the development of a toolkit for use by communities for transportation planning. This project is providing a plan, toolkit, and resources to assist smaller communities conduct in-house planning.</p>		
12/18 – 03/21	<p>Baton Rouge Bus Rapid Transit Feasibility Study for East Baton Rouge Parish, Baton Rouge, LA <i>Graphics Designer.</i> Designed meeting notices, posters and collateral materials for stakeholder and public outreach and public open house meetings. This study was conducted to determine whether work conducted for a proposed modern streetcar system could be used to develop a bus rapid transit route instead.</p>		
04/18 – 10/18	<p>ADA Transition Plan for Baton Rouge Parks and Recreation Commission (BREC), Baton Rouge, LA. <i>Graphics Designer.</i> Designed meeting notices, social media posts, posters, and collateral materials for public and stakeholder outreach and public meetings. Designed that complemented BREC's existing "Imagine Your Parks" campaign to give the ADA Transition Plan identity and credibility. The plan provided an evaluation of BREC's facilities, gathered public input to determine priorities and developed a plan to BREC to achieve compliance with the Americans with Disabilities Act. (ADA)</p>		
07/17 – Ongoing	<p>Baton Rouge Travel Demand Management project (Commuter Krewe of Louisiana) for CRPC, Baton Rouge, LA. <i>Graphics Designer.</i> Responsibilities include creating the branding for the program and designing promotional materials. Provides videography and editing for informational videos used for onboarding employees at job centers, banner design, animation</p>		

16. Staff Experience


	for social media posts, on-site sign design and collateral materials. The <i>Commuter Krewe</i> branding has been adopted by the New Orleans and Lafayette MPOs to promote ridesharing throughout the region. The program encourages ridesharing and other alternatives to single-occupied vehicles to help reduce traffic congestion in the Capital Region.
03/09 – 03/16 *Section 17 Project*	Implementation Plan and EIS for the Baton Rouge Loop project for the Capital Area Expressway Authority (CAEA), Baton Rouge, LA. <i>Graphics Designer.</i> Responsibilities included graphic design and logo design, <i>production of informational videos for public meetings</i> and presentations, and collateral materials. The Baton Rouge Loop was a proposed by-pass around Baton Rouge to help reduce traffic congestion in the Capital Region.
09/15 – 12/16 *Section 17 Project*	Nicholson Corridor High-Capacity Transit System for East Baton Rouge Parish, Baton Rouge, LA. <i>Graphics and Web Designer.</i> <i>Responsibilities included designing the TramLinkBR project brand, website</i> design and management, production of informational videos, and collateral materials. TramLinkBR was a proposed modern streetcar system connecting LSU and Downtown Baton Rouge. It has been converted to a proposed bus rapid transit route by the current administration.
04/15 – 04/16	Capital Region Metropolitan Transportation Plan Update for the Capital Region Planning Commission (CRPC), Baton Rouge, LA. <i>Graphics Designer.</i> Created the MOVE2042 project logo and <i>designed stakeholder and public meeting materials.</i> This project provided an update of the long-range transportation plan for the five parishes in the Capital Region MPO.
08/10 – 01/12	Capital Region Bicycle and Pedestrian Safety Campaign for the Capital Region Planning Commission (CRPC), Baton Rouge, LA. <i>Graphics Designer and Video Producer.</i> Designed print ads, posters, billboards, handouts, and videos as part of the public education campaign to encourage bicycle and pedestrian safety in the Capital Region. This project aimed to reduce bicycle crashes and pedestrian deaths and during the campaign, bicycle crashes decreased 24% in the Capital Region and 32% in East Baton Rouge Parish, while pedestrian deaths decreased 12% in the Capital Region and 31% in East Baton Rouge Parish.

16. Staff Experience

Firm employed by		ARCADIS	
Name	Michael 'Shane' Blatt, MBA	Years of relevant experience with this employer	3
Title	Senior Communications Manager	Years of relevant experience with other employer(s)	17.5
Degree(s) / Years / Specialization		MBA / 2014 / Business Administration BS / 1995 / Journalism	
Active registration number / state / expiration date		N/A	
Year registered		Discipline	N/A
Contract role(s) / brief description of responsibilities.		Public Involvement/Communications	
Experience dates	Experience and qualifications relevant to the proposed contract		
	<p>Communications leader and strategist leveraging substantial experience in journalism and public relations to disseminate information and shape public perception on behalf of metro Atlanta's largest transportation organizations, including the Georgia Department of Transportation (GDOT) and Metropolitan Atlanta Rapid Transit Authority (MARTA). Previously, served as executive speechwriter and directed all internal communications at Hartsfield-Jackson Atlanta International Airport (ATL). As a journalist for 18 years, won three dozen writing, editing, and design awards.</p>		
11/19 – Ongoing	<p>I-285 Westside Express Lanes, Georgia Department of Transportation, Atlanta, GA. <i>Communications Lead.</i> Responsible for developing communications strategies and messaging, building PowerPoints, leading internal meetings, <i>coordinating and conducting stakeholder outreach</i>, and responding to public inquiries. Spearheaded all efforts – including social media campaigns, print advertising, press releases, video testimonials, and stakeholder toolkits – ahead of the project's virtual Public Information Open House (PIOH) in early 2021. Organized and moderated a virtual chat session with the public in February. Coordinating and leading bi-weekly meetings to provide updates on and track activities and deliverables (e.g., presentations, social media posts, and public inquiry responses).</p>		
04/21 – 07/21	<p>MARTA HOPE Program, Georgia Department of Transportation, Atlanta, GA. <i>Communications Lead/Project Manager.</i> Responsible for developing messaging that highlighted the human interactions, impacts, and benefits of the MARTA HOPE Program, which aims to address homelessness throughout the transit system. Messaging targeted internal and external stakeholders and included a full page of content for www.itsmarta.com. Organizing and designing a print tri-fold brochure and PowerPoint presentation, incorporating MARTA images, fonts, colors, and other branding elements. Coordinating and leading meetings with client to keep project on track.</p>		
11/19 – Ongoing	<p>Dekalb Avenue Complete Street, Georgia Department of Transportation, Atlanta, GA. <i>Communications Coordinator.</i> Responsible for <i>coordinating and attending public outreach</i> meetings as well as developing public boards, facts sheets, and FAQs. Serving as a liaison between the project team and Renew Atlanta as well as providing <i>strategic insight on media coverage</i> before and after public/stakeholder meetings.</p>		
05/19 – 07/19	<p>Better Utilizing Investments to Leverage Development (BUILD) Grants, Georgia Department of Transportation, Atlanta, GA. <i>Project Manager/Grant Writer.</i> Responsible for leading the development of two U.S. Department of Transportation BUILD grants researched and written on behalf of GDOT. Writing one of those grants and submitting both on time and ~\$10k under budget.</p>		

16. Staff Experience

08/18 – 04/19	More MARTA Atlanta, Atlanta, GA. Senior Communications Manager. Responsible for overseeing a six-member communications team in areas of <i>outreach/engagement, messaging, public relations, presentation development, social media, and digital and creative services</i> to regional agencies, including MARTA. Spearheading communications for More MARTA Atlanta, the city's largest expansion program in 40 years, and coordinating day-to-day meetings and deliverables. Reimagining the monthly electronic newsletter for More MARTA Atlanta to include more innovative content, including alternative story forms such as quizzes. Streamlining team's internal review process, reducing number of people and time involved for deliverables; resulted in better on-time deadline performance for clients.
01/16 – 01/18	Hartsfield-Jackson Atlanta International Airport (ATL), Atlanta, GA. Senior Public Relations Manager. Responsible for creating and maintaining a positive image of the world's busiest airport by crafting speeches, presentations, and congressional testimony on behalf of the airport general manager as well as developing talking points for Atlanta's mayor during visits to ATL. Serving as chief editor and auditor of atl.com, the airport's public-facing website. Directing all internal communications efforts, including managing and writing for the intranet. In a single year, increased number of published articles by 50 percent. Designing and launching a print version of the intranet, fulfilling critical need to reach employees who lacked computer access (e.g. Maintenance and Security). Creating communications plan to raise participation in TSA's PreCheck. Efforts led, in part, to a 53 percent bump in PreCheck enrollment at ATL's sign-up centers.
01/05 – 01/12	The Atlanta Journal-Constitution, Atlanta, GA. Reporter/Copy Editor/Designer. As a Reporter, responsible for covering city government, breaking news, and business-related matters in Gwinnett County. Praised for enterprise stories, some of which reached a national audience. Cultivating strong relationships with government leaders and leveraging these relationships to scoop TV, radio, and other media outlets. Amassing 1,000+ followers for AJC's Gwinnett Twitter account. As a Copy Editor and designer, responsible for editing local stories for grammar, spelling, AP style, accuracy, tone, and fairness. Designing front page of AJC and helping redesign newspaper in 2008.



"I have just read through this document and want to compliment both of you on the excellent job that you (Arcadis) and the project team did! The narrative portion is very detailed, yet written in a manner that lay people can easily understand, and the visuals are very clear and easy to read. I also like the way that you placed all three alternatives side-by-side on the aerial maps, which allows for an easy comparison as you look at each section of the project. I very much appreciate the great job y'all have done with the entire process to this point, and I look forward to the timely completion of the remaining steps in this stage!"

- Nicholas Verret, Draft Environmental Document for El Camino LA-6 Widening, LA-485 to I-49

Section 17

LA 429 Diverging Diamond Interchange (DDI) rendering on I-10 at LA 429 based on Arcadis' Tier 1 Traffic Alternative Analysis.

17. Firm Experience:

Firm name	ARCADIS		Past Performance Evaluation Discipline(s)*	Planning, Environmental, Traffic, Road, Bridge
Project name	I-10 (LA 73, LA 74, & LA 429) Interchange Feasibility Studies		Firm responsibility (prime or sub?)	Prime
Project number	H.003771.2	Owner's name	Louisiana Department of Transportation and Development (LADOTD)	
Project location	Ascension Parish, LA		Owner's Project Manager	Peggy Jo Paine
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225 242 4514, peggy.paine@la.gov			
Services commenced by this firm (mm/yy)	03/18	Total consultant contract cost (\$1,000's)		\$768
Services completed by this firm (mm/yy)	11/2019	Cost of consultant services provided by this firm (\$1,000's)		\$716

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

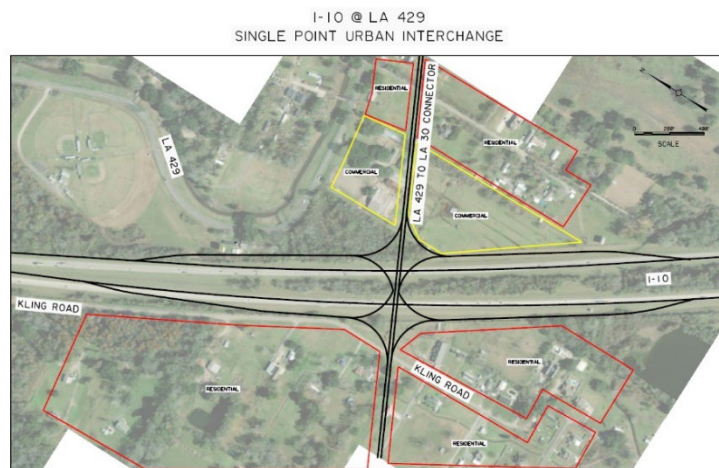
Firm's Role: Arcadis was contracted by LaDOTD to conduct a feasibility study to identify interchange improvements at the existing interchange at I-10 and LA 73 and at two new interchange locations at I-10 and LA 74 and I-10 at LA 429 in Ascension Parish, LA.

Firm Members Involved: Akhil Chauhan, Ari Deitch, Thomas Montz, Jose M. Rodriguez

Traffic Study and Microsimulation Modeling. The traffic study was *performed in accordance with LADOTD Traffic Engineering Process and Report Guidelines* and involved traffic data collection, volume development, alternative development / evaluation, and traffic analysis using a calibrated microsimulation model (VISSIM). The study area experiences oversaturated conditions during peak periods that required extensive calibration efforts to effectively replicate observed congestion and queues. Arcadis *developed and implemented a volume estimation methodology* in accordance with NCHRP Report 765 to project future year volumes at new interchange locations at LA 74 and LA 429 as well as changes in travel patterns along I-10 and at the existing LA 73 interchange. This process required an *in-depth understanding of local and regional land-uses and travel demand patterns* to make sound assumptions when creating balanced network volumes. Reasonable alternatives were developed and evaluated based on projected volumes to determine their effectiveness with respect to operations and safety and to quantify their impact to environmental resources.

Relevant Services


- Traffic Data Collection/ Analysis
- Microsimulation Modeling
- Volume Development
- Build Alternative Development
- Conceptual Design Drawings
- Construction Cost Estimates
- Interchange Modification/ Justification Report
- Environmental Impact Assessment



Alternative Development. Arcadis evaluated all interchange alternatives for existing and proposed interchange locations using a *data driven, tiered evaluation process*. The tiered evaluation identified evaluation criteria based on the unique needs and challenges of each interchange location. For LA 73, diamond and partial clover leaf interchange types were selected for further analysis. For LA 74, tight urban diamond (TUDI) and single point urban (SPUI) interchange types were selected because they minimize environmental and right-of-way impacts. *For LA 429, diamond, SPUI, partial clover leaf, and diverging diamond (DDI) interchanges were selected.* The LA 429 interchange is expected to serve as an alternative route to LA 30 for large truck traffic. With this in mind, interchanges that could accommodate higher volumes of large truck traffic were considered.

Environmental Inventory and Impact Assessment. For each interchange location, an *inventory of potential environmental resource and environmental justice impacts* was conducted to quantify environmental impacts for potential alternatives. Avoiding such impacts was a primary consideration in the development and selection of potential build alternatives.

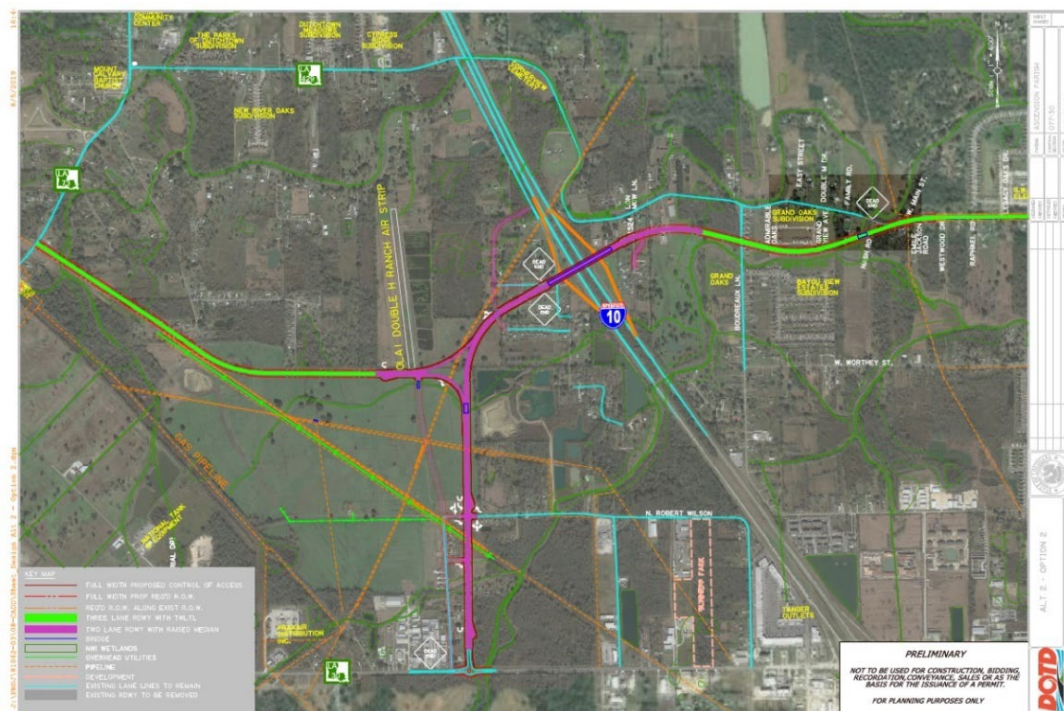
17. Firm Experience:

Firm name	 BUCHART HORN ENGINEERS • ARCHITECTS • PLANNERS		Past Performance Evaluation Discipline(s)*	Planning, Road, Env
Project name	LA 429 Connector Stage 0 Feasibility Study		Firm responsibility (prime or sub?)	Prime
Project number	H.012311.1	Owner's name	Louisiana Department of Transportation and Development (LADOTD)	
Project location	Ascension Parish, LA		Owner's Project Manager	Hong Zhang, PE, PTOE
Owner's address, phone, email	1201 Capitol Access Road, Room 605Z, Baton Rouge, LA 70804.9245, 225 379 1421, Hong.Zhang@la.gov			
Services commenced by this firm (mm/yy)	03/19	Total consultant contract cost (\$1,000's)		\$361
Services completed by this firm (mm/yy)	11/20	Cost of consultant services provided by this firm (\$1,000's)		\$361

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

Firm's Role: As a Task Order under Contract SP No. 4400005873, Buchart Horn prepared a **Stage 0 Feasibility Study** to evaluate **alignment alternatives** for a limited-access corridor (LA 429) in the vicinity of I-10 between LA 30, LA 73, and US 61 in Ascension Parish, LA. The purpose of the new LA 429 connector road is to create another route for motorists to travel from LA 30 to US 61, decreasing travel time along existing corridors.

Firm Members Involved: John Mettille, Joseph F. Mingo



Proposed LA 429 Alignment and Interchange Location Alternative

Relevant Services

- Stage 0 Feasibility Study
- Data Collection
- Environmental Inventory
- Alternative Development
- Geometric Layouts / Analysis
- ROW Impact Assessment
- Construction Cost Estimates
- Public and Stakeholders Meetings
- Stage 0 Checklists
- Stage 0 Documentation

Project Goals: The study goal and objective was to **evaluate limited access corridor alignment alternatives** located in the vicinity of I-10, between LA 30, LA 73 and US 61 in Ascension Parish, LA.

Project Scope: The project consisted of preparing a **Stage 0 Feasibility Study & Environmental Inventory** for the LADOTD. The scope consists of stakeholders and public meetings, **site visits & data collection, phasing of alternative development** for the corridor, **Preliminary Scope and Budget and Environmental Checklists**, and **Opinion of Probable Cost** to prepare the **Stage 0 Report**. Several alternatives for the widening and reconstruction of LA 429 were evaluated.

17. Firm Experience:

Firm name	ARCADIS			Past Performance Evaluation Discipline(s)*	Planning, Traffic, Env, Road
Project name	Pete's Highway Interchange Alternatives and Environmental Assessment			Firm responsibility (prime or sub?)	Prime
Project number	H.002397.2	Owner's name	Louisiana Department of Transportation and Development (LADOTD)		
Project location	Livingston Parish, LA		Owner's Project Manager		Ryan Morvant
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225 379 1652, ryan.morvant@la.gov				
Services commenced by this firm (mm/yy)	01/14	Total consultant contract cost (\$1,000's)			\$1,500
Services completed by this firm (mm/yy)	Suspended*	Cost of consultant services provided by this firm (\$1,000's)			\$1,380

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

Firm's Role: High-priority funding allowed LADOTD to employ Arcadis to complete an **NEPA Environmental Assessment, Traffic Engineering, and Geometric Design Layouts**, including the establishment of apparent and required right-of-way, to improve congestion and operations.

Firm Members Involved: Akhil Chauhan, Thomas Montz, Ari Deitch, Justin Maderia, David Fulks, Jan Hughes, Jason Morrell

Alternatives Evaluation & Development: Preliminary alternatives retained from the Stage 0 feasibility study were refined and evaluated for constructability, temporary construction effects, construction costs, and permanent direct and indirect effects. Alternatives included two split diamond interchange options with roundabout, partial clover leafs, collector-distributor roads at Range Avenue and Pete's Highway (LA 16), and a diverging diamond interchange (DDI) at Range Avenue. Arcadis developed **geometric design drawings** for the DDI alternative including **line and grade** in accordance with LADOTD roadway and minimum design guidelines. Alternatives incorporated **context sensitive solutions** and complete streets policy through coordination with the LADOTD, parish, and planning organizations to include sidewalks and high visibility crosswalks.

Relevant Services

- Environmental Assessment
- Traffic Study/IMR
- Alternative Development/Screening
- Geometric Design Drawings
- Line and Grade
- Construction Cost Estimate
- Air and Noise Analysis
- Context Sensitive Solutions
- Public Involvement/Stakeholder Outreach

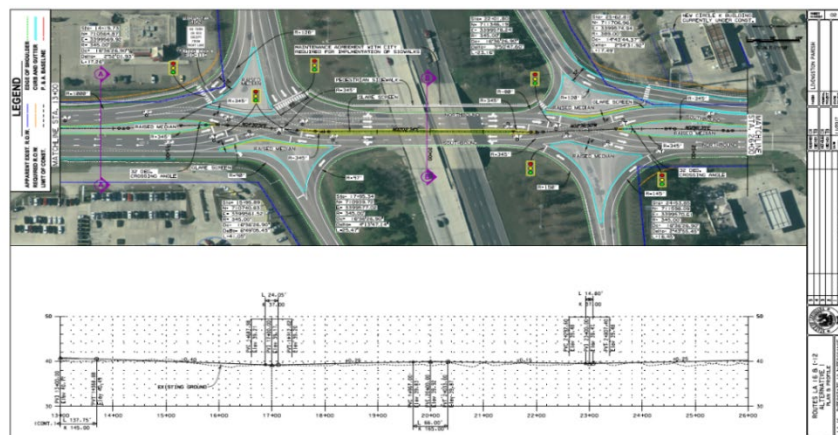



Figure: Diverging Diamond Interchange Alternative - Plan and Profile

Traffic Study & IMR: A traffic study was conducted to evaluate proposed alternatives. The traffic study scope included **data collection/analysis**, VISSIM model development and calibration, existing and future year scenario analysis, roundabout analysis, future volume projections, **alternative analysis**, proposed signing and striping layouts, and FHWA policy point/IMR documentation.

