STATEMENT OF QUALIFICATIONS

Presented to:

Louisiana Department of Transportation and Development (DOTD)

Contract Nos. 4400023689 and 4400023690
IDIQ Contracts for Safety Studies – Statewide Engineering and Related Services

February 22, 2022

FENSTERMAKER

C. H. Fenstermaker & Associates, L.L.C.

FENSTERMAKER

Client Focused. Technology Driven.

February 22, 2022

Louisiana Department of Transportation and Development
1201 Capitol Access Road
Baton Rouge, LA 70802

VIA EMAIL
DOTDConsultantAds80@la.gov

Re: Contract Nos. 4400023689 and 4400023690
IDIQ Contracts for Safety Studies - Statewide

Dear Sir or Madam:

C. H. Fenstermaker & Associates, L.L.C. is pleased to submit our Statement of Qualifications to provide safety study services to the Louisiana Department of Transportation and Development for the recently advertised IDIQ Contracts for Safety Studies – Statewide. Our staff possesses the desired capabilities needed to assist LADOTD with all aspects of the scope of services presented in the Task Orders in connection with the proposed contracts.

The Fenstermaker Team will provide LaDOTD with the following benefits to ensure successful project completion:

- ✓ ***Trusted Leadership***
- ✓ ***Successful Completion of Past LaDOTD Projects***
- ✓ ***Office Locations across the State of Louisiana including Lafayette, New Orleans, Baton Rouge, Lake Charles, Jennings, Shreveport, and Mandeville***
- ✓ ***Experience with:***
  - ***DOTD Project Delivery Manual***
  - ***Stage 0: Manual of Standard Practices***
  - ***DOTD design standards and geometric layouts***
  - ***AASHTO – Highway Safety Manual***
  - ***National Environmental Policy Act (NEPA)***

Thank you for the opportunity to present our credentials and we look forward to hearing from you. Should you have any questions regarding contractual obligations, please contact Angelle Guilbeau, who is authorized to contractually obligate the firm. If you have any questions regarding our submittal or qualifications, please do not hesitate to contact Kimberly McDaniel, Principal, or Bliss Bernard, Project Manager, at (225) 344-6701.

C. H. FENSTERMAKER & ASSOCIATES, L.L.C.

Kimberly McDaniel, M.S., P.E., PTOE
Principal | Operation Leader, Engineer
kimberlym@fenstermaker.com
(225) 344-6701

Angelle Guilbeau
Director of Risk Management and Compliance
angelleg@fenstermaker.com
(337) 237-2200

Attachment

DOTD FORM: 24-102

(Revised June 1, 2021)

PROPOSAL TO PROVIDE CONSULTANT SERVICES

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

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

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

1. Contract title as shown in the advertisement	IDIQ Contracts for Safety Studies - Statewide	
2. Contract number(s) as shown in the advertisement	4400023689 and 4400023690	
3. State Project Number(s), if shown in the advertisement	N/A	
4. Prime consultant name (as registered with the Louisiana Secretary of State where such registration is required by law)	C. H. Fenstermaker & Associates, L.L.C.	FENSTERMAKER C. H. Fenstermaker & Associates, L.L.C.
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	VF.0000154 – Surveying EF.0000311 – Engineering	
6. Prime consultant mailing address	135 Regency Square, Lafayette, LA 70508	
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	135 Regency Square, Lafayette, LA 70508	
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Kimberly McDaniel, P.E., PTOE, Operation Leader | Principal (225) 344-6701 kimberlym@fenstermaker.com	
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Angelle Guilbeau, Director of Risk Management & Compliance (337) 237-2200	

	angelleg@fenstermaker.com
10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.	Signature (shall be the same person as #9):  Angelle Guilbeau, Director of Risk Management & Compliance Date: February 22, 2022
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): Firm(s)' %: N/A

12. **Past Performance Evaluation Discipline Table:**

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

The past performance evaluation disciplines to be used are: Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other. The crosswalk from the old categories to the new categories can be found at the link below:
http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/CCS/General%20Information/CPPR%20Crosswalk%20to%20New%20Evaluation%20Disciplines.pdf. (same link as in the advertisement)

Sub-consultants are allowed to be used for this proposal. Fill in the table by identifying only those evaluation disciplines consistent with the approach and methodology proposed in Section 18 of the DOTD Form 24-102*, the name of each firm that is part of the proposal, and the percentage of work in each past performance evaluation discipline to be performed by that firm. The percentage estimated for each evaluation discipline is for evaluation purposes only and will not control the actual performance or payment of the work. 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. (Add rows and columns as needed)

Evaluation Discipline(s)	% of Overall Contract	C. H. Fenstermaker & Associates, L.L.C. (Prime)	Firm B	Firm C	Firm D	Firm E	Each Discipline must total to 100%
Traffic	40%	100%					100%
Planning	25%	100%					100%
Environmental	15%	100%					100%
Road	20%	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%	100%					---------

*The past performance evaluation disciplines are: Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other. If sub-consultants are used, the prime consultant must perform greater than 50% of the work for the overall contract.

