ECM

STATEMENT OF QUALIFICATIONS

CONTRACT NO. 4400030378

IDIQ CONTRACT FOR DESIGN SERVICES STATEWIDE WITH MAJORITY OF WORK IN DISTRICTS 61 & 62

Submitted To:

Department of Transportation & Development
Consultant Contract Services Administrator
1201 Capitol Access Road, Room 405-E
Baton Rouge, LA 70802
Via email: DOTDConsultantAds80@la.gov

Submitted By:

ECM Consultants, Inc.
8048 One Calais Avenue, Suite F
Baton Rouge, Louisiana 70809
Telephone: 504-885-4080 • Fax: 504-885-1439
ujjal@ecmconsultants.com

In Association with:
SJB Group, LLC
APS Engineering and Testing, LLC
Arcadis U.S., Inc.

October 15, 2024

ECM Consultants, Inc.

Engineers • Architects • Construction Managers

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October 15, 2024

Mr. Michael "Mike" Gorbaty
Consultant Contract Services Administrator
DOTDConsultantAds80@la.gov
Department of Transportation and Development
1201 Capital Access Road, Room 405-E
Baton Rouge, LA 70802

Re: IDIQ Contract for Design Services Statewide with Majority of Work in Districts 61 & 62
Contract No. 4400030378

Dear Mr. Gorbaty:

ECM Consultants, Inc., a Louisiana based consulting engineering firm, is pleased to submit an electronic PDF of our Statement of Qualifications in the most current version of the DOTD Form 24-102, dated September 17, 2024, in response to the Request for Qualifications for the above-referenced contract.

ECM Consultants, Inc. has experience in providing roadway, drainage and utilities design services, as well as project management, and required construction phase services for various local and state agencies. Examples of our relevant experience include Severn Avenue Corridor Reconstruction for Jefferson Parish DPW, Napoleon Avenue Rehabilitation for S&WB of New Orleans, Glen Oak Drive for the City of Baton Rouge, Rehabilitation of Lapalco Blvd. and West Metairie Avenue Bridge Replacement for Jefferson Parish.

As our statement of qualifications will indicate, the ECM Team substantially exceeds the minimum personnel requirements as stated in the Request for Qualifications. Our Team includes qualified professionals with the required licenses, certifications, and experience to provide design of services for this contract. Our Principal, Project Manager, Engineers and CAD Technicians have considerable experience in providing services for LADOTD and other client's projects.

Our team consists of highly qualified staff, with the required licenses, certifications, and experience to provide exceptional services for this project. We have included SJB Group, LLC for Survey services, APS Engineering and Testing, LLC (DBE) for Geotechnical Investigations and testing and Arcadis U.S., Inc for traffic engineering.

We appreciate the opportunity to submit this statement of qualifications and hope our interest will receive favorable consideration. Should you have any questions or require any additional information, please contact us.

Respectfully submitted,

Ujjal DasGupta, P.E.
President

DOTD FORM: 24-102

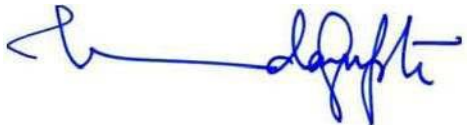
(Revised September 17, 2024)

PROPOSAL TO PROVIDE CONSULTANT SERVICES

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

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

1. Contract Name as shown in the advertisement	**IDIQ CONTRACT FOR DESIGN SERVICES STATEWIDE WITH MAJORITY OF WORK IN DISTRICTS 61 & 62**
2. Contract Number(s) as shown in the advertisement	**4400030378**
3. State Project Number(s), if shown in the advertisement	**NA**
4. Prime consultant name **(name must match exactly as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; include screenshot from SOS at the end of Section 20)**	***ECM Consultants, 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.0002003** **UEI # CKRMJU7MD296, DUNS: 957392723**
6. Prime consultant mailing address	**1301 Clearview Parkway, Suite 200** **Metairie, LA 70001**
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	**8048 One Calais Avenue, Suite F** **Baton Rouge, LA 70809**
8. Name, title, phone number, and email address of prime consultant's contract point of contact	**Kazem Alikhani, P.E.** **CEO** **O: (504) 885-4080, C: (504) 352-8531** **kazem@ecmconsultants.com**
9. Name, title, phone number, and email address of the official with signing authority for this proposal	**Ujjal DasGupta, P.E.** **President** **O: (504) 885-4080, C: (504) 231-7605** **ujjal@ecmconsultants.com**

10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response. **Pursuant to Act No. 581 of the 2024 Louisiana Legislature Regular Session, proposer further certifies that it does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association based solely on the entity's or association's status as a firearm entity or firearm trade association. In addition, proposer certifies it will not discriminate against a firearm entity or firearm trade association during the term of the contract based solely on the entity's or association's status as a firearm entity or firearm trade association.**	Signature (shall be the same person as #9):  Date: October 15, 2024
11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.	Firm(s): **APS** Firm(s)' %: **6%**

Prime consultant name: ***ECM Consultants, Inc.***

12. Past Performance Evaluation Discipline Table:

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

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

Past Performance Evaluation Discipline(s)	% of Overall Contract	Prime **ECM**	Firm B **SJB**	Firm C **APS (DBE)**	Firm D **Arcadis**	**must total to 100%**
Road	**58%**	**100%**				100%
Survey	**28%**		**100%**			100%
Geotech	**6%**			**100%**		100%
Traffic	**8%**				**100%**	100%
Identify the percentage of work for the **overall contract** to be performed by the prime consultant and each sub-consultant.						
Percent of Contract	**100%**	**58.0%**	**28.0%**	**6.0%**	**8.0%**	-------

13. Firm Size:

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

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)
ECM Consultants, Inc.	Principal	1	2
ECM Consultants, Inc.	Supervisor - Eng	3	8
ECM Consultants, Inc.	Engineer	6	10
ECM Consultants, Inc.	CADD Technician	2	3
APS Engineering & Testing	Supervisor - Eng	1	2
APS Engineering & Testing	Engineer	1	2
SJB Group, L.L.C.	Surveyor	2	4
Arcadis, U.S. , Inc.	Supervisor - Eng	1	7
Arcadis, U.S. , Inc	Engineer	2	9

14. Organizational Chart:

Provide an organizational chart showing ALL **relevant** prime consultant and sub-consultant (if applicable) personnel assigned to the contract, area of project responsibility for each, and reporting lines for the purposes of this contract. An individual's role does not necessarily have to match the DOTD job classification identified in Section 13.

If applicable, identify all personnel performing traffic engineering analysis and/or QC of traffic engineering analysis by placing an asterisk next to their name. Include the certificates required by the Traffic Engineering Process and Report Training Requirements article of the Advertisement in Section 20.

It is acceptable to use an 11x17 format for Section 14.

CONTRACT NO. 4400030378
IDIQ CONTRACT FOR DESIGN SERVICES STATEWIDE WITH MAJORITY OF WORK IN DISTRICTS 61 & 62

Certifications
■ Work Zone Traffic Ctrl. Flagger/Tech/Supervisor

ECM Consultants, Inc.
(Prime)

Principal /Point of Contact
Ujjal Dasgupta, PE. ■

Project Manager
Kazem Alikhani, P.E. ■

Surveyors (SJB)
Matthew Estopinal, P.L.S. ■
Charles Tim Brewer, P.L.S. ■

Geotechnical Investigations & Testing (APS)
Sergio Aviles, PE ■
Sairam Eddanapudi, P.E.

Design Engineers (ECM)
Sunina Shrestha, PE ■
Sudhir Mehta, PE
John Foley, PE ■
Missy Reynolds, EI ■
Kumar Ambati, E.I. ■

CAD Services
Marvin May
Alexandra Dupuis

Traffic Engineers (Arcadis)
Akhil Chauhan, PE, PTOE
Ari Deitch, PE, PTOE, PTP, RSP ■
Max Aguirre, PhD, PE, RSP, PTOE ■

Construction Support (ECM)
Chris Capretto, PE ■
Blake Guidry, P.E. ■

Constructability/Biddability Reviews and QA/QC (ECM)
Chad Vosburg, P.E. ■

Project Team and Role

Prime:
ECM: Project management, Coordination, Design, PS&E, QA/QC and Construction Administration

Subconsultants:
SJB: Surveying

APS (DBE): Geotechnical Investigations and Testing

Arcadis, U.S., Inc.: Traffic Engineering

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	License / certification expiration date
1	Ujjal DasGupta, P.E. *(54 years' experience)*	ECM Consultants, Inc. *(Prime)*	Civil Engineer Professional Engineer PE.0019849	LA	PE.0019849 Exp. 09/30/2025
	Kazem Alikhani, P.E. *(44 years' experience)*	ECM Consultants, Inc. *(Prime)*	Mechanical Engineer, Professional Engineer PE.0025073	LA	PE.0025073 Exp. 03/31/2026
2	Ujjal DasGupta, P.E. *(54 years' experience)*	ECM Consultants, Inc. *(Prime)*	Civil Engineer Professional Engineer PE.0019849	LA	PE.0019849 Exp. 09/30/2025
	Chad Vosburg, P.E. *(31 years' experience)*	ECM Consultants, Inc. *(Prime)*	Civil Engineer Professional Engineer PE.0027677	LA	PE.0027677 Exp. 09/30/2026
3	Ujjal DasGupta, P.E. *(54 years' experience)*	ECM Consultants, Inc. *(Prime)*	Civil Engineer Professional Engineer PE.0019849	LA	PE.0019849 Exp. 09/30/2025
	Sunina Shrestha P.E. *(17 years' experience)*	ECM Consultants, Inc. *(Prime)*	Civil Engineer Professional Engineer PE.0037901	LA	PE.0037901 Exp. 09/30/2025
	John Foley, III, P.E. *(10 years' experience*	ECM Consultants, Inc. *(Prime)*	Civil Engineer Professional Engineer PE.0042740	LA	PE.0042740 Exp. 03/31/2025
	Christopher Capretto, P.E. *(15 years' experience)*	ECM Consultants, Inc. *(Prime)*	Civil Engineer Professional Engineer PE.0038641	LA	PE.0038641 Exp. 09/30/2025
4	Matthew Estopinal, P.E, PLS *(17 years' experience)*	SJB Group, L.L.C. (Sub)	Civil Engineer Professional Engineer PE.0039151 Professional Land Surveyor PLS.0004955	LA	PE. 0039151 PLS.0004955 Exp. 3/31/2025

Prime consultant name: ***ECM Consultants, Inc.***

16. **Staff Experience:**

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

Firm employed by ***ECM Consultants, Inc.***				
Name	**Ujjal DasGupta, P.E.**		Years of relevant experience with this employer	**29**
Title	**President**		Years of relevant experience with other employer(s)	**25**
Degree(s) / Years / Specialization			**B.S. / 1968 / Civil Engineering;** ATSSA Work Zone Traffic Control Flagger, Technician & Supervisor; LPA Core Training Module	
Active registration number / state / expiration date			**19849 / LA / 9-2025**	
Year registered	**1982**	Discipline	**Civil Engineering**	
Contract role(s) / brief description of responsibilities			**Mr. DasGupta will serve as Principal-in-charge for this contract. Mr. DasGupta meets the minimum requirement of one registered professional engineer in Louisiana per MPR Nos.1, 2 and 3.**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
54 Years of experience	*Mr. DasGupta has over 54 years of experience in, project management, civil and structural engineering design, as well as construction management, construction engineering & inspection (CE&I) services for a wide variety of roadway, bridges, drainage, and utilities projects.*
03/15-09/22	**Severn Ave. Corridor Improvements, Jefferson Parish, LA.:** Mr. DasGupta served as **Principal** for this $12 million project involving removal and replacement of the existing 6-lane PCC roadway. Work also included improvement to all side street intersections, ADA compliant sidewalks and ramps at all intersections, driveway aprons, new brick paver sidewalk, new bicycle lane, additional turn lanes, street lighting, pedestrian lighting, modifications to traffic signals, pedestrian signal, landscaping and ten parklets with associated amenities in the corridor. Design conformed to LADOTD Std. Specifications for Roads & Bridges.
08/14 – 02/17	**Glen Oaks Drive, City of Baton Rouge DPW; Baton Rouge, LA:** Mr. Dasgupta served as **Principal** for design and preparation of Plans, specifications, and estimates (PS&E) for this **$10 million** roadway improvement project. Scope included design for construction **of a three-lane roadway** with concrete curb and gutter, **roadway intersection** improvements, sidewalks and ADA compliant ramps at intersections and **subsurface drainage** improvements along a one-mile existing Urban Collector roadway. Based on the **traffic study** performed, dedicated left turn lanes were added at several streets intersecting Glen Oaks Drive.
01/05-12/08	**Lapalco Boulevard (US 90 to Segnette), Jefferson Parish/LADOTD; Jefferson Parish LA:** Mr. DasGupta served as **project manager** for this **$11 million** project involving construction contract administration and CE&I services. Work included rehabilitation of an existing two-lane asphalt roadway that involved cold planing, widening, class II base course, Superpave asphaltic concrete and new construction of two additional lanes, including widening of an existing bridge, construction of a new cast-in-place prestressed concrete girder bridge, and construction of several box culverts. New roadway included embankment, class II base course, asphaltic base and wearing courses, striping and traffic signals. He was responsible for overall supervision of the project

08/07-12/08	**Improvements to Manhattan Blvd. (11th St to Gretna Blvd.), Jefferson Parish, LA (2005-2007):** Mr. DasGupta served as **Project Manager** for this **$1.3 million** project involving engineering design, preparation of plans and specifications, cost estimates, construction administration, and construction engineering and inspection for asphaltic roadway and intersection improvements to Manhattan Boulevard from 11th Street to Gretna Boulevard. The scope included cold planning of existing road, damaged panel replacement, clean drain lines, repair/replace concrete curb, asphaltic concrete overlay, striping & replacement of traffic signal loop detectors.
01/11-05/13	**Napoleon Avenue Reconstruction (***S. Claiborne to Carondelet Street),* **City of New Orleans, LA:** Mr. Dasgupta served as ECM's **Project Manager** for reconstruction of this 4-Lane divided roadway with bike lane, parking lane and grass median**.** This major collector road is located in residential and commercial areas. This $55 million project involved reconstruction of Napoleon Avenue in conjunction with construction of a major drainage box culvert in the roadway median under SELA program. Construction costs for **roadway,** drainage and all utilities work for ECM's scope was about **$21 million.**
10/05-08/07	**Rehabilitation of Lapalco Boulevard (Timberlane to Belle Chasse Hwy, Phases I, II, & III), Jefferson Parish DPW/LADOTD:** Mr. DasGupta served as **Project Manager** for this **$3.9 million project** involving cold planing, base repair, adjusting catch basins, curb repairs, asphalt leveling course and wearing course overlay, striping, adding new guardrails, and reconstruction of bridge approach slabs. The limit of the project was **Phase I** (Belle Chasse Hwy. to Wall Blvd.), **Phase II** (Wall Blvd. to Timberlane Dr.), and **Phase III** (Timberlane Dr. to Manhattan Blvd.). Scope of work included design; preparation of plans, specifications, and estimates; and construction phase services. Project design also included ADA compliant ramps at each street intersection, crosswalk striping at pedestrian crossings, replacement of damaged sidewalks and curbs, and adding safety guard rails at canal crossings, sharp curves and along hard objects on the roadsides.
04/15-10/19	**Strain Road Bridge, City of Baton Rouge/East Baton Rouge DPW, Baton Rouge, LA:** Mr. Dasgupta served as **Project Principal** for design engineering services for the replacement of Strain Road Bridge. Work consisted of hydrologic design, study, topographic survey, and preparation of a design report with two alternatives for replacement of the existing bridge. The first alternative included the replacing of existing bridge with two 60 foot long, 8' x 8' box culverts with 150 feet of channel improvement and second included replacing existing bridge with **a** new 100-foot-long **bridge** with some channel improvement downstream of the channel. Based on the benefit cost analysis (BCA), first alternative was selected by the city. ECM provided the design services and prepared plans for construction of two- barrel 8' x 8' **box culverts** and an asphalting concrete roadway section. The existing approach roadway which is a two-lane asphaltic concrete street with subsurface drainage system was widened for a length 225 ft. for widening of the bridge to conform to LADOTD design guidelines
Ongoing	**Latigue Road (Live Oak to River Rd), Jefferson Parish DPW, Jefferson Parish, LA:** Mr. DasGupta served as **Project Manager** for this two-phase project to design a new two-lane roadway and drainage system and to remove and reconstruct existing roadways, curbs and gutters, drainage, striping, and relocate utilities. ECM provided design services that included establishing roadway alignment, selection of the typical section, preliminary cost estimates, and preparation of plans, specifications and final cost estimates for this $7.5 million new roadway and reconstruction project. The new roadway phase included survey, geotechnical investigation, pavement section design, hydraulic analysis for drainage, major drainage improvements, striping and a new traffic signal.
10/15-11/17	**Gravier Street Improvements (Between South Galvez and South Broad), City of New Orleans-DPW, New Orleans, LA:** Mr. Dasgupta served as **Project Principal** for this **$5.8 million project** which consisted of design, preparation of plans and specifications, and cost estimates (PS&E) for roadway reconstruction including storm drainage, sidewalk improvements, and water & sewer improvements. The project involved extensive coordination with the Sewerage and Water Board and other utility entities regarding both vertical and horizontal location of utilities. ECM provided all services required for topographic survey (through subconsultant), preparation of preliminary plans, final plans, specifications, construction administration, resident inspection services, and bid documents

16. Staff Experience:

Firm employed by **ECM Consultants, Inc.**					
Name	**Kazem Alikhani, P.E.**		Years of relevant experience with this employer	**8**	
Title	**Chief Executive Officer / Project Manager**		Years of relevant experience with other employer(s)	**36**	
Degree(s) / Years / Specialization			**M.S./1984/Engineering Concentration in Civil, Hydraulic & Hydrology** **B.S./1980/Mechanical Engineering.** **ATSSA Work Zone Traffic Control Flagger, Technician & Supervisor'**		
Active registration number / state / expiration date			**25073/Louisiana/Exp. 03/31/2026**		
Year registered	**1992**	Discipline	**Mechanical & Environmental Engineering**		
Contract role(s) / brief description of responsibilities			**Mr. Alikhani will serve as Project Manager for this contract. He meets the minimum requirement of one registered professional engineer in Louisiana per MPR No. 1**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
44 years of experience	*As CEO of ECM, Mr. Alikhani serves as Project Manager for a variety of infrastructure projects, overseeing staff, budgets, timeline and working with owners, consulting firms and subconsultants to ensure timely and accurate project delivery. He spent the majority of his career working with the Jefferson Parish Department of Public Works. Mr. Alikhani has over 44 years of experience in public works projects including planning, design, and construction management. He spent a majority of his career working with the Jefferson Parish Department of Public Works and retired as the Director of Public Works, responsible for all public works functions*
09/16-11/17	**Glen Oaks Drive (Plank Rd. to McClelland Dr.), Baton Rouge DPW, Baton Rouge, LA:** As Project Manager, Mr. Alikhani provided project oversight for this **$10M project** involving engineering design for construction of a three-lane concrete curb and gutter roadway with sidewalks, pedestrian crossing and subsurface drainage on Glen Oaks Dr. from Plank Rd. to McClelland Dr. Glen Oaks is a one-mile existing Urban Collector roadway. Design included Improvements to **several intersections and addition of dedicated turn lanes at three intersections**. Scope also included topographic survey, **ROW survey and ROW plan preparation**, ADA ramps, subsurface drainage system design and H&H analysis.
03/15-09/22	**Severn Ave. Corridor Improvements, Jefferson Parish, DPW, Metairie, Jefferson Parish, LA:** Mr. Alikhani served as **Project Manager** for the construction of this **$14.2 million street** project. This project included drainage improvements including new trunk lines and catch basins along the length of the project, **PCC paving,** concrete curb, intersection improvements, ADA compliant sidewalks and ramps, driveway aprons, new 8' wide pedestrian friendly brick paver sidewalk, new street lighting, landscaping and ten parklets with associated amenities in the corridor
2016-2019	**City Park Neighborhood, Group - A, DPW- city of New Orleans, LA:** As **Project Manager,** Mr. Alikhani supervised the civil engineering design for this **$10.8 million** City Park Neighborhood Group – A project. Work includes **PCC pavement** reconstruction and milling, base repairs and asphalt overlay for the rehabilitations. The project included **hydraulic analysis**, **drainage design**, **roadway and intersections design**, **preparation of** plans, specifications, and cost estimates **(PS&E)** for 31 blocks of roadway in the neighborhood. Work also included sidewalks with ADA ramps, new drainage system and replacement of all water and sewer mains.

	Some streets under this project area are in Parkview Historic District and the design for these streets was done conforming to the FEMA guideline for the Historic Area.
Ongoing	**Latigue Road Extension (Live Oak to River Rd), Jefferson Parish DPW, Jefferson Parish, LA:** Mr. Alikhani is serving as **QA/QC Manager** for this two-phase project to design a new two-lane roadway and drainage system and to remove and reconstruct existing roadways, curbs and gutters, drainage, striping, and relocate utilities. ECM provided design services that included establishing roadway alignment, selection of the typical section, preliminary cost estimates, and preparation of plans, specifications and final cost estimates for this **$8.5 million** new roadway and reconstruction project. The new roadway phase included **topo and elevation survey, property survey and preparation of ROW plans**, geotechnical investigation, pavement section design, hydraulic analysis for drainage, major drainage improvements, striping and a new traffic signal.
08/07-12/08	**Manhattan Boulevard, Jefferson Parish, LA: While with Jefferson Parish -DPW,** Mr. Alikhani oversaw design and construction of this $3.5 million project to widen Manhattan Blvd. from Gretna Blvd. to the Westbank Expressway as well as the $2.5 million overlay project for this major thoroughfare. The project included preparation of right-of-way drawings and property acquisition.
10/16-02/18	**Gravier Street (South Galvez to Broad St), New Orleans, LA:** As **Project Manager**, Mr. Alikhani managed this **$5.8 million** roadway reconstruction project. ECM was responsible for overall performance of **design** and resident inspection services for the project that included roadway removal, roadway excavation, installation of new subsurface drainage from 18" to 42", 20" waterline, 8"- 15" sewer lines. Work included subbase, aggregate base, geotextile fabric, PCC roadways pavement, concrete sidewalks including ADA ramps, pedestrian crossing at all intersections and driveways.
11/16- 07/19	**Fleur De Lis Drive Reconstruction (30th-Old Hammond Hwy), LADOTD; Orleans Parish, LA:** Mr. Alikhani served as **Project Manager** for this **$12 million PCCP roadway** project **providing construction administration** and CE&I services for reconstruction of Fleur de Lis drive, a main artery in a residential corridor. The project scope includes roadway removal, excavation, grading, class II base course, Superpave asphaltic concrete pavement, Portland cement concrete pavement, as well as ADA accessible sidewalks, curb and gutter, driveways and removal/replacement of sewer force mains, water mains, drain lines and drainage structures. Mr. Alikhani oversaw, managed the project, supervised construction engineer and the inspectors and ensuring proper oversight of contractors' operations, maintaining documentation, preparing field changes and recording change orders, coordinating testing/sampling, conducting meetings, and communicating with City and LADOTD coordinators.
03/14-08/16	**Lapalco Boulevard Bridge over Harvey Canal: While working for Jefferson Parish -DPW,** Mr. Alikhani oversaw this **$5 million major bridge improvement project for repairs and rehabilitation**. This bascule bridge has two lanes of traffic in each direction and has a daily average traffic count of 21,000 vehicles. Following a comprehensive inspection, a detailed report was generated that included need for the repairs and determined the scope of work to be performed. Based on the inspection report, plans and specifications were prepared to repair concrete spalls in median barriers, roadway joints, exterior girders, columns, piers and parapet posts, repairs to cracks in the roadway deck, repair of spalls along the roadway deck edge at the curtainwall, replace loose, missing or deteriorated bolts, remove and replace lateral end connections, remove and replace clip angle, repair crack welds, replace steel pipe railing, replace span locking mechanism, adjust rear line load assemblies, bascule span balancing, replace brake shoes and adjust motor and machinery brakes, and adjust trunnion bearing clearance and other related items.