Planning & Environmental: Arcadis completed **technical studies** to support the Environmental Assessment including wetlands and biological resource identification, Phase I Environmental Site Assessment, traffic noise and air quality analysis, socio-economic and community impact evaluation, and secondary and cumulative effects analysis. Because of the complexity of the alternatives and high public profile of the project, Arcadis designed and coordinated a project website to facilitate ongoing dialogue with the community and provide information to the public. Arcadis **conducted public and stakeholder meetings** to obtain input and satisfy federal requirements. Visual simulations of the complex traffic operations were used during the meetings

along with displays of the alternatives and anticipated travel pattern changes. **Project is suspended due to lack of funding**

17. Firm Experience:

Firm name	 BUCHART HORN ENGINEERS • ARCHITECTS • PLANNERS		Past Performance Evaluation Discipline(s)*	Planning, Traffic, Road, Env
Project name	I-10 at LA 73 (LA 74 to LA 621) Stage 0 Feasibility and Planning Study and Tiered Analysis		Firm responsibility (prime or sub?)	Prime
Project number	SP No. 4400005873/Task Order No. H.011160.1.1	Owner's name	Louisiana Department of Transportation and Development (LADOTD)	
Project location	Prairieville Geismar, LA		Owner's Project Manager	Hong Zhang, PE, PTOE
Owner's address, phone, email	1201 Capitol Access Road, Room 605Z, Baton Rouge, LA 70804.9245, 225 379 1421, Hong.Zhang@la.gov			
Services commenced by this firm (mm/yy)	08/17	Total consultant contract cost (\$1,000's)		\$194
Services completed by this firm (mm/yy)	10/18	Cost of consultant services provided by this firm (\$1,000's)		\$194

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

Firm's Role: As a Task Order under SP No. 4400005873, Buchart Horn performed a **Stage 0 Feasibility Study** with **Tiered Alternative Analysis** for I-10 at LA 73 in Prairieville, Louisiana. The project area also included the corridor of LA 73 (LA 74 to LA 621), along with several additional connector routes and realignments, in conjunction with the interchange. The project area in Ascension Parish has experienced significant congestion and safety issues due to substantial changes in population, land use developments, and a lack of access management. The study evaluated widening and interchange alternatives, along with several additional connectors to **improve traffic and safety operations** in the project area.

Firm Members Involved: James Q. Dickerson III, John Mettelle, Joseph F. Mingo

Tiered Alternative Analysis: The Tier 1 Analysis on interchange alternatives was completed to identify several high level alternatives. The alternatives were nominally evaluated **for safety/traffic operations, required ROW, environmental/social impacts, and cost**. The interchange alternatives were screened, taken into the

Tier 2 Analysis, incorporated into the greater study area, and a more **detailed traffic and safety analysis** was performed. A **crash data analysis** and a relative comparison of safety using the **Highway Safety Manual predictive methodology** was conducted using the IHSDM, and predicted crashes for each alternative were provided and summarized by roadway segments, intersections, ramps, and total project.

Concept Design Development: The alternatives were **designed**, incorporating all readily available information such as light detection and ranging, GIS base maps, utility information, aerial imagery, as-built plans, etc.

Stage 0 Documentation: Analysis results and information collected as a part of this study are documented in a manner consistent with the requirements of **NEPA, FHWA's Policy on Changes in Access to the Interstate System**, and all applicable **LADOTD Guidelines and EDSMs**. Stage 0 documentation including **Preliminary Scope and Budget and Environmental Checklists** was provided.




LA 73 at I-10 – Proposed Interchange Improvement Alternative

Relevant Services

- Stage 0 Feasibility Study
- Data Collection
- NEPA Requirements
- HSM Predictive Methods
- Tiered Alternative Analysis
- Roadway Design
- ROW Impact Assessment
- Construction Cost Estimates
- Traffic and Safety Analysis
- Stage 0 Documentation

17. Firm Experience:

Firm name			Past Performance Evaluation Discipline(s)*	Environmental
Project name	EA for Dijon Drive Extension: LA 3064 (Essen Lane) to LA 1248 (Bluebonnet Boulevard)		Firm responsibility (prime or sub?)	Prime
Project number	H.012233/H.012232	Owner's name	Capital Region Planning Commission (CRPC)	
Project location	East Baton Rouge, Louisiana		Owner's Project Manager	Jamie Setze
Owner's address, phone, email	333 North 19th St., Baton Rouge, Louisiana 70821, 225 383 5203, jsetze@brgov.com			
Services commenced by this firm (mm/yy)	09/15	Total consultant contract cost (\$1,000's)		\$2,300 (Est.)
Services completed by this firm (mm/yy)	03/17	Cost of consultant services provided by this firm (\$1,000's)		\$544

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

Firm's Role: Project Management, Environmental Inventory, **Environmental Assessment**, Air Quality Analysis, Noise Modeling, Schedule Expedition, **Agency Coordination**, **Stakeholder Outreach**, **Public Involvement**.

Firm Members Involved: Thomas Montz, Justin Maderia

The CRPC in cooperation with LADOTD proposed the Dijon Drive Extension. This new alignment roadway connecting Essen Lane (LA 3064) to the west and Bluebonnet Boulevard (LA 1248) to the east. The 1.25-mile extension was proposed as a four-lane roadway to be constructed in two phases. Phase 1 begins at Essen Lane and continues east approximately 0.65 miles to Midway Boulevard. Phase 2 begins at Midway Boulevard and continues east, terminating at Bluebonnet Boulevard. Proposed improvements included connections from the new Dijon Extension south to Summa Avenue along Mancuso Lane and south to Picardy Avenue along Midway Boulevard.

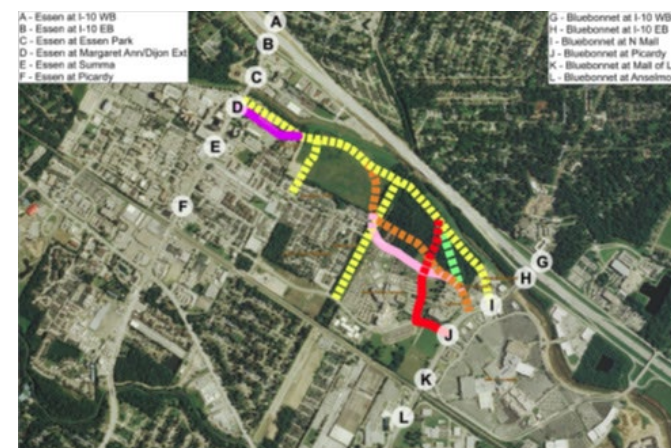
Proposed improvements were located within the Baton Rouge Health District, and the project was expedited to allow use of federal funds to construct the access road before opening the Our Lady of the Lake Children's Hospital in the fall of 2018. A **public meeting and a public hearing were held just 12 months apart** due to the aggressive schedule. In addition to the standard newspaper advertisement, Arcadis worked with CRPC to develop a list of interested parties to receive an invitation to the public meeting, including federal, state, and local agencies as well as emergency services. Post card invitations were mailed to residents and businesses within and adjacent to the project area for both meetings.

Traffic noise modeling was completed for existing, no-build and build conditions using Traffic Noise Model (TNM 2.5). Potential traffic noise impacts were identified based on the proposed alignment and feasibility of noise mitigation measure (barriers) including benefit-cost analysis. **Air quality analysis** included CO analysis using CAL3QHC and coordination on MSAT, PN2.5, and ozone analysis. The report also included a review of conformity to the National Ambient Air Quality Standards for ozone, nitrogen dioxide, sulfur dioxide, and lead.

The draft EA was submitted in November 2016, revised following the public hearing, and the FONSI was signed by FHWA for the Final EA within four months, in March of 2017.

Relevant Services

- **Key Challenges:** Aggressive seven-month NTP to FONSI schedule
- **Innovation & Best Practice:** Collaborative workshops with decision-makers to review technical information
- **Accomplishments:** Completed SOV, outreach, and public meeting within three months of NTP



17. Firm Experience:

Firm name	ARCADIS		Past Performance Evaluation Discipline(s)*	Road, Bridge, Environmental, Traffic
Project name	I-49 SEIS Richoc to Berwick		Firm responsibility (prime or sub?)	Prime
Project number	H.011328	Owner's name	Louisiana Department of Transportation and Development (LADOTD)	
Project location	St. Mary Parish, Louisiana		Owner's Project Manager	Corey Landry
Owner's address, phone, email	1201 Capitol Access Rd., Room 201E, Baton Rouge, Louisiana 70802, 225 379 1889, corey.landry@la.gov			
Services commenced by this firm (mm/yy)	02/17	Total consultant contract cost (\$1,000's)		\$2,593
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)		\$2,080

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

Firm's Role: Conceptual design, Alternatives development for National Environmental Policy Act (NEPA) compliance, Bridge and road line and grade analysis, wetland analysis, Socioeconomic/Environmental Justice, Visual imagery, Air and noise analysis/modeling; Phase I Environmental Site Assessments (ESA), Stakeholder/public outreach, Agency Coordination.

Firm Members Involved: Akhil Chauhan, Ari Deitch, David Fulks, Jason Morrell, Jan Hughes, Max Aguirre

Arcadis is preparing a Supplemental Environmental Impact Study (SEIS) for LADOTD along a 10-mile segment of Future I-49 South between Richoc and Berwick in St. Mary Parish. Previously, an Engineering Information Systems with Record of Decision (ROD) was completed for this section of future I-49. The scope of the SEIS is to *investigate other alternatives which will facilitate a more feasible and cost-effective solution for upgrading this section of roadway to interstate standards.*

Arcadis is currently evaluating alternatives within the Traffic Analysis phase of the project. This work has included geometric design, alternative evaluation, assessment of existing conditions, and evaluation of potential impacts of the alternatives being evaluated, in regard to such items as Right of Way, Social economic, Access Management, Local Connectivity, Railroad, Built environment, construction costs and others, as needed to fully determine the initial feasibility of alternatives being evaluated. Following the completion of the traffic phase, *Arcadis will proceed into a full Line and Grade/Conceptual design and Environmental Evaluation of the identified alternatives, including public, stakeholder, officials, and agency coordination/outreach.*

Arcadis services for this contract include *Line and Grade Study, Conceptual Design*, Alternatives Screening Analysis, Tier 1/Tier 2 Traffic Analysis, Air and Noise Analysis, Highway Safety Manual Analysis, *NEPA Environmental Evaluation*, Land Use/Social economics/Community Impacts, *Phase I ESA, Public and Stakeholder Outreach/Meetings, Agency Coordination*, Scope and Budget Development and Cost Analysis.

Relevant Services


- NEPA SEIS Environmental Documentation
- Wetlands and Other Waters Survey and Delineation
- Threatened and Endangered Species
- Permits Evaluation
- Phase I ESA
- Tier 1 and 2 Traffic Analysis
- Air and Noise Analysis
- Section 4(f) and 6(f)
- Public and Stakeholder Outreach/Meetings
- Agency Coordination
- Line and Grade Evaluation / Conceptual Design
- Cost Analysis



Figure 5: Potential Environmental Impacts (Wetlands and Prime Farmland).

Figure 5: Potential Environmental Impacts (Wetlands and Prime Farmland).
Note: Developed Parcels not considered Prime Farmland

17. Firm Experience:

Firm name			Past Performance Evaluation Discipline(s)*	Planning, Environmental, Traffic, Road, Bridge
Project name	US 11 Environmental Assessment		Firm responsibility (prime or sub?)	Prime
Project number	H.000688.2	Owner's name	Louisiana Department of Transportation and Development (LADOTD)	
Project location	St. Tammany Parish, LA		Owner's Project Manager	Sara Moss, PE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225 379 1133, sara.moss@la.gov			
Services commenced by this firm (mm/yy)	04/13	Total consultant contract cost (\$1,000's)		\$768
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)		\$716

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

Firm's Role: LADOTD contracted Arcadis and its sub-consultants to prepare an **Environmental Assessment** for the replacement of an historic railroad overpass and the upgrade of the existing undivided highway to a four-lane superstreet in Slidell, LA. The project goal was to promote mobility and safety along the corridor.

Firm Members Involved: **Akhil Chauhan, Thomas Montz, Ari Deitch, Badre Enam, David Fulks, Lauren Bolstad, Jan Hughes, Jason Morrell**

Traffic and Safety Improvements: Five existing intersections were reconfigured as either Restricted Crossing U-turn (RCUT) intersections or as median U-turn (MUT) intersections to eliminate side street left turns. The corridor was designed for WB-67 vehicles requiring that several loons and truck aprons be provided at U-turns. Vertical geometrics were designed for the main corridor as well as all side streets and a **3D design model was developed** to verify that construction limits were accurate, and that low ground clearance at railroad crossings was avoided.

Preliminary Roadway and Bridge Design: Arcadis performed all engineering services including **roadway and bridge line and grade and geometric design**, railroad track, ballast, and maintenance road design to evaluate clearance requirements with future planned rail additions, 3D design modeling of existing terrain, railroad full-build condition, and bridge and roadway typical sections and geometric layouts for improvements. Design drawings were used to accurately determine earthwork, construction limits, required right-of-way, and **construction cost estimates**.

Relevant Services

- Data Collection
- Traffic and Safety Analysis
- Alternative Screening
- Preliminary Roadway and Bridge Design
- Line and Grade
- Environmental Assessment
- Construction Cost Estimates
- Public Involvement
- Agency Coordination/Stakeholder Outreach

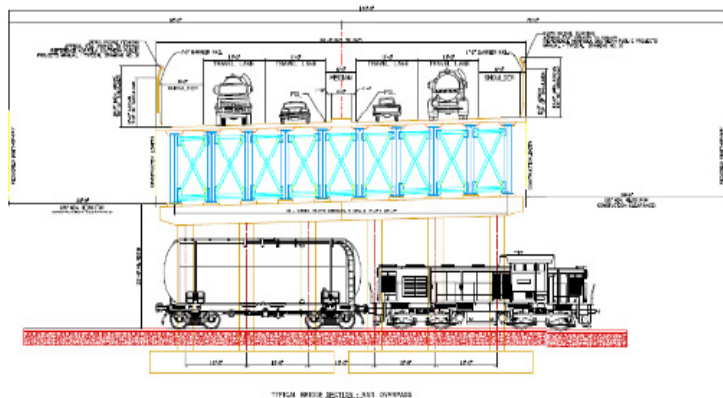



Figure: Proposed US 11 bridge typical section and railroad clearance.

Context Sensitive Design: The design includes **ADA compliant curb ramps and crosswalks** to incorporate the existing sidewalks and **accommodate pedestrian traffic**. Sufficient space was included within the roadway border for the future installation by the City of Slidell of a **multi-use path to accommodate bicyclists**. Finally, access to existing businesses was carefully balanced within the requirements of the **LADOTD Access Management Policy**.

Planning and Environmental: Arcadis completed **technical studies** to support the Environmental Assessment including wetlands and biological resource identification, Phase I Environmental Site Assessment, traffic noise and air quality analysis, socio-economic and community impact evaluation, and secondary and cumulative effects analysis. Additional studies and coordination completed for the project included a Phase I Cultural Resource Survey and Reporting and Public Involvement requiring public information meetings and a public hearing for the Environmental Assessment. The results of technical studies and public involvement were summarized in the Environmental Assessment to support a Finding of No Significant Impacts (FONSI).

FHWA approved the Finding of No Significant Impact (FONSI) for the project in August 2022 and Arcadis is working with DOTD to prepare the FONSI re-evaluation for FHWA approval.

17. Firm Experience:

Firm name			Past Performance Evaluation Discipline(s)*	Environmental, Road, Bridge, Planning, Traffic, Other
Project name	US 71/165 Fort Buhlow Bridge and Approaches		Firm responsibility (prime or sub?)	Prime
Project number	H.008273 700-28-0004	Owner's name	LADOTD	
Project location	Alexandria/Pineville, Louisiana		Owner's Project Manager	Joechim Umeozulu, PE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70804, (225) 379-1386, umeozulu@la.gov			
Services commenced by this firm (mm/yy)	09/95	Total consultant contract cost (\$1,000's)		\$ 9,400
Services completed by this firm (mm/yy)	06/13	Cost of consultant services provided by this firm (\$1,000's)		\$ 9,000

Firm Members Involved: Keith Rebello, Varaprasad Venkata, Barry McCoy

GEC served as the prime consultant for LADOTD to complete all project development activities for this Red River Bridge replacement project. Work efforts included *feasibility study, line and grade, traffic studies, Environmental Assessment (EA), preliminary and final bridge, roadway, and electrical plans, and construction support.*

GEC developed a traffic study and the Line and Grade Report, which involved the analysis of conceptual plans and sections for a new bridge spanning the Red River as well as general bridge plans for an overpass over the KCS Railroad. Alternate designs utilizing precast, pre-stressed concrete girder spans, steel girder spans, and segmental concrete box girder spans were developed. As a result of the traffic study, which showed a disparate traffic accident history at one location, GEC relocated a local roadway and intersection (Rainbow Drive). Based on the bridge study and in conjunction with LADOTD, a bridge configuration for final design was chosen.

GEC coordinated with all agencies and stakeholders, prepared solicitation of views, purpose and need, performed all environmental surveys, developed the environmental inventory, conducted public and stakeholder meetings, conducted a wetlands delineation, produced a wetlands findings report, developed mitigation measures, and prepared all permit drawings and applications including for USACE, The Red River Waterway Commission, USCG, and railroads. GEC also was responsible for Scenic Rivers Class B application, floral and faunal communities, threatened and endangered species surveys, Phase 1 ESA and coordination, archaeological and historical resources including Section 4(f) properties, and all other environmental resources. GEC *conducted a public meeting and public hearing, published the Final EA Report, and received a FONSI.*

The final bridge design consists of twin bridges, approximately 3,005-ft. long, crossing the Red River in the northbound and southbound directions of US 71/165. The final design uses a combination of Type BT pre-stressed girder spans, simple steel plate girder spans, and three-span continuous steel plate girder units spanning the Red River. The simple span steel girder bridge is 225-ft. long, has a girder web depth of 8-ft., and crosses an existing levee. The actual Red River Crossing is accomplished with the three continuous steel spans. In plan, girders transitioned from a parallel straight girder configuration to a curved splayed configuration.

Specially designed rocker bearings help accommodate bridge movements. The main river supports consist of column bent caps founded on single massive continuous piers supported by an array of 188-ft, 24" diameter steel pipe piles. In addition to preparing detailed construction documents for the Red River Bridge replacement project, GEC also provided construction support for the project. Construction of the Red River Bridge project at Fort Buhlow was completed successfully in 2013.

Relevant Services

- Environmental Assessment
- Line and Grade Study
- Feasibility Study
- Traffic Studies
- Preliminary and Final Bridge,
- Roadway and Electrical Plans
- Construction Support

GEC performed bridge feasibility, line and grade study, traffic study, and an Environmental Assessment complete with a FONSI (Finding of No Significant Impact) for this \$80 million project. Preliminary and final bridge and roadway plans were prepared and followed with construction engineering support during the construction phase.



17. Firm Experience:

Firm name	BH BUCHART HORN ENGINEERS - ARCHITECTS - PLANNERS		Past Performance Evaluation Discipline(s)*	Planning, Traffic, Road, Env
Project name	US 84 Improvements and Environmental Assessment		Firm responsibility (prime or sub?)	Prime
Project number	H.009153.2	Owner's name	Louisiana Department of Transportation and Development (LADOTD)	
Project location	Winnfield, LA		Owner's Project Manager	Catherine Mastine
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70804, 225.379.1232, catherine.mastin@la.gov			
Services commenced by this firm (mm/yy)	04/13	Total consultant contract cost (\$1,000's)		\$965
Services completed by this firm (mm/yy)	07/21	Cost of consultant services provided by this firm (\$1,000's)		\$541

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

Firm's Role: BH was tasked with the preparation of an **Environmental Assessment** in accordance with **National Environmental Protection Agency (NEPA)** and Federal Highway Administration (FHWA) regulations and guidelines for the proposed widening of US 84 in the Winnfield, LA area.