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 (xxxx)" 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

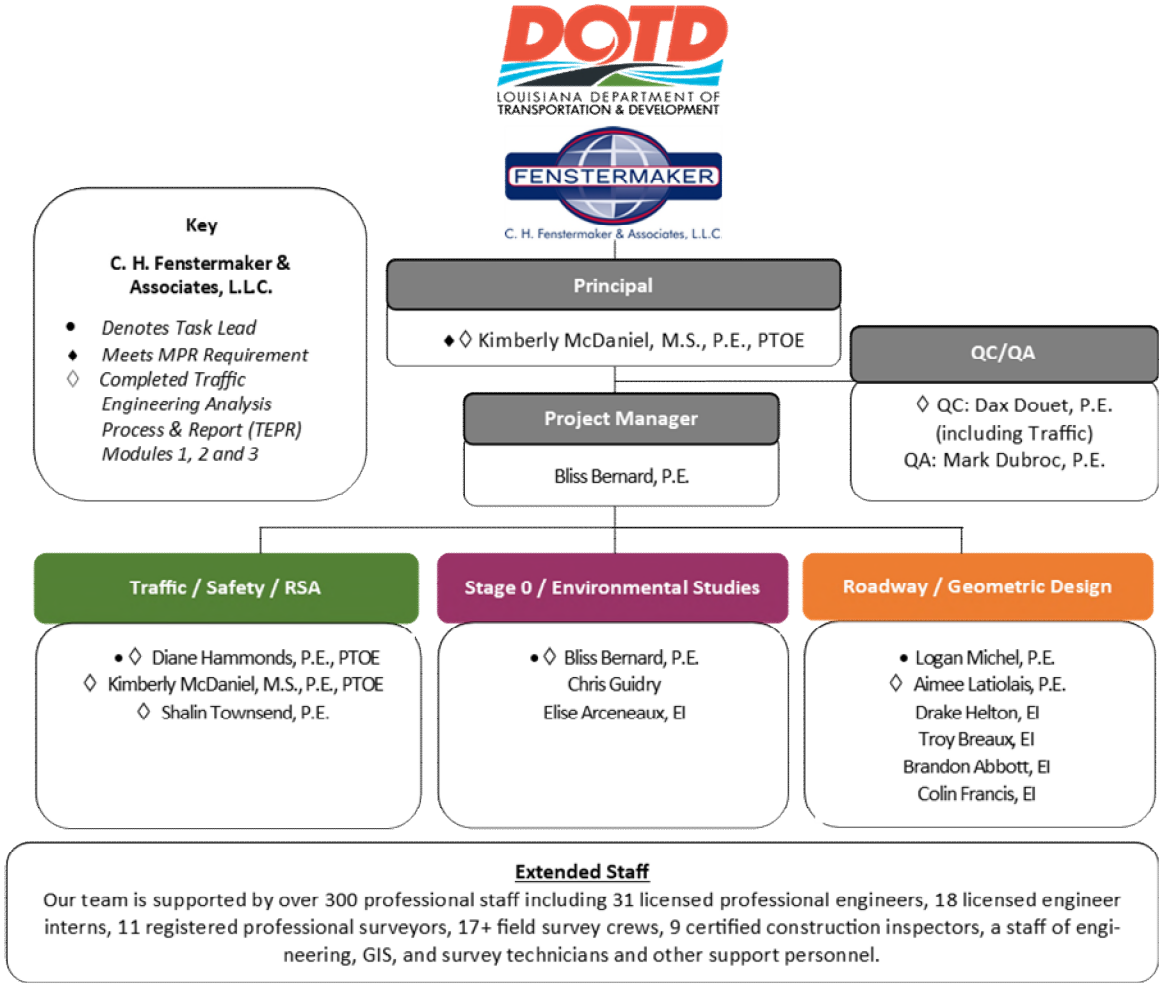
Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
C. H. Fenstermaker & Associates, L.L.C.	Engineer	6	31
	Environmental Pro	1	6
	Engineer Intern	6	21
	Supervisor-Eng	1	9

(Add rows as needed)

14. **Organizational Chart**:

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

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



15. **Minimum Personnel Requirements:**

Use the table below to identify both prime consultant and sub-consultant staff designated to work on this contract meeting the Minimum Personnel Requirements (MPRs) specified in the advertisement. Ensure the résumé reflects the required experience stated in the MPR.

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 / certification & number	State of license	License / certification expiration date
1-4	Kimberly McDaniel, P.E., PTOE	C. H. Fenstermaker & Associates, L.L.C.	PE Civil #32973 PTOE No. 2072	LA	09/23/2023 08/31/2022

(Add rows as needed)

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	**C. H. Fenstermaker & Associates, L.L.C.**			
Name	**Kimberly D. McDaniel, M.S., P.E., PTOE**		Years of relevant experience with this employer	2.5
Title	Operation Leader, Engineer		Years of relevant experience with other employer(s)	15
Degree(s) / Years / Specialization			B.S. / 2003 / Civil Engineering M.S. / 2005 / Civil Engineering	
Active registration number / state / expiration date			PE.0032973 / LA / 9.30.2023; PTOE No. 2072/ 8.31.2022	
Year registered	2007	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			Principal and support for Traffic/Safety/RSA	
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 time specified in the applicable MPR(s).			