16. Staff Experience:

Firm employed by ***ECM Consultants, Inc.***			
Name	**Sunina Shrestha, P.E.**	Years of experience with this firm/employer	**16**
Title	**Engineering Manager**	Years of experience with other firm(s)/employer(s)	**1**
Degree(s) / Years / Specialization		**M.S. / 2008 / Civil Engineering**	
Active registration number / state / expiration date		**37901 / LA / 09/30/2025** She is a certified TCS	
Year registered	**2013**	Discipline	**Civil Engineering**
Contract role(s) / brief description of responsibilities		**Ms. Shrestha will serve as a Roadway Deign Engineer. She meets requirements for MPR No. 3.**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
17 years of experience	*Ms. Shrestha has 17 years' experience in hydraulic analysis, drainage studies and design, and **roadway design** involving reconstruction, rehabilitation, new construction as well as complete and smart streets. Her experience also includes preparation of PS&E and engineering review of designs and construction plans and specifications for various roadway projects.*
03/15-09/22	**Severn Avenue Corridor Improvements**, Jefferson Parish, DPW, Jefferson Parish, LA: Ms. Shrestha served as **project engineer** for **this six (6) lanes, $14.2 million project** on Severn Avenue from Veterans Boulevard to West Esplanade Avenue. She was responsible for design, coordination and preparation of plans, specifications, and estimates (PS&E) for the replacement of existing roadway with **PCC pavement,** concrete curb, sidewalks and driveway aprons with new 6-feet wide sidewalk and driveway aprons, replacement/upgrade of subsurface drainage, addition of turn lanes at 17th street and West Esplanade Avenue. The project involves traffic control planning to include sequential lane closures to maintain two lanes open at all times, and phased construction in order to accommodate seasonal traffic peaks as well as access to businesses.
08/14 – 02/17	**Glen Oaks Drive (Plank Rd. to McClelland Dr.), Baton Rouge DPW, Baton Rouge, LA:** Ms. Shrestha served as **project engineer** for this **$10M project** involving engineering design for construction of a three-lane concrete curb and gutter roadway with sidewalks and subsurface drainage on Glen Oaks Dr. from Plank Rd. to McClelland Dr. Glen Oaks is a one-mile existing Urban Collector roadway. The project also includes improvements to several intersections, topographic survey, ROW survey and ROW plan preparation, subsurface drainage system design and H&H analysis for the outfalls.
05/03-10/15	**Napoleon Avenue Reconstruction, S&WB of New Orleans/US Army Corps of Engineers; New Orleans, LA:** As **project engineer,** Ms. Shrestha provided civil engineering design for the **$21 million reconstruction/rehabilitation** of Napoleon Avenue between South Claiborne Avenue and Carondelet Street, in connection with construction of a drainage box canal at the median of Napoleon Avenue. The project included design and preparation of plans, specifications, and estimates for roadway removal and reconstruction; hydraulic analysis to determine size of catch basins and drain lines; replacement of all water and sewer mains, including service lines within the project limit; new subsurface drainage including tie-in of all culverts into new concrete box canal; and removal and reconstruction of sidewalks. **Hydraulic design work was performed in accordance to the LADOTD Hydraulics Manual**.

10/18-10/23	**City Park Neighborhood, Group - A, DPW- city of New Orleans, LA:** As **Project Manager**, Ms. Shrestha supervised the civil engineering design for this **$10.8 million** City Park Neighborhood Group – A project. Work included roadway reconstruction/rehabilitation. Reconstruction work involved removing existing pavement and reconstructing the roadways with sand subbase, aggregate based, geotextile fabrics, asphalt base and wearing courses, Rehabilitation work included milling, base repairs patching and asphalt overlay. The project also included **hydraulic analysis**, **drainage design**, **roadway intersections design**, preparation of plans, specifications, and cost estimates (PS&E) for 31 blocks of roadway in the neighborhood. Work also included sidewalks with ADA ramps, new drainage system and replacement of all water and sewer mains. Some streets under this project area are in Parkview Historic District and the design for these streets was done conforming to the FEMA guideline for the Historic Area.
04/15-10/19	**Strain Road Bridge, City of Baton Rouge/East Baton Rouge DPW, Baton Rouge, LA:** Ms. Shrestha served as **project engineer** for this project involving design and preparation of PS&E for the replacement of Strain Road Bridge. Work consisted of hydrologic design, study, topographic survey, and preparation of a design report with two alternatives for replacement of the existing bridge. The first alternative included the replacing of existing bridge with two 60 foot long, 8' x 8' box culverts with 150 feet of channel improvement and second included replacing existing bridge with a new 100-foot-long bridge with some channel improvement downstream of the channel. Based on the benefit cost analysis (BCA), first alternative was selected by the city. ECM provided the design services and prepared plans for construction of two- barrel 8' x 8' box culverts and an asphalting concrete roadway section. The existing approach roadway which is a two-lane asphaltic concrete street with subsurface drainage system was widened for a length 225 ft. for widening of the bridge to conform to LADOTD design guidelines
10/15-11/17	**Gravier Street Improvements (Between South Galvez and South Broad), City of New Orleans-DPW, New Orleans, LA:** As **project engineer,** Ms. Shrestha provided civil engineering design for this **$5.8 million** project which consisted of design, preparation of plans and specifications, and cost estimates (PS&E) **for roadway reconstruction** including storm drainage, sidewalk improvements, and water & sewer improvements. The project involved extensive coordination with the Sewerage and Water Board and other utility entities regarding both vertical and horizontal location of utilities. ECM provided all services required for topographic survey (through subconsultant), preparation of preliminary plans, final plans, specifications, construction administration, resident inspection services, and bid documents.
09/22- Ongoing	**Lake Terrace Oaks, Group-C, and Lake Shore Area Group-E, Roadway Improvements, City of New Orleans, LA.** Ms. Shrestha is serving as **Project Engineer** for these **$12 million** projects that involve complete reconstruction of 20 blocks neighborhood PCCP roadway including subsurface drainage system, replacement of water and sewer systems as required. Work includes PCC paving, new base, concrete curb, sidewalks, driveway aprons and ADA compliant ramps at roadway intersections.. She is responsible for managing, supervising and overseeing work product for conformance with City of New Orleans General Specifications for Street Paving. Project will be bid soon.
08/22- Ongoing	**Gentilly Terrace Group E; New Orleans, LA:** Ms. Shrestha served as the **project manager** for this roadway reconstruction project that involves design and preparation of plans, specifications and estimate (PS&E) for removal and replacement of **PCC and asphalt roadway** and H&H analysis for drain system design. She was also involved in coordination with S&WB, park and parkways and other utility entities. She is responsible for managing, supervising and overseeing work product for conformance with City of New Orleans General Specifications for Street Paving. Project will be bid soon.

16. Staff Experience:

Firm employed by ***ECM Consultants, Inc.***					
Name	**Sudhir Mehta, P.E.**		Years of relevant experience with this employer	**6**	
Title	**Structural Engineer**		Years of relevant experience with other employer(s)	**43**	
Degree(s) / Years / Specialization			**BS/1972/Civil Engineering, MS/1974/Civil Engineering**		
Active registration number / state / expiration date			**18950 / LA / 03-2026**		
Year registered	**1976**	Discipline	**Civil Engineering**		
Contract role(s) / brief description of responsibilities			**Mr. Mehta will serve as Bridge Design Engineer for this contract.**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
49 Years of experience	*Mr. Mehta has 49 years of experience in the design, analysis and construction of commercial and residential buildings, roads and bridges, hydraulic structures such as pumping stations, floodwalls, and other structures for multiple USACE districts, states and municipalities.*
11/16- 08/21	**West Metairie Bridge, Jefferson Parish, LA:** Mr. Mehta served as the Structural Engineer for this bridge replacement project. Scope of work included preparation of construction documents, plans, specifications, and estimates PS&E) for replacement of existing bridge on West Metairie Ave over Soniat Canal. The work included demolition of the existing bridge, design of **100 feet cast in place bridge** with Quad Prestressed Concrete Beams, design of approach slabs and erosion protection, as necessary. The analysis and design of the bridge was performed in conformance with the AASHTO LRFD Bridge Design Standards as well as the requirements of Louisiana LRFD Bridge Design Manual, Latest edition.
02/18-12/22	**Lapalco Blvd. Overpass of Bayou Segnette, Jefferson Parish, LA.** Mr. Mehta is involved in review of structural engineering design services for rehabilitation these 40 years old, 3000' long high-rise, concrete and steel girder bridge. Work involves replacement of 182 bearing pads under girders, repainting steel girders, replacement of expansion joints, curtain walls, miscellaneous repairs and replacement of the bridge railings for an estimated cost of $4.1 million.
02/18 – 06/20	**Port Hudson Bridge Replacement, City of Baton Rouge/East Baton Rouge Parish, LA.** Mr. Mehta is serving as Structural Engineer for the replacement of Port Hudson Pride Road Bridge at Copper Mill Bayou. Services include bridge load rating in accordance with LADOTD requirements, preparing a design study with hydraulic, environmental and geotechnical considerations; preliminary and final construction plans, specification and cost estimates (PS&E).
04/15-10/19	**Strain Road Bridge Over Drainage Bayou, Baton Rouge, LA:** Mr. Mehta served as a project engineer for a design study report that included comprehensive hydrologic and hydraulic analysis and preliminary and final design services for **Strain Road Bridge over Drainage Bayou** project. He was involved in preparation of a design report with two design alternatives that included the replacing of existing bridge with two 60 foot long, 8' x 8' box culverts with 150 feet of channel improvement and second included replacing existing bridge with a new 100-foot-long bridge with some channel improvement downstream of the channel. Based on the cost-benefit analysis first alternative was selected. He performed design and responsible for preparation of construction plans of two 8' x 8' box culverts and a two-lane asphaltic concrete roadway with subsurface drainage system.

16. Staff Experience:

Firm employed by **ECM Consultants, Inc.**					
Name	**John Foley, III, P.E.**		Years of relevant experience with this employer	**5**	
Title	**Civil Engineer**		Years of relevant experience with other employer(s)	**5**	
Degree(s) / Years / Specialization			**B.S. / 2014 / Civil Engineering** He is a certified Work Zone Traffic Ctrl. Flagger/Tech/Supervisor		
Active registration number / state / expiration date			**42740 / LA / Exp. 03/31/2025**		
Year registered	**2018**	Discipline	**Civil Engineering**		
Contract role(s) / brief description of responsibilities			**Mr. Foley will serve as Assistant Design Engineer.** He meets requirements for **MPR 3**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
10 years of experience	*Mr. Foley is a Civil Engineer with 10 years of experience designing public works projects including feasibility studies, environmental assessments, roadway, drainage, water and sewer systems improvements design and Construction administration of several roadways, drainage and utilities construction projects. He has certifications in ATSSA Traffic Control Flagger, Supervisor and Technician.*
02/20 – 10/23	**City Park Group A, City of New Orleans – DPW New Orleans, LA:** Mr. Foley served as **Project Engineer** performed construction administration for this project that involved complete reconstruction of 62 blocks of neighborhood residential **roadways including subsurface drainage systems,** and replacement of water and sewer systems as required. Work includes asphalt paving, PCC paving, new base, concrete curb, sidewalks, driveway aprons and ADA compliant ramps at roadway intersection. He performed all construction administration leading construction meetings, reviewing contractor submittals, verifying contractor invoices, responding to requests for information (RFIs), performing independent cost estimates, preparing field change authorizations, and preparing change orders.
01/20 – 4/23	**Program Management for 2017 Jefferson Parish Road Bond Project, Jefferson Parish, LA:** Mr. Foley performed review of consultant's plans, specifications and cost estimates and performed site visits during construction to ascertain construction is performed in accordance with requirements of plans and specification This project currently has **$208 M of construction projects** and includes the design and construction of **roadways, bridges,** utilities and pedestrian bike paths and bridges.
06/20 – 8/22	**MOVEBR Roadway Enhancement Program, Parish wide Synchronization and Communication Traffic Signal Connection and Communications, Phases 2 and 3, Parish of East Baton Rouge, LA:** Under the **$330 Million MOVEBR Roadway Enhancement Program,** he provided engineering design services for this **$8 Million** project involving installation of over 100 miles of fiber optic lines within streets ROW for connecting to signals scattered all over the Parish, ECM as subconsultant to Stantec. He visited sites with city utility maps for field investigations to determine approximate location of all existing utilities within the ROWs and to locate best alignments for fiber optic lines to avoid conflicts with other utilities during installation. He prepared plans and specifications conforming to City of Baton Rouge design standard.
08/19 – Ongoing	**Transit Improvement Design for District 3, Jefferson Parish, LA:** Mr. Foley serves as **Project Engineer for design** and construction administration for improvements to 317 bus stops within Council District 3 for Jefferson Parish. Scope of work includes preparing detailed construction plans and technical specifications with the latest LA DOTD and Jefferson parish criteria. He prepared plans that included locations of all utilities affected by proposed construction, improvements to the bus stops and adjacent intersections. Improvements included

	enhancements for accessibility, safety and features needed to achieve ADA compliance. Work also includes required sidewalks, ADA ramps, crosswalks, signage, striping, boarding and alighting areas, benches, and shelters. He is performing all construction administration which includes contract administration, leading construction meetings, managing the resident inspector, reviewing contractor submittals, verifying contractor invoices, **responding to requests for information (RFIs),** performing independent cost estimates, preparing field change authorizations, preparing change orders, approves contractor's prep work prior to pouring concrete, and coordinates with bench/shelter vendor and the Parish.
08/19 – 10/21	**West Bank Group B Street Improvements, City of New Orleans, LA.** Mr. Foley provided engineering services for preliminary and final design plans for a designated list of streets to be enhanced in the West Bank regional area of New Orleans. The primary enhancements will include mill and overlay with full depth patching; other incidental road repairs will be required in certain sections of the project area.
04/14 – 06/15	**West Metairie Avenue Restoration, Jefferson Parish, LA.** Mr. Foley provided condition assessment, design, and construction documentation for the replacement of **failed concrete panels, drainage structure repairs**, and canal banks slope stabilization. Project Designer responsible for designing plans and calculating quantities.
10/17 – 07/19	**Harrison Avenue Improvements, St. Tammany Parish, Covington, LA.** Mr. Foley was a part of the project team conducting a feasibility study and subsequent design and **construction administration** of recommended improvements. Staff evaluated two proposed alternates for the reconstruction of Harrison Avenue and provided design services for a two-lane roadway with raised median, sidewalks, and subsurface drainage. Project Designer responsible for designing line and grade sheets.
01/17 – 07/19	**Spartan Drive Shared-Use Path, City of Slidell, LA.** Mr. Foley was a **project engineer** for the design of a shared-use path in Slidell, LA to be used by pedestrians and bicycles traveling between Salem High School and Fritchie Park. The path requires two large drainage structures. Design is in accordance with LADOTD specifications and provides construction management services. Asa Project Designer he was responsible for design and plan preparation.
01/14 – 12/14	**Highland-Burbank Connector, City of Baton Rouge/Parish of East Baton Rouge, LA**. Mr. Foley was a **project engineer** for a detailed planning study and design of two alternatives for a **new three-lane highway** connecting Highland Road and Burbank Drive in Baton Rouge. He was responsible for the preparation of design study report.
06/14 – 07/15	**US 61 Corridor Improvements, St. John the Baptist Parish, LaPlace, LA:** Mr. Foley served as **Project Designer** and prepared preliminary and final plans, **right-of-way plans,** and special details for improvements along the **US 61 Corridor** in Laplace in St. John the Baptist Parish.
07/17 – 06/18	**LA 931 at Roddy Road Roundabout, Ascension Parish, Gonzales, LA.** Mr. Foley provided **design services for a single-lane asphalt roundabout** at the intersection of LA 931 and Roddy Road in Gonzales, LA. Services included preparing a roundabout report (crash analysis, cost-benefit analysis, traffic analysis, speed study, safety analysis), , **subsurface drainage,** preliminary and final design plans, specifications, special provisions, construction estimates, and engineering calculations. The design complied with state and federal guidelines. As project engineer, he performed design of **roadway geometry,** prepared plan and profile and typical sections for preliminary design plans and roundabout report.

16. Staff Experience:

Firm employed by	***ECM Consultants, Inc.***		
Name	**Marylin "Missy" Reynolds, EI**	Years of relevant experience with this employer	**5**
Title	**Deputy Project Manager**	Years of relevant experience with other employer(s)	**23**
Degree(s) / Years / Specialization		**B.S./Civil Engineering/1996**	
Active registration number / state / expiration date		**E.I No. 16639/LA/ 3.31.26**	
Year registered	**1996** Discipline	**Civil Engineering**	
Contract role(s) / brief description of responsibilities		**Ms. Reynolds will provide support to Design and Design Engineers.**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
28 years of experience	*Ms. Reynolds has **28 years** of experience in project management, construction management, and engineering design for construction of roadways, subsurface drainage, canals, drainage structures, utility relocations and water treatment facilities. She has provided oversight for civil engineering design and construction of new construction, reconstruction and rehabilitation of existing roads, drainage and utility relocations projects. This included elevated roadways and on grade roadway involving excavations, subbase and aggregate base, drainage, utilities relocation, PCC and asphalt roadway pavement. She is a certified ATSSA Traffic Control Flagger and Supervisor*
05/17–On going	**Program and Construction Management for 2017 Jefferson Parish Road Bond Project, DPW- Jefferson Parish, LA:** Ms. Reynolds is serving as **Deputy Project Manager** for the 2017 Jefferson Parish Road Bond Project on the East bank of Jefferson Parish. This project currently has **$208 million** of construction projects and includes the design and construction of **roadways, bridges, drainage, utilities and pedestrian bike paths**. Ms. Reynolds is responsible reviewing consultants' PS&E and coordinating with local and State agencies. Her duties include working with several consulting firms to resolve design and constructions issues and coordinating with private businesses and utilities including railroad companies. Ms. Reynolds reviews contractor submittals to ensure conformity, resolves construction issues, performs site visits and reviews testing lab reports and performed substantial completion and final walk-throughs for the completed projects.
10/15-08/17	**Mid-City Street Improvements, Gentilly Woods & Read Boulevard East Group C Neighborhoods, New Orleans, LA:** Ms. Reynolds performed **engineering design** for this $**15 million rehabilitation and reconstruction of roadways** in several neighborhoods including drainage, new sidewalks and driveway aprons. She performed field investigations, identified damages to both roadways and subsurface drainage and utilities. She prepared detailed design study reports to capture each damaged area in accordance with FEMA guidelines; created an in-depth tracking system to detail location, scope and eligibility of each item; developed drawings for FEMA eligibility approval along with corresponding support documentation for federal funding.

07/12-02/14	**US-190 Roadway Widening, St. Tammany Parish, LA:** Ms. Reynolds **provided engineering design** and project management services for this project to **widen existing US-190 from two to four lanes.** The project included design for roadway excavation, embankment, aggregate subbase, asphaltic concrete pavement, drainage, and striping. She was responsible for hydraulic analysis, preparation of existing and proposed drainage maps, typical sections, plan and profiles, summary of quantities, drainage structures, and miscellaneous details. She prepared technical specifications and preliminary and final estimates.
02/16–04/17	**Williams Boulevard at Vintage Drive U-Turn Improvements, Kenner, LA:** Ms. Reynolds **designed a $1.2 million** new east/west U-turn at the intersection of Williams Blvd. and Vintage Drive to latest AASHTO design standards and LADOTD Standard Specifications for Roads and Bridges. for turning radius for 18-wheelers. Design included milling and overlay of turning lanes, redesign of subsurface drainage and concrete median in accordance with ADA requirements. Ms. Reynolds prepared construction specifications, typical details, cost estimates coordinated with Jefferson -DPW and LADOTD for approval of design This project was part of City of Kenner Bond Program
08/12–07/16	**Program and Construction Management for Roadway Restoration Projects, St. Bernard Parish, LA:** Ms. Reynolds served as **Senior Project Manager and Construction Manager**, overseeing construction of more than **350 roadway construction projects** totaling **$170 million,** including repairs to subsurface drainage system damaged in Hurricane Katrina. She worked with FEMA, state and local representatives to identify damages and performed design for roadway restorations and drainage repairs, prepared plans, specifications and cost estimates (PS&E). Ms. Reynolds was responsible for **27 field inspectors and coordinating work among several contractors concurrently.** Ms. Reynolds reviewed contractor submittals, resolved construction issues, reviewed testing lab reports, and performed substantial completion and final walk-throughs. Additionally, she reviewed contractors' monthly pay estimates, prepared change orders and conducted progress meetings.
07/12- 03/14	**Ames Boulevard (Westbank Expressway to Happy Street), LADOTD, Jefferson Parish, LA:** Ms. Reynolds **supervised design** of approximately 1.5 miles of roadway in accordance with LADOTD Urbans Systems design criteria. Design included replacing curb and gutter, ADA ramps, asphaltic overlay, and adjusting the existing drainage structures.

16. Staff Experience:

Firm employed by **ECM Consultants, Inc.**				
Name	**Kumar Ambati, EIT**		Years of relevant experience with this employer	**5**
Title	**Engineering Intern**		Years of relevant experience with other employer(s)	**6**
Degree(s) / Years / Specialization			**B.S./2015/Civil Engineering, M.S./2018/Civil Engineering**	
Active registration number / state / expiration date			**35287/LA/03.31.25** **64508/TX/10.4.2026**	
Year registered	**1982**	Discipline	**Engineering Intern**	
Contract role(s) / brief description of responsibilities			**Provide engineering design support services for roadway, drainage and utilities**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
11 years of experience	*Mr. Ambati has eleven years' experience in preparing construction drawings using CAD. This includes preparation of plans & profiles, typical sections, cross sections, various details for pavement, drainage, and utilities projects. He also prepared structural drawings for several projects.*
09/22- Ongoing	**Lake Terrace Oaks, Group-C, and Lake Shore Area Group-E, Roadway Improvements, City of New Orleans, LA.** Mr. Ambati provided CAD design for this **$11.5 million** roadway project that involves complete reconstruction of 20 blocks PCCP roadway including subsurface drainage system, replacement of water and sewer systems as required. Work includes PCC paving, new base, concrete curb, sidewalks, driveway aprons and ADA compliant ramps at roadway intersections.
07/19- 12/22	**Lapalco Blvd. Bridge over Bayou Segnette, Jefferson Parish, LA:** Mr. Ambati provided CAD design services. He assisted ECM engineers who performed engineering design and prepared the construction documents for the rehabilitation of the existing Lapalco bridge over Bayou Segnette. The road rehabilitation included **the mill and overlay of the approach and adjoining road**. This rehabilitation involved cold planning, asphalt leveling course, asphaltic concrete overlay, pavement markings, and replacement of guard rails where needed.
07/19-10/19	**Strain Road Bridge, City of Baton Rouge/East Baton Rouge DPW, Baton Rouge, LA:** Mr. Ambati provided engineering design support services for this project involving design and preparation of PS&E for the replacement of **Strain Road Bridge**. Work consisted of H&H analysis, drainage analysis and design, topographic survey, and preparation of a design report with two alternatives for replacement of the existing bridge. ECM provided the design services and prepared plans for construction of two- barrel 8' x 8' box culverts and an asphalting concrete roadway section. The existing approach roadway which is a two-lane asphaltic concrete street with subsurface drainage system was widened for a length 225 ft. for **widening of the bridge to conform to LADOTD design guidelines.**
08/19 – 10/21	**West Bank Group B Street Improvements, City of New Orleans, LA.** Mr. Ambati provided engineering services for preliminary and final design plans for a designated list of streets to be enhanced in the West Bank regional area of New Orleans. The primary enhancements included **mill and overlay** with full depth patching, other incidental road repairs and drainage improvement in certain sections of the project area.
2004 – 2016	**Gentility Terrace Neighborhood, Roadway Improvements, City of New Orleans, LA:** Mr. Ambati provided engineering design and CAD services for preparation of plan and profile, cross sections, and grading sheets, subsurface drainage, water and sewer system details etc. for the reconstruction of Carnot Street from Elysian Field to Peoples Ave**.**

16. Staff Experience:

Firm employed by **ECM Consultants, Inc.**			
Name	**Christopher Capretto, P.E.**	Years of relevant experience with this employer	**10**
Title	**Roadway Design Engineer**	Years of relevant experience with other employer(s)	**5**
Degree(s) / Years / Specialization		**B.S./2009/Civil Engineering** FHWA-NHI-130091 Underwater Bridge Inspection; LPA Core Training Module; ATSSA Work Zone Traffic Control Flagger, Technician & Supervisor	
Active registration number / state / expiration date		**PE # 38641/ LA / 9-2026**	
Year registered **2014**	Discipline	**Civil Engineering**	
Contract role(s) / brief description of responsibilities		**Mr. Capretto will provide construction phase services as well as assist in roadway Design for this contract. He meets requirements of MPR No. 3.**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
15 years of experience	*Mr. Capretto has 15 years of experience in **road and bridge design** and construction administration, bridge inspection and bridge rating, roadway design including pavement sections and horizontal and vertical alignments, stormwater design, water and sewer force mains and gravity lines. His participation in representative projects includes design, preparation of PS&E for roadways and drainage projects for urban and rural highways and streets. Mr. Capretto's experience in office engineering includes maintaining all project documents including daily reports with photographs, **RFIs** and RFI log, change order management, reviewing and **managing submittals**, verifying contractor invoices, and preparing change orders.*
05/17–On going	**Program and Construction Management for 2017 Jefferson Parish Road Bond Project, Jefferson Parish, LA.:** As one of the engineers responsible for managing the JP Road Bond Program on the East Bank, Mr. Capretto is currently overseeing multiple on-going construction projects, with several more getting ready to start within the next few months. These projects are part of the current Road Bond Program, that funds major transportation projects throughout the parish. His responsibilities have included coordinating between JP engineers and the various contractors and subcontractors; attending all kick-off and progress meetings; regular visits to each of the project sites; reviewing inspection reports and testing lab reports; **reviewing RFIs,** reviewing change orders, and invoices; and maintaining progress status from kick-off of the work on through to completion of the projects.
02/15-05/18	**Youth Study Center Streets | City of New Orleans Dept. of Public Works | New Orleans, LA | Civil Engineer;** Mr. Capretto provided **roadway, drainage, and utilities design** and construction administration services support for this **$3.2 million roadway projec**t involving improvements to Davey St., Encampment St., Cadillac St., and Milton St. in the St. Bernard Neighborhood. General improvements included cold mill, base repairs and overlay, replacing damaged sidewalks and driveway aprons, relocation and/or replacement of water and sewer mains, and providing ADA ramps at all intersections. Work also included coordination with DPW, SW&B and private utility entities for installation/relocation/adjustments of utilities within the project site.
08/14 – 02/17	**Glen Oaks Drive, City of Baton Rouge DPW, Baton Rouge, LA:** Mr. Capretto provided civil engineering design for this $**10 million** reconstruction project that included design for construction of a three-lane asphalt roadway with concrete curb and gutter, 6-foot ADA compliant sidewalks and subsurface drainage improvements along a one-mile existing Urban Collector roadway. The project also included improvements to several intersections including the addition of turn lanes at three intersections.