Firm Members Involved: James Q. Dickerson III, John Mettelle, Joseph F. Mingo, Cal Joy

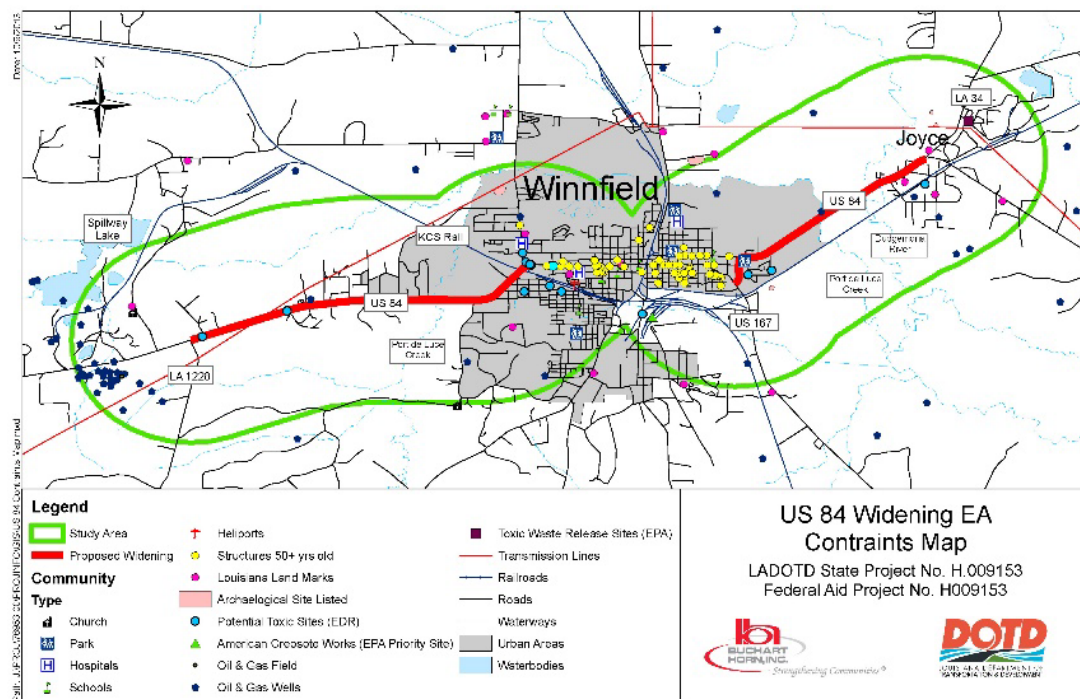
Tasks performed by BH to complete the environmental document included, but not limited to:

- **Line and grade study**
- Evaluation of archeological, cultural, social, economic, and environmental consequences
- Traffic study and modeling
- **Safety Analysis**
- Engineer's opinion of cost
- Public outreach
- Corridor preservation
- Cultural Resources
- Section 404
- Wetlands mitigation


Public outreach, stakeholders, and agencies meetings were held by BH in order to obtain comments on the proposed build alternatives. A combination of nine build alternatives were developed with **safety improvements** such as roundabouts, **access management**, and widening.

Relevant Services

- Environmental Assessment
- Traffic and Safety Analysis
- Roadway Design
- Cost and Impact Assessment
- Alternative Development / Analysis
- Public Involvement
- Agency Coordination



17. Firm Experience:

Firm name			Past Performance Evaluation Discipline(s)*	Environmental, Road
Project name	US 190 / Collins Boulevard Widening (LA 25 to US 190B)		Firm responsibility (prime or sub?)	Prime
Project number	H.004987	Owner's name	New Orleans Regional Planning Commission	
Project location	Covington, Louisiana		Owner's Project Manager	Jeff Roesel
Owner's address, phone, email	10 Veterans Blvd., New Orleans, LA, (504) 483-8528, jroesel@norpc.org			
Services commenced by this firm (mm/yy)	01/14	Total consultant contract cost (\$1,000's)		\$ 426
Services completed by this firm (mm/yy)	05/17	Cost of consultant services provided by this firm (\$1,000's)		\$ 426

Firm Members Involved: *Laura Carnes, Barry McCoy, Varaprasad Venkata, Keith Rebello*

GEC provided professional consulting services for an **Environmental Assessment (EA) with Findings of No Significant Impact (FONSI)**, and Line and Grade Study for the widening of US 190 in Covington in accordance with LADOTD, FHWA and NEPA standards. The project corridor spans approximately 2.7 miles and consisted of two travel lanes and a center turn lane from south of LA 25 to north of the two-lane US 190 bridge over the Bogue Falaya River in the south. The project corridor included 20 intersections, nine of which were signalized and 11 of which were unsignalized, and did not provide areas designated along the roadway for bicyclists and pedestrians. The purpose and need of the project was to widen the corridor to improve capacity, and reduce congestion and delays.

GEC provided **development of a Purpose and Need statement, agency coordination, Solicitation of Views, and prepared environmental documentation**. GEC staff obtained, organized, and reviewed engineering data including topographic, parish and state highway maps as well as aerial photography; reviewed existing traffic data, accident data, highway plans and other structural data, hydrologic and hydraulic data, utility information, previous studies and reports, existing survey data. GEC performed traffic impact analysis, collection of daily traffic counts, peak period traffic volumes, turning movements and vehicle data counts, crash data review, conceptual design; performed wetland delineations and permitting; preliminary quantities and cost estimates; preparation of final report and recommendations. Our staff developed, evaluated and analyzed two alternative alignments, and **established roadway; geometry and bridge design criteria; bridge structure sections; and intersection/interchange layouts**. GEC facilitated all public outreach activities including

public meetings, public hearing, and stakeholder and agency outreach. The environmental assessment was approved and LADOTD and FHWA issued a FONSI.

The alternatives evaluated will widen the roadway to include four 12-ft. travel lanes separated by a 26-ft.-wide median. A 7-ft. wide paved shoulder and a curb and gutter

located along both sides of the roadway. The US 190 bridge over the Bogue Falaya River was proposed to be widened to four travel lanes, with a section of the roadway between the bridge and LA 437 to include five 12-ft. travel lanes to extend a right turn lane onto LA 437. Ten roundabouts replaced signalized intersections to facilitate traffic flow. A multi-use pedestrian/bicycle path was proposed along the project corridor from LA 25 to the existing Tammany Trace where it crosses the Bogue Falaya River.

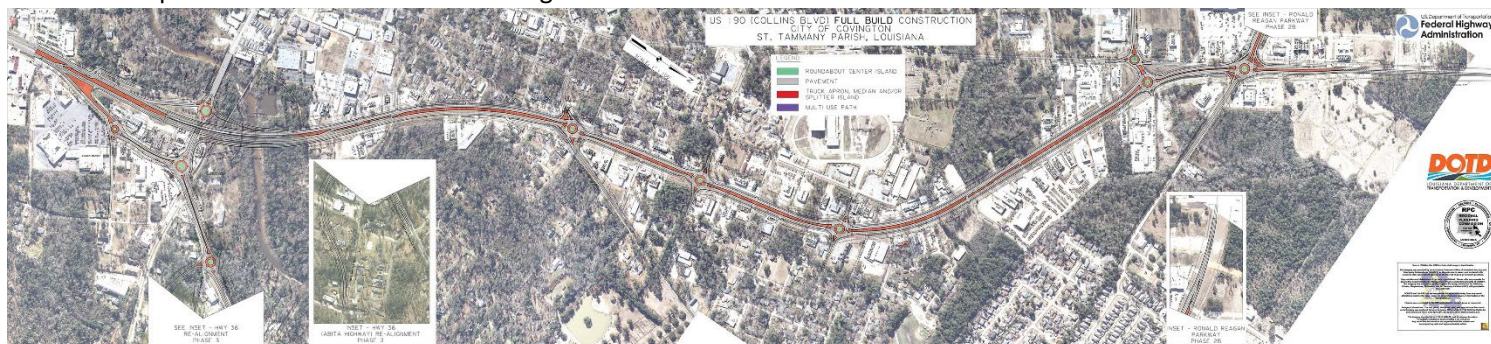
Relevant Services

- Environmental Impact Assessment
- Line Grade Study
- FONSI
- Agency Coordination
- Solicitation of Views
- Environmental Documentation


EVALUATION NARRATIVES FROM THE LADOTD PROJECT MANAGER:

"NEPA document quality was very good and approved by FHWA without substantive comments or additions. Jeff Robinson and his group at GEC worked through numerous project changes and timeline starts and stops with a "can-do" attitude. GEC handled and coordinated issues that arose, including changes in right-of-way requirements and additional landowner outreach. Excellent coordination with DOTD Environmental."

"Barry McCoy of GEC has exceptional knowledge of procedures for field surveys and needs little to no guidance from DOTD. Submittals required no major edits prior to submittal to regulatory agencies."



17. Firm Experience:

Firm name			Past Performance Evaluation Discipline(s)*	Environmental, Planning, Road
Project name	US Hwy 11 Widening (Lake Pontchartrain – Spartan Drive) Environmental Assessment		Firm responsibility (prime or sub?)	Prime
Project number	H.004983	Owner’s name	New Orleans Regional Planning Commission	
Project location	Slidell, Louisiana		Owner’s Project Manager	Jeff Roesel
Owner’s address, phone, email		10 Veterans Blvd., New Orleans, LA, (504) 483-8528, jroesel@norpc.org		
Services commenced by this firm (mm/yy)		01/14	Total consultant contract cost (\$1,000’s)	\$ 321
Services completed by this firm (mm/yy)		05/16	Cost of consultant services provided by this firm (\$1,000’s)	\$ 321

Firm's Role: GEC prepared an Environmental Assessment (EA), Line and Grade Study, Environmental Checklist, Summary of Mitigation and Permitting, Finding of No Significant Impact (FONSI) and related documents for the widening of US 11 from Lake Pontchartrain to Spartan Drive in Slidell, a distance of approximately 2.8 miles.

Firm Members Involved: Laura Carnes, Barry McCoy, Jerome Lohmann

EA documents prepared were in accordance with LADOTD, FHWA, and NEPA standards and included line and grade plans comprising geometric design, preliminary horizontal and vertical alignment, typical sections and drainage plans. Through the studies, it was determined US 11 experienced considerable congestion, poor operational conditions, and did not provide areas designated for bicyclists or pedestrian access. The purpose of the project was to increase capacity and decrease congestion along the designated corridor.

GEC performed *corridor surveys, collected accident data, traffic counts and signalized intersection inventories, and performed signal timing/optimization studies*. GEC performed an alternatives analysis and a Line and Grade Study and developed four alternatives, which was narrowed down to two alternatives for further consideration in the EA report, including two 12-ft. travel lanes, 10-ft. paved shoulders, curbs and gutters, and bicycle facilities. The proposed travel lanes were separated by a combination of raised medians with U-turns and new access management features implemented at intersections to facilitate traffic flow. GEC's design included two roundabouts at Carr Drive and Eden Isles Drive. The project also incorporated construction plan development to raise U.S. Hwy. 11 approximately 10-ft. at its intersection with a flood protection levee.

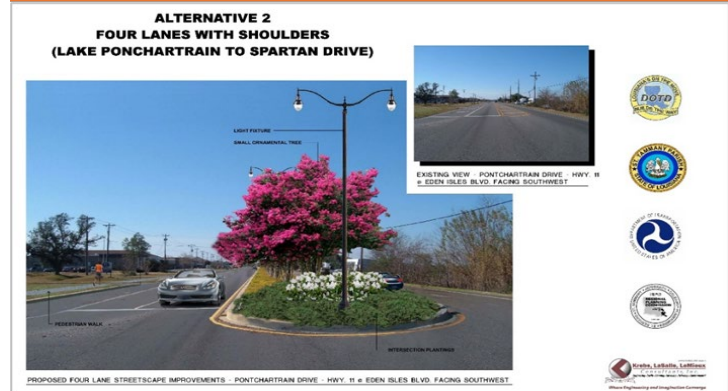
GEC performed bridge feasibility, line and grade study, traffic study, and an Environmental Assessment complete with a FONSI (Finding of No Significant Impact) for this \$80 million project. Preliminary and final bridge and roadway plans were prepared and followed with construction engineering support during the construction phase.

GEC performed all environmental surveys, environmental inventory, performed a Phase I Environmental Site Assessment, conducted a wetlands delineation and threatened and endangered species survey and report, produced a wetlands findings report, developed mitigation measures, and prepared all permit drawings and applications. The Big Branch Marsh National Wildlife Refuge was located within 0.25-miles of the project and was considered a Section 4(f) Resource. GEC ***maintained communication with SHPO and LDWF throughout the project and was able to avoid any impacts to the Section 4(f) property.*** The final report addressed wetlands mitigation and permitting, land use and community character, economic activities, historic, cultural, and recreational resources, Sections 4(f) and 6(f), noise and air impacts, floodplains, farmland, demographics and environmental justice, relocations of homes and businesses, contaminated sites and required permits, and endangered or threatened species and their habitat. GEC coordinated all stakeholder and public outreach activities, including developing the purpose and need statement, performing agency coordination, developing Solicitation of Views, ***and hosting two public meetings and a public hearing.***


Relevant Services

- Environmental Impact Assessment
- Line Grade Study
- Environmental Checklist
- Mitigation and Permitting
- FONSI

GEC evaluated the impacts to land use, socioeconomic, relocations, demographics, environmental justice, cultural resources, social resources, wildlife, WRP, floodplains, coastal resources, essential fish habitat, waterways, farmland, air, noise, hazardous materials, travel patterns, construction, indirect impacts and cumulative impacts.



17. Firm Experience:

Firm name			Past Performance Evaluation Discipline(s)*	Environmental
Project name	I-12 to Bush Wetland Jurisdictional Determination Update		Firm responsibility (prime or sub?)	Prime
Project number	H.004985, T.O. 4400004620	Owner's name	Louisiana Department of Transportation and Development (LADOTD)	
Project location	St. Tammany Parish, Louisiana		Owner's Project Manager	Noel Ardoin
Owner's address, phone, email	1201 Capitol Access Road (P.O. Box 94245), Baton Rouge, LA 70804 (225) 242-4501; Noel.Ardoin@la.gov			
Services commenced by this firm (mm/yy)	02/13	Total consultant contract cost (\$1,000's)		\$347.6
Services completed by this firm (mm/yy)	12/19	Cost of consultant services provided by this firm (\$1,000's)		\$347.6

Firm Members Involved: Howard Nass & Josh McEnany

GSRC was tasked to identify wetland mitigation opportunities for the I-12 to Bush roadway corridor in St. Tammany Parish, Louisiana. Properties of sufficient size and appropriate habitat type were identified in the watershed, and GSRC communicated with landowners to determine if properties were available for mitigation use. GSRC coordinated with **LADOTD, USFWS, USACE, the Louisiana Department of Wildlife and Fisheries, and the U.S. Environmental Protection Agency**. A total of five properties were recommended as potential mitigation sites.

As part of the project, **GSRC completed a wetland jurisdictional determination** update for the I-12 to Bush roadway corridor. The project corridor is approximately 19.5 miles long by 250 feet wide or approximately 600 acres. The project involved an evaluation of the original wetland jurisdictional determination to determine if the data and information in the original wetlands finding report were still valid. The project area consisted of a mix of bottomland hardwood forest, cypress/tupelo swamp, pine plantation, and disturbed riparian habitat. Field investigations were conducted to update the presence and extent of previously identified jurisdictional wetlands in the project area. The site was traversed using meandering pedestrian transects. Sample plots were established within each vegetation community. **Wetland delineation data forms, containing information regarding the presence or absence of hydric soils, hydrophytic vegetation, and wetland hydrology sufficient to support the establishment of a wetland boundary**, were completed for the project area.


During the examination of the original data and maps, GSRC identified data gaps that could potentially change the original determination. GSRC collected additional field data along the corridor in addition to revisiting the original sample points. Additionally, GSRC prepared wetland findings report and updated wetland map for submittal to the USACE, New Orleans District. The wetland findings report classified each potential jurisdictional determination in detail for use in determining mitigation requirements.

Relevant Services

- Wetland Jurisdictional Determination Update



17. Firm Experience:

Firm name			Past Performance Evaluation Discipline(s)*	Environmental, Road
Project name	Environmental Impact Statement, I-69 Corridor		Firm responsibility (prime or sub?)	Sub
Project number	H.005184; STP 700-94-0003; FAP HPI-69-1(001)	Owner's name	Louisiana Department of Transportation and Development (LADOTD)	
Project location	Bossier and Caddo Parishes, LA		Owner's Project Manager	Ryan Reviere, P.E.
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70804			
Services commenced by this firm (mm/yy)	07/07	Total consultant contract cost (\$1,000's)		\$ 834
Services completed by this firm (mm/yy)	01/16	Cost of consultant services provided by this firm (\$1,000's)		\$ 834

Firm Members Involved: John Lindemuth

GSRC completed the archaeological component of the STP 700-94-0003, Route I-69, US 171 to I-20 EIS in Bossier, Caddo, and Desoto Parishes. GSRC carried out archaeological and historical background research, a standing structure survey, and a Phase I cultural resources survey of the Study Area, Preferred Corridor, Draft EIS Preferred Alignment, Selected Alignment, and Frontage Road for the Proposed I-69, Section of Independent Utility (SIU) 15 Project in DeSoto, Caddo, and Bossier Parishes, Louisiana.

The development of alternatives for the I-69 SIU 15 Project followed a multi-step study consisting of Study Area, Corridor Study, and Alignment Study. As part of this effort GSRC personnel conducted an archival and **literature review of the existing cultural resources information available from both state and Federal databases and files**. The background research identified all previously recorded archaeological sites and aboveground resources within a broad Study Area.

The Corridor Study involved the development of seven distinct corridors within the Study Area. Corridor development was accomplished by **environmental inventory mapping utilizing GIS as a guide to avoid and minimize impacts on sensitive resources, including known cultural resources**, and with consideration of appropriate engineering design criteria and local community leaders' concerns. A Preferred Corridor, composed of a combination of the corridors studied, was identified that provided the best opportunity to develop highway alignments that would avoid or minimize impacts on the social, natural, and cultural environments. The Preferred Corridor was approximately 2,000 feet wide and was chosen for a standing structure survey. GSRC personnel conducted the windshield/reconnaissance standing structure survey in April 2003. Using current U.S. Geological Survey (USGS) topographic maps as a guide, efforts were made to locate, identify, record, and evaluate all 50-year-old or older buildings, structures, objects, and districts, based on the National Register Criteria (36 CFR § 60.4) for evaluating the significance of properties.

A total of 136 buildings were located and documented with photographs. Louisiana Historic Resource Inventory Forms indicating the location and a recommendation of significance, as well as photographs, were prepared for each building. Five of the structures were recommended as a potentially eligible NRHP district comprising the Palmetto Plantation. The information collected during the standing structure survey was used in the Alignment Study.


From these six alignments a Draft EIS Preferred Alignment and Selected Alignment and Frontage Road were chosen. An **intensive pedestrian archaeological** survey supplemented by shovel testing was conducted on the Draft EIS Preferred Alignment, Selected Alignment, and Frontage Road. A total of 1,728 acres were surveyed and 36 sites and six isolated finds were located during the intensive archaeological survey of the Draft EIS Preferred Alignment, Selected Alignment, and Frontage Road. Of the 36 recorded sites, three represented prehistoric sites, 28 were historic sites, and five were multicomponent sites with both prehistoric and historic components. One of the sites, 16BO582, was considered to be potentially eligible for inclusion in the NRHP and further work was recommended to determine its NRHP eligibility status..

Relevant Services

- Archaeological and historical background research
- Historic Structure Survey and Inventory Forms
- Phase 1 Cultural Resources Survey



17. Firm Experience:

Firm name			Past Performance Evaluation Discipline(s)*	Environmental
Project name	Environmental Assessment for the North Sherwood Forest Drive Widening Project		Firm responsibility (prime or sub?)	Sub
Project number	STP 700-30-0246; FAP STP-8020(025)	Owner's name	LADOTD / PEC	
Project location	East Baton Rouge Parish, Louisiana		Owner's Project Manager	Gerald Babin
Owner's address, phone, email	7600 Innovation Park Drive, Baton Rouge, LA 70820 225-769-2810 gbabin@pecla.com			
Services commenced by this firm (mm/yy)	01/03	Total consultant contract cost (\$1,000's)		\$140
Services completed by this firm (mm/yy)	10/11	Cost of consultant services provided by this firm (\$1,000's)		\$140

Firm Members Involved: Howard Nass, Josh McEnany, John Lindemuth


Gulf South Research Corporation (GSRC) was tasked to prepare an EA for LA DOTD on behalf of East Baton Rouge City/Parish government. The EA addressed the potential for significant adverse or beneficial environmental impacts of the improvement of North Sherwood Forest Drive between South Choctaw Drive and Greenwell Springs Road in East Baton Rouge Parish, Louisiana and was prepared in accordance with the **National Environmental Policy Act (NEPA)** of 1969, the President's Council on Environmental Quality Regulations for the implementation of NEPA, and Federal Highway Administration policy codified at 23 Code of Federal Regulation (CFR) 771.

The EA described the purpose and need of the Proposed Action, existing conditions of the human and natural environment with the project corridor, the anticipated impacts that would result from implementation of the Proposed Action, and the No Action Alternative. The road improvements include widening the existing two-lane roadway section to a five-lane urban concrete section with subsurface drainage. The project begins at North Sherwood Forest Drive at the north edge of the pavement along Choctaw Drive (westbound lanes) and proceeds northerly along North Sherwood Forest Drive for approximately 1.43 miles and terminates at North Sherwood Forest Drive and Greenwell Springs Road. Sidewalks are also included as part of the roadway improvements. The road improvements would increase traffic capacity, improve drainage, and provide pedestrian access.



In preparing the EA, GSRC conducted a **wetland delineation, biological resources surveys, traffic noise analysis, air emissions analysis, and Section 4(f) and 6(f) resources analysis**. Both **Section 4(f) and 6(f)** lands are located adjacent to North Sherwood Drive and would be converted to roadway right-of-way as a result of the road improvement project. Approximately 0.54 acre of Section 4(f) lands and 0.15 acre of Section 6(f) lands would be converted to roadway right-of-way. These lands are associated with an East Baton Rouge Parish Park bisected by the existing roadway.