Meets MPR Requirement Nos. 1-4

Kimberly McDaniel, M.S., P.E., PTOE currently manages the firm's engineering operations in Baton Rouge, Jennings and Mandeville. She will serve as **Principal and support for Traffic/Safety/RSA** on this project. She has over 18 years of experience in **transportation design, traffic engineering, and project management**. She spent 6 years in state service at LADOTD in Traffic Engineering Management where she developed policies and programs related to Complete Streets, Access Management, and Traffic Impacts and served as the **subject-matter expert on access management and traffic impacts**. The remainder of her career has been spent as a consultant performing a wide variety of traffic engineering and transportation design projects throughout the states of Louisiana, Texas, and Michigan. She is very knowledgeable in the areas of roadway design, sub-surface and open drainage systems, geometric design, innovative intersection design and operation, geometric design, feasibility study requirements, access connection safety and design, corridor studies, interchange modification and justification studies, traffic impact studies, crash analyses, safety studies, low-cost safety improvements, and traffic impact analyses. She has proven successes as a team leader and possesses unique abilities to bring people together to accomplish common goals. She routinely sees projects to completion which are **on-time**, finish within set budgetary constraints, and exceed the project goals. In addition to her work experience, Ms. McDaniel has obtained the following certifications:

Ms. McDaniel developed and managed the **LADOTD Access Management Program**. The policy was adopted as a Louisiana Administrative Code Title 70, Part I, Chapter 15. She wrote the *Access Connections Policy*, expanding the criteria of the code. She developed training courses for LADOTD employees, consultants, contractors, real estate professionals, and elected officials and conducted these trainings throughout the State of Louisiana.

- ATSSA Traffic Control Supervisor/Technician/Flagger
- LADOTD Traffic Engineering Process and Reports, Modules I, II, and III
- NHI Course No. 142005, "NEPA & the Transportation Decision Making Process"

• NHI Course No. 380109, Alternative Intersection and Interchanges • LADOTD Highway Safety Manual Workshop • Northwestern University Center for Public Safety, Traffic & Transportation Engineering Seminar; Traffic Impact Analysis Workshop; and Crash Reconstruction for Traffic Engineers • Northeast Roundabouts, Roundabout Design Workshop • Local Technical Assistance Program, Regional Crash Data Workshop	
01/19-ongoing	**S.P. No. H.009932: US 80 Widening Vancil Rd to Well Rd (Ouachita Parish):** Ms. McDaniel serves as traffic and safety project engineer for the **Environmental Assessment study** for capacity/safety improvement of a 1.4-mile portion of US 80. She developed traffic models for a variety of alternatives, identified safety improvements, and determined geometric configurations to increase traffic capacity. Alternatives included roundabouts.
09/20-ongoing	**LA 93 Traffic Impact Study (Lafayette Parish):** The City of Scott contracted Fenstermaker to prepare traffic impact studies for three proposed developments, two Intersection Control Evaluations (ICE) and a safety evaluation. Ms. McDaniel is serving as project Principal.
01/19-12/19	**S.P. No. H.001271 Cane River Bridge Church Street EA (Natchitoches Parish):** Ms. McDaniel served as the Lead Traffic Engineer for this Environmental Assessment for the replacement of the Cane River Bridge. She was responsible for the analysis of multiple future traffic scenario alternatives as well as three different complex detour scenarios for the replacement of the Cane River Bridge. She assisted with the development of the final EA document which received approval on the first known LADOTD and FHWA "net benefit determination" for Section 4(f) properties in Louisiana. She assisted in the development a Finding of No Significant Impact (FONSI) document, which was approved by FHWA and LADOTD. Ms. McDaniel also assisted in coordinating public and agency outreach activities. The Cane River Project received a LADOTD Environmental rating score of 4.8/5.0.
1/19-ongoing	**S.P. No. H.002297 LA 37 (Sullivan Road to Liberty Road), (East Baton Rouge Parish):** Ms. McDaniel is currently serving as Project Principal and is responsible for directing all engineering, environmental, and planning services required to determine necessary improvements along the LA 37 corridor from Sullivan Road to Liberty Road. Upon completion of all analyses, a final Stage 0 Feasibility Report including the Stage 0 Checklist, Environmental Checklist, roadway engineering plans, and the opinion of probable cost will be developed.
06/19-04/20	**Stage 0 Feasibility Studies of Modern Roundabouts, Lafayette, LA:** Ms. McDaniel is serving as the PM to study 30 conceptual roundabout locations throughout Lafayette for the Acadiana MPO. This includes updating conceptual roundabout designs to meet the current EDSM VI.1.1.5, performing operational and traffic analysis, and completing Stage 0 reports of the results.
09/21-ongoing	**Canfor Sawmill (De Ridder, LA):** Ms. McDaniel serves as the project principal for the traffic impact study for a proposed industrial development in DeRidder, Louisiana. The study is required to meet all requirements of the LADOTD Traffic Engineering Process and Report. Analysis included signalized intersection and a railroad crossing utilizing the HCS Software package.