10/18 - 10/23	**City Park Neighborhood, FEMA Eligible Street Repairs, New Orleans DPW, New Orleans, LA:** Mr. Capretto provided engineering design services for this project to determine extent of roadway damages for FEMA including field investigations, survey, documentation, rehabilitation designs, preparation of cost estimates and plans and specifications. ECM prepared scope reports, updated PW Work sheets for FEMA-Eligible repairs within the boundary of the neighborhood. The project scope included preparation of construction plans and specifications, cost estimates **for pavement rehabilitation involving base repairs, cold mill and overlay,** curb, and sidewalk repairs including utility adjustments and new ADA ramps for all street intersections. In addition to preparation of plans and profiles, ECM prepared various details not in city standard plans, special curb details, and sidewalk and driveway details.
04/16-05/17	**Gravier Street (South Galvez to Broad St) | City of New Orleans | New Orleans, LA | Civil Engineer:** Mr. Capretto performed civil engineering design and **construction administration** for this **$5.8 million PCC roadway** reconstruction project with curbs and gutters including new major subsurface drainage system and utilities relocations. His responsibilities included attending weekly progress meetings, preparing and distributing minutes of meetings, coordination with various agencies, submittal reviews and management, resolution of field issues in consultation with inspector and project manager, and site visits.

16. Staff Experience:

Firm employed by **ECM Consultants, Inc.**				
Name	**Blake Guidry, P.E.**		Years of relevant experience with this employer	**5**
Title	**Civil Engineer**		Years of relevant experience with other employer(s)	**8**
Degree(s) / Years / Specialization			**B.S./Civil Engineering/2012** ATSSA Work Zone Traffic Control Flagger, Technician & Supervisor	
Active registration number / state / expiration date			**#41362/LA/ 09/30/2025**	
Year registered	**2017**	Discipline	**Civil Engineering**	
Contract role(s) / brief description of responsibilities			**Mr. Guidry will provide Construction Phase services on as needed basis.**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
13 years of experience	*Mr. Guidry has 13 years of engineering experience in design, contract administration, construction Engineering and inspection including 4 years with LADOTD. His project experience includes highway and bridge construction, roadway and bridge rehabilitation, drainage repair and enhancements, bridge deck polyester concrete overlays, utilities relocations, emergency reconstructions, access management projects, and pedestrian facility improvements.*
03/23- On going	**H.013025 University Avenue Phase 1: 100' S RR-500' S I-10 EB Ramp:** Mr. Guidry serves as **Project Engineer** for this Construction Engineering and Inspection project for Lafayette Consolidated Government (LCG) administered through LADOTD. This is a corridor enhancement and road diet project on University Avenue (formerly LA 182) in Lafayette Parish. The work included rehabilitation of the existing concrete pavement and curbs, overlay of the existing pavement, earth work, class II base course, PCCP patching, drainage structures, pavement markings, sidewalks and drives, handicap ramps, lighting, and green infrastructure and landscaping. Mr. Guidry acts as the contact for the LADOTD Project Coordinator and Lafayette Parish. His responsibilities included overseeing inspections, reviewing contractor pay requests, preparing change orders, document management, entering data in SiteManager and Headlight, and project closeout documentation for final acceptance, including the 2059.
02/23-10/23	**H.012863 Cypress Island Highway Pavement Preservation:** Mr. Guidry served as **Project Engineer** for the Construction Inspection and Engineering project for St. Martin Parish Government administered through LADOTD. This pavement preservation project included milling asphalt concrete, pavement patching, asphalt concrete overlay, rumble strips, striping, guardrail replacement, and related work. Mr. Guidry acted as the contact for the LADOTD Project Coordinator and St. Martin Parish Government. His responsibilities included overseeing inspections, reviewing contractor pay requests, preparing change orders, document management, entering data in SiteManager and headlight, and project closeout documentation for final acceptance, including the 2059.
10/17-07/19	**LA. 73: Government St., East Blvd-Lobdell, LADOTD, East Baton Rouge Parish, LA** Mr. Guidry served as **DOTD Project Engineer** for this Road Transfer project. He was involved in **Project Design** and Development, Public Outreach, working with City officials, Public Meetings, and Design and **Constructability reviews**. Work included several phases where traffic lanes were adjusted to allow for the completion of the project section by section. The project includes rehabilitating the existing **pavement** and implementing a "road diet" and access management to incorporate bicycle and pedestrian friendly concepts and safety improvements including a **roundabout** installation at the intersection of Lobdell and Government Street.
09/17 – 04/19	**S.P. H.010560: Essen Lane Widening, East Baton Rouge Parish, LA** Mr. Guidry served as the **Project Engineer** for this $7.9 million widening project. Work included adding an additional travel lane on northbound Essen Lane, new signalized intersections, new ADA ramps at all driveways and intersections, and additional drainage capacity. The new intersection work included the installation of 16 mast arms but hydro-excavation, traffic signal cabinet installation, loop detectors, pedestrian cross walks, video detection with emergency vehicle preemption, and signal heads. He coordinated the work and schedules inspections with the City of Baton Rouge, LADOTD Section 45, and LADOTD District 61 Traffic section. His contract administration duties included project coordination, attending progress meetings, document management, data entry in SiteManager, manage RFIs, review plan change requests, review monthly pay estimates, prepare plan changes, and keeping concise record of all documents.

02/14 – 06/15	**H.010638 – River Rd: Government St – Centerville St:** Mr. Guidry served as an **Assistant Project Engineer** for this construction inspection project involving the widening, patching, and overlay on River Road in Denham Springs in Livingston Parish. His duties included being the point of contact with the LADOTD Project coordinator and the City of Denham Springs, the client. He coordinated with the contractor to notify the local public for lane closures. His responsibilities for **contract administration** included preparing change orders for review, monthly pay estimates review, coordination with Railroad company, document management and compiled the final closeout documentation for final acceptance.
05/22-08/23	**H.010867 Jude and Placide Road Bridges:** Mr. Guidry served as **Project Engineer** for this construction Engineering and inspection (CE&I) project involving the removal and replacement of existing timber bridges on Jude and Placide Road in Vermillion Parish. The work included the installation of cast in place concrete flat deck bridges and approach slabs, base work, asphalt paving, and drainage work. The drainage work consisted of closing in the existing ditches on either side of both bridges with storm drainpipe, catch basins and manholes, outfall pipes and riprap, and safety end treatments. Mr. Guidry acted as the contact for the LADOTD Project Coordinator and Vermillion Parish. His responsibilities included overseeing inspections, reviewing contractor pay requests, preparing change orders, document management, entering data in SiteManager and headlight, and project closeout documentation for final acceptance, including the 2059.
08/19-10/20	**S.P. No. 009250 I-10: Highland to LA 73** Design-Build Project, **LADOTD, East Baton Rouge/Ascension Parish, LA.** Mr. Guidry served as **Assistant Project Engineer** for this **$72 million** design-build project to widen I-10 from four to **six lanes** in both east and westbound directions, add deceleration and acceleration lanes at the Highland Road and LA 73 interchanges, roadway lighting replacement, and bridge modifications including replacing I-10 bridge over Highland Road, widening and rehabilitating **I-10 bridge** over Bayou Manchac, increasing the vertical clearance and rehabilitating LA 928 over I-10, and replacing I-10 over LA 73. He assisted Project Engineer and prepared close out documents including final estimate and 2059.
12/16- 06/18	**H.000351 District 61 Bridge Deck, Joint, and Miscellaneous Repairs, East Baton Rouge, LA:** Mr. Guidry served as **DOTD Assistant Project Engineer** for this $**6.1 Million construction inspection project** involving bridge deck repairs, deck overlays, joint repairs, bearing pad replacement, and other miscellaneous repairs. The project scope included removal and replacement of joints on the **I-10 overpass** at College Drive, the LA 67 bridge over US 61, the interchange of US 61 and I-10, and **the flyover connecting I-12 westbound to I-10 east bound.** The project included concrete structural patching on I-110 and girder repairs involving carbon fiber wraps. The project also included bearing pad replacement and pedestal repairs. His **contract administration** duties included project coordination, attending progress meetings, document management, data entry in **SiteManager,** manage RFIs, review plan change requests, review monthly pay estimates, prepare plan changes, keep concise record of all documents, and project closeout documentation for final acceptance, including the 2059.
08/19 – 05/20	**H.006531 – Roundabout at Girard Park and Hospital Dr:** Mr. Guidry served as **Project Engineer** for this construction Engineering and inspection **(CE&I)** project involving the construction of a **Portland cement concrete pavement** (PCCP) roundabout at the formerly four-way stop at Girard Park Drive and Hospital Drive. Work activities also included the installation of drainage pipe and erection of a structural retaining wall, signing, and striping. Mr. Guidry acted as the contact for the client, Lafayette Consolidated Government, and the LADOTD Project Coordinator. His responsible for **contract administration** included inspection scheduling, contractor payment, creation of change orders, document management and project closeout documentation for final acceptance, including the 2059.
07/18-07/19	**H.012233 – LA 3064 to LA 1248 Phase I Dijon Drive Extension:** Mr. Guidry served as the **DOTD Coordinator** in the Project Engineer's office for this **$8.3 million new construction project** providing access to the Our Lady of the Lake Children's Hospital in East Baton Rouge Parish. Mr. Guidry served as the **contract administrator** over the CE&I project. Mr. Guidry was present at all on-site meetings and monthly progress updates and included on change order discussions and approval chain. Mr. Guidry made independent site visits during critical phases of the project, including construction activities at the tie-in to LA 3064, Essen Lane. His **contract administration** duties included **public relations,** supervision of **SiteManager** entries by EBR DPW, progress meetings, change order review and approval, RFI review, reviewing monthly pay estimates, and confirming contractor payment.

16. Staff Experience:

Firm employed by **ECM Consultants, Inc.**					
Name	**Chad Vosburg, P.E.**		Years of relevant experience with this employer	**6**	
Title	**Vice President -Construction**		Years of relevant experience with other employer(s)	**25**	
Degree(s) / Years / Specialization			**1992/Civil Engineering/ LA PE 27677;** ATSSA Work Zone Traffic Control, Flagger, Technician, Supervisor, NHI Inspection of In-Service Bridges		
Active registration number / state / expiration date			**27677 / LA / 9-2026**		
Year registered	**1998**	Discipline	**Civil Engineering**		
Contract role(s) / brief description of responsibilities			**Mr. Vosburg will serve as the QA/QC Manager or this contract. He meets MPR No. 2.**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
31 years of experience	*Mr. Vosburg has more than 31 years of professional engineering experience in project management, civil engineering, construction contract administration, and CE&I services during his 25-year career with LADOTD. His experience includes bridges, highways, elevated highways, on and off ramps and local streets projects. As former District 61 Administrator for LADOTD, he provided leadership and directed all DOTD activities including project scoping, budget estimates, engineering design reviews. coordination and construction administration for District 61 projects.*
10/21-On going	**Belle Chasse Bridge and Tunnel Replacement, P3, Design-Build Project, Plaquemines Parish, LA** Mr. Vosburg is serving as **Construction Quality Control Manager for this $182 million, P3 design-build project** to construct a new Mid-Level fixed span bridge that will span the Intracoastal Waterway on Louisiana Highway 23. The new bridge is being constructed to current clearance standards for marine vessels as required by the US Coast Guard. This work includes pile driving, installing steel girders, installing prestressed concrete girders, steel girders, on grade roadway including earthwork, subbase and base, drainage, utilities relocation, PCC pavement, Asphaltic Concrete pavement, concrete barrier railing, roadway lighting, MSE Wall construction. He is responsible to oversee Quality Control team of engineers and LADOTD certified inspectors for sampling and testing to ensure compliance with the project's plans and specifications.
05/13-08/16	**S.P. No. H.001940: Sunshine Bridge Rehabilitation Phase 2, LADOTD, Ascension Parish, LA:** Mr. Vosburg served as **District Administrator** for this **$25.1 million project** for rehabilitation of this major **Mississippi River bridge** crossing, with maintenance and preservation such as concrete barrier rail, guardrail, expansion joint rehabilitation, and painting the entire superstructure. Mr. Vosburg's involvement also included public outreach and working with industrial plants in the area to plan project work to be completed with the least inconvenience and traffic delays to motorists in the area.

10/20 – 10/22	**I-10: Highland to LA 73 Design-Build Project, LADOTD, East Baton Rouge/Ascension Parish, LA:** Mr. Vosburg provided **Construction support services for close out** for this **$72 million** design-build project to widen I-10 from four to six lanes in both east and westbound directions, add deceleration and acceleration lanes at the Highland Road and LA 73 interchanges, roadway lighting replacement and bridge modifications for replacing I-10 bridge over Highland Road, widening and rehabilitating I-10 bridge over Bayou Manchac, increasing the vertical clearance and rehabilitating LA 928 over I-10, and replacing I-10 over LA 73, which include safety railing and barriers.
08/19-10/21	**I-220 /I-20 Interchange IMP & BAFB Access Road- Design-Build, LADOTD, Bossier Parish, LA.** Mr. Vosburg served as **Construction Quality Control Manager** for this **$77.8 million design-build project** to construct a new I-220 extension South of I-20 that will provide access to Barksdale Air Force Base, adding access ramps and enhancing capacity at the I-20/220 interchange, and also includes **bridge construction** over the existing KCS railway and Musselshell bayou. This work includes **4 separate bridges** including a NB and SB I-220 overpass over I-20, and a NB and **SB overpass** over the KCS railway crossing. This work includes **pile driving**, drilled shafts, installing **prestressed concrete girders**, steel girders, **on grade roadway** including earthwork, subbase and base, drainage, utilities relocation, **PCC pavement,** and Asphaltic Concrete pavement.
09/17-09/18	**Essen Lane Widening, LADOTD, East Baton Rouge Parish, LA**: Mr. Vosburg served as **DOTD District Administrator** for this $6.7 million construction project involving installation of a cable safety barrier in the median for a 12-mile section, embankment, pavement patching, asphalt overlay, guard railings, emergency crossovers and related work. In addition to being responsible for Construction Engineering and Inspection work, Mr. Vosburg was also involved in Project Development that took place to meet safety initiative goals for LADOTD.
09/11—07/12	**S.P. No. H.011224: US 190: Roadway Repair and Replacement, LADOTD, Pointe Coupee Parish, LA:** Mr. Vosburg served as **DOTD District Administrator** for this **$14 million construction project** involving replacement of double sided three-beam rail throughout a 14-mile section. Repair work included removal of the existing guardrail, installation of new guardrail that met current safety standards, asphaltic pavement overlay, approach guardrail installation at bridge ends at all overpasses and at the Morganza Floodway Bridge. The project also included installation of J-turns inside the city limits of Livonia, LA. Mr. Vosburg's role included development of the project scope and attendance of public meetings for DOTD. He was responsible for Construction Contract Administration for the project.

16. Staff Experience:

Firm employed by **ECM Consultants, Inc.**			
Name	**Marvin May**	Years of relevant experience with this employer	**21**
Title	**Senior CAD Technician**	Years of relevant experience with other employer(s)	**1**
Degree(s) / Years / Specialization		**1999 / AutoCAD Drafting**	
Active registration number / state / expiration date		**NA**	
Year registered		Discipline	**NA**
Contract role(s) / brief description of responsibilities		**Mr. May will provide CAD services for this project.**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
22 years of experience	*Mr. May has over 22 years of experience in AutoCAD drafting. His experience includes preparation of plan and profiles, cross sections and miscellaneous details for fixed and movable bridges, roadway, drainage, and utilities projects. He is trained in both AutoCAD and MicroStation V8.2.*
02/15-11/17	**Glen Oaks Drive, City of Baton Rouge DPW; Baton Rouge, LA:** Mr. May provided CAD services for this reconstruction project that included design for construction of a three-lane concrete roadway with turn lanes at several sideroad intersections. Work also included 6-foot sidewalks, ADA compliant ramps at intersections and subsurface drainage improvements along a one-mile of the existing Urban Collector roadway. He prepared plans and profiles, typical sections, roadway, drainage and misc. details.
03/15-09/22	**Severn Avenue Corridor Improvements, Jefferson Parish-DPW, Jefferson Parish, LA:** Mr. May is providing CAD services for this project which includes replacement of existing 6-lane PCC pavement, upgrade of subsurface drainage system with new trunk lines, addition of turn lanes at several intersections, separate bike lane with buffer, sidewalks and driveway aprons, landscaping, streetlighting and permanent striping.
01/13-07/16	**FEMA Recovery Roads, St. Bernard and City Park Neighborhood, City of New Orleans-DPW, LA:** Mr. May provided CAD services for FEMA eligible repairs in the St. Bernard and City Park neighborhoods. Work included drainage, pavement, curb and sidewalk repairs. Roadway rehabilitation primarily involved removal and replacement of damaged base with new base, cold milling and asphalt overlay. The project also included utility adjustments and new ADA compliant ramps for sidewalks at all intersections.
01/05-06/10	**Lapalco Boulevard Improvements (US 90 to Segnette Blvd), Jefferson Parish-DPW/LADOTD; Jefferson Parish, LA:** Mr. May provided CAD drafting for this project which involved and preparation of plans and details for widening of existing roadway and construction of new roadway. This included cold planing, base repairs, curb repairs, drainage improvements, asphalt leveling and wearing course, striping for the existing two-lane street, and roadway plans and profiles, sections and details, including drainage for construction of two additional lanes with a median.
08/07-12/08	**Improvements to Manhattan Blvd (11th St to Gretna Blvd), SP No. 742-26-0048, JP DPW No. 2002-002-RBI:** Mr. May provided CAD drafting services for this $1.3 million project involving asphalt roadway and intersection rehabilitation improvements to Manhattan Boulevard from 11th Street to Gretna Boulevard in Jefferson Parish. Turn lane improvements were also performed within the limits of construction.
09/16-2/18	**Gravier Street Improvements (S. Galvez to S. Broad), City of New Orleans DPW, New Orleans, LA:** Mr. May is providing CAD support for this $4.8 million project which consisted of design, preparation of plans and specifications, and cost estimates for roadway reconstruction including storm drainage, sidewalk improvements, and water and sewer improvements.
01/09-07/11	**Napoleon Avenue (Between S. Claiborne and Carondelet Street), Sewerage and Water Board of New Orleans and USACE, New Orleans, LA:** Mr. May provided CAD drafting services for this $55 million reconstruction of Napoleon Ave between South Claiborne Ave and Carondelet St, in connection with construction of a drainage box canal at the median of Napoleon Ave. This project included design for intersections within the project limits as well as new subsurface drainage.

16. Staff Experience:

Firm employed by	**ECM Consultants, Inc.**			
Name	**Alexandra Dupuis**		Years of relevant experience with this employer	**1.5**
Title	**CAD Technician**		Years of relevant experience with other employer(s)	**7**
Degree(s) / Years / Specialization			**2017/AutoCAD Drafting**	
Active registration number/state/expiration date			**N/A**	
Year registered	**N/A**	Discipline	**N/A**	
Contract role(s) / brief description of responsibilities			**Ms. Dupuis will serve as a CAD Technician for this contract.**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
7 years of experience	*Ms. Dupuis has more than 7 years of experience in AutoCAD drafting. Her experience includes creating 3D models and making 2D out of the 3D models, preparing layouts as directed by engineers/architects, preparation of plans and profiles, Cross-sections and various details for roadways, drainage, and utilities system projects. The following are examples of his relevant experience::*
09/23- Ongoing	**Transit Improvement Design for District 2, Jefferson Parish, LA:** Ms. Dupuis provides CAD services for the changes being made to 252 bus stops that follow the latest standards given by the Jefferson Parish, LA DOTD, and AASHTO. The project includes photos of bus stop locations with documentation of changes being made to follow updated standards. The views of the bus stops will be designed to include detailed information on proposed concrete layouts, dimensions, street name callouts, and placement of bus stop signs.
08/23 -05/24	**Chateau Elementary School-Hurricane Ida Repairs, Kenner, LA:** Ms. Dupuis provided CAD services to Chateau Elementary School in Kenner, Louisiana by designing plans and adding information on damage repairs that needed to be done because of the hurricane. She created and modified floor plans that have detailed callouts referencing to photos of damage done by hurricane. Photos are then documented with descriptions of damage and what needs to be repaired. Floor plans, details, and photos document repairs to floors, walls, and ceilings of school building.
10/23- Ongoing	**Grand Isle Water Systems Improvements, Grand Isle, LA:** Ms. Dupuis provided CAD services by designing one-line piping diagrams to show the chemical feed systems at the East Grand Isle and Cheniere sites. The one-line piping diagrams consist of showing how the chemicals from the ammonia room flow through the pipes and how they travel to specific designated areas where needed. The diagram also includes an equipment list that is required for each individual site.
07/23- On going	**Hope Haven Main Building, Marrero, LA:** Ms. Dupuis is providing CAD services by preparing restoration plans for Hope Haven. The project includes the breakdown of damaged material that is identified in floor plans of building and suggested routes of construction walkway. Photos have been included in plans to show physical damage done to the structure. Roof plans are also incorporated in blueprints with documentation of damage and photos as well. The shoring layouts have also been designed to show locations, dimensions, and material need for restoration after debris and damage has been removed.
02/24- Ongoing	**HANO On Call AE Services for Agency Wide Housing Communities and Scattered Sites, New Orleans, LA:** Ms. Dupuis provides CAD services to design changes to the interior of Guste III Community, Lafitte Senior Housing, and Fisher Senior Housing to apply modernization and redevelopment of multi-family housing units in New Orleans. She has designed site plans, floor plans, and detailed views to describe and callout changes being applied to units. Data tables are created to show scope of work for units that show the work item description, quantity, and reference notes/reports. Detailed views offer layouts of changes being made to kitchen and bathroom and consist of appliance callouts, dimensioning, and notes that describe and offer information of changes needed to be done per unit.