Through coordination with the Recreation and Park Commission of East Baton Rouge Parish and development of mitigation measures, it was determined that the road improvement project would not adversely affect the activities, features, and attributes that qualify the park for protection under Section 4(f) and the project meets the de minimis 4(f) impact criteria established by Federal Highway Administration. Additionally, the conversion of 0.15 acre of Section 6(f) lands to roadway right-of-way would follow the requirements of the Land and Water Conservation Fund. During the right-of-way acquisition process, a "Conversion of Use" application would be submitted to Louisiana Office of State Parks and the "Conversion of Use" process would be completed prior to the initiation of construction.

Firm name	 THE LAKVOLD GROUP <small>Commercial Real Estate Appraisers</small> <small>1111 Poydras Street, Suite 2000, New Orleans, LA 70112</small> <small>Phone: (504) 581-1111 Fax: (504) 581-1112 Email: info@lakvold.com</small>		Past Performance Evaluation Discipline(s)*	Other (Real Estate)
Project name	Interstate 10/Loyola Interchange Improvements		Firm responsibility (prime or sub?)	Subconsultant
Project number	H.011670	Owner's name	CSRS, Inc.	
Project location	Jefferson Parish, Louisiana		Owner's Project Manager	Joe Earls
Owner's address, phone, email	6767 Perkins Road, Baton Rouge, Louisiana 70808; 225 769 0546; joseph.earls@csrsinc.com			
Services commenced by this firm (mm/yy)	05/19	Total consultant contract cost (\$1,000's)		Unknown
Services completed by this firm (mm/yy)	08/19	Cost of consultant services provided by this firm (\$1,000's)		\$17,400

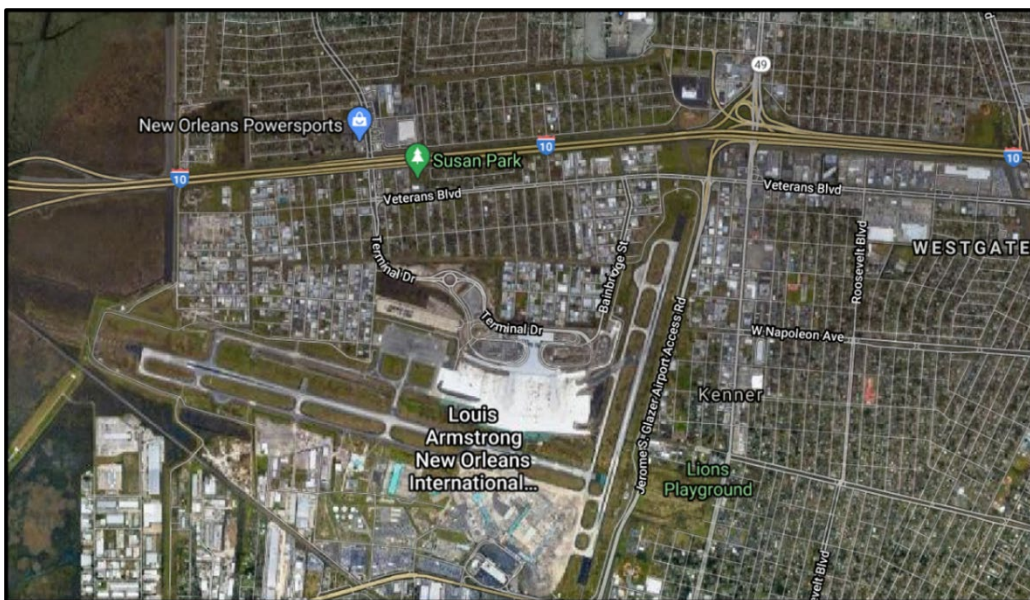
Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)

Firm Members Involved: Angela Lemoine-Lakvold


Firm's Role: Complete **Conceptual Stage Relocation** Plan based on various alternatives. Project tasks included viewing the project area and research of the market area and real estate transactions and available real estate inventory. The completed document for review and inclusion in the **Environmental Assessment** was provided. Completed an appraisal on the Red Roof Inn for an advanced acquisition for construction of the project. The tasks included meeting with property owner, cost consultant and project managers. Analysis and research of the real estate market and completion of individual appraisal on the property were also completed.

Relevant Services

- Completed Conceptual Stage Relocation Plan
- Completed Appraisal for Advanced Acquisition



17. Firm Experience:

Firm name	 THE LAKVOLD GROUP <small>Commercial Real Estate Appraisers</small> <small>1100 Poydras Street, Suite 2000, New Orleans, LA 70112</small> <small>504.581.1100 • Fax 504.581.1101 • www.lakvold.com</small>		Past Performance Evaluation Discipline(s)*	Other (Real Estate)
Project name	US 90 (Future I-49) La 318 Interchange		Firm responsibility (prime or sub?)	Subconsultant
Project number	H.004932	Owner's name	Stantec Consulting Ltd.	
Project location	St. Mary Parish, Louisiana		Owner's Project Manager	Cindy Hall
Owner's address, phone, email	1200 Brickyard Lane, Suite 400, Baton Rouge, LA; 225 765 7400; cindy.hall@stantec.com			
Services commenced by this firm (mm/yy)	01/16	Total consultant contract cost (\$1,000's)		Unknown
Services completed by this firm (mm/yy)	07/16	Cost of consultant services provided by this firm (\$1,000's)		\$23,200

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

Firm Members Involved: Angela Lemoine-Lakvold

Firm's Role: Completed appraisals for the acquisition of the right-of-way for the construction of the project.

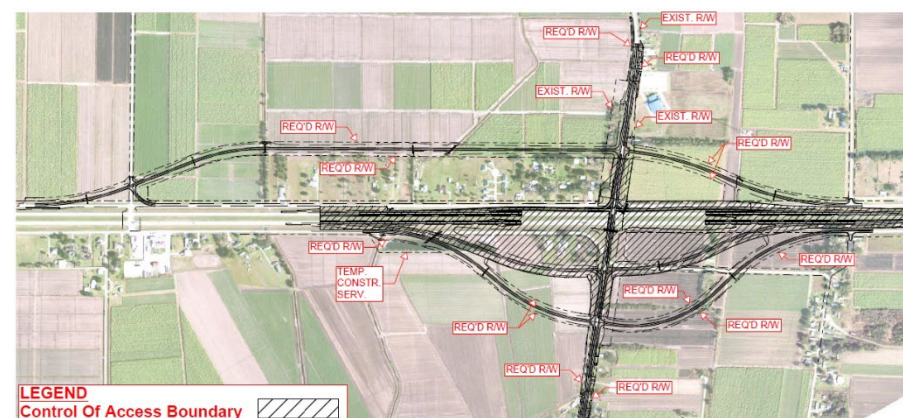
Project Management and Final Transportation Study Deliverables: These tasks included meeting with property owners, cost consultants, and project managers.

Analysis and research of the real estate market and completion of individual appraisals on the various parcels. Additionally, the Conceptual Stage Relocation Report for review and inclusion in the Environmental Assessment.

Completed Conceptual Stage Relocation Plan based on various alternatives. The plan included viewing the projects area, analyzing real estate impacts, determining potential relocations, researching the market area and real estate inventory.

Relevant Services

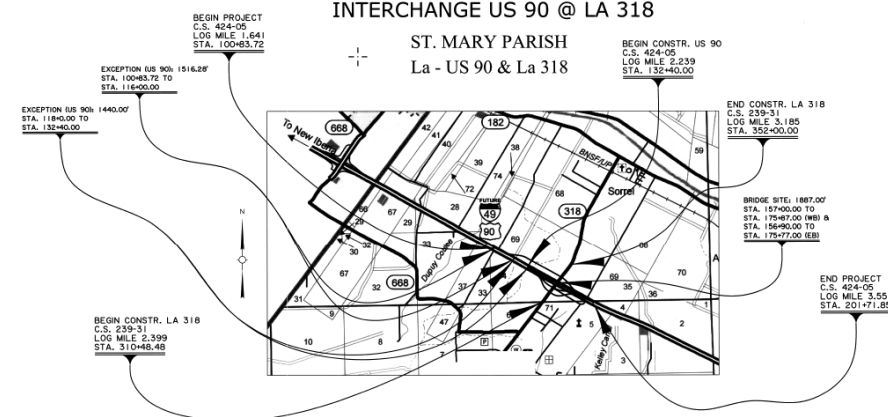
- Completed Conceptual Stage Relocation Plan




STATE PROJECT NO. H.004932

INTERCHANGE US 90 @ LA 318

ST. MARY PARISH
La - US 90 & La 318



17. Firm Experience:

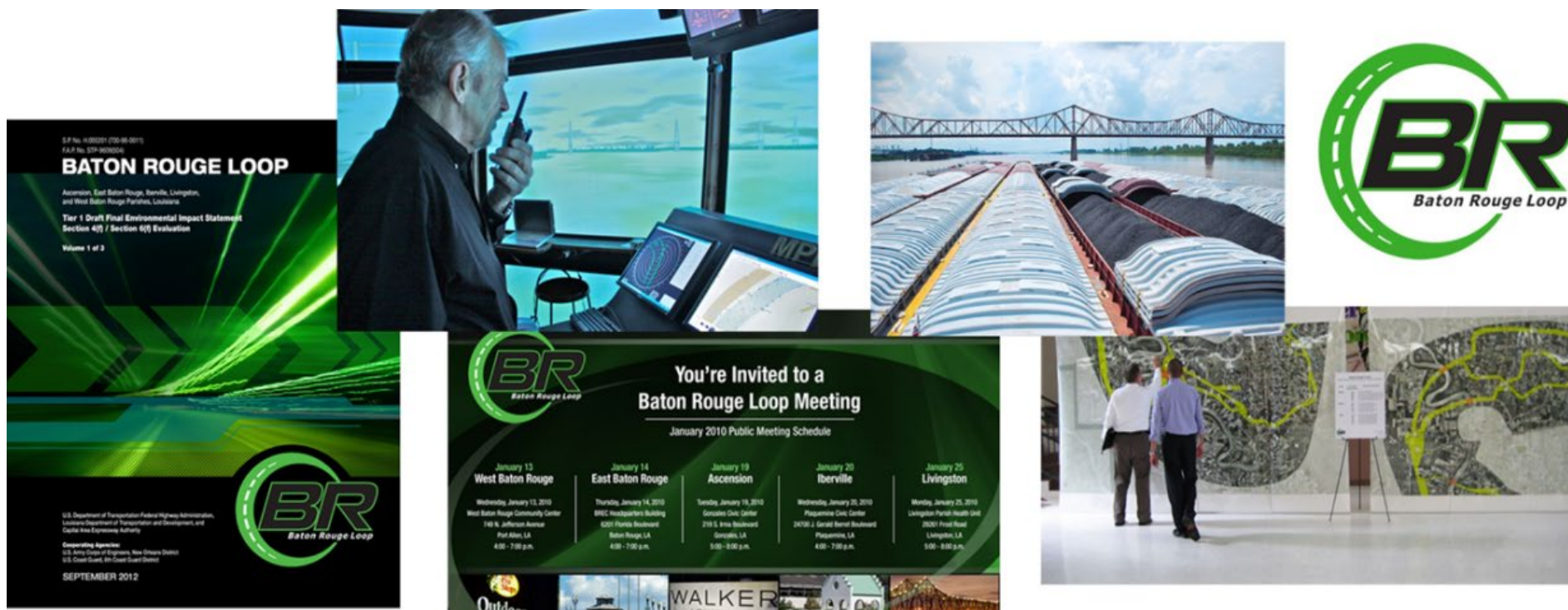
Firm name	 MARMILLION/GRAY MEDIA		Past Performance Evaluation Discipline(s)*	Bridge, Road, Traffic, Environmental
Project name	Baton Rouge Loop Tier 1 EIS		Firm responsibility (prime or sub?)	Sub
Project number	CAEA No.: E-2009-001	Owner's name	East Baton Rouge Parish/Capital Area Expressway Authority	
Project location	Capital Region (5 parishes)		Owner's Project Manager	Bryan Harmon (retired, EBR DPW)
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225 242 4514, peggy.paine@la.gov			
Services commenced by this firm (mm/yy)	02/09	Total consultant contract cost (\$1,000's)		N/A
Services completed by this firm (mm/yy)	03/16	Cost of consultant services provided by this firm (\$1,000's)		\$ 291

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


Firm's Role: Lead for public outreach, media relations, stakeholder engagement, communications.

Firm Members Involved: Rannah Gray, Sarah Powell

Provided public involvement services for the Baton Rouge Loop project throughout the five Capital Region parishes including **stakeholder and advisory committee coordination; media relations**; database management; production of **project newsletters, videos and presentations; managing public meetings, hearings and comment periods**. Assisted with ongoing elected official briefings, and presentations to the Capital Region legislative delegation, stakeholders, advocacy groups and the FHWA. The project included the study of potential Mississippi River crossings.



17. Firm Experience:

Firm name			Past Performance Evaluation Discipline(s)*	Bridge, Road, Traffic, Environmental
Project name	MOVEBR Program Management Services		Firm responsibility (prime or sub?)	Sub
Project number	19-CS-HC-0005	Owner's name	East Baton Rouge Parish	
Project location	East Baton Rouge Parish		Owner's Project Manager	Fred Raiford
Owner's address, phone, email	P.O. Box 1471, Baton Rouge, LA 70821; (225) 389-3158; fraiford@brla.gov			
Services commenced by this firm (mm/yy)	07/09	Total consultant contract cost (\$1,000's)		\$ 5602
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)		\$ 420 to date

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

Firm's Role: Lead for public outreach, media relations, stakeholder engagement, communications.

Firm Members Involved: Rannah Gray, Sarah Powell, Ashley Powell


Rannah Gray serves as the Communications Workgroup lead and co-lead of the Public Outreach Workgroup for the MOVEBR program. She manages communications, website design, social media and digital advertising. Marmillion/Gray Media coordinated communications for the program kick-off, designed the program logo, wrote a detailed **Communications Plan**, coordinates media outreach, newsletter production and coordination of **public meetings and outreach** for the community enhancement, improvement of existing corridors and traffic management projects. Rannah Gray is the Communications lead, Sarah Powell provides graphic design and videography for the MOVEBR program and Ashley Powell provides graphic design and outreach support.

Relevant Services

- Communications
- Media Relations
- Public Meetings
- Stakeholder Engagement
- Website and social media management



17. Firm Experience:

Firm name	 MARMILLION/GRAY MEDIA		Past Performance Evaluation Discipline(s)*	Bridge, Road, Traffic, Environmental
Project name	Nicholson Corridor High-Capacity Transit System		Firm responsibility (prime or sub?)	Sub
Project number	16-CI-US-0032	Owner's name	East Baton Rouge Parish	
Project location	East Baton Rouge Parish		Owner's Project Manager	Stephen Bonnette (retired, EBR DPW)
Owner's address, phone, email	P.O. Box 1471, Baton Rouge, LA 70821; (225) 389-3158; fraiford@brla.gov			
Services commenced by this firm (mm/yy)	09/16	Total consultant contract cost (\$1,000's)		N/A
Services completed by this firm (mm/yy)	12/16	Cost of consultant services provided by this firm (\$1,000's)		\$ 138

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

Firm's Role: Lead for public outreach, media relations, stakeholder engagement, communications.

Firm Members Involved: Rannah Gray, Sarah Powell


TramLinkBR, a proposed modern streetcar system was introduced to Baton Rouge with *creative branding, realistic renderings, media outreach, website development, stakeholder outreach and informative public meetings. Marmillion/Gray Media worked with the prime consultants to conform with FTA and NEPA process requirements* and assisted in conducting a site visit to Kansas City for East Baton Rouge Parish elected officials. After reviewing the Environmental Assessment document and its supporting documentation, the Federal Transit Administration issued a Finding of No Significant Impact (FONSI) for this project on July 29, 2016. Our firm has continued working with the prime consultants and the current administration on a feasibility study to convert this project to a more flexible and economical bus-rapid-transit line.

Relevant Services

- Public Involvement and Outreach
- Media Relations
- Public Meetings
- Stakeholder Engagement
- Local elected official outreach and coordination
- Website Management

The Federal Transit Administration (FTA) named the TramLinkBR project the 2017 winner of its Outstanding Achievement Award for Excellence in Environmental Document Preparation.



Firm name	 SJB GROUP, LLC <small>QUALITY BY DESIGN</small>		Past Performance Evaluation Discipline(s)*	Survey, Other
Project name	Hooper Road Widening (LA 3034-LA 37)		Firm responsibility (prime or sub?)	Prime
Project number	H.009300.5	Owner's name	Louisiana Department of Transportation and Development	
Project location	East Baton Rouge Parish, Louisiana		Owner's Project Manager	Steve LeBlanc
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802; (225) 379-1292; Steve.LeBlanc2@LA.gov			
Services commenced by this firm (mm/yy)	3/22	Total consultant contract cost (\$1,000's)		\$201.1
Services completed by this firm (mm/yy)	9/22	Cost of consultant services provided by this firm (\$1,000's)		\$201.1

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

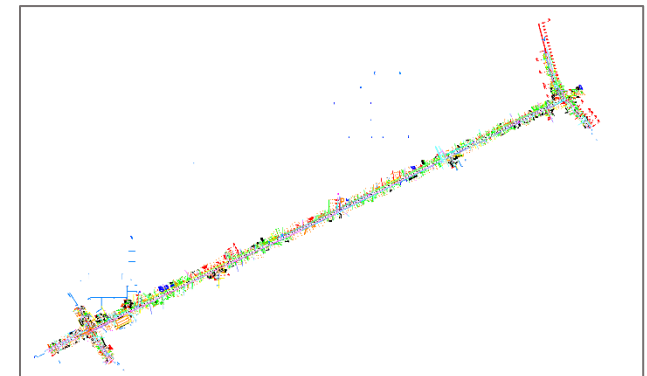
Team Members Involved: Matthew Estopinal, Karen Kennedy, Austin LaCombe, Tyler Foster

Firm's Responsibilities: Topographic Survey, SUE Quality Level "D", SUE Quality Level "C", SUE Quality Level "B"

SJB Group has performed several iterations of topographic survey and subsurface utility engineering (SUE) for LA DOTD for the Hooper Road widening project. This submittal included the segment of Hooper Road from Sullivan Road (LA 3034) to Greenwell Springs Road (LA 37).

A complete **topographic survey including all utilities with depths, all drainage, and finish floor elevations** of all buildings that fell within the limits was completed in accordance with the Location and Survey Manual and all currently accepted Location and Survey Automation procedures.

The project also required ASCE 38-02 Quality Level "D", "C", and "B" services throughout portions of the project limits. **Utilities included water, gas, telephone, cable, and fiber optic.** Above ground topographic features were surveyed by SJB Group. This information and the utility records were used to complete the drawings prepared in accordance with ASCE 38-02 standards. Engineering judgement was used to correlate records and above ground surveyed features. Due to the iterations of the project, additional utility records were analyzed to determine new utilities installed along the roadway to be added to the previous records and plans.



"The consultant has been overly prepared for kickoff and all intermediate meetings while providing documentation for all decisions made. Arcadis has completed all required data collection and analysis in a timely and organized manner. All analyses submittals have been clear and easy to read/understand with all assumptions stated. Additionally, the consultant realized that due to the complexity of this particular corridor, VISSIM had to be used to analyze the existing no build and future conditions. With that, Arcadis analyzed the LA 3105 study area in VISSIM at no extra charge. Any concerns/comments DOTD may have had were efficiently addressed. Arcadis has provided alternatives that are constructible and make sense. The consultant came over prepared for the Stakeholder and Public meeting. The presentation boards, conceptual alternative layouts, and VISSIM video for the public meeting expertly explained all of the essential points of the study clearly and effectively."

Czarina Patolilic, LADOTD Project Manager, LA 3105 Feasibility Study

Sections 18-19

**Tight Urban Diamond Interchange
(TUDI) on I-10 at LA 429 rendering based
on Arcadis' Tier 1 Traffic Alternative
Analysis**

18. Approach and Methodology:



The LA 429 Connector Team led by Arcadis brings past experience and unparalleled knowledge of the LA 429 Connector and its unique challenges to advance the project through the Stage 1 Environmental Study. Arcadis completed a Preliminary Tier 1 Analysis for the LA 429 Connector in 2019 (H.003771.2) and our partner, Bucharthorn, completed the

Stage 0 Feasibility Study (H.012311.1) in October 2020, laying the groundwork for Stage 1.

We spoke with the LADOTD PM Kurt Brauner and understand that the LA 429 Connector is closely tied to the proposed I-10 at LA 74 Interchange due to proximity (approx. 1.2 miles apart). Both projects will be managed by the same DOTD PM and move through the Stage 1 Environmental Process concurrently. Close coordination between the selected teams will be required to deliver the projects efficiently. We will tailor our delivery schedule for the LA 429 Connector to match that of the I-10 at LA 74 Interchange. Our approach involves actively collaborating with the I-10 at LA 74 Interchange team through quarterly meetings to coordinate project delivery schedules and milestones.

The preliminary purpose and need identified in the Stage 0 is to reduce congestion and improve operation of I-10 interchanges and state highways in Ascension Parish. Existing interchanges and parallel routes in the vicinity are over capacity due to increased development and the I-10 mainline traffic is expected to increase by 32% in future year 2040. A secondary objective is to reduce commercial traffic on LA 30 traveling to/from industrial facilities near the Mississippi River by providing a direct connection to those facilities with access management. Commercial vehicles currently use the existing LA 30 or LA 73 interchanges on I-10 resulting in congestion, delays, network saturation, and operational deficiencies.

Diverting traffic from the existing LA 30 and LA 73 interchanges via a new interchange at LA 429 with a new alignment connection to LA 30 (LA 429 Connector) is a central component of the project. **The Arcadis Team understands that control of access is a primary concern for the LA 429 Connector due to anticipated development spurred by the new connector road.** In addition to the alternatives advanced in the Stage 0 Study, a semi-control of access alternatives included in the advertisement will be evaluated.