16. Staff Experience:

Firm employed by	**C. H. Fenstermaker & Associates, L.L.C.**			
Name	**Dax Douet, P.E.**		Years of relevant experience with this employer	24
Title	Director, Engineer		Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization			B.S. / 1997 / Civil Engineering	
Active registration number / state / expiration date			PE.0030170 / LA / 9.30.2022	
Year registered	2002	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			Quality Control	

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 time specified in the applicable MPR(s).
	Dax Douet, P.E. is an Engineering Director with over 25 years of professional experience in design, planning, and project management. He has designed highways, roadways, drainage systems, interchanges, roundabouts, standard intersections, and various site developments. Additionally, Mr. Douet managed the preparation of over thirteen Stage 0 feasibility studies for LADOTD. These feasibility studies were conducted for a wide range of transportation projects throughout the State of Louisiana to include roadway improvements, interstate highway interchanges, and grade-separated bridge structures. Mr. Douet has also led the preparation of geometric line and grade studies to support more than five Environmental Assessment documents in accordance with the National Environmental Policy Act (NEPA) guidelines. He has managed various multi-disciplinary projects and performed roadway corridor studies, traffic safety analyses, and feasibility studies, which encompass design, right-of-way, environmental, and utility work. • NHI Course No. 142005, "NEPA & the Transportation Decision Making Process" • ATSSA Traffic Control Supervisor/Technician • LADOTD Highway Safety Manual Workshop • LADOTD Traffic Engineering Process and Reports (TEPR) Module 1, 2, 3
05/17-10/21	**S.P. No. H.009932 US 80 Widening: Vancil Rd to Well Rd EA (Ouachita Parish, LA):** Mr. Douet served as the Deputy Project Manager for this Environmental Assessment to improve the corridor by widening the existing roadway and implementing intersection improvement principles along a 1.4-mile portion of US 80. He assisted in analyzing project impacts by coordinating and assisting in developing various engineering and technical studies, including line and grade study, GIS mapping, Phase 1 environmental assessment, and air and noise impact studies. He assisted in the coordination of all public and agency outreach activities, including solicitation of views, public participation plans, public hearings, public meetings, and all public and agency comments.
04/17-04/20	**Cane River Bridge Church Street Route LA 1-X (Natchitoches Parish):** LADOTD in conjunction with the FHWA prepared a **NEPA environmental assessment** for the proposed replacement of Cane River Bridge on Church Street Route LA 1-X. Mr. Douet served as the project manager and lead engineer for preparation of the

	environmental document. He was responsible for all public outreach, agency coordination, preparation of the project line and grade study, coordination of the project's traffic study, development of project alternatives, development of cost estimates, coordination of the noise and air analysis, coordination of historical and archeological investigations, and coordination of various other environmental analysis
03/16-ongoing	**Apollo Road Extension (LA 93) Extension to Dulles Drive (Lafayette Parish)** Fenstermaker provided engineering services to the City of Scott to extend Apollo Road to Dulles Drive. This $14M construction project included two miles of a four-lane boulevard and eight-foot sidewalks to accommodate bicyclist and pedestrians. Mr. Douet served as the transportation engineer and developed roadway plans and project review.
10/14 - 01/15	**Stage 0 Feasibility Study of Modern Roundabouts (Lafayette Parish, LA):** Fenstermaker is responsible for the Stage 0 Feasibility Studies being performed on 30 conceptual roundabout locations throughout Lafayette Parish for the Acadiana Metropolitan Planning Organization. Mr. Douet served as Project Manager for the first portions of the project and was responsible for data collection, feasibility studies, environmental inventory, and conceptual design of numerous roundabouts.
09/15-06/17	**LADOTD Permit No. 153351, 153352, 153353: Lake Charles LNG Traffic Impact Analysis and Road Improvements (LA384 & LA385) (Calcasieu Parish, LA):** Mr. Douet served as the Engineer of Record for the design of three roadway projects as part of mitigation to the new proposed Liquefied Natural Gas plant in Lake Charles, Louisiana. Mr. Douet was the Lead Roadway Design Engineer for the widening of Big Lake Rd (LA 384) at W. Lincoln Rd, Gulf Hwy (LA 385) at W. Lincoln Rd, and Big Lake Rd (LA 384) at Tank Farm Rd. Each of these three roadway corridors are 2-lane roadways. Mr. Douet also served as a technical advisor to the design team performing the drainage design.
01/10 - 12/14	**I-12 to Bush Environmental Impact Study (EIS) (St. Tammany Parish, LA):** Mr. Douet was Lead Design Engineer for this LADOTD project. He was responsible for all line and grade tasks associated with this EIS, which were prepared in accordance with NEPA. The goal of the line and grade study was to review previously determined alternatives, identify the least damaging and most practical alternatives for further analysis, and provide revised alternatives that meet LADOTD design guidelines. Mr. Douet managed the study, which resulted in a Record of Decision by USACE recommending a preferred alternative. Additional tasks involved construction cost estimating that encompasses the construction cost, right-of-way acquisitions, utility relocations, and mitigation requirements.
01/13 - 07/14	**S.P. No. H.000758.2 US 84 from LA 772 to East of Hair Creek Bridge EA (LaSalle Parish, LA):** Mr. Douet served as the Project Manager for this Environmental Assessment Document for the proposed widening of US 84 from Highway 772 to just east of Hair Creek Bridge, in accordance with NEPA. Mr. Douet was responsible for overseeing the preparation of the environmental assessment and associated documentation. He directed all public and agency outreach activities for the EA.