16. Staff Experience:

Firm employed by: **SJB Group, L.L.C**				
Name	**Matthew Estopinal, PE, PLS**		Years of relevant experience with this employer	**3**
Title	**Principal & CEO**		Years of relevant experience with other employer(s)	**15**
Degree(s) / Years / Specialization			Bachelor of Science in Civil Engineering / 2009 / Louisiana State University Bachelor of Science in Microbiology / 1996 / Louisiana State University	
Active registration number / state / expiration date			PE.0039151 | Louisiana | 3/31/2025 | Registered 2014 | Professional Engineer - Civil PLS.0004955 | Louisiana | 3/31/2025 | Registered 2006 | Professional Land Surveyor PE.122184 | Tennessee | 1/31/2025 | Registered 2019 | Professional Engineer - Civil PE.32982 | Mississippi | 12/31/2024 | Registered 2022 | Professional Engineer - Civil PE.145117 | Texas | 3/31/2024 | Registered 2022 | Professional Engineer - Civil	
Year registered	2014/2006	Discipline		
Contract role(s) / brief description of responsibilities			**QA/QC of all Surveyor work. He meets requirements of MPR 4**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
18 years of experience	*Mr. Estopinal has 18 years of experience as a PLS in Louisiana managing transportation and community development related projects for private clients, MoveBR, and LA DOTD. His survey experience includes Boundary, Topographic, As-Built and ALTA Surveys, Right-of-Way Mapping, Construction Layout, and control for aerial survey and mapping.*
4/23 – 9/23	**LA DOTD Project No. H.017322.5 – Morgan City Sidewalks & Shared Use Path, St. Mary Parish** *QA/QC*. Sub to Digital Engineering. This project included Right-of-Way Mapping, Topographic Survey, and Subsurface Utility Engineering to assist in the installation of sidewalks, handicapped ramps, drainage structures, and other related work in Morgan City. The project limits included Everett Street from Front Street to 4th Street, 4th Street from Everett Street to Barrow Street, and Myrtle Street from Youngs Road to Auditorium Drive. In the performance of this contract the existing right-of-way of twenty streets, one state highway right-of-way, and an irregular railroad right-of-way was determined at two crossing locations. All surveying was performed to LADOTD Location & Survey Section requirements.
3/22 – 8/23	**LA DOTD Project No. H.012685.5 – LA 385 : Ryan Street Intersection Improvisent** *QA/QC*. This project included a Topographic Survey in Calcasieu Parish near the intersection of I-210 and LA 385 (Ryan Street) near the campus of McNeese State University. The survey included all utilities, drainage, and finish floor elevations of buildings that fell within the survey limits. The total linear distance was approximately 2.67 miles. LiDAR Data was gathered using a Velodyne Mobile Scanner and Ladybug. Terrestrial Surveying was performed using a Leica TS16 Robotic Total Station and a Leica GS18 T GNSS RTK Rover. Data was processed using OpenRoads Designer TopoDOT and InSuite MicroStation. All surveying was performed to LADOTD Location & Survey Section requirements.

7/21 – 8/23	**LA DOTD Project No. H.004100.5 – I-10: LA 415 to Essen on I-10 and I-12** *QA/QC.* This project included a Property Survey and **extensive Right-of-Way Mapping** for approximately 4 miles of I-10 as well as multiple intersecting streets, for which a property map was created that encompassed the parcels affected by acquisition and accessibility. The project also included the creation of Base Right-of-Way Maps; Final Right-of-Way Map set of original matte films; drawing files; along with a pdf copy of the Full Title Research Report with affected parcel number and an ASCII parcel input file descriptions for approximately 125 parcels.
11/22 – 4/23	**City-Parish Project No. 20-CP-US-0099 – MoveBR – Airline Highway North (Florida Boulevard to I-110)** *QA/QC*. Sub to Huval and Associates. This project involved a Corridor LiDAR Survey and Quality Level "D" Subsurface Utility Engineering services on portions of northbound Airline Highway between Florida Boulevard and I-110 for the proposed improvements of the four-lane divided arterial to increase capacity and safety in the area as well as improve pedestrian movement through the corridor. Mobile LiDAR Data was gathered using a Trimble MX50, LadyBug, NovAtel Positioning, and Velodyne LiDAR. SUE data was collected using a combination of Ground-Penetrating Radar, air-assisted vacuum excavation, Electromagnetic Pipe and Cable locators, and other non-destructive detection equipment. All surveying was performed to LADOTD Location & Survey Section requirements, and all Subsurface Utility Engineering was completed to ASCE 38-02 standards.
11/21 – 12-21	**Conway Development Topographic Survey** *Project Manager.* Sub to Novus Reb Engineering. This project involved a Topographic Survey of a tract in the Conway development and was limited to running cross-sections through the project 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. All surveying was performed to LADOTD Location & Survey Section requirements.
3/22 - Ongoing	**The Settlement on Shoe Creek – Phase 2 of 3** *QA/QC.* This project involved professional engineering and land surveying services for The Settlement on Shoe Creek for development phase 2 of 3, which covers approximately 225 residential lots. This included Topographic Surveys, preliminary plats, ALTA surveys, As-Built Surveys, LOMR-F preparation and submission, and final plats. Project control was established using a Leica HxGN SmartNet as an RTN. All surveying was performed according the rules and regulations set forth by the Louisiana Professional Engineering and Land Surveying Board.

16. Staff Experience:

Firm employed by: **SJB Group, L.L.C**				
Name	**Charles "Tim" Brewer**		Years of relevant experience with this employer	**2**
Title	**Vice President of Surveying**		Years of relevant experience with other employer(s)	**28**
Degree(s) / Years / Specialization			Bachelor of Science in Forestry Management / 1988 / Mississippi State University	
Active registration number / state / expiration date			PLS.0005009 | Louisiana | 9/30/2025 PLS.35341-S | Alabama | 12/31/2025 RPLS.6142 | Texas | 12/31/2025 | Registered 2010 PS.1683 | Arkansas | 6/30/2025 | LS.2726 | Tennessee | 12/31/2025 | Registered 2008 80756RPP | Oregon | 12/31/2025 | Registered 2008 | Reg. Prof. Photogrammetrist PS.2766 | Mississippi | 12/31/2025 | Registered 1999 RF.1286 | Mississippi | 12/31/2025 | Registered 1988 | Registered Forrester	
Year registered	**2009**	Discipline		
Contract role(s) / brief description of responsibilities			**Surveyor of Record, Project Manager**.	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
30 years of experience	*Mr. Brewer has over 30 years of survey experience and over 15 years of experience managing a wide variety of surveying projects for USACE, MDOT, LADOTD, MoveBR, MoveAscension, and private clients. His survey experience includes Boundary, Topographic, As-Built and ALTA Surveys, Right-of-Way Mapping, Construction Layout, and control for aerial survey and mapping.*
10/23 - ongoing	**LA DOTD Project No. H005121 LA 1 – LA 415 Connector** **Project Manager.** The project provides field data for the design of a roadway to connect LA 415 to LA 1. The project is a supplement to previously performed surveying for the realignment of the due to recent development and construction. The project limits include a 2.9-mile corridor beginning approximately 0.2 miles north of the intersection of I-10 and LA 415 and continuing in a southeasterly direction along the extension of LA 415 across the intercoastal canal, industrial areas, and agriculture field to the intersection of LA. The project limits also include an approximate 1.8-mile corridor along LA 1 that extends from the roadway into residential, commercial, and retail areas. The project includes the collection of current conditions of the areas included in the project limits and merging the current data with the previous survey and updating any observed condition changes. The project includes the recovery and supplement of the existing control network. The collection of field data is completed through the utilization of conventional survey methods with survey total stations and global positioning systems (GPS). Mobile LiDAR methods are utilized for the collection of data along the high traffic segments of LA 1 and processed through Trimble Business Center, with data extraction performed through TopoDot. The survey is being conducted according to the Louisiana Department of Transportation and Development Location and Survey Manual. The deliverables will be provided in accordance with the LADOTD guidelines for electronic deliverables.

04/23 – 09/23	**LA DOTD Project No. H.017322.5 – Morgan City Sidewalks & Shared Use Path, St. Mary Parish** **Surveyor of Record/Project Manager**. Sub to Digital Engineering. This project included Right-of-Way Mapping, Topographic Survey, and Subsurface Utility Engineering to assist in the installation of sidewalks, handicapped ramps, drainage structures, and other related work in Morgan City. The project limits included Everett Street from Front Street to 4th Street, 4th Street from Everett Street to Barrow Street, and Myrtle Street from Youngs Road to Auditorium Drive. In the performance of this contract the existing right-of-way of twenty streets, one state highway right-of-way, and an irregular railroad right-of-way was determined at two crossing locations. All surveying was performed to LADOTD Location & Survey Section requirements.
08/20 – 09/23	**LA DOTD Contract No. H4400017597 – Rural Bridge Replacement Initiative** **Project Manager.** Sub to Burk-Kleinpeter. This project included a Topographic Survey, Right-of-Way Mapping, and roadway design performed for the proposed bridge replacements for LA DOTD Districts 03, 07, 61, and 62. Each site required a complete property map and the preparation of Right-of-Way Maps with supporting data for right-of-way acquisition. The Topographic Survey of the project limits of each bridge included a complete inventory for each drainage structure (type, size, length, and invert) and cross sections of all drainage ways. A Leica TS16 Robotic Total Station and a Leica GS18 T GNSS RTK Rover were used. All surveying was performed to LADOTD Location & Survey Section requirements.
03/22 – 8/22	**LA DOTD Project No. H.012685.5 – LA 385: Ryan Street Intersection Improvements** **Project Manager**. This project included a Topographic Survey in Calcasieu Parish near the intersection of I-210 and LA 385 (Ryan Street) near the campus of McNeese State University. The survey included all utilities, drainage, and finish floor elevations of buildings that fell within the survey limits. The total linear distance was approximately 2.67 miles. LiDAR Data was gathered using a Velodyne Mobile Scanner and Ladybug. Terrestrial Surveying was performed using a Leica TS16 Robotic Total Station and a Leica GS18 T GNSS RTK Rover. Data was processed using OpenRoads Designer TopoDOT and InSuite MicroStation. All surveying was performed to LADOTD Location & Survey Section requirements.
6/21 - Ongoing	**LA DOTD Project No. H.004100.5 – I-10: LA 415 to Essen on I-10 and I-12** **Project Manager.** SJB Group performed the property surveying along a 4.4-mile stretch of Interstate 10 from St. Joseph St. to College Dr. in East Baton Rouge Parish, Louisiana for the Louisiana Department of Transportation and Development's widening project. This project required extensive title research to acquire the necessary existing surveys and deeds (in addition to the substantial amount of review of the title research reports supplied to SJB by LADOTD). It also required field surveying and mapping of in excess of one hundred twenty five parcels along the project corridor, which range in size from small urban residential lots to large commercial tracts. This project corridor also encompasses existing drainage servitudes, a railroad right-of-way, and numerous side streets in the heart of Baton Rouge, all of which SJB surveyed and mapped.

16. Staff Experience:

Firm employed by:	**APS Engineering and Testing, LLC**			
Name	**Sergio Aviles, P.E., M. ASCE**		Years of experience with this firm/employer	**12**
Title	**President**		Years of experience with other firm(s)/employer(s)	**10**
Degree(s) / Years / Specialization			**BS / 2001/ Civil Engineering**	
Active registration number / state / expiration date			**0033571/ LA / 03-31-2026** Work Zone Traffic Technician and Flagger Certifications	
Year registered	**2007**	Discipline	**Civil Engineering**	
Contract role(s) / brief description of responsibilities			**Geotechnical Evaluation and QA/QC for Lab and field testing**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
22 years of experience	*NHI certifications Courses: Design & Implementation of Erosion & Sediment Control, Driven Pile Foundation Inspection and Design, Drilled Shaft Inspection, Design of Mechanically Stabilized Earth Walls and Reinforced Soil Slopes, and Design of Drilled Shafts Foundation.* *Pile Dynamic Analysis (PDA), WEAP, & CAPWAP* *Microsoft Visual Studio .NET programming course at LSU, and Microsoft Office Suite.*
06/20–Present	**Rural Bridge Replacement Initiative-** The scope includes **geotechnical investigation** and design for the replacement of 60 structures on the LA state highway system. Geotechnical investigation consists of drilling, laboratory testing, soil classification and site characterization. Engineering analysis includes slope stability analysis (when applicable) and pile capacity analysis for foundations to support new bridge structures. Mr. Aviles is the Supervisor-Engineer of the Geotechnical Investigation.
11/22–Present	**Project No. H.001344 US 190: LA 437 to US 190 BUS:** A P S was selected with the winning team for the **Geotechnical Investigation and Design** of the proposed new bridge. A total of 19 deep borings were drilled and tested for foundation recommendations. The scope also includes conducting testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed structures. A P S is currently providing PDA instrumentation, testing, and CAPWAP analysis. Mr. Aviles is the Project Manager for the Project Design Team.
09/19–Present	**Project No. H.0041005.5 and .6: I-10 LA415 to Essen Lane on I-10 and I-12:** The scope included **drilling and sampling** a

	total of 52 deep borings starting at the Washington Exit and ending at the LSU Lakes. A P S drilled a total of eight (8) over the water borings and 44 land borings. Along with this drilling and sampling, A P S tested for strength and engineering characteristics of the soils with approximately 1000 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits. A P S is currently providing PDA instrumentation, testing, and CAPWAP analysis. Mr. Aviles is the Project Manager to the Design Team.
01/22–05/24	**Project No. H.001352.6 and H.002273.5: Comite River Diversion Bridge at LA 67, LA 19, and LA 19 RR Bridge:** A P S was selected with the winning team for the Design of the Diversion CMAR project. A P S performed the **Geotechnical Design** for the project. The scope also included conducting testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed roadway structures. A P S performed a total of 4 **PDA during construction monitoring**. Mr. Aviles was the Project Manager for the Project Design team.
09/21–05/24	**Port Hudson-Pride Road (LA-964 – LA-19)-** The scope included **geotechnical investigation** to enable an evaluation of an acceptable foundation for the proposed pavement rehabilitation and new bridge. A total of 26 borings were drilled and tested for Geotechnical recommendations. Mr. Aviles was the Manager of the Design Team.
11/19–12/23	**Project No. H.010155: US 90 Railroad Overpass SE of LA 85-** A P S was selected with the winning team for the Geotechnical Investigation and Design for the proposed new overpass. A total of six (6) deep borings were drilled and tested for Geotechnical recommendations. Mr. Aviles was the Project Manager for the Project Design team.
03/21–11/22	**Nicholson Drive Segment 2 (Bluebonnet Blvd-Ben Hur Rd.)-** Scope of this project included **subsurface exploration** of conditions at the site to enable an evaluation of an acceptable foundation for the proposed pavement and the new bridge. Mr. Aviles was the Project Manager to the Geotechnical Deam.
08/16–10/19	**Project No. H.012422: I-110 Interchange Modification at Terrace Ave**- A P S was tasked through our DOTD **Geotechnical retainer** to drill and sample a total of six (6) deep borings for the design of the Terrace Ave Exit. A P S tested for strength and engineering characteristics of the soils with approximately 100 Triaxial Compression, Unconsolidated Drained or Undrained (UU) and Atterberg Limits performed by A P S Laboratory. Mr. Aviles was the Project Manager to the Geotechnical Investigations.

16. Staff Experience:

Firm employed by	**A P S Engineering and Testing, LLC**		
Name	**Sairam (Sai) Eddanapudi, M.S., P.E.**	Years of experience with this firm/employer	**10**
Title	**Chief Engineer**	Years of experience with other firm(s)/employer(s)	**8**
Degree(s) / Years / Specialization	**ME/ 2002 / Civil Engineering** **BE /1999 / Civil Engineering**		
Active registration number / state / expiration date	**0035129/ LA / 03-31-2026**		
Year registered: **2008**	Discipline: **Civil Engineering**		
Contract role(s) / brief description of responsibilities	**Geotechnical Engineer and Laboratory QA Manager.**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
06/20–Present	**Rural Bridge Replacement Initiative-** The scope includes geotechnical investigation and design for the replacement of 60 structures on the LA state highway system. Geotechnical investigation consists of drilling, laboratory testing, soil classification and site characterization. Engineering analysis includes slope stability analysis (when applicable) and pile capacity analysis for foundations to support new bridge structures. Mr. Sai is the Chief Engineer of Geotechnical Investigation.
11/22–Present	**Project No. H.001344 US 190: LA 437 to US 190 BUS:** A P S was selected with the winning team for the Geotechnical Investigation and Design of the proposed new bridge. A total of 19 deep borings were drilled and tested for foundation recommendations. The scope also includes conducting testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed structures. A P S is currently providing PDA instrumentation, testing, and CAPWAP analysis. Mr. Sai is the Chief Engineer for the Project Design Team.
09/19–Present	**Project No. H.0041005.5 and .6: I-10 LA415 to Essen Lane on I-10 and I-12:** The scope included drilling and sampling a total of 52 deep borings starting at the Washington Exit and ending at the LSU Lakes. A P S drilled a total of eight (8) over the water borings and 44 land borings. Along with this drilling and sampling, A P S tested the strength and engineering characteristics of the soils with approximately 1000 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits. A P S is currently providing PDA instrumentation, testing, and CAPWAP analysis. Mr. Sai is the Chief Engineer for the Project Design Team.
01/22–05/24	**Project No. H.001352.6 and H.002273.5: Comite River Diversion Bridge at LA 67, LA 19, and LA 19 RR Bridge:** A P S was selected with the winning team for the Design of the Diversion CMAR project. A P S performed the Geotechnical Design for the project. The scope also included conducting testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed roadway structures. A P S performed a total of 4 PDA during construction monitoring. Mr. Sai was the Chief Engineer for the Project Design Team.
09/21–05/24	**Port Hudson-Pride Road (LA-964 – LA-19)-** The scope included geotechnical investigation to enable an evaluation of an acceptable foundation for the proposed pavement rehabilitation and new bridge. A total of 26 borings were drilled and tested for Geotechnical recommendations. Mr. Sai was the Chief Engineer for the Project Design Team.
11/19–12/23	**Project No. H.010155: US 90 Railroad Overpass SE of LA 85-** A P S was selected with the winning team for the Geotechnical Investigation and Design for the proposed new overpass. A total of six (6) deep borings were drilled and tested for Geotechnical recommendations. Mr. Sai was the Chief Engineer for the Project Design Team.

16. Staff Experience:

Firm employed by	ARCADIS		
Name	**Akhil Chauhan, PE, PTOE, PTP, PMP**	Years of relevant experience with this employer	**16**
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. 09/2026; PTOE #2544 / USA / Exp. 11/2026;** **PTP #246 / USA / Exp. 12/2024; PMP #1444676 / PA / Exp. 08/2025**	
Year registered	**2008**	Discipline	**Civil Engineering**
Contract role(s) / brief description of responsibilities.		**Traffic and Safety Technical Advisor**	

Experience dates	Experience and qualifications relevant to the proposed contract
22 years of experience	*Mr. Chauhan is a principal traffic engineer with more than 20 years of applied research and industry experience in the fields of highway safety, traffic engineering, traffic modeling and simulation, transportation planning, demand modeling/forecasting, intersection/corridor analysis, safety studies, NEPA 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. Mr. Chauhan has completed the LADOTD Traffic Engineering Process and Report Training.*
04/16 – 09/18	**New Orleans Pedestrian Stage 0 Safety Feasibility Study, LADOTD, Orleans Parish, LA.** Principal Engineer & Technical Advisor. Preparation of pedestrian safety study for 20 intersections with high occurrence of pedestrian safety issues - especially between motorized and non-motorized travel modes. Scope of services include data collection (for both vehicles and pedestrians), analysis of existing traffic conditions, historical crash data evaluation, investigation of safety deficiencies at each intersection, recommendation of safety improvements such as traffic signal improvements, intersection striping improvements, signing improvements, lighting improvements, sidewalk/crosswalk improvements, curb extensions, traffic calming, ADA compliance including curb ramps, and parking modifications, analysis of alternatives and conceptual layout development, cost estimates, and Stage 0 checklists.
02/18 – 06/21	**Baton Rouge Pedestrian and Bicycle Safety Action Plan and Road Safety Assessments, LADOTD, East Baton Rouge Parish, LA.** Principal Engineer. Responsible for contract management and technical advisory for the project, which involved the development of a Pedestrian and Bicycle Safety Action Plan (PBSAP). Arcadis developed screening criteria based on crash data and socioeconomic data to identify high priority locations with a history of pedestrian and/or bicycle crashes and performed Road Safety Assessments (RSAs) at 10 priority locations to identify safety deficiencies and develop safety countermeasures to improve safety for pedestrians and bicyclists.
12/13 – 06/15	**LA 3235 Stage 0 Safety Feasibility Study, LADOTD, Lafourche Parish, LA**. *Project Manager and Principal Engineer*. Responsible for the preparation of a formal corridor safety study that analyzed alternatives and enhanced safety and mobility 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 RCUT, MUT, and Continuous T-intersections. Safety performance of alternatives was estimated using Highways Safety Manual predictive methods. Preliminary cost estimates and conceptual layout drawings were also produced. Stage 0 checklists were complete as part of study documentation.

12/13 – 05/15	**Joe Sevario / Roddy Road Stage 0 Safety Feasibility Study, LADOTD, Ascension Parish, LA.** Project Manager and Principal Engineer. 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 include traffic data collection, crash analysis, capacity analysis, safety analysis, review of existing pipelines and other municipal utilities, alternatives analysis, design development, and cost estimates.
04/16 – 10/19	**I-12 Hard Shoulder Running Feasibility Study and Preliminary Design, LADOTD, East Baton Rouge and Livingston Parishes, LA.** Principal Engineer. Responsible for contract management and technical advisory of project tasks. Arcadis researched best practices around the country to develop potential alternatives. Highway Safety Manual methods were applied to quantify the safety performance of proposed alternatives. Traffic analysis was performed using a calibrated microsimulation model to evaluate the operational performance of HSR and HOV lane alternatives. Conceptual drawings and construction cost estimates were developed to evaluate the feasibility of proposed alternatives.
02/15 – 08/17	**US 71 Corridor - Phase II Stage 0 Feasibility Study, LADOTD; Rapides Parish, LA.** Principal Engineer. Responsible for overseeing the preparation of a traffic and safety 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. Arcadis developed alternatives to address identified needs on US 71 using a data driven, tiered analysis approach. Alternatives were developed in close coordination with District 08 staff to better understand project needs and incorporate context sensitive solutions.
02/17 – 02/18	**I-49 Interchange Stage 0 Safety Feasibility Study, LADOTD, Lafayette Parish, LA.** Principal Engineer. Responsible for contract management and technical advisory for project tasks including data collection and analysis, traffic and safety analysis, and conceptual design drawings. Purpose of the project was to identify feasible improvement alternatives 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 context sensitive solutions.
04/16 – Ongoing	**Pete's Highway Interchange Alternatives and Environmental Assessment, LADOTD, Denham Springs, LA.** Principal Engineer. Responsible for contract management and deliverables for the project which included traffic and safety analysis, alternative screening and analysis, preliminary roadway and bridge design, line and grade, Interchange Modification Report, and Environmental Assessment. Purpose of the project is to improving operations and safety along Range Avenue at the I-12 interchange and along I-12. Design alternatives included two split diamond interchange options with roundabout, partial cloverleafs, 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.
11/20 – Ongoing	**I-10 CMAR, LADOTD, East Baton Rouge Parish, LA**. Principal Engineer: 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 Interstate-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.