Project Management. The Project Management Team will develop, maintain, and update the delivery schedule monthly in coordination with the Project Manager. Our goal is to complete the scope of services within 3 years of NTP. Our Management Team will help achieve this goal by identifying and monitoring critical path tasks and reducing task float times.

A Project Management Plan (PMP) will be developed in accordance with Federal Highway Administration (FHWA) Project Management Plan Guidance and the DOTD Project Delivery Manual. The PMP will contain project team roles and responsibilities, communication plan and protocols, meeting records, invoice status, progress reports, and deliverable schedules. A deliverables matrix identifying all required deliverables, responsible parties, and delivery dates will be developed and updated throughout the project lifecycle. A Quality Management Plan (QMP) will also be developed that governs the review process for ensuring deliverable quality.

Our project management team will be led by **Jason Morrell**, a proven PM with over 12 years' experience completing environmental studies for transportation projects with FHWA oversight. Jason will be supported by Deputy PM and Environmental Lead **Jan (Grenfell) Hughes**, a former LADOTD Environmental Impact Manager with over 25 years' experience completing NEPA studies.



Agency Coordination/Stakeholder Outreach. The Arcadis Team will update the agency coordination list from the Stage 0 Study to develop a comprehensive list of all cooperating agencies with jurisdiction over resources in the project area, as well as participating agencies with interest in the project. A plan for coordinating with each agency will be developed and vetted with LADOTD. A list of stakeholders will be developed along with an outreach plan. Stakeholder engagement early and often is key to completing Stage 1 efficiently. Our Public Involvement lead, **Rannah Gray**, understands local community issues and concerns, is actively engaged with state and local officials in Ascension Parish and will be instrumental in ensuring all stakeholders are considered in project development. The support and active engagement of local officials and community groups will be vital in conveying project benefits to the public.

Key Stakeholders



Residential Property Owners. Alternatives advanced in the Stage 0 include 48-57 residential relocations with 25 from interchange construction.



Industrial Facility Operators. Project objectives include providing a direct connection to industrial facilities on LA 30 from I-10 at LA 429.



I-10 at LA 74 Interchange Team. The IJR, Line and Grade, and Environmental Study for both projects will occur concurrently and close coordination with the LA 74 at I-10 interchange team will be crucial for the success of the LA 429 Connector.

The LA 429 Connector outreach plan and messaging will be tailored to each diverse stakeholder group. Our goal is to facilitate transparent communication regarding project benefits and impacts. The stakeholder list and outreach plan will be re-evaluated and updated throughout project delivery as additional issues and concerns are identified.



I. Interchange Justification Report (IJR). The traffic and safety analysis will be completed to support a new interchange configuration at I-10 and LA 429. The HCS analysis for the existing, no-build, and build alternatives will be used to complete the IJR. The IJR will document that the proposed new access connection is provided to a public road only and will be a full interchange to provide all traffic movements to and from the Interstate. The Arcadis Team will facilitate coordination with the I-10 at LA 74 IJR (H.003771) team to ensure traffic volumes and diversion assumptions are similar. The I-10 at LA 74 IJR will be examining a new interchange between LA 73 and LA 429. FHWA policy requires that the analysis include at least the first adjacent existing or proposed interchange on either side of the proposed change in access. Coordination between the two Consultant teams is critical when analyzing the Interstate facility as a whole.

Data Collection. The Arcadis Team will review and verify data from previous studies to develop existing conditions within the study area. Arcadis previously worked on the I-10 from LA 73 to LA 429 Study (H.003771.2) and are currently working on the LA 30 (EBR PL to I-10) project (H.013797). ***A critical component of the project will be to develop a consistent peak period throughout the entire study area based on various studies.*** Arcadis has a depth of knowledge on the available traffic data in this area and experience that can ensure a quick and efficient review of the data to develop existing and future volumes for the study network.

Existing, No-Build, Tier 1, & Preliminary Tier 2. The Arcadis Team will analyze existing and no-build conditions at the LA 73 and LA 30 ramp terminal intersections. A thorough review of the Tier 1 and Preliminary Tier 2 alternatives from our previous study (H.003771.2) will be completed to determine feasibility of the interchange configurations as well as various roadway alignments. A new LA 429 alignment with semi-control of access will be analyzed along with NEPA derived alternatives that satisfy the project purpose and need. ***Truck traffic is a***

concern on LA 30 currently, and a LA 429 interchange has an opportunity to provide a new access for trucks, significantly reducing truck traffic near the LA 30 at I-10 interchange.

Final Alternative Analysis. The Arcadis Team will further analyze the alternatives in Tier 2 which will include a multi-period analysis in HCS as well as a detailed safety analysis. The detailed results of the HCS and the safety analysis will be used to address FHWA Policy Points for the proposed change in access. Alternatives will be drawn using a single line technique to show impacts to right-of-way and control-of-access boundaries based on LADOTD's Control of Access Policy.

Tier 3 Analysis The Arcadis Team will ensure the desired geometric configuration of the LA 429 interchange as well as the ramps, intersections of ramps with crossroads, and local streets are correct based on the traffic analysis. Striping and Signing Layouts will be completed based on the Tier 3 alternatives.

FHWA Policy Points Leveraging our experience receiving FHWA approval for 3 Interchange Modification Reports for LADOTD, the team will demonstrate the proposed change in access does not have a significant adverse impact on the operations and safety of the Interstate System.



II. Line and Grade Study. Our Roadway Design team will combine input from the Traffic and Environmental Study, constructability, and economic constraints to develop alternatives that fulfill the project purpose and need. Selected alternatives will be weighed against a predetermined decision matrix to evaluate and identify solutions that best fit the project. Our roadway planning approach will earmark undeveloped land to accommodate future growth, foster economic development, and allow for long-term infrastructure improvements. The Ascension Parish Master Land Use Plan will be considered when selecting roadway alignment. Arcadis will coordinate with LADOTD and project stakeholders to minimize the adverse effects of proposed alignments while advancing the region's long term goals.

The LA 429 Connector project has been promoted in previous studies of the area as an industrial corridor providing a high-speed connection to LA 30 from LA 429 and serving as a bypass roadway for large trucks, limiting traffic at the LA 30 at I-10 interchange. Arcadis will ensure that the horizontal and vertical roadway geometry accounts for truck traffic and that minimum clearances are met along the corridor. High resolution aerial photography and LiDAR data will serve as the

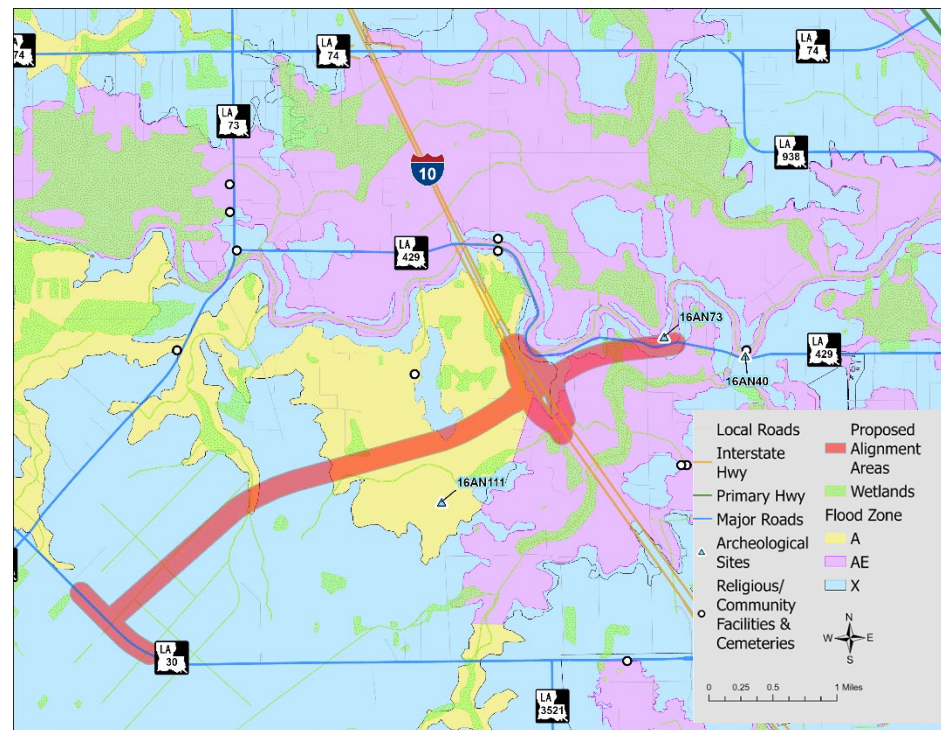
basis for the preliminary design and alternative selection. Flood elevation maps and wetland delineations will aid the design processes. The DOTD Louisiana Watershed Initiative (LWI) project manager will be consulted since the project area falls inside the LWI.



III. Environmental Study. We will first review and validate the preliminary purpose and need, conceptual alternatives, environmental review, design criteria, agency and public involvement, and cost estimates advanced in the Stage 0 Study based on current conditions. Conceptual alternatives will then be evaluated and refined based on the results of the IJR, and a study area and logical termini will be vetted with LADOTD. Once LADOTD confirms logical termini with the Federal Highway Administration (FHWA), a Coordination Plan will be developed for LADOTD review and concurrence. The Coordination Plan will include the environmental schedule, agency coordination plan, and Public Involvement Plan (PIP). The preliminary purpose and need statement will then be verified and refined as needed. Views will be solicited from LADOTD designated federal, state, and local agencies and officials, and organizations for Ascension Parish. Following the solicitation of views (SOVs), a public meeting will be scheduled to solicit feedback on preliminary alternatives advanced from the IJR. Preliminary alternatives will then be further refined to incorporate feedback/comments from the solicitation of views and public meeting.

A GIS database will be developed and shared in an ESRI ArcGIS environment to support all project mapping. The database will include data generated from preliminary project studies, as well as secondary source data for environmental resources. Additional environmental constraints will be added to the database, refined, and updated throughout the project as primary source data from technical studies is generated. Preliminary alternatives advanced from the SOV and public meeting will be used to develop a project study area for environmental field investigations. Our environmental team will work with roadway design to develop a sufficient ROW footprint to account for potential alignment shifts. This approach ensures staff will collect all necessary data in a single field survey, reducing the risk of budget overruns and schedule delays.

Upon completion of technical studies, alternatives will be analyzed for impacts to environmental resources and may be further refined to include a NEPA derived alternative. A Draft EA will be prepared that identifies and supports the preferred alternative following LADOTD and FHWA NEPA guidelines. A public hearing will be scheduled and advertised upon FHWA approval of the Draft EA.



This deep bench of environmental professionals with experience completing complex NEPA documents and technical studies for LADOTD. ***This built-in staff redundancy gives our team the flexibility and agility to assign tasks to the most qualified staff based on complexity, availability, and schedule.*** Our team's experience in NEPA also ensures documents and deliverables sent to LADOTD receive minor to no comments, reducing schedule delays and budget overruns.

Environmental Challenges. Arcadis has supplemented environmental screening completed by our team's previous Stage 0 studies and Tier 1 Analysis, to identify the following environmental constraints/concerns for the project. The Arcadis Team has been assembled with key personnel possessing the knowledge and experience to address these challenges.



Cultural Resources Preliminary screening of LA Office of Cultural Development site files indicate an archeological site along LA 429/Cornerview Road near the tie-in location for the proposed interchange. Gulf South Research Corporation (GSRC) will coordinate with LADOTD and complete all necessary surveys for preparation of the Cultural Resources Survey document under Section 106 of the National Historic Preservation Act.



Wetlands and other waterways will be bisected by the LA 429 Connector. The Arcadis Team will delineate the extent of wetlands and other waters of the U.S. and work with the design team to progress alternatives that avoid and minimize impacts, thereby reducing mitigation costs to DOTD.



Floodplains The LA 429 Connector bisects FEMA designated Flood Hazard Areas. Our national experts in hydrologic and hydraulic analysis will model effects of proposed roadways and structures on upstream and downstream flooding. We will prioritize resilience and sustainability by advancing design alternatives that reduce flood risk to the local community.



Relocations/Displacements Given the estimated residential relocations required, open and consistent messaging to affected property owners will be key. The Lakvold Group will develop a Conceptual Stage Relocation Plan (CSRP) that identifies the extent, scope, and effects of relocations caused by each alternative. The results will be incorporated into the Line and Grade Study and inform cost estimates.



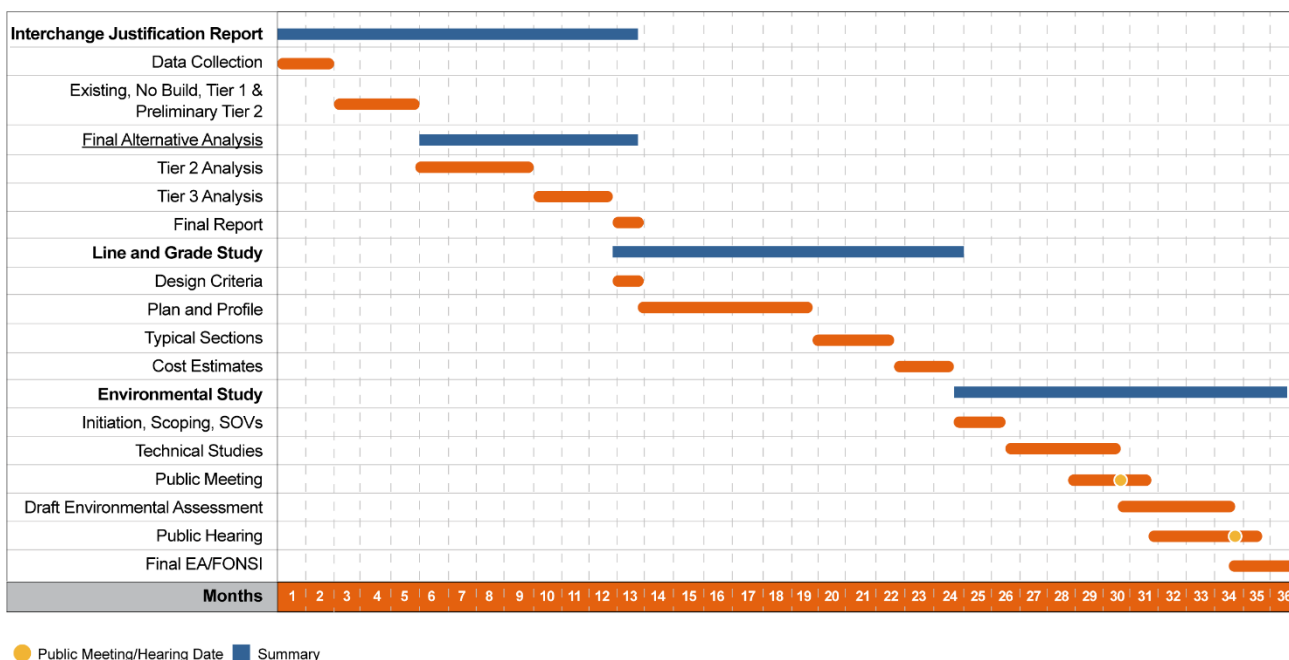
Environmental Justice The project includes land acquisition in a 70-80% minority population area. Our environmental planners will identify any disproportionately adverse impact to minority and low-income populations and work with LADOTD to mitigate impacts.

Schedule Current CEQ NEPA regulations require an EA to be complete within one year from the date of agency decision to prepare an EA. By following our approach to the IJR, including coordination with the I-10 at LA 74 interchange team and close coordination with the DOTD PM, our team's experience and knowledge of the NEPA process and public outreach will lead to FHWA EA approval within the three year window for overall project delivery.

Public Involvement. The PIP developed for the project will include options for engaging stakeholders and the public both online and in-person meetings, following guidance from the LADOTD Manual of Standard Practice and FHWA. The plan will identify stakeholders in the project vicinity and build a database of contacts. Stakeholders will be key to establishing an outreach network to provide information and seek public

input. The project area contains a diverse population of citizens including minority, low income, Limited English Proficiency, low mobility populations and other groups that are historically underrepresented or have unique needs. The PIP will include options for online meetings utilizing video conference platforms with live or recorded presentations, live Q&A, and online comment submittals. Using a variety of outreach opportunities lends itself to greater inclusion. In-person public meetings and hearings will follow all guidelines for public safety and accessibility.

Our public involvement lead, **Rannah Gray**, has expertise with outreach to local media, social media networks, and public libraries to provide information to local governments, stakeholder groups, and the public. Project specific branding will be developed and included in all communications. Other tools for gathering input such as online opinion polls, a project website, and targeted social media messages with links to provide input via smartphone can be made available and tailored to fit project needs. Our team can also provide a toolkit to elected officials or project team members to conduct smaller outreach meetings at civic, business or neighborhood organization meetings to inform the public and build awareness. We will evaluate our PIP using performance measures including participation at meetings, online input, public comments, and survey responses. Public involvement metrics can be provided to FHWA to document public participation in the project planning process.




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**
	Environmental	4400009703 / H.000688.2	US 11 Norfolk Southern Railroad	\$3,008
		4400007175 / H.011328.2	I-49 South (Ricohoc to Berwick)	\$804,100
		4400019338 / Multiple State Project Numbers	Rural Bridge Replacement Initiative Phase II – Multiple State Project Numbers – Districts 02, 03, 07, 61, and 62	\$137,291
		4400009281 / H.009932	US 80 Widening: Vancil Road to Well Road EA	\$5,343
		4400024307 / H.015052	I-20: Widening/Ovrly (Vancil Rd-LA 34)	\$85,327
	Traffic	4400007175 / H.011328.2	I-49 South (Ricohoc to Berwick)	\$171,365
		4400024204 / H.012889.5	I-20 Rehab (Pines Road to I-220)	\$80,568
		4400018646 / H.004100.5	I-10: LA 415 to Essen Lane on I-10 and I-12	\$85,960
		4400017033 / H.005121	LA 1/LA 415 Connector	\$47,276
		4400014845 / H.012018.6	Adaptive Traffic Signal Design and Implementation	\$17,741
		4400019379 / H.013797	LA 30: EBR PL – I-10	\$335,730
		4400021121 / H.000413	Cross Bayou Bridge Replacement	\$81,025
		4400024307 / H.015052	I-20: Widening/Ovrly (Vancil Rd-LA 34)	\$226,545
		4400023690 / H.015213.5	District 04 Pedestrian Safety Improvements	\$240,400
		4400021325 / H.012837.5	I-10 New Orleans Master Plan	\$513,925
	Road	4400007175 / H.011328.2	I-49 South (Ricohoc to Berwick)	\$342,731
		4400016923 / H.012901.6, H.010634.6	US 90Z (Bodenger Blvd. – Stumpf Blvd.)	\$235,299
		4400019010 / H.010116.5	LA 1088: Soult and Trinity Roundabouts	\$83,268
		4400024084 / H.009300.5	CMAR Contract for Hooper Road Widening (LA 3034 – LA 37)	\$109,063
		4400024307 / H.015052	I-20: Widening/Ovrly (Vancil Rd-LA 34)	\$106,659
	Bridge	4400018646 / H.004100.5	I-10: LA 415 to Essen Lane on I-10 and I-12	\$158,055
		4400021121 / H.000413	Cross Bayou Bridge Replacement	\$124,127


	ITS	4400016811 / H.013868.5	ITS Program Management and Operations (2022)	\$62,300
		4400016811 / H.013868.6 (A)	ITS Routine Maintenance Engineering and Inspection (ME&I) (2022)	\$102,869
		4400016811 / H.013868.6 (B)	ITS Responsive/Emergency Maintenance Engineering and Inspection (ME&I) (2022)	\$48,527
		4400016811 / H.013868.5	ITS Program Management and Operations (2023)	\$669,693
		4400016811 / H.013868.6 (A)	ITS Routine Maintenance Engineering and Inspection (ME&I) (2023)	\$674,294
		4400016811 / H.013868.6 (B)	ITS Responsive/Emergency Maintenance Engineering and Inspection (ME&I)	\$154,188
		2000715744 / 2000719098 / 2000719099 / 2000733237	Scope for Damaged Electrical for I-10 Atchafalaya Bridge / I-20 @ Bert Kouns CCTV Upgrade / DMS Site Communication Upgrades / Ethernet and Power Surge Protectors	\$18,750
		4400018646 / H.004100.5	I-10: LA 415 to Essen Lane on I-10 and I-12	\$33,275
	CE&I/OV	4400025046 / H.013710.6	I-10: US 61 to LaPlace ITS Deployment (CE&I)	282,879
	Data Collection	4400021325 / H.012837.5	I-10 New Orleans Master Plan	\$89,805


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	44-04128, H.004273.5	I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) (Sub to Stantec)	70,810
		44-25040, H.015342	IIJA, Off-System Bridge Program, District 61 Less EBR, S.A.#1 (Note: Work will be performed over 4 years)	800,000
		H.013897	I-10 & I-12 College Drive Flyover Ramp Design-Build Project (Sub to Boh Bros.)	89,160
	Bridge	44-04128, H.004273.5	I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) (Sub to Stantec)	15,272
		44-18646, H.004100	I-10 Baton Rouge Widening CMAR Segment 1 (Bridge & Sound Walls) (Sub to Huval)	83,600
		S.P. # H.013897	I-10 & I-12 College Drive Flyover Ramp Design-Build Project (Sub to Boh Bros.)	174,800
		44-04900, H.004540.5	Leeville to Golden Meadow, Route LA 1 Relocated, Const. Engineering Services (Sub to HNTB)	219,878