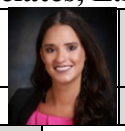
16. Staff Experience:

Firm employed by	**C. H. Fenstermaker & Associates, L.L.C.**			
Name	**Mark Dubroc, P.E.**		Years of relevant experience with this employer	2
Title	Engineer III		Years of relevant experience with other employer(s)	39
Degree(s) / Years / Specialization			B.S. / 1980 / Civil Engineering	
Active registration number / state / expiration date			PE.0022618 / LA/ 03-31-2023	
Year registered	1987	Discipline	Civil Engineer	
Contract role(s) / brief description of responsibilities			Quality Assurance	

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 time specified in the applicable MPR(s).
	Mr. Dubroc is a Senior Engineer with over 41 years of professional civil engineering experience. Most recently, **Mr. Dubroc served as Public Works Director of Lafayette Consolidated Government,** where he managed 335 Public Works employees, with an operating budget of $58M, an annual Capital Improvement Program of $50M, and a 5-Year Capital Plan budget of $250M, which included 375 projects. He managed the Capital Improvements Division which included the Design & Development Section, ROW Section, Project Control Section and the Estimates and Administration Section. His extensive and deeply embedded participation in every aspect of design and construction administration of such a variety of similar projects uniquely qualify him to provide the general oversight and quality assurance necessary for the project at hand.
05/20-01/21	**Apollo Rd at LA93 (Dulles Dr) Roundabout (Scott, LA):** Fenstermaker was selected to provide engineering services to the City of Scott to extend Apollo Road to Dulles drive. This fourteen-million-dollar construction project included two miles of a four-lane boulevard and eight-foot sidewalks to accommodate both bicyclist and pedestrians. The new roadway intersected LA 90 and LA 93, which were designed for a bow-tie intersection and roundabout, respectively. Mr. Dubroc performed the quality assurance review for the project plans.
04/98-07/09	**Camellia Boulevard Extension – Phase III (Lafayette, LA)** Mr. Dubroc served as the Principal and Project Manager for this $16.8 million project for the new construction of 1.1 miles of urban four lane median divided arterial roadway with subsurface drainage systems, including acres of multiple stormwater detention ponds. Mr. Dubroc led the design team for all aspects of Topographic and Right of Way Surveys, Right of Way Maps, Preliminary and Final Plans and Specifications, and Construction Administration for this Lafayette Consolidated Government project, and was responsible for all quality assurance requirements.
11/97-07/05	**Bluebird Drive Extension – Phase II (Lafayette, LA)** Mr. Dubroc served as the Principal and Project Manager for this $1.2 million project for the construction of 0.6 miles of urban four lane median divided collector roadway with subsurface drainage systems. Mr. Dubroc led the design team for Topographic and Right of Way Surveys and Maps, Preliminary and Final Plans and Specifications, and Construction Administration for this Lafayette