16. Staff Experience:

Firm employed by	ARCADIS		
Name	**Ari Deitch, PE, PTOE, PTP, RSP**	Years of relevant experience with this employer	**10**
Title	**Senior Traffic Engineer**	Years of relevant experience with other employer(s)	**2**
Degree(s) / Years / Specialization		**PE.0041842 / LA / Exp. 03/2022; PTOE #4346 / USA / Exp. 11/2023 PTP #690 / USA / Exp. 07/2022; RSP #37 / USA / Exp. 12/2024;**	
Active registration number / state / expiration date		**PE.0041842 / LA / Exp. 03/2026; PTOE #4346 / USA / Exp. 11/2026 PTP #690 / USA / Exp. 07/2025; RSP #37 / USA / Exp. 12/2024;**	
Year registered	**2018**	Discipline	**Civil Engineering**
Contract role(s) / brief description of responsibilities.		**Traffic Engineering**	

Experience dates	Experience and qualifications relevant to the proposed contract
12 years of experience	*Mr. Deitch is a Senior Traffic Engineer specializing in traffic safety, traffic engineering and design, transportation management, and conceptual roadway design. Mr. Deitch has experience managing and working on a wide range of transportation projects for LADOTD, and other DOTs and municipalities across the country, pertaining to safety studies, access management, pedestrian and bicycle improvements, completed streets, Stage 0 feasibility studies, traffic studies, transportation management plans, NEPA studies, signal design, and signing and marking design. He has experience with Highway Safety Manual methods and is proficient in IHSDM, Synchro, Vistro, VISSIM, SIDRA, and MicroStation software.*
04/16 – 09/18	**New Orleans Pedestrian Stage 0 Safety Feasibility Study, LADOTD, Orleans Parish, LA**. Assistant Project Manager. Responsible for assessing existing and future safety deficiencies related to pedestrian and bicycle modes and selecting safety countermeasures for 20 high-risk locations. Developed design drawings for proposed short-term and long-term improvement phases and conducted benefit-cost analysis to inform project prioritization. Conducted safety analysis using Highway Safety Manual predictive methods. Organized and lead project stakeholder meetings to review alternatives, obtain feedback, and develop context sensitive solutions. Completed Stage 0 documentation including Preliminary Scope and Budget and Environmental Checklists for all 20 intersections.
02/23 – 05/24	**District 04 Pedestrian Safety Improvements, LADOTD, Caddo and Bossier Parishes, LA.** Project Manager. Responsible for assessing existing and future safety deficiencies related to pedestrian and bicycle modes at identified high-risk locations in Caddo and Bossier Parishes. Locations were identified through a systemic safety analysis conducted by LADOTD and CARTS. Tasks included historical crash analysis, site visits, concept development, benefit-cost analysis, and stage 0 documentation. Stakeholder engagement was a critical component of the study and stakeholder input was facilitated at key project milestones.
02/18 – 06/21	**Baton Rouge Pedestrian and Bicycle Safety Action Plan and Road Safety Assessments, LADOTD, East Baton Rouge Parish, LA.** Traffic Engineer. 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. Participated in Road Safety Assessments (RSAs) at 10 priority locations to identify and evaluate safety deficiencies and develop safety countermeasures to improve safety for pedestrians and bicyclists.
02/15 – 09/18	**US 71 Corridor - Phase II and III Traffic and Safety Corridor Study, LADOTD; Rapides Parish, LA.** Project Manager and Traffic Engineer. Responsible for overseeing and managing project tasks including traffic data collection, warrant studies, traffic analysis, crash analysis, alternative and countermeasure development, predictive safety analysis, and conceptual drawings.
01/19 – 05/20	**US 90 Ramps at LA 88 Roundabouts, Iberia Parish, Louisiana.** Transportation Engineer. Assisted with permanent signing and striping components of roadway safety design plans to accommodate the construction of proposed roundabouts.

08/14 – 06/15	**LA 3235 Stage 0 Safety Feasibility Study, LADOTD, Lafourche Parish, LA.** Traffic Engineer. Responsible for review of existing crash data and traffic operations analysis, development of safety countermeasures, conceptual drawings, signal warrant analysis and timing plans. and Stage 0 documentation. Purpose of the project was 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. Safety performance of alternatives was estimated using Highways Safety Manual predictive methods.
04/16 – 10/19	**I-12 Hard Shoulder Running Feasibility Study and Preliminary Design, LADOTD, East Baton Rouge and Livingston Parishes, LA**. Traffic Engineer. Conducted traffic analysis using a calibrated microsimulation model to evaluate the operational performance of HSR and HOV lane alternatives. Developed conceptual drawings and construction cost estimates to evaluate the feasibility of proposed alternatives.
02/17 – 02/18	**I-49 Interchange Stage 0 Safety Feasibility Study, LADOTD, Lafayette Parish, LA.** Traffic Engineer. Responsible for data collection and analysis, traffic and safety analysis, and conceptual design drawings. Purpose of the project was to identify feasible improvement alternatives 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 context sensitive solutions.
04/21 - Ongoing	**Louisiana Strategic Highway Safety Plan Update, LADOTD, Statewide, LA.** Project Manager. Responsible for managing project tasks and deliverables that Arcadis is responsible for and ensuring QAQC protocols are performed. Arcadis is performing all crash data analysis tasks for the SHSP update, including a statistical analysis of existing emphasis areas and evaluating potential modifications to emphasis areas.
08/19 – 02/20	**US 61 Access Management and Corridor Improvements, LADOTD, East Baton Rouge Parish, LA.** Technical support and QAQC. Project purpose was to evaluate the effectiveness of proposed access management improvements along US 61 and identify feasible alternatives to maximize operational and safety benefits. Evaluated the need for pedestrian and bicycle accommodations based on historical crash data and adjacent land use. Assisted with the development of construction cost estimates and benefit-cost analysis to compare the effectiveness of proposed alternatives.
04/16 – Ongoing	**Pete's Highway Interchange Alternatives and Environmental Assessment, LADOTD, Denham Springs, LA.** Traffic Engineer. Responsible for traffic analysis of proposed alternatives using VISSIM software. Played a key role in the development of preliminary roadway design drawings, incorporation LADOTD's Complete Streets Policy, and implementing enhanced pedestrian safety measures such as high visibility crosswalks. 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.
02/15 – 11/17	**Intersection Feasibility Study - Evangeline Thwy, Johnston St, & Louisiana Ave, LADOTD, Lafayette Parish, LA.** Traffic Engineer: Responsible for review of existing crash data, traffic operations analysis, and development of design alternatives. Objective is to develop alternatives for the intersection of Evangeline Thruway (US 167/90) and Johnston Street (US 167) / Louisiana Avenue (LA 94) that will improve safety and mobility. Evangeline Thruway consists of two one-way roadways with three lanes in each direction. Three alternatives for each intersection at Johnston Street / Louisiana Avenue were developed based on the results traffic and safety analysis.

16. Staff Experience:

Firm employed by	ARCADIS		
Name	**Max Aguirre, PhD, PE, RSP, PTOE**	Years of relevant experience with this employer	**5**
Title	**Transportation 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. 052016/ NC / Exp. 12/31/2024 ; PE. 0047579/ LA / Exp. 09/30/2025 ;** **RSP2I #182 / USA / Exp. 7/2027; PTOE: 5291/ Exp 07/2025**	
Year registered	**2021**	Discipline	**Civil Engineering**
Contract role(s) / brief description of responsibilities.		**Traffic Engineering**	

Experience dates	Experience and qualifications relevant to the proposed contract
6 years of experience	*Dr. Aguirre is a Professional Engineer in the state of North Carolina and a Road Safety Professional. Over the course of his academic career, Dr. Aguirre has served as a Graduate Research Assistant and participated in multiple field-related organizations. Dr. Aguirre has experience working on projects for Louisiana Department of Transportation and Development (LADOTD) pertaining to traffic and safety studies, feasibility studies, pedestrian and bicycle improvements, permanent signing design, signal design, and NEPA studies. He is also familiar with the Highway Capacity Manual, Highway Safety Manual, MUTCD, and AASHTO "Green Book". Dr. Aguirre is also knowledgeable in the application of several software programs including IHSDM, SYNCHRO, GuidSIGN, HCS and MicroStation software. Dr. Aguirre has completed LADOTD Traffic Engineering Process and Report Training.*
09/19 – 06/21	**Baton Rouge Pedestrian and Bicycle Safety Action Plan and Road Safety Assessments, LADOTD, East Baton Rouge Parish, LA.** Traffic Engineer. Assisted with the assessment of 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. Assisted in the development of Road Safety Assessments (RSAs) at 10 priority locations to identify and evaluate safety deficiencies and develop safety countermeasures to improve safety for pedestrians and bicyclists.
09/19 – Ongoing	**Interchange Feasibility – I-49 (Ricohoc to Berwick) Supplemental Environmental Impact Assessment, LADOTD, St. Mary Parish, LA.** Traffic Engineer. Assist in project tasks involving planning and evaluation of different interchange alternatives and their geometric design, socio-economic impacts, mobility impacts, and environmental impacts.
10/19 – 07/21	**I-10 New Orleans to Slidell Hard Shoulder Running Feasibility Study, LADOTD, Orleans Parish, LA.** Traffic Engineer. Purpose of the project was to evaluate the feasibility of implementing HSR lanes along I-10 to alleviate existing bottlenecks and congestion along critical segments of the corridor. Assisted in the development of conceptual drawings and typical sections for proposed Hard Shoulder Running (HSR) alternatives on I-10 between New Orleans and Slidell.
08/19 – 02/20	**US 61 Access Management and Corridor Improvements (Airline Hwy) Feasibility Study, LADOTD, East Baton Rouge Parish, LA.** Traffic Engineer. Project purpose was to evaluate the effectiveness of proposed access management improvements along US 61 and identify feasible alternatives 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 benefit-cost analysis to compare the effectiveness of the proposed alternatives.
11/20 – Ongoing	**I-10 CMAR, LADOTD, East Baton Rouge Parish, LA. Traffic Engineer.** 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 existing condition safety analysis including tasks such as crash data analysis, collision diagrams, and crash report documentation.

17. Firm Experience:

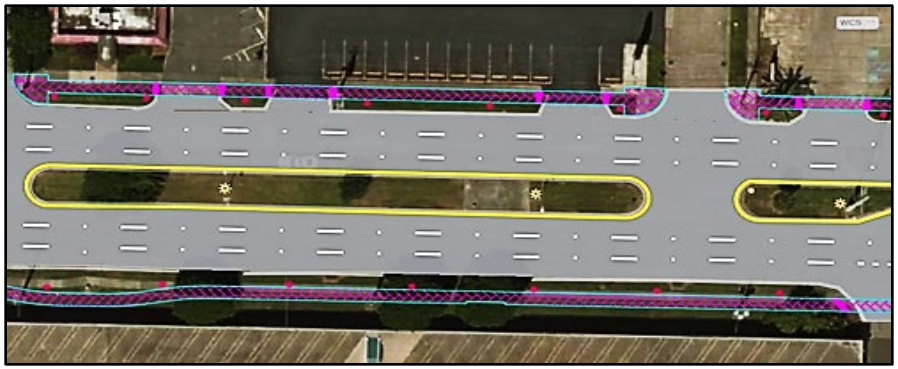
Project name	**Severn Avenue Corridor Improvements**			Firm responsibility (prime or sub?)	**Prime**
Project number	**S.P. No. H011752**	Owner's name	**Jefferson Parish Dept. Public Works Department**		
Project location	**Jefferson Parish, LA**		Owner's Project Manager	**Mark Drewes, P.E.**	
Owner's address, phone, email	**1221 Elmwood Park Blvd., Jefferson, LA 70123, 504-736-6506, mdrewes@jeffparish.net**				
Services commenced by this firm (mm/yy)	**03/15**	Total consultant contract cost ($1,000's)		**$2,602**	
Services completed by this firm (mm/yy)	**09/22**	Cost of consultant services provided by this firm ($1,000's)		**$2,415**	

ECM provided engineering designs and prepared plans, specifications, and estimate (PS&E) for this **$14.2 million, 6-Lane divided, major Portland Cement Concrete (PCC) roadway.** This corridor of Severn Avenue with businesses on both sides, including Lakeside mall on east side is the is the most heavily travelled busy street in Jefferson Parish. The purpose of the project is to make Severn Avenue corridor pedestrian friendly **complete street.** As a part of the Federal Aid Urban System program, **all engineering design and plan preparation was performed in accordance with LADOTD standards and guidelines.** Plans and specifications were reviewed by the Road design section and all their comments were incorporated on the plans.

During field investigations and preliminary study, ECM engineers discovered that the existing pavement has signs of distresses in many locations as well as evidence of street flooding during moderate to heavy rain events. ECM recommended to the Parish that improvements to the existing subsurface drainage is essential to make the project a success for the intended purpose. Since existing subsurface drainage systems are located in the paved areas and that the project scope included removal and replacement of the PCC roadway, ECM engineers recommended to replace drainage system, add large new trunk lines for retention of runoffs to minimize flooding in the area. This was approved and funded by RPC and the Parish.

Work included topographic and subsurface utility survey; development of existing and proposed drainage maps with associated hydraulic computations, design for the new 3 lanes each for North and South bound PCC roadway, widening and improvements to roadway intersections, modifications to traffic signals including new pedestrian signals, new decorative streetlights; new 8-foot wide brick paved sidewalks with ADA compliant ramps; new landscaping including irrigation system, roadway striping and designing a dedicated bike lane with buffer and construction of ten parklets with pavers, benches, potted plantings, bike racks, etc.

ECM provided project management, engineering designs, prepared plans, specifications and estimates (PS&E) including sequence of construction plans, traffic detour plans. ECM provided coordination with JP-DPW, LADOTD, JP Council, RPC, various utility entities and subconsultants.



Personnel Worked on this Project and used in this Proposal:
Ujjal DasGupta, P.E. Principal, Kazem Alikhani, PE- Project Mgr.
Sunina Shrestha, PE- Design Mgr., Marvin May – CADD Tech.
Kim Martinez, Lead Inspector

Prime consultant name: ***ECM Consultants, Inc.***

17. Firm Experience:

Firm Name	**ECM Consultants, Inc.**	Past Performance Evaluation Discipline(s)*	**Road**
Project Name	**Glen Oaks Drive** ***(Plank Rd. to McClelland Rd.),***	Firm responsibility (prime or sub?)	**Prime**
Project number	**12-CS-HS-0047**	Owner's name	**City of Baton Rouge**
Project location	**Baton Rouge, LA**	Owner's Project Manager	**Craig Rabelais, P.E,**
Owner's address, phone, email	**PO Box 1471, Baton Rouge, LA 70812 ; 225.731.3607 ; crabelais@brgov.com**		
Services commenced by this firm (mm/yy)	**08/14**	Total consultant contract cost ($1,000's)	**$ 597**
Services completed by this firm (mm/yy)	**02/17**	Cost of consultant services provided by this firm ($1,000's)	**$ 481**

ECM **provided engineering design services for this $10 million roadway reconstruction project** for replacing approximately one mile of two-lane urban collector road with a three-lane asphaltic concrete roadway with upgrades to all intersections, new sidewalks with ADA ramps and subsurface drainage system.

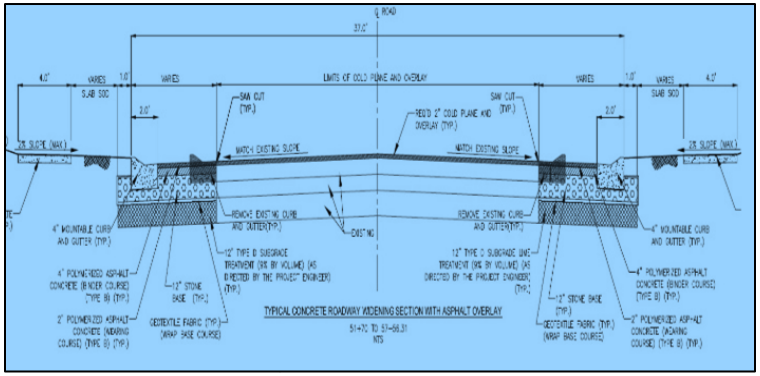
Work included removal of the existing road and reconstruction with **asphaltic concrete roadway including curb and gutter, improvements to intersections**. and a 6-foot adjacent sidewalk. The scope also included adding extension to the existing road and cold planning and overlaying the existing portion for the section between McClelland Dr and Ash Drive. Work also included drainage improvement, adding sidewalk on both sides of the road and stripping for the glen oaks drive from Plank Rd to Ash Drive.

Based on the traffic study performed, dedicated left turn lanes were added at Plank Road and Glen oaks drive intersection, North Foster drive and Glen oaks drive Intersection and McClelland Drive and Glen Oaks drive intersection. All required traffic safety signs at the intersections were also included in the project.

Phase 1 (Design study report) of the project involved performing a full topographic and utility survey, Property survey, preparation of ROW plan, geotechnical investigations and analysis, Environmental study and Traffic study as well as conceptual design of the new road and subsurface drainage systems. The design study also included **hydraulic analysis for the outfall structure** that is two 8'x8' concrete box culverts under Airline Highway.

Phase 2 (Final design**)** of the project included engineering design and preparation of final plans, specifications, and estimates (PS&E) for the **new roadway** and **intersections,** concrete sidewalks, ADA compliant ramps at roadway intersections, subsurface drainage system and pavement striping**.**

ECM provided project management, engineering designs, prepared plans and profiles, typical sections, cross sections and details, specifications and estimates. ECM provided coordination with DPW- City of Baton Rouge, utility entities and subconsultants such as surveyor, traffic engineer and Geotech as required for this project. **The design of the project and plan preparation was done conforming to DPW-City of Baton Rouge design standards and guidelines and the intersections were designed conforming to the AASHTO Green book and LADOTD standard plans.**



Firm members worked on this project and used in this proposal (Highlighted)

Ujjal Dasgupta, PE, Sunina Shrestha, PE, John Rasi, PE, Chris Capretto, PE

17. Firm Experience:

Firm name	**ECM Consultants, Inc.**	Past Performance Evaluation Category(ies)*	**Road**
Project name	**Napoleon Avenue Rehabilitation (S. Claiborne to Carondelet)**	Firm responsibility (prime or sub?)	**Sub to AECOM**
Project number	**AECOM 046105386.0001**	Owner's name	**S&WB of New Orleans**
Project location	**Orleans Parish, LA**	Owner's Project Manager	**Ron Spooner, PE (S&WB) / Jonathan G. McDowell, P.E. (AECOM)**
Owner's address, phone, email	**8800 S. Claiborne Ave. New Orleans, LA 701168, (504) 865-0650, RSpooner@swbno.org**		
Services commenced by this firm (mm/yy)	**05/03**	Total consultant contract cost ($1,000's)	**$1,078**
Services completed by this firm (mm/yy)	**10/15**	Cost of consultant services provided by this firm ($1,000's)	**$1,078**

ECM provided **engineering designs** and prepared plans, specifications and estimate (PS&E) and CA services for reconstruction/rehabilitation of this 4-Lane divided road with bike lane, parking lane and grass median**.** This major collector road is located in residential and commercial areas. This **$21 million reconstruction/rehabilitation of Napoleon** Avenue (between South Claiborne Ave. and Carondelet Street) including all side road intersections, sidewalks and roadway subsurface drainage was a part of the $55 million construction of a major drainage box culvert in the roadway median under SELA program.

ECM's scope of work for roadway **reconstruction and rehabilitation** and related work included coordination with surveyor for topographic and utilities survey, USACE-NOD, S&WBNO, Entergy and other utilities entities, DPW-City of New Orleans, the Baptist hospital and other businesses that was impacted by construction of this project. ECM also coordinated with Geotechnical engineering subconsultant for geotechnical investigations, analysis and report and Traffic engineering subconsultant for traffic control and detour plans.

ECM performed engineering design for this **4- lane roadway** including concrete curb and gutter, improvements to intersections with ADA ramp, sidewalk, driveways, hydraulic analysis for sizing drain lines, locations of inlets and tie-in to the new box culvert. Roadway work in general included PCC and asphalt pavement. **Roadway reconstruction work included** roadway removal, scarifying, adding geotextile fabrics and aggregate base, grading and compacting, paving with curb and gutter**. Roadway rehabilitation work included** milling, patching, base repairs, and asphalt overlay.

ECM prepared preliminary design plans, final design included incorporating plan-in-hand and other comments into preliminary plans, traffic control plans, prepared the specifications, and final construction plans. ECM also provided the construction administrative service for this project.

Personnel worked on this project and used in this proposal:
Ujjal Dasgupta, P.E.
Sunina Shrestha, P.E.

Prime consultant name: **ECM Consultants, Inc.**

17. Firm Experience:

Firm name	**ECM Consultants, Inc.**	Past Performance Evaluation Discipline(s)*	**CE&I/OV**
Project name	**Lapalco Boulevard Improvements**	Firm responsibility (prime or sub?)	**Prime**
Project number	**S.P. Nos. 742-26-0050, -0052 and -0055**	Owner's name	**Jefferson Parish Dept. of Public Works**
Project location	**Jefferson Parish, LA**	Owner's Project Manager	**Nelson Capote, P.E.**
Owner's address, phone, email	**1221 Elmwood Park Blvd #802, Harahan, LA 70123, 504-736-6511, Nelson.capote@la.gov**		
Services commenced by this firm (mm/yy)	**10/05**	Total consultant contract cost ($1,000's)	**$609**
Services completed by this firm (mm/yy)	**08/07**	Cost of consultant services provided by this firm ($1,000's)	**$609**

ECM provided engineering design, preparation of plans and specifications, cost estimates, construction contract administration, and construction engineering and inspection (CE&I) for these **$3.9 million** (total for all 3 phases) **roadways rehabilitation to Lapalco Boulevard.** Scope of work for design phase for each of the phases included the following:

Phase I (Belle Chasse Hwy to Wall Blvd.): Scope of work included **cold milling asphalt** roadway, base repairs where required, curb and gutter repair, adjustment of catch basins and manholes, drain line repair, **asphalt leveling course, wearing course overlay**, striping, and traffic signals.

Phase II (Wall Blvd. to Timberlane Dr.): This rehabilitation phase involved cold planning, repairing/replacing concrete curb, base repairs, adjusting catch basins and manholes, asphalt **leveling course, asphaltic concrete overlay, new concrete approach slabs for existing bridges**, pavement markings, and replacing traffic signal loop detectors.

Phase III (Timberlane Dr. to Manhattan Blvd.): This roadway has asphaltic concrete overlay over PCC concrete road. The scope of this phase included cold planing the existing road, **replacing damaged concrete panel**, cleaning drain lines, adjusting catch basins, repairing/replacing concrete curbs, **asphaltic concrete overlay**, striping, and replacing traffic signal loop detectors.

For construction phase services, ECM was responsible for scheduling and conducting the pre-construction meeting; maintaining all construction field records; making daily entries in the project diary; and monitoring construction work to make sure all work was in conformance with plans and specifications. ECM's on-site inspectors monitored contractor's construction operations; kept clear and concise records of the construction operations; and prepared monthly pay estimates, plan changes, and monthly progress reports in conformance with DOTD requirements.

Personnel Worked on this Project and used in this Proposal:

Ujjal Dasgupta, P.E., Marvin May

17. Firm Experience:

Firm Name	**ECM Consultants, Inc.**			Past Performance Evaluation Discipline(s)*	**Bridge**
Project Name	**West Metairie Avenue Bridge Replacement**			Firm responsibility (prime or sub?)	**Sub**
Project number	**JPPW No. 2016-080-DR**		Owner's name	**Jefferson Parish DPW**	
Project location	**Jefferson Parish, LA**		Owner's Project Manager	**Mark Drewes, P. E.**	
Owner's address, phone, email	**1221 Elmwood Park Blvd., Jefferson, LA 70123; 504.736.6506 ; mdrewes@jeffparish.net**				
Services commenced by this firm (mm/yy)	**04/16**	Total consultant contract cost ($1,000's)		**$285**	
Services completed by this firm (mm/yy)	**09/18**	Cost of consultant services provided by this firm ($1,000's)		**$114**	

ECM provided engineering design services for this **$2.1 million bridge** construction project. ECM engineers performed structural engineering design and prepared plans, specifications and estimates (PS&E) for this project.