		44-25040, H.015342	IJA, Off-System Bridge Program, District 61 Less EBR	3,639
		44-25040, H.015342	IJA, Off-System Bridge Program, District 61 Less EBR, S.A.#1 (Note: Work will be performed over 4 years)	802,000
		44-05267, H.003074.5	Williams Blvd – Veterans Blvd., Route I-10, Jefferson Parish, LA	148,795
	Environmental	44-04128, H.004273.5	I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) (Sub to Stantec)	67,131
		44-25040, H.015342	IJA, Off-System Bridge Program, District 61 Less EBR, S.A.#1	200,000
	ITS	44-04128, H.004273.5	I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) (Sub to Stantec)	19,447
		44-18646, H.004100	I-10 Baton Rouge Widening CMAR Segment 1 (Sub to Huval)	79,000
	CE&I/OV	44-23074, H.012465.6	IDIQ for CE&I Services and Staff Augmentation, District 61 - Flashing Yellow Arrow Part 3	415,594
		44-23074, H.010960.6	IDIQ for CE&I Services and Staff Augmentation, District 61 - LA 30 Roundabouts at Tanger Mall and I-10	675,069
		44-23074, H.015022.6	IDIQ for CE&I Services and Staff Augmentation, District 61 - LA 976: LA 81 - US 190	36,053
		44-23074, H.014694.6	IDIQ for CE&I Services and Staff Augmentation, District 61 - LA 426: LA 73 - Sherwood Forest	175,686
		44-23074, H.014930.6	IDIQ for CE&I Services and Staff Augmentation, District 61 - Rumble Strips: District 61 - Area C	63,701
		44-19950, H.002735.6	IDIQ for CE&I, Statewide, with Majority of Work in District 03 - Bayou Vermillion Bridge	31,498
		44-19950, H.003003.6	IDIQ for CE&I, Statewide, with Majority of Work in District 03 - I-10: I-49 - LA 328	19,147
		44-19950, H.002868.6	IDIQ for CE&I, Statewide, with Majority of Work in District 03 - I-49 S: Amb Caffery / US 90 Interchange	788,725
		44-19950, H.013265.6	IDIQ for CE&I, Statewide, with Majority of Work in District 03 - US 90: LA 14 to LA 83	541,875
		44-14315, H.003370.6	IDIQ for Painting Inspection & Environ. Monitoring with CE&I, Statewide - I-220/I-20 Interchange IMP & BAFB Access	0
		44-14315, H.010000.6	IDIQ for Painting Inspection & Environ. Monitoring with CE&I, Statewide - US 171: Calcasieu River Bridge Repairs	61,754


		44-17006, H.011670.6	I-10/Loyola Interchange Improvements, Jefferson Parish	764,721
		44-23897, H.011965.6	LA 47: IWGO Bridge Rehabilitation (HBI) (CE&I) (sub to GPI)	1,817,361
	Other (Electrical)	44-04128, H.004273.5	I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) (Sub to Stantec)	301,419
		44-18646, H.004100	I-10 Baton Rouge Widening CMAR Segment 1 (Sub to Huval)	242,045
		H.013897	I-10 & I-12 College Drive Flyover Ramp Design-Build Project (Sub to Boh Bros.)	45,000
		44-05267, H.003074.5	Williams Blvd – Veterans Blvd., Route I-10, Jefferson Parish, LA	54,012
		44-11354, H.013442.6	IDIQ Contract for Electrical Statewide-I-10: Crowder Boulevard Interstate Lighting (Expires 7/3/24)	43,208
		44-11354, H.013617.6	IDIQ Contract for Electrical Statewide-I-10: I-610E Interchange Lighting, T.O. #1 (Expires 7/3/24)	152,006
		44-11354, H.014552.5	IDIQ Contract for Electrical Statewide-I-49: LA 31 Interchange Lighting (Opelousas), T.O. #2 (Expires 7/3/24)	236,672
		44-11354, H.014556.5	IDIQ Contract for Electrical Statewide-I-49: US 190 Interchange Lighting (Opelousas), T.O. #3 (Expires 7/3/24)	273,125
		44-11354, H.014557.5	IDIQ Contract for Electrical Statewide-I-49: Judson Walsh Drive Interchange Lighting (Opelousas), T.O. #4 (Expires 7/3/24)	282,786
		44-11354, H.014553.5	IDIQ Contract for Electrical Statewide-I-49: LA 3233 Interchange Lighting (Opelousas), T.O. #5 (Expires 7/3/24)	376,863
		44-05660, H.012874.6	Retainer Contract for Electrical Services - I-55: LA 22 Interstate Lighting (Sub to Buchart-Horn)	20,153
	Other (Program Management)	44-16958	Road Transfer Program Management, Statewide (NOTE: The Average Annual billing is approx. \$290,000/ year. We are in year 3 of 6. This billing represents 1 person stationed at DOTD. Thus, unlikely to bill this entire remaining balance. (Program Management ONLY – NO Planning, Road or Bridge Design work).)	1,456,292
		44-25040, H.015342	IIJA, Off-System Bridge Program, District 61 Less EBR, S.A. #1	200,000
		44-04128, H.004273.5	I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) (Sub to Stantec)	164,029
		44-18646, H.004100	I-10 Baton Rouge Widening CMAR Segment 1 (Sub to Huval)	16,263


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 BUCHART HORN ENGINEERS • ARCHITECTS • PLANNERS	Environmental	H.005257, FAP 9902(518), 700-99-0302	Houma-Thibodaux to I-10 Corridor Environmental Impact Statement	\$3,284
	Environmental	H.009153.2, FAP H009153	US 84 Improvements	\$9,574
	Bridge (Lighting)	4400011353, H.0110309.5-2	MacArthur Interchange Completion – Phase II Lighting	\$155,287
	CE&I/OV	4400005660, H.012422.6	I-110 at Terrace Avenue Ramp Modification CA Services	\$3,686
	CE&I/OV	4400005660, H.012874.6	I-55 at LA 22 Interchange New Lighting CA Services	\$31,993
	Traffic (Safety)	4400010471, H.013322.1	LA 3040 Corridor Improvements Study	\$273
	Traffic (Safety)	4400010471, H.041305.1	US 61: Cardinal Drive to Bert Street	\$36,728
	Bridge (Lighting)	4400011353, H.010616.5-2	New I-20 Overpass over LA 544 Lighting	\$58,546
	Bridge (Lighting)	4400011353, H.014302.5	US 165 Roadway Lighting	\$148,460
	Bridge (Lighting)	4400011353, H.010319.5	I-110 Lighting from North Street to Plank Road	\$52,538

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**
 MARMILLION/GRAY MEDIA	Other – Public Involvement	4400015733 H.972374.1	Local Public Agency Documented Planning Process - Statewide	\$60,302
	Other – Public Involvement	4400021094 79436 (HNTB)	Update Statewide Transportation Plan	\$55,867
	Other – Public Involvement	4400022830 061334000 (Kimley-Horn)	LADOTD Americans with Disabilities Act (ADA) Transition Plan Update, Phase 1 – District 3 Pilot Study	\$61,470

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**
 GSRC	Environmental	4400014188 / TO No. H011235.2	Phase I Cultural Resources Survey, I-49 South at Verot School Road, Route I-49, Lafayette Parish	\$42,000

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**
	Other (DBE)		LA DBE Supportive Services 2023-2026	\$960,059
	Survey/Road	44-17597, H.013952; H.013966; H.013968; H.013997; H.013963; H.013982; H.013976; H.013984; H.013970; H.013957	Rural Bridge Replacement Initiative - Districts 03, 07, 61, and 62	\$33,650
	CPM	44-17485, H.012876.6	US 90Z (I-10 - Magnolia Street) - District 02, Orleans Parish	\$20,707
	CPM	44-4351, H.011220.6	NO CBD2 Carrollton-Lafitte Ave - District 02, Orleans Parish	\$16,955
	CPM	44-17485, H.013579.6	Pecue Lane/I-10 Interchange Phase 2 - District 61, East Baton Rouge Parish	\$2,175
	CPM	44-4351, H.012901.6-1	US90Z (Magnolia-Bodenger)	\$14,752
	CPM	44-17485, H.002375	LA 16 Amite River Bridge near French Settlement	\$26,198
	CPM	44-17485, H.010018	I-10: NO East Drain Canal Bridge Replace - District 02, Orleans Parish	\$25,261
	CPM	44-17485, H.003184.6	I-10 Texas S/L - Coone Guillory	\$110,344
	CPM	44-17485, H.012588.6	I-10: Atchafalaya Basin Bridge - West Baton Rouge P/L - District 61, Iberville Parish	\$22,929
	CPM	44-17485, H.001234.6	LA 1: Port Allen Canal BR Replacement (PH1) (HBI)	\$47,537
	SUE	44-19184, H.001820.6	LA 485 Bridges Near Allen Construction Inspection - Allen Parish	\$72,681
	SUE	44-19184, H.001820	LA 485 Bridges Near Allen Waterline Investigation - Natchitoches Parish	\$7,056
	CPM	44-17485, H.000665.6	UP R.R. Overpass near Bonita (HBI) - District 05, Morehouse Parish	\$68,066
	CPM	44-17485, H.002980.6	I-10 Overpass Over US 165 & MP R.R.	\$83,773
	CPM	44-17485, H.001820.6	LA 485: Bridges Near Allen - District 08, Natchitoches Parish	\$27,718
	CPM	44-17485, H.001344.6	US 190: LA 437 to US 190-BUS (Phase 1)	\$43,872
	CPM	44-17485, H.004634.6	Juban Road Widening (I-12 to US 190)	\$15,031
	CPM	44-17485, H.000169.6	Union Pacific Railroad Bridge at Sicard - District 05, Ouachita Parish	\$22,283

	CPM	44-17485, H.002424	LA 70 Sunshine Bridge - LA 22 - District 61, Ascension/St. James Parish	\$71,880
	CPM	44-17485, H.003047.6	Pecue Lane/I-10 Interchange Phase III - District 61, East Baton Rouge Parish	\$91,758
	CPM	44-17485, H.0009487.6	LA 1 Atchafalaya Bridge Clean & Paint	\$84,096
	Survey	44-17711, H.012685.5	LA 385: Ryan Street Intersection IMPRs	\$11,454
	SUE	44-19379, H.013797	LA 30: EBR PL - I-10 - Ascension and Iberville Parishes	\$2,904
	Survey	44-19870, H.013722.5	Morgan City Sidewalks and Shared Use Path Safe Routes to Public Places Program - St. Mary Parish	\$103,615
	Survey	44-16018, H.012001.5	LA 339 Canal and Creek Bridges - Vermilion Parish	\$4,393
	Survey	44-16018, H.002244.5	LA 56: Boudreaux Canal MB Replacement - Terrebonne Parish	\$14,891
	Survey	44-16018, H.011310.5	Ford Street Extension - East Baton Rouge Parish	\$5,643
	Survey	44-16018, H.004100	I-10: LA 415 to Essen on I-10 and I-12 ROW Revisions TO 52 - East Baton Rouge Parish	\$3,486

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**
	Other (Real Estate)	H.004100	I-10: LA 415 to Essen on I-10 and I-12, East Baton Rouge Parish	\$179,000

Location

All

LA 429 Connector (LA 30/LA 73 to US 61)

Crash Summary (2017-2021)

Ascension Parish



intersection_id

All

Total Crashes

2,693

Fatalities

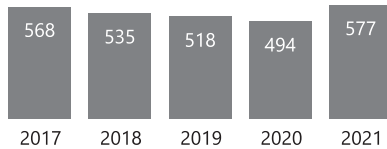
7

Injuries

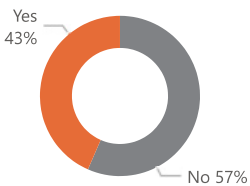
1036



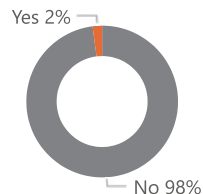
Crashes per Year



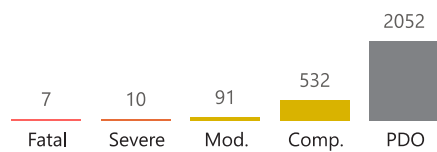
Intersection



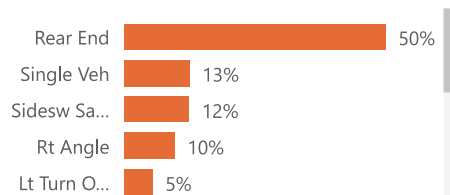
Alcohol



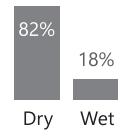
Crash Severity



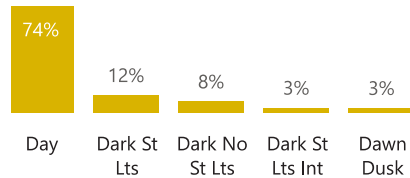
Collision Manner (Top 5)



Surface Condition



Lighting Condition



Intersection with More Crashes (Top 5)

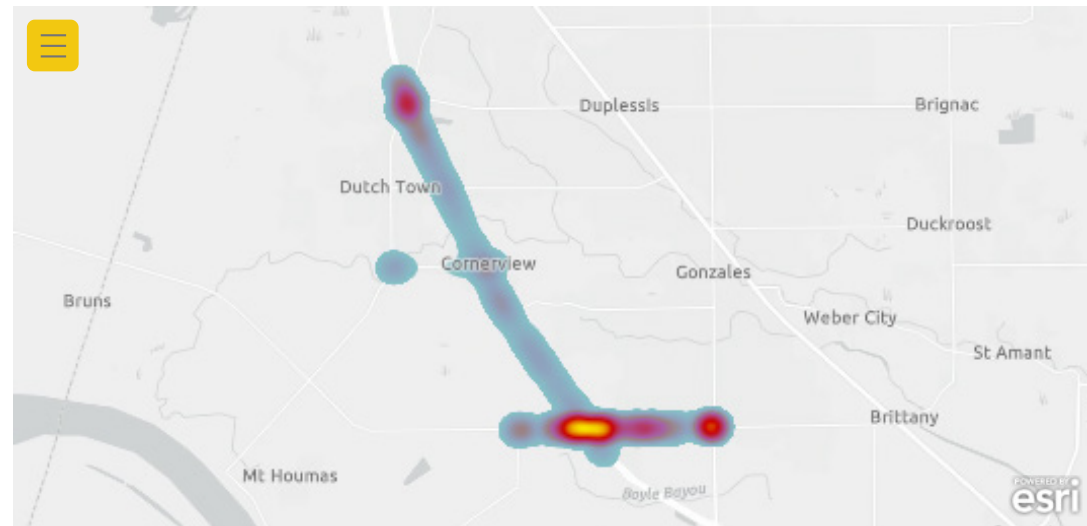
Intersection ID	Fatalities	Injuries	All
03LA30@I-10	0	103	252
03LA30@LA44	0	33	160
03LA30@CABELLAS	0	27	140
03LA30@VETERANS	1	36	130
03LA30@ROBERT WILSON#2	0	47	83
Total	1	246	765

DOTD's High PSI Intersections

Intersection ID	Fatalities	Injuries	All
03LA30@ROBERT WILSON#2	0	47	83
03LA30@PHILIPPE	2	12	34
Total	2	59	117

Severity of Crashes by Roadway

Location	Fatal	Severe	Mod.	Comp.	PDO	Total
I-10 Mainline	4	4	28	221	808	1065
LA 30	3	6	57	295	1190	1551
LA 429			6	16	55	77
Total	7	10	91	532	2053	2693



Sections

20-23


Arccadis has developed customized and interactive dashboards for Crash data analytics, showing a heavy concentration of crashes at the existing I-10 and LA 30 interchange.

20. Certifications/Licenses:

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

[illegible]

[illegible]

 <p>LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com</p>	
<p>Mr. Akhilendra Singh Chauhan</p>	
License/Certificate Type - Number	Expiration Date
PE.0033703	09/30/2024
<p>Status: Active</p>	
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>	

Transportation Professional Certification Board Inc.

certifies that

Akhilendra Singh Chauhan

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

PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

*Unless withdrawn by the Certification Board, this certificate number 2544
issued in Washington, D.C. is subject to the provisions for renewal
November 24, 2008*

Steven D. Hofener
Chair



James W. Hinkle
Executive Director

Transportation Professional Certification Board Inc.

certifies that

Akhilendra Singh Chauhan

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

PROFESSIONAL TRANSPORTATION PLANNER

*Unless withdrawn by the Certification Board, this certificate number 246
issued in Washington, D.C. is subject to the provisions for renewal
December 1, 2009*

Steven D. Hofener
Chair



James W. Hinkle
Executive Director





National Highway Institute

Certificate of Training

Akhil Chauhan

has participated in

NHI Course No. 142005 - NEPA and Transportation Decision Making

hosted by

LA DOTD/LTRC

Date: May 28-30, 2014

Hours of Instruction: 18

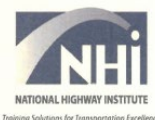
Location: Baton Rouge, LA

[Signature]
Instructor

[Signature]
Instructor

[Signature]
Local Coordinator

[Signature]
Richard Barnaby, Director
National Highway Institute



National Highway Institute

Certificate of Training

Akhil Chauhan

has participated in

FHWA - NHI Course No. 380071 - Interactive Highway Safety Design Model (IHSDM)

hosted by

Louisiana Department of Transportation and Development

Date: May 9-10, 2012

Hours of Instruction: 12

Location: Baton Rouge, LA

[Signature]
Instructor

[Signature]
Instructor

Local Coordinator

[Signature]
Richard Barnaby, Director
National Highway Institute



National Highway Institute

Certificate of Training

Akhilendra Chauhan

has participated in

NHI Course No. 380075 - New Approaches to Highway Safety Analysis

hosted by

LA DOTD/LTRC

Date: October 9-11, 2012

Hours of Instruction: 18

Location: Baton Rouge, LA

[Signature]
Instructor

[Signature]
Instructor

[Signature]
Local Coordinator

[Signature]
Richard Barnaby, Director
National Highway Institute



National Highway Institute

Certificate of Training

AKHIL CHAUHAN

has participated in

FHWA-NHI-133121 Traffic Signal Design and Operation

hosted by

LA DOTD/LTRC

Date: August 16-17, 2017

Hours of Instruction: 11

Location: Baton Rouge, LA

[Signature]
Instructor

[Signature]
Instructor

[Signature]
Local Coordinator

[Signature]
Valerie Briggs, Director
National Highway Institute



National Highway Institute

Certificate of Training

Akhil Chauhan

has participated in

FHWA - NHI Course No. 133078 Access Management, Location and Design (3 day)

hosted by

LA DOTD/LTRC

Date: January 6-8, 2015

Hours of Instruction: 18

Location: Baton Rouge, LA

[Signature]
Instructor

[Signature]
Instructor

[Signature]
Local Coordinator

[Signature]
Valerie Briggs, Director
National Highway Institute



Certificate of Completion

presented to

Akhil Chauhan

for completing the

Traffic Engineering Analysis Process & Report Module 1

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

Professional Development
Hours (PDHs) Awarded: 4

Poly Colina
Authorized Instructor

John Holt
Authorized Instructor

Robert Parnell
Authorized instructor



Certificate of Completion

presented to

Akhil Chauhan

for completing the

Traffic Engineering Analysis Process & Report Module 2

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

Professional Development
Hours (PDHs) Awarded: 4

Poly Colina
Authorized Instructor

John Holt
Authorized Instructor

Robert Parnell
Authorized instructor



Certificate of Completion

presented to

Akhil Chauhan

for completing the

Traffic Engineering Analysis Process & Report Module 3

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

Professional Development
Hours (PDHs) Awarded: 3

Poly Colina
Authorized Instructor

John Holt
Authorized Instructor

Robert Parnell
Authorized instructor





Introduction to Travel Forecasting
FHWA Resource Center



Course: *Introduction to Travel Forecasting*

Offered by: *FHWA Resource Center*

Date: *April 26, 2011*

Contact Hours: *7*

Student: *Akhil Chauhan*

Instructors: *Eric Pihl and Jeff Frkonja, FHWA Resource Center*





**Society of Wetland Scientists
Professional Certification Program, Inc**

renews the designation

Professional Wetland Scientist

For

Jason E. Morrell

In recognition of all the professional requirements approved by the Society of Wetland Scientists Certification Renewal Program, and verified by the Society's Certification Renewal Review Panel.
Professional Wetland Scientist Number 2319 issued on 4/1/2013 and recertified on 5/2/2023.
Due to recertify again by 4/1/2028.



Rob McInnes, PWS
President

Pat Frost, PWS
Certification Renewal Chair



National Highway Institute Certificate of Training JASON MORRELL

has participated in

**FHWA-NHI-142005 NEPA and the Transportation
Decisionmaking Process**

hosted by

LA DOTD/LTRC

Date: December 3-5, 2018

Location: Baton Rouge, LA

Instructor

Instructor

Hours of Instruction: 18

Local Coordinator

Valerie Briggs, Director
National Highway Institute



U.S. Department
Of Transportation
Federal Highway
Administration



NATIONAL HIGHWAY INSTITUTE
Training Solutions for Transportation Excellence

National Highway Institute

Certificate of Training

Jason Morrell

has participated in

FHWA-NHI-142047 Water Quality Management of Highway Runoff

hosted by

Georgia Department of Transportation

Date: October 25-26, 2011

Location: Atlanta, GA

Instructor

Instructor

Hours of Instruction: 12 hours

Local Coordinator

Richard Barnaby, Director
National Highway Institute



Apalachicola, Chattahoochee, and Flint River Basins Certificate of Completion

AWARDED TO

Jason Morrell

FOR SUCCESSFULLY COMPLETING THE

ACF FRESHWATER MUSSEL WORKSHOP

TOPICS INCLUDED: MUSSEL EVOLUTION, TAXONOMY, BIOLOGY, ECOLOGY, TERMINOLOGY, SHELL IDENTIFICATION, ISSUES AFFECTING MUSSEL POPULATIONS, CURRENT RESEARCH, PROPOSED FEDERAL AND STATE LISTINGS, MOLECULAR, GENETIC AND PROPAGATION TECHNIQUES, SURVEY METHODS, AS WELL AS RECOVERY EFFORTS. THE COURSE INSTRUCTION INCLUDED LECTURE, HANDS-ON CLASSROOM AND FIELD IDENTIFICATION OF FRESHWATER MUSSELS OF THE ACF.