	Consolidated Government project. Quality assurance was an integral part of the design and administration of the work.
08/03-06/17	**S.P. No. H.005508 Verot School Rd. Urban Section (LA 339) Widening and H.005698 Drainage Outfalls (Lafayette, LA)** Mr. Dubroc served as the Principal and Project Manager for this $44.2 million project for the widening of 3.3 miles of rural 2-lane open ditch highway to urban 4-lane median-divided and 5-lane arterial roadway with extensive subsurface drainage systems, including major drainage improvements to 3 extensive subsurface drainage systems. Mr. Dubroc provided design engineering for drainage, geometric designs, structural design of culverts, Topographic and ROW Surveys and maps, and preliminary and final plans for this LADOTD project.
03/91-06/04	**Eraste Landry Road Widening (Multiple Phases) (Lafayette, LA)** Mr. Dubroc served as Project Engineer and Lead Design Engineer for this multiphase $10.6M project for the widening of 1.8 miles of two-lane rural roadway to urban five lane arterial roadway with extensive subsurface drainage systems. Mr. Dubroc managed all design tasks for one phase of the project, and provided design engineering for drainage systems, geometric designs, structural design of box culverts and small bridge structures, and various other aspects of Topographic and Right of Way Surveys, Right of Way Maps, Preliminary and Final Plans and Specifications, and Construction Administration for this Lafayette Consolidated Government project.
03/82-04/85	**East University Avenue Extension (Lafayette, LA)** Mr. Dubroc served as Design Engineer for this $4.6 million project for the extension of 0.8 miles of urban four lane median-divided arterial roadway with extensive subsurface drainage systems. The project included a railroad underpass with drainage pump station, a fixed-span bridge over the Vermilion River,, retaining walls for transverse grade differentials, a major intersection with a federal highway located in the local FAA airspace (FAA), and a section traversing a closed landfill (EPA, LA-DEQ). Mr. Dubroc provided design engineering for drainage systems, geometric designs, structural design of concrete retaining walls, bridge spans and girders, and various other aspects of Topographic and Right of Way Surveys and Maps, Preliminary Plans, Final Plans and Specifications, and Construction Administration for this City of Lafayette project
05/82-12/86	**Kaliste Saloom Road Extension (Hwy 90 to Pinhook Rd.) (Lafayette, LA)** Mr. Dubroc served as Design Engineer for this $9.8 million project for the extension of 1.1 miles of urban five lane arterial roadway with extensive subsurface drainage systems. Mr. Dubroc provided design engineering for drainage systems, geometric designs, structural design of box culverts, and small bridge structures, and various other aspects of Topographic and Right of Way Surveys, Right of Way Maps, Preliminary Plans, Final Plans and Specifications, and Construction Administration for this City of Lafayette project.

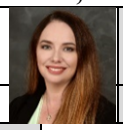
16. Staff Experience:

Firm employed by	**C. H. Fenstermaker & Associates, L.L.C.**			
Name	**Bliss Kelley Bernard, P.E.**		Years of relevant experience with this employer	8
Title	Manager, Engineer		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			B.S. / 2014 / Civil Engineering • FHWA-NHI Course No. 142005- NEPA and the Transportation Decision-making Process • Highway Safety Manual Course-AASHTO & LADOTD Approved Training • Traffic Engineering Process & Report Training Modules 1-3	
Active registration number / state / expiration date			PE.0042709 / LA / 3.31.2023	
Year registered	2018	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			Project Manager and Stage 0 / Environmental Studies Lead	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	Bliss Bernard, P.E. is a Professional Engineer with over 8 years of experience in project management, engineering and environmental engineering, and planning. Ms. Bernard has served on numerous projects including several multi-disciplinary environmental and engineering studies and projects, including her largest role in supporting Environmental Assessment (EA) documentation process, in accordance with the National Environmental Policy Act (NEPA) guidelines. Ms. Bernard has extensive experience in developing environmental studies, which require the proposed improvements to undergo an analysis of impacts to a variety of subjects including: natural and physical environmental impacts, including hydrologic and hydraulic components, floodplain modeling, subsurface and surface water, wetlands and other waters, threatened and endangered species, air and noise impacts, and coastal resources; the human environment impacts, including land use and economic activities, demographics and environmental justice, traffic and safety analyses and impacts, Sections 4(f) and 6(f) and real estate impacts; and cultural resource impacts including archaeological and architectural resources. Ms. Bernard is proficient in ArcGIS, HEC-RAS, HEC-HMS, LADOTD's HYDRWIN, and Microstation and has attended the ATSSA Traffic Control Technician, Traffic Control Supervisor, and Certified Flagger training courses.
05/17 – 04/20	**S.P. No. H.001271 Cane River Bridge Church Street EA (Natchitoches Parish, LA):** Through the compilation of all studies required by NEPA and public and agency involvement, Ms. Bernard served as the Project Manager to develop the Final EA for the replacement of the Cane River Bridge. Ms. Bernard developed and received approval on the first known LADOTD and FHWA "net benefit determination" for Section 4(f) properties in the State of Louisiana. Ms. Bernard developed a Finding of No Significant Impact (FONSI) document, which was approved by FHWA and LADOTD. FHWA indicated that Fenstermaker's document will be used as a template for future FONSI's developed in partnership with LADOTD.
05/17 – 01/22	**S.P. No. H.009932 US 80 Widening: Vancil Rd to Well Rd EA (Ouachita Parish, LA):** Ms. Bernard served as the Project Manager for this Environmental Assessment to improve the corridor by widening the existing roadway and implementing intersection improvement principles along a 1.4-mile portion of US 80. She analyzed project impacts by coordinating and assisting in developing various engineering and technical studies, including line and grade study, GIS mapping, phase 1 environmental site assessment, and