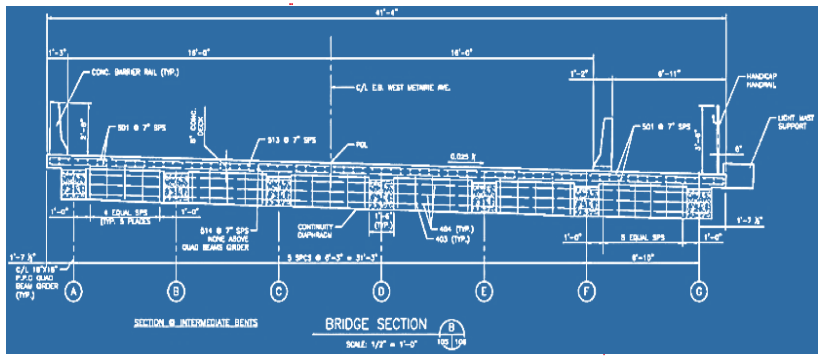
West Metairie Road is a divided major road in Metairie and there are two bridges at Soniat canal crossing. Bridge on north side was removed and replaced by the parish earlier. **This project comprised of replacement of the south side bridge on West Metairie Ave**. The total length of the bridge is 100 ft., spanning on three equal spans of concrete superstructure. The width of the two-lane one-way bridge is 42 ft which includes Two (2)- 12' travel lanes, shoulders on both sides and a 5' wide pedestrian lane.

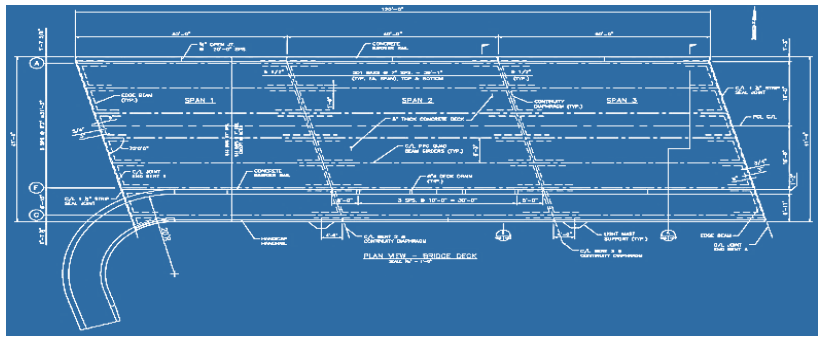
The analysis and design of the bridge was performed in conformance with the AASHTO LRFD bridge Design Standards as well as the requirements **of Louisiana LRFD Bridge Design Manual, Latest edition.**

The superstructure of the bridge consists of a reinforced concrete bridge deck supported by Quad Prestressed Concrete Beams. The reinforced concrete bents have been used to support the superstructure. The pile bents are supported by 18 in square prestressed concrete piles. Two abutments, one at each end, for the project are also pile supported wall abutments.

The structural analysis was performed by ECM's engineers for **HL-93 Live Load, both Truck and tandem, as well as Louisiana Special Design vehicles using STAAD PRO's moving load generating feature**. The bent was also analyzed using STAAD PRO program. Structural Concrete Design was performed using both computer assisted and manual design. The wind load on structure and on live load, stream forces, braking forces as well as bearings design calculations were performed manually to meet AASHTO criteria and design method.

ECM prepared plans conforming to the LADOTD Bridge Design Manual and construction specifications conforming to Jefferson Parish as well as **LADOTD standard specifications for Roads and Bridges.**





Firm members worked on this project and used in this proposal (Highlighted)

Ujjal DasGupta, P.E., Kazem Alikhani, PE, Sudhir Mehta, PE, Sunina Shrestha, P.E. Marvin May

17. Firm Experience:

Firm name	**A P S Engineering and Testing, LLC**		Past Performance Evaluation Discipline(s)*	** **Geotech** **	
Project name	**Comite River Diversion Bridge at LA 96, LA 19 and LA 19 RR**		Firm responsibility (prime or sub?)	**Sub**	
Project number	**H.001352.6**	Owner's name	**Huval & Associates, Inc.**		
Project location	**East Baton Rouge, LA**		Owner's Project Manager	**Thomas M. Gattles III, P.E.**	
Owner's address, phone, email	**922 West Pont des Mouton Road, Lafayette, LA 70507 / 337.234.3798/ tgattle@huvalassoc.com**				
Services commenced by this firm (mm/yy)	**01/22**		Total consultant contract cost ($1,000's)	**N/A**	
Services completed by this firm (mm/yy)	**On-going**		Cost of consultant services provided by this firm ($1,000's)	**$78K**	

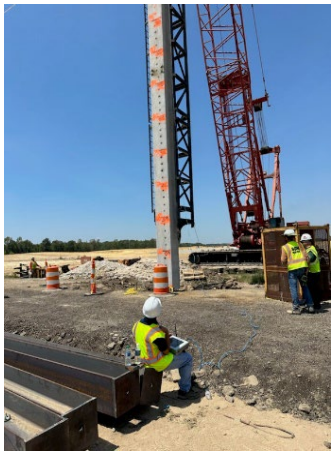
The scope of work includes providing roadway, geotechnical and structural construction related services. A P S is currently providing PDA instrumentation, testing and CAPWAP analysis.

Firm Members involved and staff used in this Proposal

Sergio Aviles, P. E. - Project Manager
Sairam Eddanapudi, P. E.- Project Engineer
Surendra Raj Pathak, M.S., P.E.- Staff Engineer
Joseph Layton - Technician

SIMILARITIES TO PROFESSIONAL GEOTECHNICAL SERVICES

X	Geotechnical Construction (GC)
X	Construction Inspection
X	Contract Management (CM)



Prime consultant name: ***ECM Consultants, Inc.***

17. Firm Experience:

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

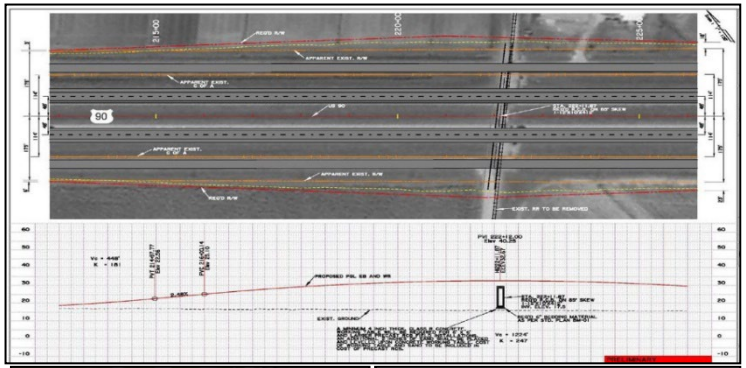
SCOPE- Geotechnical investigation to provide the client with necessary information for planning and design of a 2,400 ft. span bridge. A P S drilled a total of twelve (12) borings to a depth of 120ft. each. Undisturbed samples were continuously obtained from the ground surface to a depth of twenty (20) feet and at five (5) feet centers thereafter. A laboratory testing program was conducted to determine pertinent engineering characteristics of the subsurface material. This program included visual description and classification, determination of moisture content, liquid limit, plastic limit and plasticity, unconsolidated-undrained triaxial compression, and one-dimensional consolidation. Geotechnical analysis also included MSE was embankment settlement, stability analysis, pile capacity analysis, design, and general construction recommendations.

Firm Members involved and staff used in this Proposal

Sergio Aviles, P. E. - Project Manager
Sairam Eddanapudi, P. E.- Project Engineer
Surendra Pathak, MS, PE – Project Engineer

SIMILARITIES TO PROFESSIONAL GEOTECHNICAL SERVICES

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



Prime consultant name: ***ECM Consultants, Inc.***

17. Firm Experience:

Firm name	**A P S Engineering and Testing, LLC**		Past Performance Evaluation Discipline(s)*	** **CE&I/OV** **	
Project name	**I-10 Widening LA 415 to Essen LN**		Firm responsibility (prime or sub?)	**Sub**	
Project number	**H.004100**	Owner's name	**DOTD**		
Project location	**Baton Rouge, LA**		Owner's Project Manager	**Kristy Smith, P.E.**	
Owner's address, phone, email	**1201 Capital Access Rd., Baton Rouge, LA 70802-4438/ 225-379-1016/ kristy.smith2@ls.gov**				
Services commenced by this firm (mm/yy)	**09/19**	Total consultant contract cost ($1,000's)		**N/A**	
Services completed by this firm (mm/yy)	**09/24**	Cost of consultant services provided by this firm ($1,000's)		**$400K**	

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

As the project moved into the construction phase, A P S provided geotechnical and structural construction services including PDA instrumentation and testing.

Firm Members involved and staff used in this Proposal

Sergio Aviles, P. E. - Project Manager
Sairam Eddanapudi, P. E.- Staff Engineer

SIMILARITIES TO PROFESSIONAL GEOTECHNICAL SERVICES

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

Prime consultant name: ***ECM Consultants, Inc.***

17. Firm Experience:

Firm name	**SJB Group, L.L.C.**		Past Performance Evaluation Discipline(s)*	**Survey**	
Project name	**LA 1 to LA 415 Connector Topographic Survey**		Firm responsibility (prime or sub?)	**Prime**	
Project number	**H.005121**	Owner's name	**Louisiana DOTD**		
Project location	**Port Allen, West Baton Rouge Parish, Louisiana**		Owner's Project Manager	**Jonathan Herrod**	
Owner's address, phone, email	**225-379-1105, Jonathan.herrod@la.gov**				
Services commenced by this firm (mm/yy)	**04/19**		Total consultant contract cost ($1,000's)	**$247**	
Services completed by this firm (mm/yy)	**08/19**		Cost of consultant services provided by this firm ($1,000's)	**$243**	

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

Firm Members involved and staff used in this Proposal

Matthew Estopinal, PE, PLS
Eric Kidder, Party Chief
Elvis Nguyen, Field Crew Manager
Phillip Dowden, LiDAR Specialist

17. Firm Experience:

Firm name	**SJB Group, L.L.C.**		Past Performance Evaluation Discipline(s)*	**Right-of-Way, Survey**	
Project name	**I-10: LA 415 to Essen on I-10 and I-12**		Firm responsibility (prime or sub?)	**prime**	
Project number	**H.004100.5**	Owner's name	**Louisiana DOTD**		
Project location	**East Baton Rouge Parish, Louisiana**		Owner's Project Manager	**Joseph Arretteig**	
Owner's address, phone, email	**225-379-1105, joseph.arretteig@la.gov**				
Services commenced by this firm (mm/yy)	**06/21**	Total consultant contract cost ($1,000's)		**$193**	
Services completed by this firm (mm/yy)	**Ongoing**	Cost of consultant services provided by this firm ($1,000's)		**$193**	

This project was led by Project Manager, **Charles "Tim" Brewer** where SJB Group, LLC served as the prime contractor to perform the property surveying along a 4.4-mile stretch of Interstate 10 from St. Joseph St. to College Dr. in East Baton Rouge Parish, Louisiana for the Louisiana Department of Transportation and Development's widening project. This project required extensive title research to acquire the necessary existing surveys and deeds (in addition to the substantial amount of review of the title research reports supplied to SJB by LADOTD). Field work was led by **Elvis Nguyen with Erick Kidder** serving as party chief to survey and map more than one hundred parcels along the project corridor, which range in size from small urban residential lots to large commercial tracts. This project corridor also encompasses existing drainage servitudes, a railroad right-of-way, and numerous side streets in the heart of Baton Rouge, all of which SJB surveyed and mapped. Principal & CEO, **Matthew Estopinal**, served as lead QA/QC for the project.

Key Personnel
Charles "Tim" Brewer, Proj. Mng.
Matthew Estopinal, QA/QC
Erick Kidder, Party Chief
Elvis Nguyen, Field Crew Manager

17. Firm Experience:

Firm name	**SJB Group, L.L.C.**		Past Performance Evaluation Discipline(s)*	**Other (Subsurface Utility Engineering)**	
Project name	**LA 30: EBR PL – I-10**			Firm responsibility (prime or sub?)	**Sub**
Project number	**LA DOTD Project No. H.031797**	Owner's name	**Michael Baker International**		
Project location	**Ascension, Iberville, and East Baton Rouge Parishes**		Owner's Project Manager	**Daniel Thornhill**	
Owner's address, phone, email	**2600 Citiplace Drive, Baton Rouge, LA 70808 | (225) 218-2846 | Daniel.Thornhill@MBakerIntl.com**				
Services commenced by this firm (mm/yy)	**04/22**	Total consultant contract cost ($1,000's)		**$74k**	
Services completed by this firm (mm/yy)	**ongoing**	Cost of consultant services provided by this firm ($1,000's)		**$74k**	

This project was led by **Matthew Estopinal and Karen Kennedy** to provide Property Surveys, GIS, LiDAR Scanning, and Subsurface Utility Engineering (SUE) as a sub-consultant to Michael Baker to further the feasibility studies of the LA 30 corridor from the East Baton Rouge Parish Line to I-10 in Gonzales. This corridor is a key industrial corridor for rail and freight traffic and is in need of significant additional roadway capacity. Careful planning is required to ensure a successful project addressing all potential impacts including existing utilities which is often times the driving factor in the design of a project.

Austin LaCombe supported this project by providing required ASCE 38-02 Quality Level "D" services throughout the entire project limits. Due to the significant number of pipelines within the corridor, SJB Group also conducted field observations to determine the order of the pipelines within the right-of-way. These field observations of pipeline markers resulted in several additional pipelines being identified beyond the records that were received.

SJB Group developed the property boundary maps by obtaining parcel shape files and converting them to State Plane Coordinates. SJB Group also reviewed the LIDAR data provided by LA DOTD to confirm that accurate and sufficient data was provided as necessary for the development of design alternatives.

Key Personnel
Matthew Estopinal, PE, PLS, Project Manager
Karen Kennedy, PE
Austin LaCombe

17. Firm Experience:

Firm name	ARCADIS		Past Performance Evaluation Discipline(s)*	**Planning, Traffic**	
Project name	**Baton Rouge Pedestrian and Bicycle Safety Action Plan and Road Safety Assessments**		Firm responsibility (prime or sub?)		**Prime**
Project number	**H.013029.1**	Owner's name	**Louisiana Department of Transportation and Development (LADOTD)**		
Project location	**East Baton Rouge Parish, LA**		Owner's Project Manager	**Jessica DeVille**	
Owner's address, phone, email	**1201 Capitol Access Road, Baton Rouge, LA 70802, 225 379 1844, jessica.deville@la.gov**				
Services commenced by this firm (mm/yy)	**03/18**		Total consultant contract cost ($1,000's)		**$438**
Services completed by this firm (mm/yy)	**06/21**		Cost of consultant services provided by this firm ($1,000's)		**$550**

Firm's Role: The City of Baton Rouge has been identified as a focus city for pedestrian and bicycle safety improvements. Arcadis is responsible for a two-phase project, which included 1) developing strategic safety action plan to provide a basis for data-driven implementation of safety measures and 2) identifying prioritized list of locations and/or corridors, conducting Road Safety Assessments (RSAs) to identify safety issues and countermeasures, and providing a high-level feasibility evaluation.

Phase 1 – Pedestrian and Bicycle Safety Action Plan: Crash data, roadway geometry, and crash reports were collected, cleaned, and reviewed to perform network screening and identify pedestrian and bicycle safety deficiencies. An interactive, dynamic dashboard summarizing the information was created, and access to the dashboard was granted to the project team. A data-driven, three-tier screening process was used to identify safety priority areas and target locations where safety countermeasures and strategies will have the most effect. The PBSAP proposed a list of engineering and non-engineering countermeasures to address potential safety concerns.

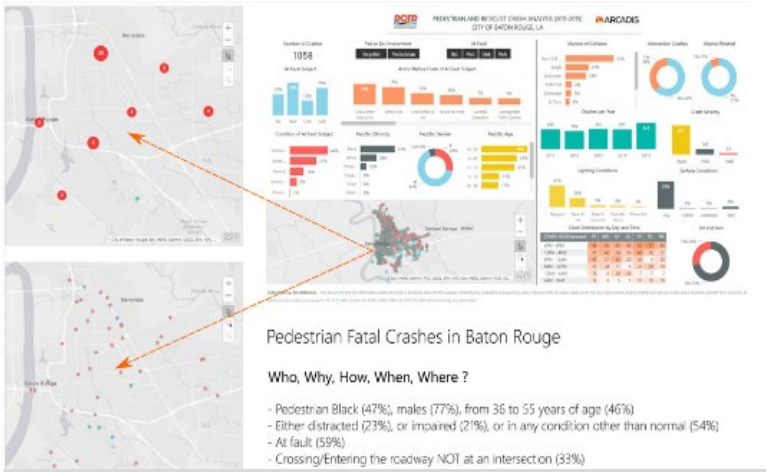


Figure: Dashboard of identified safety priority areas

Phase 2 – **Road Safety Assessments:** Conducted for the 10 priority locations with project stakeholders which included LADOTD HQ and District staff, City of Baton Rouge, CATS, BRPD, LSU, and FHWA. RSAs were conducted in accordance with the latest state and federal policy guidance and focused on identifying safety issues related to pedestrian and bicycle modes and identified feasible countermeasures to mitigate safety issues. Countermeasures were grouped into short-term, mid-term, and long-term alternatives based on the cost and time needed to implement. Arcadis conducted construction cost estimates and predictive safety analyses as part of the overall feasibility assessment for selected countermeasures.

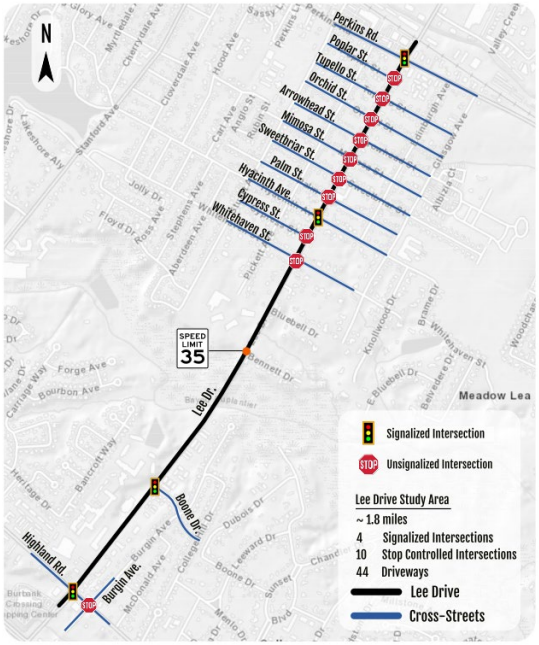
Figure: Photo taken during RSA showing condition of sidewalk and curb ramps

Stakeholder Involvement: The Arcadis team developed a detailed stakeholder matrix, which identified stakeholders based on various levels of involvement: a technical advisory committee, stakeholders, and focused outreach.

Key Personnel: Akhil Chauhan, Ari Deitch, Jose M. Rodriguez, Max Aguirre

17. Firm Experience:

Firm name	ARCADIS		Past Performance Evaluation Discipline(s)*	Bridge, Road, Traffic, Env	
Project name	**Lee Drive (Highland Road-Perkins Road)**		Firm responsibility (prime or sub?)	**Prime**	
Project number	**City-Parish Project No. 20-CP-HC-0044**	Owner's name	**City of Baton Rouge/ Parish of East Baton Rouge**		
Project location	**East Baton Rouge Parish, Louisiana**		Owner's Project Manager	**Justin Schexnayder**	
Owner's address, phone, email	**8555 United Plaza Blvd., Baton Rouge, LA 70809, (225) 761-3628, justin.schexnayder@csrsinc.com**				
Services commenced by this firm (mm/yy)	**02/21**		Total consultant contract cost ($1,000's)	**$2,568**	
Services completed by this firm (mm/yy)	**Ongoing**		Cost of consultant services provided by this firm ($1,000's)	**$1,536**	



Firm's Role: The purpose of this project is to widen Lee Drive from a 2-lane to a 3-lane section between Highland Road and Perkins Road. Arcadis is responsible for design study and design services, which include traffic study and report, topographic survey, hydraulic and drainage analysis, preliminary and final plans preparation, signal design, bridge design, construction cost estimate, and right-of-way maps.

Design Study Report and Preliminary Design: Arcadis provided traffic engineering studies and preliminary roadway and drainage design and evaluated alignment alternatives. The work was prepared in coordination with the City of Baton Rouge and the MOVEBR Program. A preferred alternative was presented to the City of Baton Rouge based on findings from the traffic study, impacts to existing right-of-way, and a detailed construction cost analysis. Arcadis also assisted the City of Baton Rouge in obtaining public input by participating in public meetings and preparing exhibits for public display.

Final Design Plans and Cost Estimate: For the Final Design Phase, Arcadis is tasked with preparing construction roadway plans, right-of-way maps, and construction cost estimates. The Lee Drive project involves the complete reconstruction of Lee Drive from Highland Road to Perkins Road. The proposed typical section extends approximately 1.7 miles and is a three-lane urban section with a left-turn center lane. The project goal was to improve vehicular traffic capacity and connectivity to all corridor users by delivering safe and efficient pedestrian/bicycle facilities while maintaining neighbourhood integrity. Improvements also include sidewalks and bike lanes, traffic signal upgrades, intersection capacity and safety improvements, and access management.

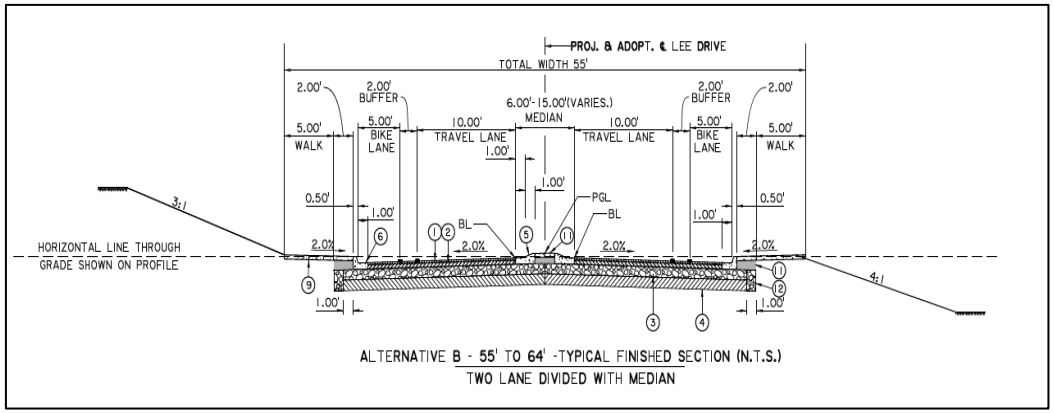


Figure: Proposed Typical Section Alternative on Lee Drive

The design team gave special considerations to traffic and access maintenance, constructability, utility coordination and right-of- way requirements. Ensuring proper drainage during construction and overall drainage improvements was another major factor considered for the project.