Newton, Georgia
August 6-9, 2012

James D. Williams
JAMES D. WILLIAMS PH.D.
MALACOLOGIST



Watershed Hydrology Consultants LLC Assessing and Advancing Watershed Management

Certificate of Training

This certifies that

Jason Morrell

has successfully completed the

Training Course on the Identification of Intermittent and Perennial Streams

May 21-23, 2012
Atlanta, Georgia

Classroom instruction and field instruction and practice were provided on: (1) The science of stream networks; hydrologic functions of streams and riparian zones; stream maps; and the geomorphologic, hydrologic, and biologic characteristics of headwaters streams; and (2) North Carolina Division of Water Quality, *Methodology for Identification of Intermittent and Perennial Streams and Their Origins*, Version 4.11, 2010.

Instruction provided by: Watershed Hydrology Consultants LLC, 1114 Upper Reach Drive, Wilmington, NC 28409; James D. Gregory; Principal/Senior Scientist and Lead Instructor

James D. Gregory
James D. Gregory, Ph.D., CPSS, PWS
Course Director

Certificate of Completion

presented to

Jason Morrell

for completing the

Traffic Engineering Analysis Process & Report Module 1

Date: March 29, 2022
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 3



Authorized Instructor



Authorized Instructor



Authorized instructor

Certificate of Completion

presented to

Jason Morrell

for completing the

Traffic Engineering Analysis Process & Report Module 3

Date: March 30, 2022
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 3



Authorized Instructor



Authorized Instructor



Authorized instructor

Certificate of Completion

presented to

Jason Morrell

for completing the

Traffic Engineering Analysis Process & Report Module 2

Date: March 29, 2022
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 3



Authorized Instructor



Authorized Instructor



Authorized instructor

University of Nevada, Reno
Heritage Resources Management Program

This will verify that

Jan Grenfell

has successfully completed

Introduction to Section 106 Review

New Orleans, Louisiana

July 17-18, 2001

Heath Ferguson
Associate Vice President & Dean,
College of Extended Studies

Lee Vestuige
Instructor
Charlene Davis Vaughn

Don Fowler
Program Director



U.S. Department
Of Transportation
Federal Highway
Administration



NATIONAL HIGHWAY INSTITUTE
Training Solutions for Transportation Excellence

National Highway Institute
Certificate of Training

Jan Grenfell

has participated in

Fundamentals of Title VI/Environmental Justice

hosted by

LA DOTD/LTRC

Location: Baton Rouge, LA

Hours of instruction: 12

Date: June 14 – 15, 2006

Jo Peterson
Instructor
Morgan Ayala

Director, National Highway Institute
Federal Highway Administration

Sandra Romo
Coordinator
M.H.

Director, Office of Professional and Corporate Development
Federal Highway Administration

The
WETLAND BIOGEOCHEMISTRY INSTITUTE

of

LOUISIANA STATE UNIVERSITY
and Agricultural and Mechanical College

Certifies that

Jan Grenfell

has successfully completed

Wetland Delineation Training Workshop

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

May 26, 2000

Granted on

Instructor

B. David Zuchet
Instructor

Debra Fink
Instructor



National Highway Institute

Certificate of Training

Jan Grenfell

has participated in

**NHI Course No. 142049 – Beyond Compliance: Historic
Preservation in Transportation Project Development**

hosted by

LA DOTD/LTRC

Date: January 29-31, 2013

Location: Baton Rouge, LA

Hours of Instruction: 18

Tim N. Klein
Instructor

M. W. Jahn
Instructor

Allison H. Landry
Local Coordinator

Richard Barnaby
Richard Barnaby, Director
National Highway Institute



National Highway Institute Certificate of Training

Jan Grenfell

has participated in

Federal-Aid Highways - 101 (State Version)

hosted by

LADOTD / LTRC

Location: Baton Rouge, LA

Date: June 27 - 28, 2005

Hours of instruction: 12

Danielle Smart
Instructor
Moges Ayale

Director, National Highway Institute
Federal Highway Administration

William M. Shultz
Coordinator
J. L. N.

Director, Office of Professional and Corporate Development
Federal Highway Administration

The

*Louisiana Department of Transportation and Development
and
U.S. Fish & Wildlife Service*

Certify that

JAN GRENFELL

has successfully completed

**Endangered Species Act -
Section 7 Consultation Process**

ETRN No: 4-2536A

*Held on July 22, 2004**and has been awarded 5.0 Professional Development Hours*

Kenneth G. Perrel
Kenneth Perrel
Assistant Secretary Planning and Programming

Vincent Russo, Jr.
Vincent Russo, Jr.
Environmental Engineer Administrator



U.S. Department
Of Transportation
Federal Highway
Administration



NATIONAL HIGHWAY INSTITUTE
Training Solutions for Transportation Excellence

National Highway Institute

Certificate of Training

Bonnie Bynum

has participated in

FHWA-NHI-142005

NEPA and Transportation Decision-making

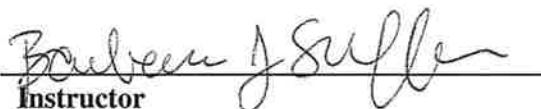
hosted by

South Carolina Department of Transportation

Date: April 22-24, 2014

Location: Columbia, SC

Hours of Instruction: 19.5


Instructor


Instructor



SCDOT – Training Resource Manager



Richard Barnaby, Director
National Highway Institute

THE Register of Professional Archaeologists

Certifies that

J. Lauran Riser, M.A., RPA

Has met all professional qualifications
and has been accredited as a

Registered Professional Archaeologist

William Anshelky Jr.
President



10/12/09
Date

Certificate of Completion



This is to certify that
Lauran J. Switzer
has successfully completed
The Advisory Council on Historic Preservation's
What is Section 106

May 15, 2023

Transportation Professional Certification Board, Inc.

certifies that

Jonathan David Reid

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

PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

*Unless withdrawn by the Certification Board, this certificate number 1588
issued in Washington, D.C. will remain valid for three years from
March 22, 2005*

Eugene M. Wilson
Chair



James M. Wilson
Executive Director

Congratulations!

Jonathan Reid

You have completed

Traffic Engineering Analysis Process & Report Class Modules 1, 2 & 3


Date: April 27-28, 2023
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 8.50


[Signature]
Authorized Instructor

[Signature]
Authorized instructor



	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
	Mr. Jose Luis Rodriguez License/Certificate Type - Number Expiration Date PE.0030492 03/31/2025 Status: Active	
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>		

	
<h2 style="text-align: center;">PROOF OF TRAINING</h2> <p style="text-align: center;">THIS CERTIFICATE HEREBY RECOGNIZES THAT</p>	
<p style="text-align: center;">Jose L Rodriguez has attended Traffic Control Supervisor Refresher-LA State Specific Training Course</p>	
<u>11/1/2019</u> to <u>11/1/2019</u> Date	 Vice President of Member Services
New Orleans, LA Location	 President, CEO
<p style="text-align: center;"><small>ATSSA provides training and certification but neither constitutes employment by ATSSA.</small></p>	
<div style="text-align: center;">  American Traffic Safety Services Association ATSSA.com </div>	



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

Mr. David Lorie Fulks II

License/Certificate Type - Number	Expiration Date
PE.0030151	09/30/2024
Status: Active	

Cut Here

Fold Here

Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).

LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.

Print and keep the following information for your record or verification. The pocket card may also be printed on card stock or laminated to keep with you as license/certificate verification.





CERTIFICATE OF COURSE COMPLETION

This certifies that ***David Fulks*** has completed

ROUNDABOUT DESIGN WORKSHOP

Hours of Instruction: 13

Location: Baton Rouge, Louisiana

Date: September 10th & 11th, 2013

Howard McCulloch

Howard McCulloch, P.E., NE ROUNDABOUTS



LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)

9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Skyler James Waaso

License/Certificate Type - Number

PE.0039070

Expiration Date

09/30/2024

Status: **Active**

Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).

LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.

Transportation Professional Certification Board, Inc.

certifies that

Skyler James Waaso

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

Professional Traffic Operations Engineer

unless withdrawn by the Certification Board and subject to the provisions for renewal.

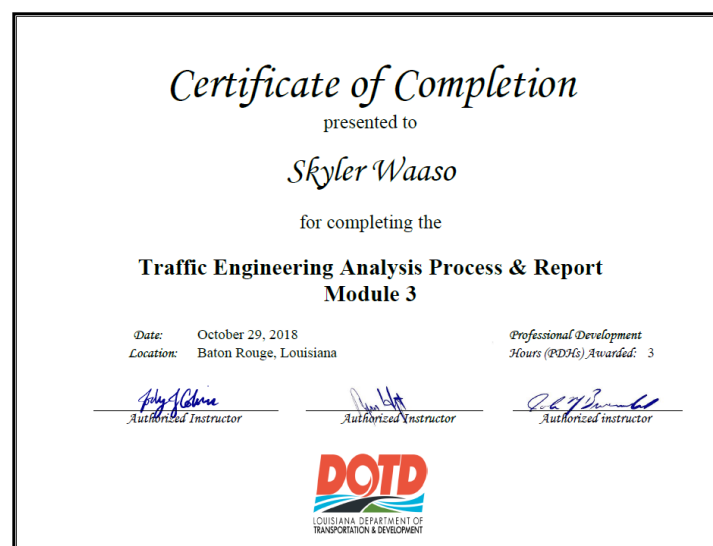
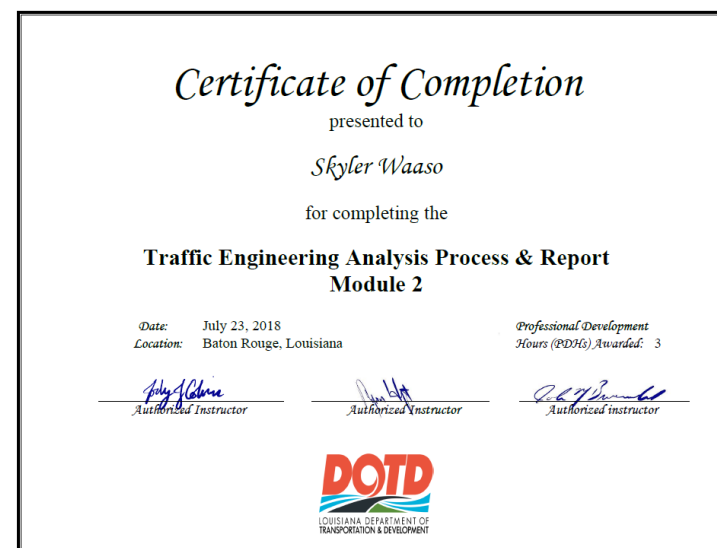
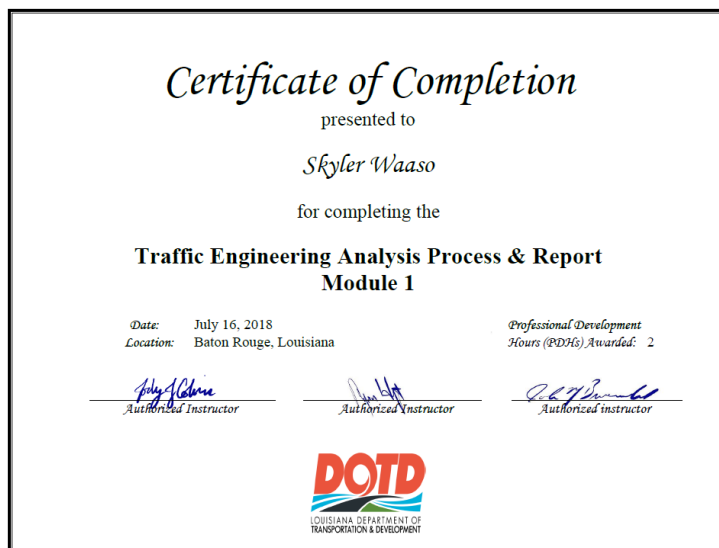
Certificate number 4600 issued in Washington, DC, USA


3/27/19

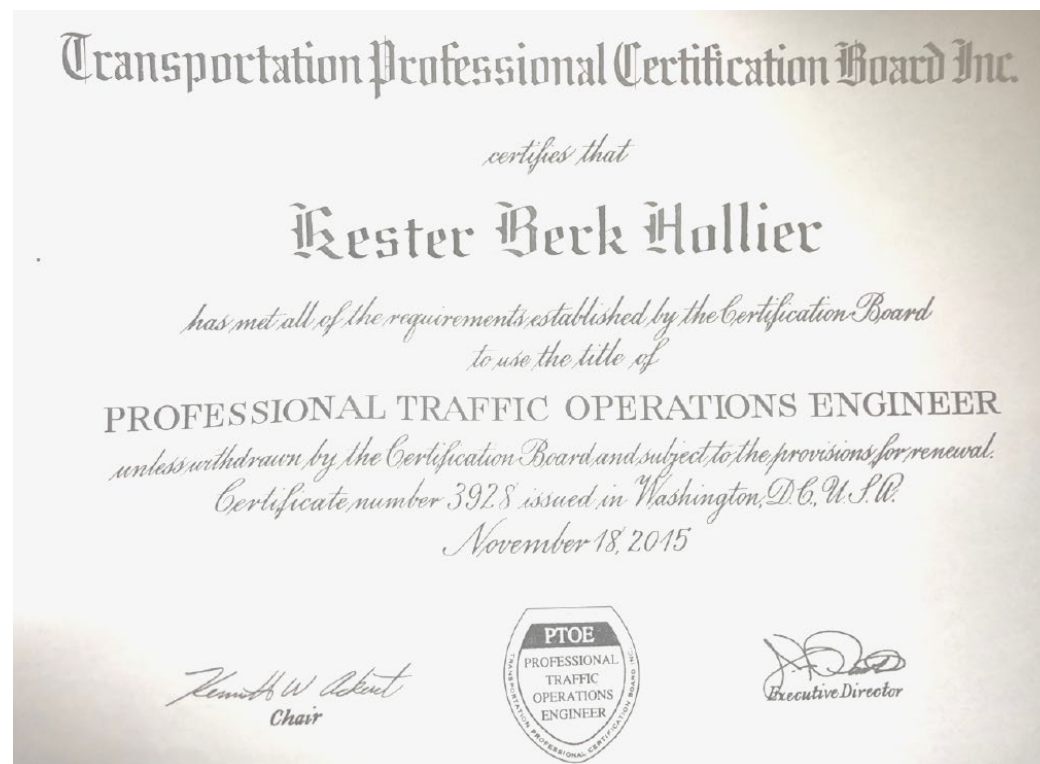
Diane Morabito
Diane Morabito
Chair



Jeffrey F. Paniati
Jeffrey F. Paniati
Executive Director



	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Kester Berk Hollier		
License/Certificate Type - Number PE.0034304	Expiration Date 03/31/2025	
Status: Active		
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>		



Certificate of Completion

presented to

Kester Hollier

for completing the

Traffic Engineering Analysis Process & Report Module 1

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

Professional Development
Hours (PDHs) Awarded: 2

Jody J. Colvine
Authorized Instructor

Jim Holt
Authorized Instructor

P. G. Brumfield
Authorized instructor



Certificate of Completion

presented to

Kester Hollier

for completing the

Traffic Engineering Analysis Process & Report Module 2

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

Professional Development
Hours (PDHs) Awarded: 3

Jody J. Colvine
Authorized Instructor

Jim Holt
Authorized Instructor

P. G. Brumfield
Authorized instructor



Certificate of Completion

presented to

Kester Hollier

for completing the

Traffic Engineering Analysis Process & Report Module 3

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


Professional Development
Hours (PDHs) Awarded: 3

Jody J. Colvine
Authorized Instructor

Jim Holt
Authorized Instructor

P. G. Brumfield
Authorized instructor



 <p>LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com</p>	
<p>Mr. Ari J. Deitch</p>	
<p>License/Certificate Type - Number</p> <p>PE.0041842</p> <p>Status: Active</p>	<p>Expiration Date</p> <p>03/31/2024</p>
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>	

Transportation Professional Certification Board, Inc.

certifies that

Ariel Jacob Deitch

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

Professional Transportation Planner

unless withdrawn by the Certification Board and subject to the provisions for renewal.

Certificate number 690 issued in Washington, DC, USA

07/17/2019

Diane M. Morabito
Diane Morabito
Chair



Jeffrey F. Livisti
Jeffrey F. Livisti
Executive Director



Transportation Professional Certification Board, Inc.

certifies that

Ariel Jacob Deitch

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

Professional Traffic Operations Engineer

*unless withdrawn by the Certification Board and subject to the provisions for renewal.
Certificate number 4346 issued in Washington, DC, USA*

Michael H. Park
Michael H. Park
Chair



Jeffrey F. Piniati
Jeffrey F. Piniati
Executive Director



National Highway Institute

Certificate of Training

ARI DEITCH

has participated in

**FHWA-NHI-133121 Traffic Signal Design
and Operation**

hosted by

LA DOTD/LTRC

Date: August 16-17, 2017

Location: Baton Rouge, LA

Hours of Instruction: 11

[Signature]
Instructor

[Signature]
Instructor

Allison H. Landry
Local Coordinator

Valerie Briggs
Valerie Briggs, Director
National Highway Institute



Certificate of Completion

presented to

Ari Deitch

for completing the

Traffic Engineering Analysis Process & Report Module 1

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

Professional Development
Hours (PDHs) Awarded: 2

Poly Colvane
Authorized Instructor

Ari Deitch
Authorized Instructor

P. G. P. P.
Authorized instructor



Certificate of Completion

presented to

Ari Deitch

for completing the

Traffic Engineering Analysis Process & Report Module 2

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

Professional Development
Hours (PDHs) Awarded: 3

Poly Colvane
Authorized Instructor

Ari Deitch
Authorized Instructor

P. G. P. P.
Authorized instructor



Certificate of Completion

presented to

Ari Deitch

for completing the

Traffic Engineering Analysis Process & Report Module 3

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

Professional Development
Hours (PDHs) Awarded: 3

Poly Colvane
Authorized Instructor

Ari Deitch
Authorized Instructor

P. G. P. P.
Authorized instructor



Transportation Professional Certification Board Inc.

certifies that

Justin M. Maderia

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

PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

*unless withdrawn by the Certification Board and subject to the provisions for renewal.
Certificate number 3455 issued in Washington, D.C., U.S.A.
July 22, 2013*

Timothy D. Harp
Chair



James W. Hulse
Executive Director

Transportation Professional Certification Board, Inc.

certifies that

Justin M. Maderia

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

Professional Transportation Planner


*unless withdrawn by the Certification Board and subject to the provisions for renewal.
Certificate number 604 issued in Washington, DC, U.S.A.*

7/19/17

Michael K. Park
Chair



Jeffrey F. Pantiati
Executive Director

 <p>LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com</p>	
<p>Mr. Justin Michael Maderia</p>	
License/Certificate Type - Number	Expiration Date
PE.0038492	03/31/2024
<p>Status: Active</p>	
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>	

Certificate of Completion

presented to

Justin Maderia

for completing the

Traffic Engineering Analysis Process & Report Module 1

Date: January 29, 2020
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 2.5

Polys Colvane
Authorized Instructor

John Holt
Authorized Instructor

Robert J. Bunnell
Authorized instructor



Certificate of Completion

presented to

Justin Maderia

for completing the

Traffic Engineering Analysis Process & Report Module 2

Date: January 29, 2020
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 3.5

Polys Colvane
Authorized Instructor

John Holt
Authorized Instructor

Robert J. Bunnell
Authorized instructor



Certificate of Completion

presented to

Justin Maderia

for completing the

Traffic Engineering Analysis Process & Report Module 3

Date: January 30, 2020
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 3.5

Polys Colvane
Authorized Instructor

John Holt
Authorized Instructor

Robert J. Bunnell
Authorized instructor





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

Mr. Thomas Jude Montz Jr.

License/Certificate Type - Number

PE.0039128

Expiration Date

09/30/2024

Status: **Active**

Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).

LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.

Transportation Professional Certification Board, Inc.

certifies that

Thomas Jude Montz, Jr.

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

Professional Traffic Operations Engineer

*unless withdrawn by the Certification Board and subject to the provisions for renewal.
Certificate number 4098 issued in Washington, DC, USA
7/18/2016*

Kenneth W. Acheret
Chair



Jeffrey F. Piniati
Executive Director

Transportation Professional Certification Board, Inc.

certifies that

Thomas Jude Montz, Jr.