	air and noise impact studies. She prepared numerous reports, presentations, postcard mailers, and other documents for stakeholder and community outreach and worked directly with LADOTD on public outreach via the web. Through the compilation of all studies required by NEPA and public and agency involvement, Ms. Bernard is developing the EA report.
06/19 - Present	**Stage 0 Feasibility Study of Modern Roundabouts, Lafayette, LA:** Fenstermaker is responsible for the Stage 0 Feasibility Studies being performed on 30 conceptual roundabout locations throughout Lafayette Parish for the Acadiana Metropolitan Planning Organization. Ms. Bernard served as an engineer, and was responsible for data collection, feasibility studies, environmental inventory, and conceptual design of numerous roundabouts. She developed feasibility reports and environmental inventory reports in accordance with LADOTD. She managed the traffic sub-consultant, ensuring quality control of all submittals.
06/18 – 12/21	**S.P. No. H.002297 LA 37 (Sullivan Road to Liberty Road), East Baton Rouge Parish, LA:** Ms. Bernard served as the Project Manager and was responsible for managing and providing all engineering, environmental, and planning services to determine necessary improvements along LA 37 corridor from Sullivan Road to Liberty Road. Fenstermaker was the prime consultant. In Phase 1, Ms. Bernard was responsible for performing project research, establishing design criteria in accordance with LADOTD, and overseeing concept development and evaluation for roadway alternatives, based upon a traffic study. In Phase 2, Ms. Bernard was Engineer of Record in preparing the Stage 0 Feasibility Study and Environmental Inventory to examine the feasibility of improving mobility and operations of the corridor. She evaluated alternatives and presented findings to LADOTD to select 3 preferred alternatives for 3 segments along LA 37.
07/14-07/20	**SP No. H.972169.1 (4400005388): Louisiana DOTD SHSP- Implementation: Statewide:** Fenstermaker was a sub-consultant to Cambridge Systematics in engaging regional and local partners and promoting implementation of initiatives in support of Louisiana's SHSP. The SHSP is data driven and includes proven strategies for reducing traffic fatalities and injuries on Louisiana roadways. Ms. Bernard served as the Project Manager and provided technical assistance to the SHSP, facilitated breakout sessions, and prepared meeting documents at regional coalition meetings, statewide emphasis area team meetings, and implementation team meetings. She assisted Cambridge Systematics in providing onsite and remote technical assistance for other road user programs/projects, including bicyclist, pedestrians, transit, drivers, and other users and programs. Ms. Bernard assisted with developing detailed action plans for each emphasis area in the SHSP, assisting emphasis area teams and regional safety coalitions in developing new strategies, coordinating the statewide action plans with the regional safety coalition action plans, providing emphasis area team and regional safety coalitions with administrative and managerial support as needed, maintaining the overall SHSP public and partner involvement process, refining the SHSP project selection process, and various other tasks in establishing an SHSP for the State of Louisiana.
01/10-12/14	**I-12 to Bush Environmental Impact Study (EIS) (St. Tammany Parish, LA):** Fenstermaker was the prime consultant for this Environmental Assessment project, which identified, evaluated, and analyzed proposed alternatives for impacts to social, human, natural, and environmental factors. Fenstermaker was responsible for leading the planning, public outreach, engineering, and environmental services necessary to gauge public support and document information necessary for LADOTD and FHWA to reach an environmental decision for the proposed widening of US 84. Ms. Bernard was responsible for various tasks such as public outreach, environmental documentation, technical studies, and developing the draft and final EIS as required by the NEPA on this EIS. Fenstermaker was a sub-consultant to Tetra Tech, Inc. to complete a 3rd party EIS for a proposed 4-lane highway.
06/14-08/15	**S.P. No. H.000758.2 US 84 from LA 772 to East of Hair Creek Bridge EA (LaSalle Parish, LA):** Ms. Bernard was responsible for public outreach, environmental documentation, technical studies, and developing the draft and final Environmental Assessment as required by the NEPA for the widening of US 84.