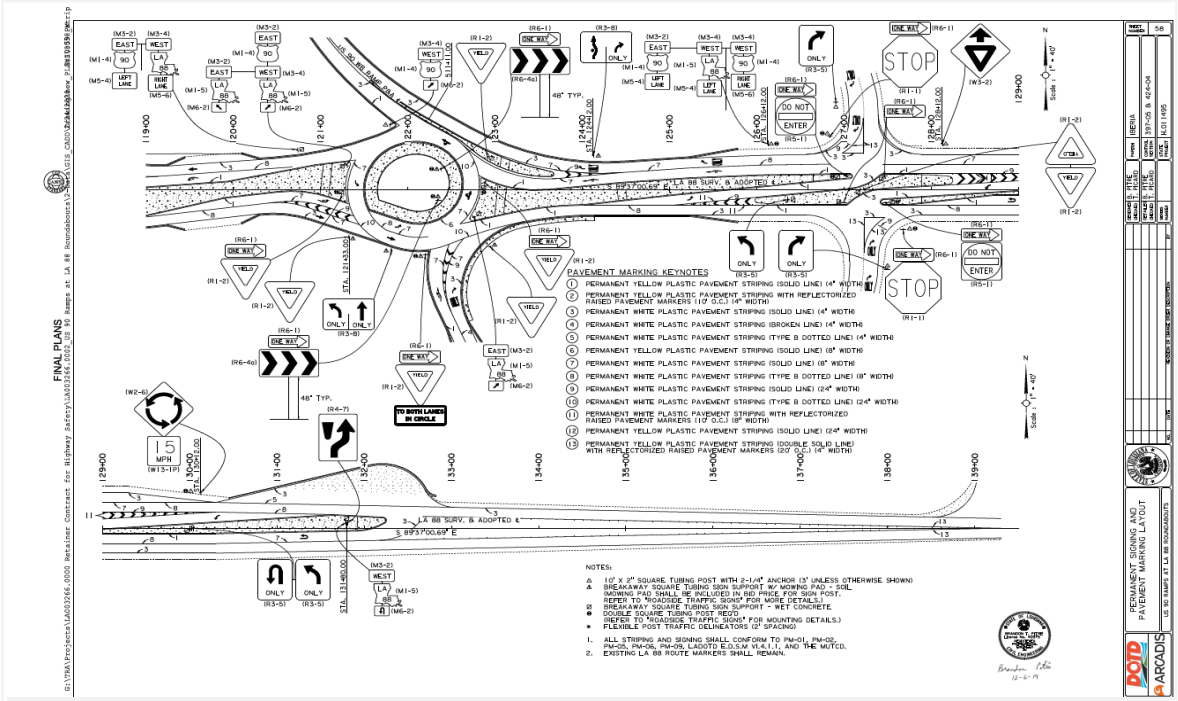
Key Personnel: ***Jose L. Rodriguez, Ari Deitch, and Gabriel Arias.***

17. Firm Experience:

Firm name	ARCADIS		Past Performance Evaluation Discipline(s)*		**Road, Traffic**
Project name	**Safety Design IDIQ - US 90 Ramps at LA 88 Roundabouts**		Firm responsibility (prime or sub?)		**Sub**
Project number	**H.011495**	Owner's name	**Louisiana Department of Transportation and Development (LADOTD)**		
Project location	**New Iberia Parish, LA**		Owner's Project Manager		**Brent Domingue**
Owner's address, phone, email	**428 Hugh Wallis Rd, Lafayette, LA 70508 / T: 337 262 6210 / E: christopher.domingue@la.gov**				
Services commenced by this firm (mm/yy)	**11/16**		Total consultant contract cost ($1,000's)		**$549**
Services completed by this firm (mm/yy)	**05/20**		Cost of consultant services provided by this firm ($1,000's)		**$504**

Arcadis was tasked to prepare preliminary and final roadway plans to install two single lane roundabouts at the US 90 ramp intersection with LA 88 in Iberia Parish. The project also included modifying the LA 88/Service Road intersections to restricted crossing U-turn (RCUT) intersections. The installation of the roundabouts is aimed at promoting mobility and safety along the corridor.

Preliminary and Final Design Plans: Arcadis performed all engineering services for this task order to develop a full set of preliminary and final construction plans, including InRoads modeling of the roundabouts, as a pass-through from Aucoin & Associates under their safety design retainer contract. The design was prepared in accordance with the LADOTD Design Guidelines, Roadway Design Procedures and Details Manual and all applicable DOTD EDSMs, AASHTO and FHWA guidelines. The roundabouts were designed to accommodate a WB-67 design vehicle. Restricted crossing U-turn (RCUT) intersections were designed for the adjacent service roads to enhance safety and adhere to LADOTD's control of access policy. Both the roundabouts and RCUT intersections provide significant reductions in conflict points and expected number of crashes.



Roundabout design and signing plan at interchange ramps to enhance safety and operations

Construction Cost Estimates: Arcadis prepared engineer's construction cost estimates for the project.

Best Practice: The project team held several design review meetings throughout preliminary plan and final plan development to more closely coordinate with LADOTD District 03 and headquarters personnel prior to proceeding into subsequent design phases. The goal of this team coordination was to ensure all project team members agreed with proposed geometry prior to spending significant time proceeding into the subsequent design phases.

Key Personnel: ***David Fulks, Garret Keller, Buddy Porta, Ari Deitch***

18. Approach and Methodology:

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

If the consultant has information it believes is proprietary, label it accordingly.

1. Project Understanding

We understand that this contract is to perform engineering and related services to prepare preliminary and final plans for **pavement preservation, transportation systems managemen**t **(TSM)** and similar type projects at proposed locations within **District 61 or 62** (Baton Rouge or Hammond)**.**. The work will include analyzing the existing pavement and base course structure, including items like drainage, slopes and embankments, and preparing a design to upgrade and preserve the overall system function, pavement condition and rideability. Also to repair or remove and replace existing drainage structures like cross drain or side drain storm piping is beyond its useful life. The work could also include a design that involves bringing items like superelevation in curves or existing Guardrail up to current standards. We also realize that the designs may need to be expedited in order to match timelines that coincide with funding availability.

In addition to assigning experienced and qualified Design Project Manager, Surveyors, Traffic Engineers, Materials and Geotechnical Testing, and other required personnel and equipment, some of the major tasks for Pavement Preservation Design services will include coordination with the DOTD Project Engineer/Coordinator, the DOTD Project Manager, FHWA, the District Lab, as well as keeping the work inside the boundaries of the allocated budget. Work will potentially include the design of traffic control, new traffic signals or signage, inspection of the condition of various assets including pipes, retaining walls, embankments, guardrail, etc. **Constructability and Safety will be an important part** of a **comprehensive design.** In some cases, it may also require the acquisition of ROW parcels that would be acquired only when required to be able to fit a design to an acceptable standard.

ECM Team, the best-in-class, includes 1) Arcadis 2) APS, and 3) SJB. ECM Team members understand the scope, purpose and nature of the project and considerations in the Design that will lead to a successful project. One of the main elements of this work will be the analysis of the existing roadway embankment and pavement structure. This will include pavement coring to determine the existing thicknesses of pavement and base- a task that would be completed by **APS** if not completed by the District Labs. APS will also be available to conduct an assessment on any embankment stabilization required for the Base Course to be included in a Design plan. We understand that this assessment will have a high bearing on the design, and on whether it would be more cost effective to patch or reconstruct the pavement and base structure. We understand the importance of communication, coordination and cooperation (3Cs) between the stake holders to keep them abreast of project status, while also working with District staff to come up with the best overall solution to meet **Pavement Preservation and TSM objectives, within budget restraints**. **SJB** will complete a detailed survey that will include the layout of stations, degree of curvature, utilities, and all other items required in the scope of services. Upon completion of the stationing being laid out on the ground, the Project Manager will walk the project to inspect drainage structures and note their condition throughout the limits of the project. At this **plan in hand meeting**, District staff will be invited to participate. If additional items are noted that need to be addressed in design, including hydraulic analysis, utility obstructions or signage, signal or guardrail concerns--- these will be noted and highlighted to be addressed in the Design.

ECM has provided **Design services for various road and bridge reconstruction and/or rehabilitation projects** in the past and we have several retired DOTD District Administrators who are highly experienced in managing many similar types of Roadways and TSM design. All our ECM Team personnel are fully aware of the policies, Design Guidelines and DOTD's demand for delivering quality projects on time and on budget. Accurate and timely flow of information between the project team, the DOTD Districts including DOTD District Traffic dept. will aid in the completion of the project successfully. The ECM Team utilizes all the current DOTD design software and is prepared to complete the designs as quickly as possible. This experienced team can categorize issues and respond to those issues in Design. Should an issue come up during construction, the experienced ECM staff can react quickly to develop alternatives, which will allow quick responses to the contractor and mitigate schedule delays. The ECM team is extensive experienced with CE&I services to the DOTD, so we are aware of the importance of **considering Construction issues in our Design plan development.**

2. Our Approach for Performance

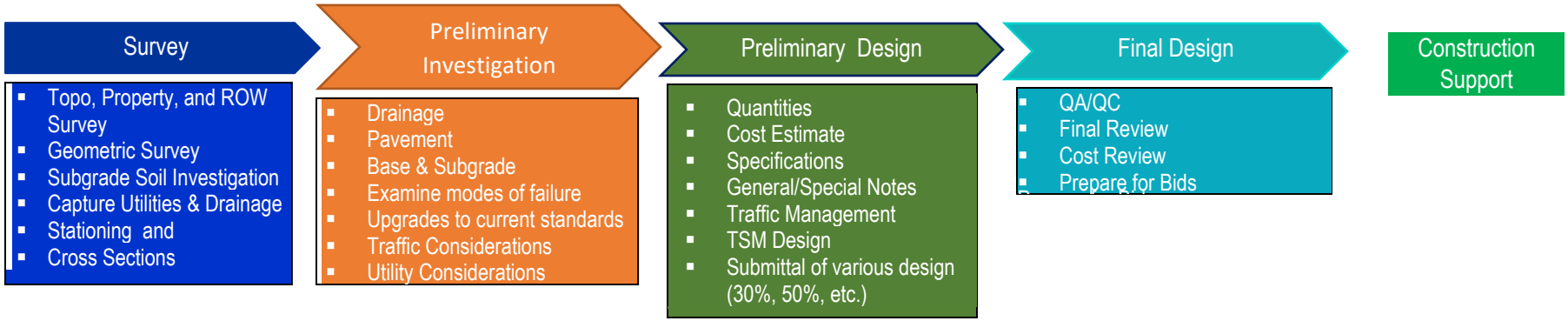
The ECM Team will perform **all the tasks listed in the RFQ** as well as additional tasks when assigned by DOTD for successful completion of all the projects, meeting, and exceeding industry best practices and to the satisfaction of DOTD.

The ECM Team's Design administration **services approach places highly qualified and knowledgeable personnel with additional support from field engineering/technical staff.** The key management tool used to successfully accomplish the work will be a plan comprised of elements such as the Design Management and Quantity and Costs, Plan, Estimates, Effective Communication and Coordination between all parties, Reporting Processes, QA/QC during plan development and Constructability. The fundamental objective of **our Design services is to serve as an extension of DOTD and effectively manage the quality, cost, and traffic during design and preliminary assessment** to assure that all the projects are delivered on time and within budget meeting the expectations of DOTD.

2.1 Design Services

The ECM team offers staff which has extensive broad experience in roadway and bridge design as well as pavement preservation projects, as is illustrated in our project description and the resumes of our staff. **SJB** will perform topographic elevation survey including stationing, curve parameters, drainage, utilities, etc., property survey and ROW maps as required. Following this step an in-person inspection will be conducted. Upon this initial discovery and thorough assessment being complete, it will provide the information needed to direct the path to roadway and the Pavement Preservation design work that will be completed.

As outlined in the Attachment A- Scope of Services of the RFQ, a traditional design project, in general, will include the major items as graphically presented below:



Below is a brief overview of how some of the major tasks will be performed

2.1.1 Topographic, Property surveys, ROW Maps and Title Take-Off

ECM's Project Manager will schedule a survey planning meeting with **SJB** staff to include all items listed in the scope of services. The work will be performed in accordance with **DOTD's Location and Survey Manual (REVISED OCTOBER 2023**) and will include standards and methods approved by the DOTD **Location and Survey Administrator**. Any deviation would need to be authorized by the DOTD Project Manager. Items such as drainage structures, curbed areas and railroads will be identified, along with any other features.

2.1.2. Pavement Coring and Subgrade Soil Survey

ECM's Project Manager will Schedule pavement Coring and a subgrade soil survey with **APS** to determine the existing pavement thicknesses and soil/base thicknesses and subgrade soil characteristics. Identification of composite pavements will be identified, along with vertical overlay thickness and clearance constraints that may limit the elevation of the final riding surface. PH and Resistivity will be taken at all potential cross drain locations in accordance with EDSM II.2.1.6.

2.1.3 Capturing Utilities and Drainage

SJB's survey team will capture drainage structures such as pipes, headwalls, catch basins, utilities and other features as needed to get a complete picture of what exists inside the R/W throughout the project limits. Pipe sizes and lengths will be captured, along with location of any bridges throughout the project limits.

2.1.4 Stationing and Cross Sections

SJB staff will station projects throughout the designated limits. The project centerline will be stationed every 100 feet with stationing painted on travel lanes outside of the wheel paths. Cross section as specified in scope of services with more frequent cross sections taken near bridge ends as specified. Driveway and transition points should be located.

2.1.5 Preliminary Plans

This will consist of all engineering services required for the completion of preliminary plans and cost estimates for the project. All required services stated in the RFQ as well as additional work that may be required and work requested by DOTD will be performed. The following are some of the major work items for preparation of preliminary plans:

2.1,5.1 Assembly and study of existing data, including improvement studies, boring information, if any, traffic data available through DOTD, and such other data as can be located by ECM staff.

2.1.5.2 Preliminary Investigation-Drainage and Pavement Survey

The **ECM's** Project Manager and technical staff will walk and record the condition of all assets throughout the limits of the project, noting whatever action that needs to be taken at stations throughout the project. This will include patching, drainage, traffic/signage, guardrail, embankment or any other necessary work. The current modes of pavement or drainage failure will be identified so that a design solution can be initiated.

2.1.5.3. Roadway section and Design Criteria.

At the Pre- Design Planning Conference for each project under this contract, DOTD will provide the roadway typical section for the project. Also, during this conference for each project, the design criteria will be established by DOTD's personnel and ECM.

2.1.5.4. Preliminary Plan Preparation

Preliminary Plans will be prepared in accordance with the requirements of the latest Louisiana Standard Specifications for Highways and Bridges and in the current editions of DOTD's Roadway Design Procedures and Details Manual, current editions of DOTD's Roadway Plan Preparation Manual, Bridge Design Manual, and General Guide for Bridge Plan Preparation, Hydraulics Manual, EDSM I.1.1.11, Guidance for PRR Projects, 3R Minimum Design Guidelines and DOTD Pavement PRR Minimum Design Guidelines, DOTD Minimum Design Guidelines, if applicable, latest AASHTO LRFD Bridge Design Specifications and in accordance with the Project Manager and the Program Manager.

2.1.5.5 Quantities

The **ECM** Project team will determine quantities and configure tables with stations to be included in the Plans. These will be checked in the field to verify location and to make sure that all needed items are covered

2.1.5.6. Cost Estimate and Contract Time

Cost Estimate of construction contract costs based on estimated quantities developed for the Preliminary Plans and Contract Time Spreadsheet will be determined in accordance with DOTD Standards and policies and referred to the DOTD Project Manager.

2.1.5.7. Sequence of Construction

The sequence of construction plans will be prepared if required and if directed by DOTD.

2.1.6 Traffic Considerations

The **ECM** Team's Project Engineer will review any necessary Traffic issues that need to be addressed. Any Traffic Design issues will need to be referred to Arcadis for design. TSM projects will involve the initiation of **Arcadis** expertise from the beginning of the project.

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2.1.7 Final Plans

ECM will provide all services required for the preparation of final plans, specifications, and estimates, all meeting the standard requirements of DOTD as to general format and content including but not limited to the major items listed in this RFQ, pages 16 and 17. The design and preparation of completed detailed final plans will include designs and/or details for all grading, pavement, drainage, intersections, traffic control and structures. bar bending details and schedules, show construction limits and final ROW taking lines. the earthwork cross sections, also ROW taking lines and existing utilities such as water system, sanitary and storm drainage system

2.1.8 QC/QA review

ECM staff along with applicable Subject Mater experts on the ECM team will review plan quality including constructability.

2.1.9 Final Review and preparation for Bid:

ECM's team will perform a final review including any special General Notes or specification that need to be included to address the project needs. Also this final stage will include a review of the cost estimate and required specifications prior to submitting for bidding.

2.1.12 Construction Support:

ECM's team will be available to provide construction support during construction, as needed.

The ECM Team **gives high importance** to the following items as major factors for success of all projects:

Constructability It is prudent to take a proactive approach to configure plans in a way that will limit or eliminate disputes and/or claims. This will include developing a constructable set of plans with accurate quantities to promote a fair and competitive bid process**.**

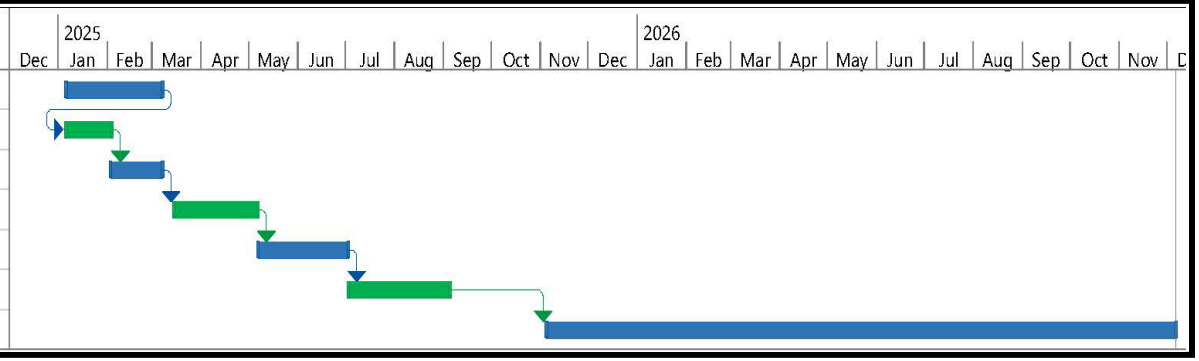
Staffing Plan: Based on our past experience, we estimate the staffing requirements for this bridge and road construction project will be: One Project Manager; one Project Engineer; two Design Engineers, two CAD technicians, survey crew, traffic staff and Materials testing staff. **Our organization chart provides an overview of our staffing plan**.

Quality Control/Quality Assurance Plan: We will prepare and submit a detailed QA/QC Plan for Design services conforming to DOTD requirements, after contract award. The plan will include a systematic and consistent review of all contracted services and help ensure standardization and quality of construction inspection services. The QA/QC Plan will be flexible, to respond to changes in required services and ensure a smooth flow of information and document control, while maintaining the highest possible level of accuracy, value, quality, and competency. Our QA process will include periodic audits to verify all quality control procedures are in place and adhered to. Our Project Manager will be responsible for implementing the process and monitoring performance.

3. Project Schedule

Below is a Basic Schedule for a Roadway Reconstruction/Rehab project schedule for a duration of **24 months.** Start date: J**anuary 6, 2025,** and End date: **December 6, 2026.**

Task Name	Start	Finish
Topo, Property & ROW Survey	Mon 1/6/25	Fri 3/7/25
Subgrade Soil Survey	Mon 1/6/25	Mon 2/3/25
Preliminary Investigations	Mon 2/3/25	Fri 3/7/25
Preliminary Design	Sat 3/15/25	Tue 5/6/25
Final Design	Wed 5/7/25	Wed 7/2/25
Bidding	Thu 7/3/25	Thu 9/4/25
Construction Support	Wed 11/5/25	Sun 12/6/26



Why ECM Team? 1. We have extensive experience in providing design of roadway reconstruction/ rehabilitation and construction phase services to DOTD and various municipalities such as DPW-Baton Rouge, DPW-New Orleans, DPW-Jefferson Parish, DPW-Lafayette . 2. We have qualified and experienced staff in all required disciplines to meet any challenges. 3. Excellent past performance record with DOTD. 4. Ample capacity to provide required numbers of engineers and technical support staff and state of the art equipment and software. 4. Capability to provide quality service with experience in similar projects. 5. "Can do team" poised to accept challenges that may be encountered during construction; and 6. Most importantly, Integrity, Reliability, Dedication and Enthusiasm to deliver high-quality professional services to the DOTD. We thank you for the opportunity to submit our qualifications and hope to receive your favorable consideration.

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**
ECM	Other (CQCM)	Contract # BC-PSA 05, S.P. # H.0044791	Belle Chasse Bridge & Tunnel Replacement Public-Private Partnership Project	$723,870
ECM	CE&I/OV	Contract # 4400019872 H.012682.6	IDIQ CE&I for Safety Projects Statewide with Majority of Work in District 03, 07, and 08	$7,587
ECM	CE&I/OV	Contract # 4400019872 H.013770 .6	IDIQ CE&I Inspection Services Statewide with Majority of Work in District 03	$12,777
ECM	CE&I/OV	Contract # 4400019872 H.009298.6	IDIQ CE&I Inspection Services Statewide with Majority of Work in District 03	$147,324
ECM	CE&I/OV	Contract # 4400019872 H.013083.6	IDIQ CE&I Inspection Services Statewide with Majority of Work in District 03 *(Jefferson Island Sidewalk – Iberia Parish)*	$99,282
ECM	CE&I/OV	Contract # 4400019951 H.011781.6	IDIQ CE&I Inspection Services Statewide with Majority of Work in District 03 *(LA675 & LA 87 IMP, in New iberia (RT))*	$1,230,954
ECM	Other (dam safety)	Contract # 4400020842 Task Order 4	IDIQ Contract for Engineering & Inspection of State Regulated Dams with Majority of work in District 03,07,6 & 62 Statewide *(Dam Safety South Louisiana)*	$186,849
ECM	CE&I/OV	Contract # 4400021680 H.008145.6	DOTD LA1 Leeville to Golden Meadow	$3,243,632

ECM	CE&I/OV	Contract # 4400026101 H.011767	DOTD Contract for Engineering & Inspection District 61 *(Bayou Crab Road Bridge)*	$20,000
ECM	CE&I/OV	Contract # 4400023838 H.013751.6	IDIQ CE&I Services for Safety Projects (*Downtown Greenway La Connector BR East Baton Rouge Parish)*	$9,725
ECM	CE&I/OV	Contract # 4400023838 H013094.6	IDIQ CE7I Services for Safety Projects *(Broad St – Read Blvd Ped Improvements – Orleans Parish)*	$665,058
ECM	CE&I/OV	Contract# 4400025845 H.013025.6	CE&I Engineering & Inspection Univ AV PH1:100' S RR-500' S I-10 EB RMP	$1,439,445
ECM	CE&I/OV	Contract # 4400027364 H.003184.6	IDIQ CE&I Services District 07	$1,263,088
ECM	Road		**ECM currently has no Roadway design Project with LADOTD**	N/A
APS Engineering and Testing, LLC	Geotech	4400091011 H.001711	Saline Bayou Relief & Creek Mill	$110,632
APS Engineering and Testing, LLC	Geotech	4400017262 H.012545.5	Union Pacific Railroad	$62,233
APS Engineering and Testing, LLC	CE&I/OV	4400024653 H.01254.6	Wiggins Bayou Bridge	$70,617
SJB Group, L.L.C.	Survey	4400017597	IDIQ Surveying Services	N/A
SJB Group, L.L.C.	Survey	H.013982 & H.013984	Rural Bridge Replacement Initiative	$38,340
SJB Group, L.L.C.	CPM	Contract No. 4400017485	IDIQ CPM Analysis	N/A
SJB Group, L.L.C.	CPM	Task Order: H.002375	LA 16 Amite River Bridge	$7,090
SJB Group, L.L.C.	CPM	H.003184.6	I10 Texas S/L - Coone Guillory	$93,645
SJB Group, L.L.C.	CPM	H.001234.6	LA 1: Port Allen Canal BR Rep	$31,385
SJB Group, L.L.C.	CPM	44-14659	IDIQ Contract - SUE Services	N/A
SJB Group, L.L.C.	Other (SUE)	Task Order: H.001820.6	LA 485 Bridges Near Allen CI	$73,492
SJB Group, L.L.C.	Other (SUE)	Task Order: H.001820	LA485: Bridges Near Allen Water	$15,505
SJB Group, L.L.C.	CPM	H.002980.6	I-10 Overpass Over US 165	$28,256
SJB Group, L.L.C.	CPM	H.001820.6	LA 485: Bridges Near Allen	$15,125
SJB Group, L.L.C.	CPM	H.001344.6	US 190: LA 437 - US 190 Bus	$19,779
SJB Group, L.L.C.	CPM	H.002424	LA70 Sunshine Bridge – LA 22	$28,109
SJB Group, L.L.C.	CPM	H.003047.6	Pecue I-10 Inter Phase III	$31,807
SJB Group, L.L.C.	CPM	H.011137	I-12 (LA1077)	$54,587
SJB Group, L.L.C.	CPM	H.010652	LA 73 (US 61 Airline	$56,922