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

Professional Transportation Planner

*unless withdrawn by the Certification Board and subject to the provisions for renewal.
Certificate number 599 issued in Washington, DC, USA*

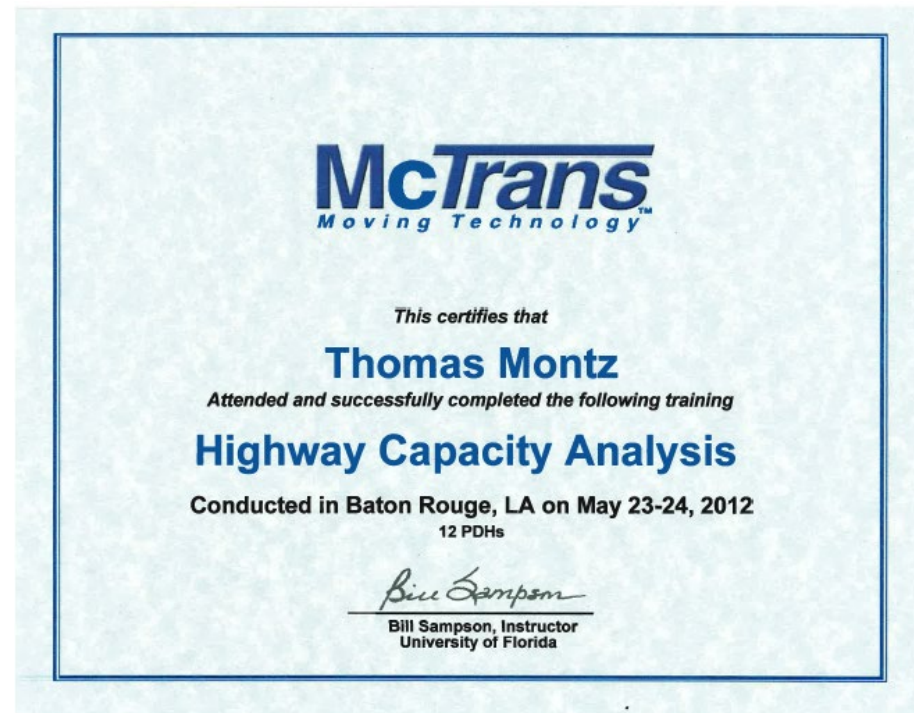
8/15/17

Michael R. Park
Chair



Jeffrey F. Piniati
Executive Director







*The American Traffic Safety
Services Association*

Hereby recognizes that

Thomas Montz
has attended
**Traffic Control Technician-LA State Specific
Training Course**

7/10/2019 to 7/10/2019
Date

New Orleans, LA
Location



Jessica Abington
Training & Products Dept. Director
Ryan A. Montz
President, CEO

*The American Traffic Safety
Services Association*

Hereby recognizes that

Thomas Montz
has attended
**Traffic Control Supervisor-LA State Specific
Training Course**

7/11/2019 to 7/12/2019
Date

New Orleans, LA
Location



Jessica Abington
Training & Products Dept. Director
Ryan A. Montz
President, CEO

Certificate of Completion

presented to

Thomas Montz

for completing the

Traffic Engineering Analysis Process & Report Module 1

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

Professional Development
Hours (PDHs) Awarded: 2

Poly Colvane
Authorized Instructor

Jim Holt
Authorized Instructor

D. G. Parnell
Authorized instructor



Certificate of Completion

presented to

Thomas Montz

for completing the

Traffic Engineering Analysis Process & Report Module 2

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

Professional Development
Hours (PDHs) Awarded: 3

Poly Colvane
Authorized Instructor

Jim Holt
Authorized Instructor

D. G. Parnell
Authorized instructor



Certificate of Completion

presented to

Thomas Montz

for completing the

Traffic Engineering Analysis Process & Report Module 3

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

Professional Development
Hours (PDHs) Awarded: 3

Poly Colvane
Authorized Instructor

Jim Holt
Authorized Instructor

D. G. Parnell
Authorized instructor





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

Mr. Sridhar Basetty

License/Certificate Type - Number

PE.0038950

Expiration Date

09/30/2024

Status: **Active**

Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).

LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.

Transportation Professional Certification Board Inc.

certifies that

Sridhar Basetty

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

PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

unless withdrawn by the Certification Board and subject to the provisions for renewal.

Certificate number 3682 issued in Washington, D.C., U.S.A.

August 1, 2014

Timothy D. Harpest
Chair



James W. Basetty
Executive Director

Transportation Professional Certification Board, Inc.

certifies that

Sridhar Basetty

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

Professional Transportation Planner

unless withdrawn by the Certification Board and subject to the provisions for renewal.

Certificate number 626 issued in Washington, DC, USA

7/18/2016

Kenneth W. Akeret
Chair



Jeffrey F. Paniati
Executive Director

Congratulations!
Sridhar Basetty

You have completed

**Traffic Engineering Analysis Process & Report Class
Modules 1, 2 & 3**

Date: April 27-28, 2023

Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 8.50

John H. Basetty
Authorized Instructor

John H. Basetty
Authorized instructor



Transportation Professional Certification Board, Inc.

certifies that

Max Aguirre

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

Road Safety Professional

unless withdrawn by the Certification Board and subject to the provisions for renewal.

Certificate number 636 issued in Washington, DC, USA

8/3/2021

Deborah Snyder
Deborah Snyder
Chair



Jeffrey F. Panzini
Jeffrey F. Panzini
Executive Director



Certificate of Completion

presented to

Max Aguirre

for completing the

Traffic Engineering Analysis Process & Report Module 1

Date: January 29, 2020
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 2.5

Poly A. Colina
Authorized Instructor

John H. Hitt
Authorized Instructor

Robert G. Brumfield
Authorized instructor



Certificate of Completion

presented to

Max Aguirre

for completing the

Traffic Engineering Analysis Process & Report Module 2

Date: January 29, 2020
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 3.5

Poly A. Colina
Authorized Instructor

John H. Hitt
Authorized Instructor

Robert G. Brumfield
Authorized instructor



Certificate of Completion

presented to

Max Aguirre

for completing the

Traffic Engineering Analysis Process & Report Module 3

Date: January 30, 2020
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 3.5

Poly A. Colina
Authorized Instructor

John H. Hitt
Authorized Instructor

Robert G. Brumfield
Authorized instructor



Transportation Professional Certification Board, Inc.

certifies that

Jose Manuel Rodriguez

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

Road Safety Professional

unless withdrawn by the Certification Board and subject to the provisions for renewal.

Certificate number 160 issued in Washington, DC, USA

12/21/2018

Diane Morabito
Diane Morabito
Chair



Jeffrey F. Paniati
Jeffrey F. Paniati
Executive Director

Certificate of Attendance

Jose M Rodriguez

has participated in the online webinar

Seeing the Value: Using CMFs to Calculate the Benefits of Safety Improvements

conducted by:



Date: **Dec. 6, 2016**

Hours of instruction: **1.5**

Daniel Carter, CMF Clearinghouse manager
Training Coordinator/Instructor

Certificate of Completion

presented to

Jose M. Rodriguez

for completing the

Traffic Engineering Analysis Process & Report Module 1

Date: January 29, 2020
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 2.5

Felix Colina
Authorized Instructor

Jim Holt
Authorized Instructor

Robert Brummett
Authorized instructor



Certificate of Completion

presented to

Jose M. Rodriguez

for completing the

Traffic Engineering Analysis Process & Report Module 2

Date: January 29, 2020
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 3.5

Felix Colina
Authorized Instructor

Jim Holt
Authorized Instructor

Robert Brummett
Authorized instructor



Certificate of Completion

presented to

Jose M. Rodriguez

for completing the

Traffic Engineering Analysis Process & Report Module 3

Date: January 30, 2020
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 3.5

Felix Colina
Authorized Instructor

Jim Holt
Authorized Instructor

Robert Brummett
Authorized instructor





U.S. Department
of Transportation
**Federal Highway
Administration**

National Highway Institute



Certificate of Training

Bliss Kelley

has participated in

FHWA - NHI Course No. 142005

NEPA and the Transportation Decision-making Process (3 Days)

hosted by

LA DOTD/LTRC

Date: December 8-10, 2015

Hours of Instruction: 18

Location: Baton Rouge, LA



Instructor



Instructor



Local Coordinator



**Valerie Briggs, Director
National Highway Institute**

Certificate of Completion

presented to

Bliss Bernard

for completing the

Traffic Engineering Analysis Process & Report Module 1

Date: January 29, 2020

Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 2.5



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

Bliss Bernard

for completing the

Traffic Engineering Analysis Process & Report Module 2

Date: January 29, 2020

Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 3.5



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

Bliss Bernard

for completing the

Traffic Engineering Analysis Process & Report Module 3

Date: January 30, 2020

Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 3.5



Authorized Instructor



Authorized Instructor



Authorized instructor





Dear Certified Flagger:

Enclosed, please find your card signifying you as an ATSSA Certified Flagger. This card should be carried and presented to employers while performing work on our nation's roadways. Please be aware that the card is not valid without a Photo I.D.

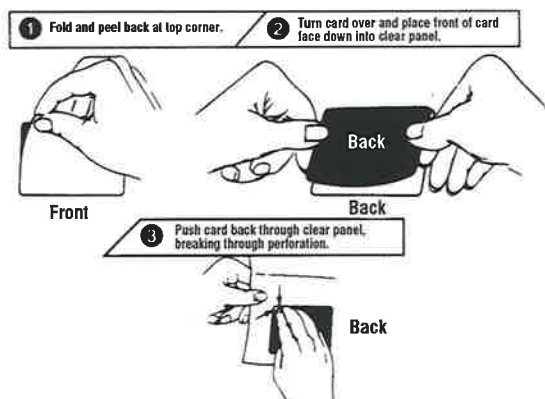
We commend you on your decision to become an ATSSA Certified Flagger. This distinction reflects that you have been trained by the leader in roadway safety and also entitles you to be listed on our National Flagger Database. Please review your state requirements for expiration of your flagger card. Also, please inform us of any errors or changes in your name or address so we may keep our records up to date.

Once again, ATSSA thanks you for your dedication to ensuring that our work zones are safe and that lives will be saved with proper training. Please visit our website at www.atssa.com for additional training courses and work zone safety products.

Sincerely,

Director of Training

Laminating the front of your card with Dual Laminate:



American Traffic Safety Services Association
 15 Riverside Parkway, Suite 100 • Fredericksburg, VA 22406-1077
 Office: 540-368-1701 • Toll-Free: 800-272-8772 • Fax: 540-368-1717
www.atssa.com



U.S. Department
Of Transportation
Federal Highway
Administration

National Highway Institute



NATIONAL HIGHWAY INSTITUTE

Training Solutions for Transportation Excellence

Certificate of Training

Laura Carnes

has participated in

NEPA and Transportation Decision Making

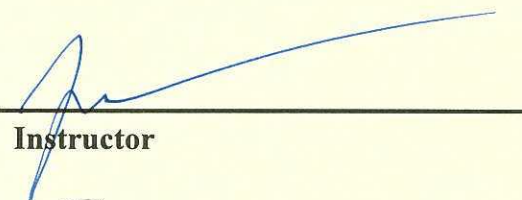
hosted by

LA DOTD/LTRC

Date: March 4-6, 2008

Hours of Instruction: 18


Location: Baton Rouge, Louisiana



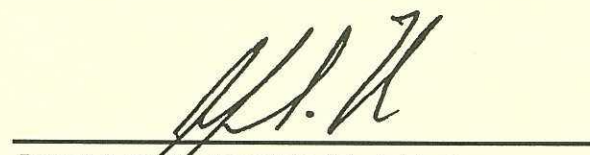
Instructor



Local Coordinator



Instructor



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

Certificate of Attendance

presented to

Jeff Robinson

for attending the

*National Environmental Policy Act (NEPA)
and Transportation Decision Making*

and for having been awarded 18 Professional Development Hours

December 3- 5, 2002

Date

Baton Rouge, LA

Location

Sandra Romero

Authorized By

LTRC
Louisiana Transportation Research Center

Congratulations!

Joey Mingo

You have completed

Traffic Engineering Analysis Process & Report Class

Modules 1, 2 & 3

Date: August 17-18, 2022
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 8.50



Authorized Instructor



Authorized instructor



Congratulations!

Cal Joy

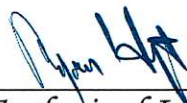
You have completed

Traffic Engineering Analysis Process & Report Class

Modules 1, 2 & 3

Date: August 17-18, 2022
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 8.50



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

Christopher Nipper

for completing the

Traffic Engineering Analysis Process & Report Module 1

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

*Professional Development
Hours (PDHs) Awarded:* 2.5



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

Christopher Nipper

for completing the

Traffic Engineering Analysis Process & Report Module 2

Date: November 26, 2018
Location: Baton Rouge, Louisiana

*Professional Development
Hours (PDHs) Awarded:* 3.5


Authorized Instructor


Authorized Instructor


Authorized instructor



Certificate of Completion

presented to

Christopher Nipper

for completing the

Traffic Engineering Analysis Process & Report Module 3

Date: December 3, 2018

Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 3



Authorized Instructor



Authorized Instructor



Authorized instructor





LOUISIANA UNIFIED CERTIFICATION PROGRAM

Disadvantaged Business Enterprise Program (DBE)

Small Business Element (SBE)

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

GULF SOUTH RESEARCH CORPORATION

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

NC541620

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

Certificate Eligibility: June 2021 to June 2022

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

Paula Roddy, Compliance Programs Director

Louisiana Department of Transportation & Development



WETLAND TRAINING INSTITUTE, INC.

171 Golden Drive
Briggsville, WI 53920
(608: 981-2150)
c.j.newling@att.net
www.wetlandtraining.com

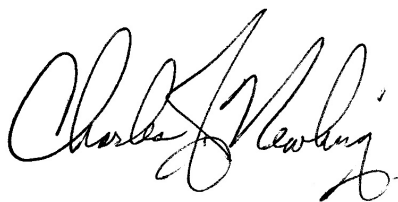
January 22, 2013

SUBJECT: Verification of attendance and completion of the
Basic Wetland Delineation course by Howard Nass.

To Whom It May Concern:

This is to verify that Howard Nass attended and successfully completed the Basic Wetland Delineation course conducted by the Wetland Training Institute during the period of November 17-20, 1992 in Houston, TX of which I served as the lead instructor. If you have any questions, please, feel free to contact me at my home office. My contact information is listed in the heading above.

Sincerely,

A handwritten signature in black ink, appearing to read "Charles J. Newling". The signature is fluid and cursive, with the first name "Charles" and last name "Newling" clearly distinguishable.

Charles J. Newling, PWS, CWB, CWD
Senior Vice-President



THE
Register of Professional Archaeologists

Certifies that

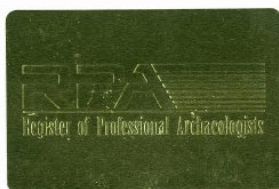
Bretton M. Somers, M.A., RPA

Has met all professional qualifications
and has been accredited as a

Registered Professional Archaeologist

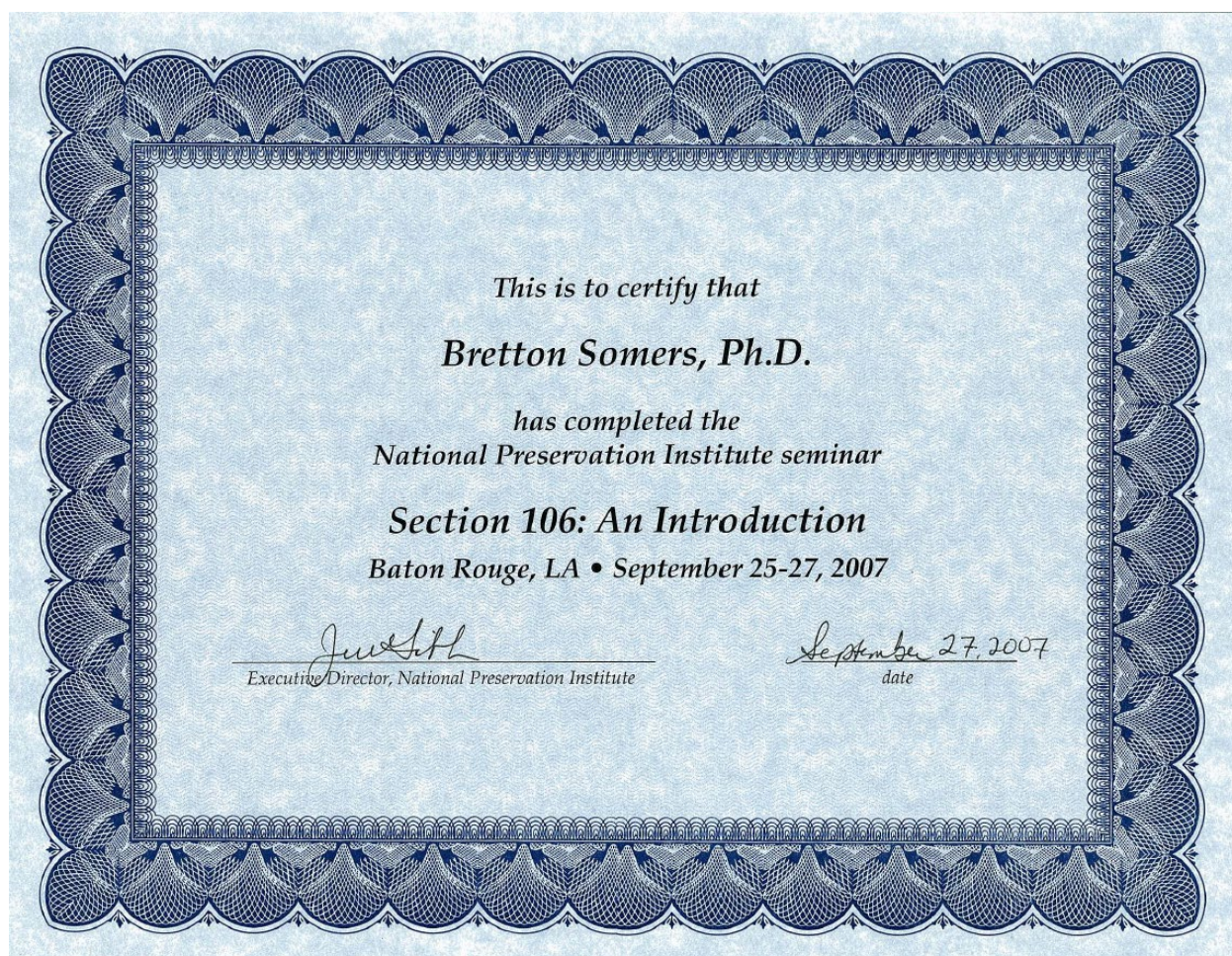
Charles M. Pfeiffer Jr.

President



4/20/2005

Date





LOUISIANA UNIFIED CERTIFICATION PROGRAM

Disadvantaged Business Enterprise Program (DBE)

Small Business Element (SBE)

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

Marmillion Gray Media, Inc.

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

NC541820

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

Certificate Eligibility: February 2022 to February 2023

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

Rhonda Wallace

Rhonda Wallace, DBE/SBE Programs Manager

Louisiana Department of Transportation & Development



LOUISIANA UNIFIED CERTIFICATION PROGRAM

Disadvantaged Business Enterprise Program (DBE)

Small Business Element (SBE)

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

Lakvold Group, LLC

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

NC531320

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

Certificate Eligibility: July 2022 to July 2023

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

Rhonda Wallace

Rhonda Wallace, DBE/SBE Programs Manager

Louisiana Department of Transportation & Development

21. QA/QC Plan:

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

22. Sub-consultant information:

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

Firm Name (Name must match as registered with Louisiana's Secretary of State)	Address	Point of Contact and email address	Phone Number
G.E.C., INC.	8282 Goodwood Blvd., Baton Rouge, LA 70806	Bliss Kelley Bernard, PE bbernard@gecinc.com	225 612 4103
BUCHART-HORN, INC.	18163 East Petroleum Drive, Suite A Baton Rouge, LA 70809-6104	James Q. Dickerson, III, PE, PS jdickerson@bucharthorn.com	225 755 2120
MARMILLION GRAY MEDIA, INC. <i>DBE</i>	838 North Boulevard Baton Rouge, LA 70802	Rannah Gray Rannah@rannahgray.com	225 381 3036
SJB GROUP, L.L.C.	8377 Picardy Avenue Baton Rouge, LA 70809	Matthew Estopinal, PE, PLS Matt.Estopinal@SJBGroup.com	225 769 3400
GULF SOUTH RESEARCH CORPORATION <i>DBE</i>	8081 Innovation Park Dr. Baton Rouge, LA 70820	Suna Adam suna@gsrcorp.com	225 757 8088
THE LAKVOLD GROUP LLC <i>DBE</i>	4520 Jamestown Avenue, Suite 1 Baton Rouge, LA 70808	Angela Lemoine-Lakvold, MAI, SRA, R/Q-AC	225 248 9984

(Add rows as needed)

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.**

"It is my great pleasure to provide this reference letter for an outstanding performance by Arcadis' staff on this project. From scope development, to project planning, to budget and schedule control, to technical quality and delivery, its execution was flawless. Arcadis went above and beyond to successfully deliver this project and significantly exceeded our expectations, especially through communication and outreach. The success of this project has been showcased in many professional conferences and meetings. I would very strongly recommend Arcadis' safety services, and we look forward to working with them again."

April Renard, PE, PTOE, LADOTD Project Manager, LA 3235 Stage 0 Feasibility Study

Arcadis

10352 Plaza Americana Drive
Baton Rouge, LA 70816

T 225 292 1004

www.arcadis.com



www.arcadis.com



Arcadis



Arcadis North America



@ARCADIS_US

***Drone image of LA 429 Connector Interchange
location facing Northwest from West of I-10.***