Prime consultant name: ***ECM Consultants, Inc.***

SJB Group, L.L.C.	CPM	H.012174.6	I-10 Jeff Davis	35,731
SJB Group, L.L.C.	CPM	H.013203.6	US90: LA 318 – LA 83	36,514
SJB Group, L.L.C.	Survey	H.005121.5 | Task Order 5	LA 1 – LA 415	167,663
SJB Group, L.L.C.	Other (SUE)	H.013797	EBR PL – I-10 – Part I	600
SJB Group, L.L.C.	Right-of-Way	H.004100.5 | Directive 1	I-10 LA 415 Acadian	20,078
SJB Group, L.L.C.	Right-of-Way	H.004100.5| Directive 2	I-10 LA 415 Dir 2	1,536
Arcadis U.S., Inc.	Environmental	4400009703 / H.000688.2	US 11 Norfolk Southern Railroad / St. Tammany Parish	$3,008
Arcadis U.S., Inc.	Environmental	4400007175 / H.011328.2	I-49 South (Ricohoc to Berwick) / St. Mary Parish	$1,230,835
Arcadis U.S., Inc.	Environmental	H.009932	US 80 Widening: Vancil Road to Well Road EA / Ouachita Parish	$5,343
Arcadis U.S., Inc.	Environmental	4400019338 (Multiple State	Rural Bridge Replacement Initiative Phase II / Statewide	$70,579
Arcadis U.S., Inc.	Traffic	4400018646 / H.004100.5	I-10: LA 415 to Essen Lane on I-10 and I-12 / East and West	$904,512
Arcadis U.S., Inc.	Traffic	4400024307 / H.015052	I-20: Widening/Ovrly (Vancil Rd-LA 34) / Ouachita Parish	$154,043
Arcadis U.S., Inc.	Traffic	4400019379 / H.013797	LA 30: EBR PL – I-10 / East Baton Rouge, Iberville and	$232,048
Arcadis U.S., Inc.	Road	4400025022 (Multiple State	IJJA Off System Bridge Program / Statewide	$396,788
Arcadis U.S., Inc.	Road	4400024084 / H.009300.5	CMAR Contract for Hooper Road Widening (LA 3034 – LA 37)	$12,608
Arcadis U.S., Inc.	Road	4400027361 / H.011220.6,	US 90 Engineering Support / Jefferson and Orleans Parishes	$264,301
Arcadis U.S., Inc.	Road	4400019010 / H.010116.5	LA 1088: Soult and Trinity Roundabouts	$33,307
Arcadis U.S., Inc.	Road	4400016923 / H.012901.6,	US 90Z (Budinger Blvd. – Stumpf Blvd.) / Jefferson and Orleans	$198,037
Arcadis U.S., Inc.	Road	4400018646 / H.004100.5 and	I-10: LA 415 to Essen Lane on I-10 and I-12 / East and West	$3,661,897
Arcadis U.S., Inc.	ITS	4400016811 / H.013868.5	ITS Program Management and Operations / Statewide	$131
Arcadis U.S., Inc.	ITS	4400016811 / H.013868.6 (B)	ITS Responsive/Emergency Maintenance Engineering and	$26,667
Arcadis U.S., Inc.	ITS	4400016811 / H.013868.6 (A)	ITS Routine Maintenance Engineering and Inspection (ME&I) /	$17,136
Arcadis U.S., Inc.	ITS	4400016811 / H.013868.5	ITS MGMT, OPERATIONS, & MAINT / Statewide	$870,770
Arcadis U.S., Inc.	ITS	4400016811 / H.013868.6 (B)	ITS MGMT, OPERATIONS, & MAINT / Statewide	$197,274
Arcadis U.S., Inc.	ITS	4400016811 / H.013868.6 (A)	ITS MGMT, OPERATIONS, & MAINT / Statewide	$681,936
Arcadis U.S., Inc.	ITS	4400025921/ H.015938.1	Transportation Systems Management and Operations (TSMO)	$361,164
Arcadis U.S., Inc.	ITS	4400023812 / H.015377.5	Task Order No. 1 (Weigh Station Assessment)	$454,079
Arcadis U.S., Inc.	Data Collection	4400021325 / H.012837.5	I-10 New Orleans Master Plan / Orleans Parish	$193,840
Arcadis U.S., Inc.	Bridge	4400021325 / H.015193.1	LA 22: Tchefuncte Bridge Feasibility / St. Tammany Parish	$15,434
Arcadis U.S., Inc.	CE&I/OV	4400025046 / H.013710.6	I-10: US 61 to LaPlace ITS Deployment (CE&I) / Ascension, St.	$5,170
Arcadis U.S., Inc.	CE&I/OV	4400025665 / H.013482.6	I-10 WBR Queue Warning System / Iberville and West Baton	$293,204

(Add rows as needed) DO NOT SUM

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

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

20. Certifications

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

Name:	Public Address:
ECM Consultants, Inc.	Mr. Ujjal DasGupta 1301 Clearview

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0002003	Active	10/24/1995	03/31/2026	Mr. Kazem Hadjialikhani # PE.0025073 ; Mr. Ujjal DasGupta # PE.0019849

Certifications:
Ujjal DasGupta, P.E.

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Attendance

Local Public Agency Qualification Core Training

PRESENTED BY

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

TO CERTIFY THAT

Ujjal DasGupta

HAS SATISFACTORILY COMPLETED 5 HOURS OF TRAINING

October 23, 2012
Date

Director of Local Public Agency Program

Baton Rouge, Louisiana
Location

ECM

Certifications:
Kazem Alikhani, P.E.

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Kazem Alikhani
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

3/12/2021 to 3/12/2025
Date

Director of Training

Baton Rouge, LA
Location

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

ATSSA

AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION

This is to affirm that
Kazem Alikhani
has satisfied the requirements to be designated as a
CERTIFIED FLAGGER

Expiration Date 6/24/2025 State Issued LA

Instructor Signature

Verification available by calling 1-877-642-4637 or at http://www.flagger.com

---

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

DEPARTMENT OF TRANSPORTATION UNITED STATES OF AMERICA

LTAP LOCAL TECHNICAL ASSISTANCE PROGRAM

Certificate of Attendance

Local Public Agency Qualification Program
LPA Qualification Core Training Module

PRESENTED BY

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

TO CERTIFY THAT

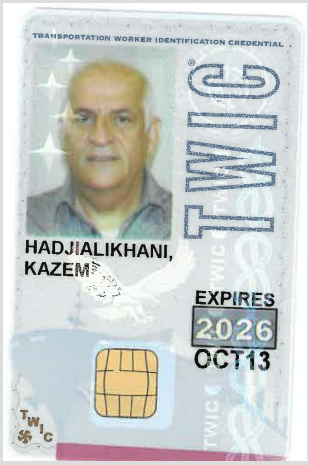
Kazem Alikhani

HAS SATISFACTORILY COMPLETED 4 HOURS OF TRAINING

Director of Local Public Agency Program

June 7th, 2017
Date

Baton Rouge, Louisiana
Location



U.S. ARMY CORPS OF ENGINEERS
USACE LEARNING CENTER
HUNTSVILLE, ALABAMA

NAVFAC

CERTIFICATE

Alikhani Kazem

MVS-07-22-00409

has completed the Corps of Engineers and Naval Facility Engineering Command Training Course

CONSTRUCTION QUALITY MANAGEMENT FOR CONTRACTORS - #784

ST. LOUIS, MO	09 November 2022	MVS - ST. LOUIS DISTRICT	Jacob Prebianca
Location	Training Date(s)	Instructional District/ NAVFAC	CQM-C Manager
Jacob Prebianca	jacob.a.prebianca@usace.army.mil	(314) 331-8315	Jacob Prebianca Digitally signed by Jacob Prebianca Date: 2022.11.16 14:26:42 -06'00'
Facilitator/Instructor	Email	Telephone	Facilitator/Instructor Signature

THIS CERTIFICATE EXPIRES FIVE YEARS FROM DATE OF ISSUE

Director, USACE Learning Center

ECM

Certifications:
Sunina Shrestha, P.E.

AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION

This is to affirm that
Sunina Shrestha

has satisfied the requirements to be designated as a
CERTIFIED FLAGGER

Expiration Date 3/31/2025 State Issued in LA

Instructor Signature

Verification available by calling 1-877-642-4637 or at http://www.flagger.com

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Attendance

Local Public Agency Qualification Core Training

PRESENTED BY

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

TO CERTIFY THAT

Sunina Shrestha

HAS SATISFACTORILY COMPLETED 5 HOURS OF TRAINING

October 4, 2012
Date

Director of Local Public Agency Program

New Orleans, Louisiana
Location

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Sunina Shrestha
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

3/12/2021 to 3/12/2021
Date

Director of Training

Baton Rouge, LA
Location

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NHI NATIONAL HIGHWAY INSTITUTE

Sunina Shrestha

has participated in

FHWA-NHI-135095 Two-Dimensional Hydraulic Modeling of Rivers at Highway Encroachments

hosted by

Aquaveo, LLC

Date: August 3 - August 6, 2020
Location: Online

Hours of Instruction: 21

Instructor

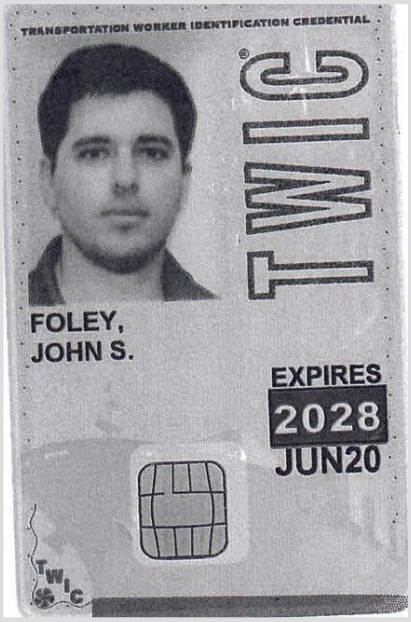
Instructor

Local Coordinator

Michael Davies, P.E.
Director, National Highway Institute

ECM

Certifications:
John Foley P.E.



ATSSA
Safer Roads Save Lives

John Foley

has attended
National Flagger Certification Training Course

Completed: 01-JUN-2024

CEU (If Applicable): 0

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

American Traffic Safety Services Association
ATSSA.com

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

John Foley
has attended
Louisiana Traffic Control Supervisor Refresher
Training Course

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

CEU: 0.75

New Orleans, LA
Location

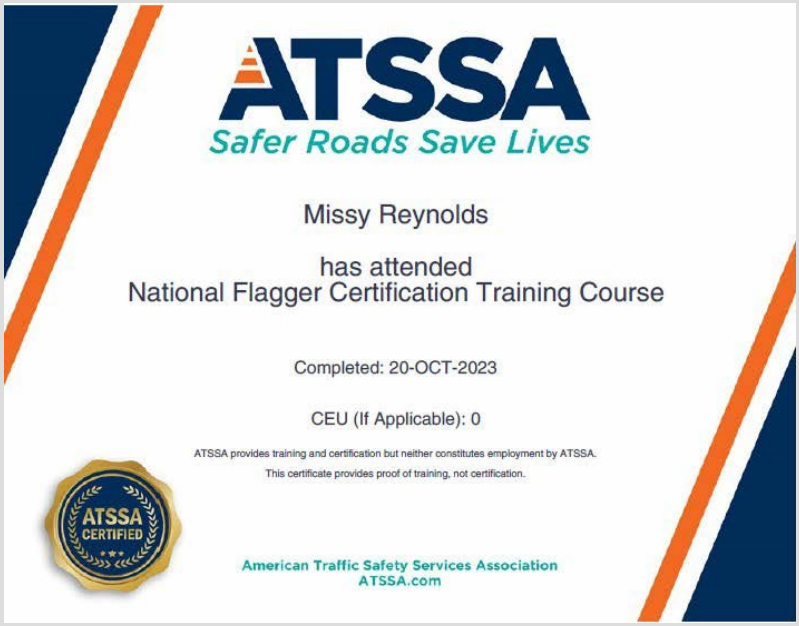
Vice President of Education and Technical Training

President, CEO

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

American Traffic Safety Services Association ATSSA.com

Certifications:
Marilyn “Missy” Reynolds, E.I.



Certifications:
Kumar Ambati, P.E.

ATSSA American Traffic Safety Services Association

This is to affirm that

Kumar Ambati

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 8/9/2023

Exp. Date 8/8/2027

State Issued LA

ATSSA
Instructor Name

Instructor Signature

A1000129587

Verify at Flagger.com

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Bharatkumar Ambati
has attended
Louisiana Traffic Control Supervisor Refresher
Training Course

10/20/2023 to 10/20/2027
Training Valid Through

New Orleans, LA
Location

Vice President of Education and Technical Services

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

Certifications:

ATSSA
American Traffic Safety Services Association
SAFER ROADS SAVE LIVES

This is to affirm that

Christopher Capretto

has satisfied the requirements to be designated as a
CERTIFIED FLAGGER

Issue Date 7/19/2022 — Instructor Name: ATSSA
Exp. Date 7/18/2026 — Instructor Signature
State Issued LA
A1000093682 — Verify at Flagger.com

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

NHI
NATIONAL HIGHWAY INSTITUTE

Certificate of Training

Chris Capretto

has participated in

NHI Course No. 130091
Underwater Bridge Inspection (4 Days)

hosted by

LA DOTD/LTRC

Date: October 7-10, 2014
Location: Baton Rouge, LA
Hours of Instruction: 21

Instructor
Instructor
Local Coordinator
Valerie Briggs, Director
National Highway Institute

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Attendance

Local Public Agency Qualification Program
LPA Qualification Core Training Module

PRESENTED BY

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

TO CERTIFY THAT

Christopher Capretto

HAS SATISFACTORILY COMPLETED 6 HOURS OF TRAINING

Director of Local Public Agency Program

November 19, 2015
Date

New Orleans, Louisiana
Location

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Attendance

Local Public Agency Qualification Program
Construction, Engineering, and Inspection Module

PRESENTED BY

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

TO CERTIFY THAT

Christopher Capretto

HAS SATISFACTORILY COMPLETED 7 HOURS OF TRAINING

Director of Local Public Agency Program

June 15th, 2017
Date

Baton Rouge, Louisiana
Location

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Christopher Capretto
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

8/5/2022 to 8/5/2026
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

TRANSPORTATION WORKER IDENTIFICATION CREDENTIAL

CAPRETTO,
CHRISTOPHER M.

EXPIRES
2026
MAY19

TWIC

ECM

Certifications:
Blake Guidry P.E.

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Blake Guidry
has attended
Louisiana Traffic Control Supervisor Refresher
Training Course

9/8/2023 to 9/8/2027
Training Valid Through

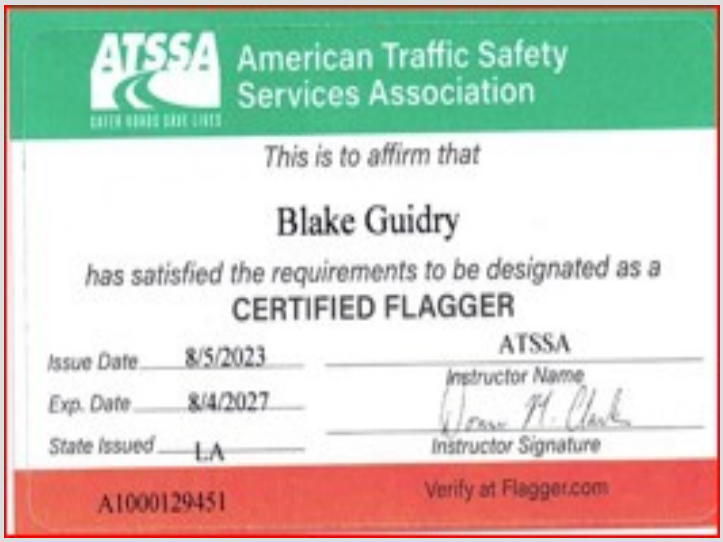
Vice President of Education and Technical Services

Baton Rouge, LA
Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA

ATSSA American Traffic Safety Services Association ATSSA.com



ATSSA American Traffic Safety Services Association

This is to affirm that

Blake Guidry

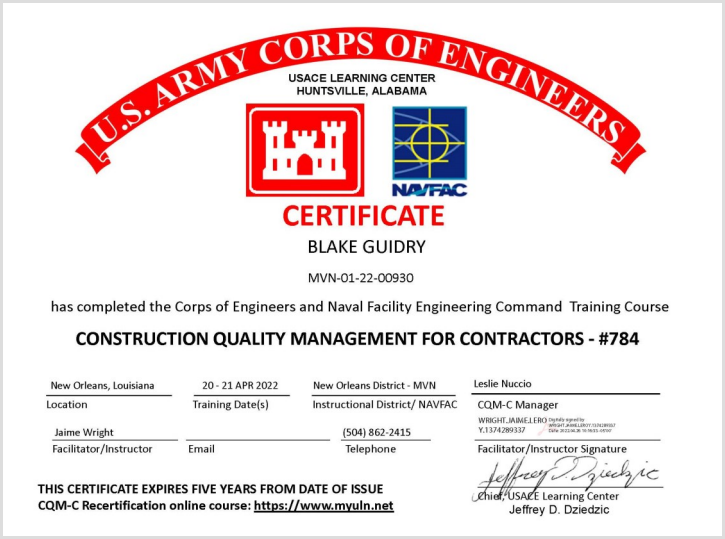
has satisfied the requirements to be designated as a
CERTIFIED FLAGGER

Issue Date 8/5/2023
Exp. Date 8/4/2027
State Issued LA

ATSSA
Instructor Name
Instructor Signature

A1000129451

Verify at Flagger.com



U.S. ARMY CORPS OF ENGINEERS
USACE LEARNING CENTER
HUNTSVILLE, ALABAMA

NAVFAC

CERTIFICATE

BLAKE GUIDRY

MVN-01-22-00930

has completed the Corps of Engineers and Naval Facility Engineering Command Training Course

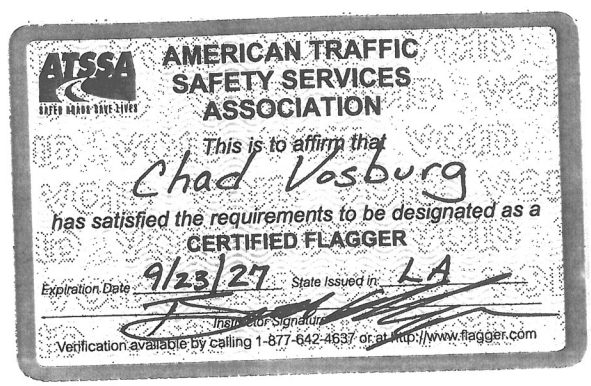
CONSTRUCTION QUALITY MANAGEMENT FOR CONTRACTORS - #784

New Orleans, Louisiana	20 - 21 APR 2022	New Orleans District - MVN	Leslie Nuccio
Location	Training Date(s)	Instructional District/ NAVFAC	CQM-C Manager
Jaime Wright		(504) 862-2415	WRIGHT.JAIME.LERO Digitally signed by WRIGHT.JAIME.LERO.1374289337 Date: 2022.04.26 10:56:55 -05'00'
Facilitator/Instructor	Email	Telephone	Facilitator/Instructor Signature

THIS CERTIFICATE EXPIRES FIVE YEARS FROM DATE OF ISSUE
CQM-C Recertification online course: https://www.myuln.net

Chief, USACE Learning Center
Jeffrey D. Dziedzic

Certifications:
Chad Vosburg, P.E.



AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION

This is to affirm that

Chad Vosburg

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Expiration Date 9/23/27 State Issued in: LA

Instructor Signature

Verification available by calling 1-877-642-4637 or at http://www.flagger.com

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NATIONAL HIGHWAY INSTITUTE
Training Solutions for Transportation Excellence

Chad Vosburg

has participated in

NHI Course No. FHWA-NHI-130101A

Prerequisite Assessment for Safety Inspection of In-Service Bridges - WEB-BASED

hosted by

National Highway Institute

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

Date: *1/29/2019*

Valerie Briggs

Valerie Briggs, Director
National Highway Institute

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Chad Vosburg
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

11/8/2022 to 11/8/2026
Training Valid Through

New Orleans, LA
Location

Director of Training

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

U.S. ARMY CORPS OF ENGINEERS

USACE LEARNING CENTER
HUNTSVILLE, ALABAMA

NAVFAC

CERTIFICATE

Chad Vosburg

MVS-07-22-00455

has completed the Corps of Engineers and Naval Facility Engineering Command Training Course

CONSTRUCTION QUALITY MANAGEMENT FOR CONTRACTORS - #784

ST. LOUIS, MO	09 November 2022	MVS - ST. LOUIS DISTRICT	Jacob Prebianca
Location	Training Date(s)	Instructional District/ NAVFAC	CQM-C Manager
Jacob Prebianca	jacob.a.prebianca@usace.army.mil	(314) 331-8315	Jacob Prebianca Digitally signed by Jacob Prebianca Date: 2022.11.17 06:37:42 -06'00'
Facilitator/Instructor	Email	Telephone	Facilitator/Instructor Signature

THIS CERTIFICATE EXPIRES FIVE YEARS FROM DATE OF ISSUE

Director, USACE Learning Center

ECM

Certs: SJB Group, LLC

Matthew Estopinal

Charles “Tim” Brewer

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Sergio Aviles

has attended

Traffic Control Technician Virtual Training

Training Course

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

CEU: 0.75

Director of Training

,
Location

President, CEO

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

This certificate provides proof of training, not certification.

American Traffic Safety Services Association ATSSA.com

Certificate of Training

this certifies that

Sergio Aviles

has successfully completed the training program requirements for

National Flagger Certification Training Course

Awarded on this **7th** *day of* **December 2022**

U.S. Department Of Transportation
Federal Highway Administration

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

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

U.S. Department Of Transportation
Federal Highway Administration

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

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

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

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Akhil Chauhan

has participated in

NHI Course No. FHWA-NHI-380106

Highway Safety Manual Online Overview

hosted by

National Highway Institute

Location: *Web-Based Course* ***Hours of Instruction:*** *12 hours*

Date: *7/18/2012*

Richard J. Barnaby, Director
National Highway Institute

Certificate of Training

PRESENTED BY

Louisiana Local Technical
Assistance Program

TO CERTIFY THAT

Akhil Chauhan

HAS SATISFACTORILY COMPLETED 7 PROFESSIONAL DEVELOPMENT HOURS IN:

Louisiana's Complete Streets Peer Exchange

Mark B. Walsh
Director of Louisiana LTAP Center

January 19-20, 2016
Date

Baton Rouge, Louisiana
Location

Certificate of Attendance

USING STATISTICS IN HIGHWAY SAFETY

PRESENTED BY

LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

TO CERTIFY THAT

Akhil Chauhan

HAS SATISFACTORILY COMPLETED 6 HOURS OF TRAINING

Dr. Helmut Schneider
Director
Highway Safety Research Group

CERTIFICATE OF PARTICIPATION

IS GIVEN TO

Akhil Chauhan

for having participated in Louisiana's Local Road Safety Peer Exchange

on September 10-11, 2015 in Baton Rouge, Louisiana

DORTHA F. CUMMINS
Director, Louisiana Center for Transportation Safety

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

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

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

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

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

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

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

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

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

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

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

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

ATSSA
Safer Roads Save Lives

Ari Deitch

has attended
Louisiana Traffic Control Supervisor

Completed: 22-FEB-2024

CEU (If Applicable): 1.5

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

This certificate provides proof of training, not certification.

ATSSA CERTIFIED

American Traffic Safety Services Association
ATSSA.com

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 L Snyder
Deborah Snyder
Chair

RSP1 ROAD SAFETY PROFESSIONAL

Jeffrey F. Paniati
Jeffrey F. Paniati
Executive Director

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Max Aguirre
has attended
Traffic Control Supervisor-LA State Specific
Training Course

9/8/2021 to 9/9/2025
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

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

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

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

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

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

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
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**.

Not applicable.

22. Sub-consultant information:

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

Firm Name (Name must match exactly as registered with Louisiana's Secretary of State (SOS): including punctuation, include screenshot(s) from SOS at the end of Section 20)	Address	Point of Contact and email address	Phone Number
SJB Group, L.L.C.	5344 Brittany Drive Baton Rouge, Louisiana 70808	Charles "Tim" Brewer Tim.brewer@sjbgroup.com	225-769-3400
APS Engineering and Testing, LLC	5261 Highland Road, PMB 320 Baton Rouge, Louisiana 70808	Sergio Aviles sergio@aps-testing.com	225- 456-5714
ARCADIS U.S., INC.	6100 Corporate Blvd., Suite 325 Baton Rouge, LA 70808	Akhil Chauhan, PE, PTOE, PTP, PMP Akhil.chauhan@arcadis.com	225-368-6563

(Add rows as needed)

23. **Location:**

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

ECM Consultants, Inc.
8048 One Calais Avenue, Suite F, Baton Rouge, LA 70809