16. Staff Experience:

Firm employed by	**C. H. Fenstermaker & Associates, L.L.C.**			
Name	**Diane Hammonds, P.E., PTOE**		Years of relevant experience with this employer	3
Title	Senior Engineer		Years of relevant experience with other employer(s)	17
Degree(s) / Years / Specialization			B.S. / 2002 / Civil Engineering	
Active registration number / state / expiration date			PE.0040749 / LA / 9.30.2022; PTOE No. 7113/ 12.19.2022	
Year registered	2016	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			Traffic / Safety / RSA Lead	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	Diane Hammonds, P.E., PTOE is a Professional Engineer and Professional Traffic Operations Engineer (PTOE) with 20 years of experience specializing in Traffic/Transportation Engineering and Transportation Planning projects including traffic impact assessments, traffic signal design systems, traffic simulation modeling, access management reviews, safety studies, roundabout analysis and design as well as permit reviews and coordination. Ms. Hammonds has successfully completed hundreds of successful traffic & transportation projects. Her unique skills to bring both the client and reviewing agency to agreement on the final product is an asset to the projects she is involved in. She has completed training in HCS, Synchro, Roundabouts and the HSM and is proficient in Synchro, SimTraffic, HCS, VISTRO, SIDRA, CRASH 1, CRASH 3 and Microstation. Additionally, Ms. Hammonds has obtained the following certifications: • LADOTD Traffic Engineering Process and Reports, Modules I, II, and III • LADOTD Highway Safety Manual Workshop • Collecting and Using Automated Pedestrian and Bicycle Counts for Planning and Feasibility Analysis-RPC Course No. A122A-0105 • ATSSA Traffic Control Technician • ATSSA Traffic Control Supervisor
08/19-07/20	**S.P. No. H.009932 US 80 Widening: Vancil Rd to Well Rd EA (Ouachita Parish):** Ms. Hammonds served as a traffic engineer for this Environmental Assessment to improve the corridor by widening the existing roadway and implementing intersection improvements along 1.4 miles of US 80. She assisted in the existing/no-build, safety, and alternatives capacity analysis reports, which have been approved by LADOTD. She analyzed project impacts by coordinating and assisting in developing the line and grade study, cost estimates, and conceptual plans.
12/20-ongoing	**LA 93 Traffic Impact Study (Lafayette Parish):** The City of Scott contracted Fenstermaker to prepare traffic impact studies for three proposed developments, two Intersection Control Evaluations (ICE) and a safety evaluation. Ms. Hammonds is serving as the Project Manager.
08/19-12/21	**S.P. No. H.002297 LA 37 (Sullivan Road to Liberty Road) (East Baton Rouge Parish):** Ms. Hammonds served as the Lead Traffic Engineer and is responsible for managing and reviewing all submittals by the traffic sub-

	consultant, Gresham Smith. Fenstermaker served as the prime consultant for this Stage 0 feasibility study and environmental inventory. Ms. Hammonds ensured quality control and assisted in the development of the Stage 0 Feasibility Study, Environmental Inventory, and conceptual plans.
08/19-09/20	**Stage 0 Feasibility Study of Modern Roundabouts (Lafayette):** Fenstermaker was responsible for the Stage 0 Feasibility Studies performed on many conceptual roundabout locations throughout Lafayette Parish for the Acadiana Metropolitan Planning Organization. Ms. Hammonds served as the Transportation Engineer and was responsible for developing the roundabout reports and analyses.
03/16-ongoing	**Apollo Rd (LA 93) Extension to Dulles Drive (Scott):** Fenstermaker was selected to provide engineering services to the City of Scott to extend Apollo Road to Dulles Drive. This $14 million dollar construction project included two miles of four-lane boulevard and eight-foot sidewalks to accommodate both bicyclists and pedestrians. The new roadway intersected LA 90 and LA 93, which were designed for a bow-tie intersection and a roundabout, respectively. Ms. Hammonds assisted with the development of the roundabout design, median opening review, signage and striping plans.
09/21-ongoing	**Canfor Sawmill (De Ridder, LA):** Ms. Hammonds serves as the project manager for the traffic impact study for a proposed industrial development in DeRidder, Louisiana. The study is required to meet all requirements of the LADOTD Traffic Engineering Process and Report. Analysis included signalized intersection and a railroad crossing utilizing the HCS Software package.
12/21-ongoing	**US 190 at Market Street Extension (Tangipahoa Parish):** Fenstermaker is providing traffic engineering services and permit assistance to Tangipahoa Parish Government for the Farris Property Development. Eleven intersections are included in traffic evaluations and analysis. The scope of work, based on the typical LaDOTD Traffic Engineering Policy and Report (TEPR) requirements and amended directions included in the LaDOTD COVID-19 Traffic Impacts Policy, consisted of traffic counts, turning movement counts, and driveway/residential roadway counts during the peak hour. Fenstermaker prepared drafts and the final report, which included collected data, the existing safety analysis, the existing and no build analysis, and the alternative analysis. Ms. Hammonds serves as Project Manager.
01/22-ongoing	**Traffic Signal – LA-433 at Town Center Parkway (St. Tammany Parish, LA):** Fenstermaker is performing an Intersection Control Evaluation (ICE) analysis for the intersection of LA-433 (Old Spanish Trail) at Town Center Parkway. The scope of services includes providing traffic engineering analyses, traffic signal design, and permit assistance to Stirling Properties as required by the LADOTD. Fenstermaker is using collected traffic volume data to prepare the ICE. The evaluation includes an MUTCD 2009 Edition Traffic Signal Warrant Evaluation, a crash review for a three (3) year period that included diagrams, locations, and summaries, an existing operating analysis, and an alternative intersection control for a traffic signal, an all-way stop, a roundabout, an R-Cut, and median U-Turns. Ms. Hammonds is the Project Manager.

16. Staff Experience:

Firm employed by	**C. H. Fenstermaker & Associates, L.L.C.**			
Name	**Shalin Townsend, P.E.**		Years of relevant experience with this employer	1
Title	Engineer		Years of relevant experience with other employer(s)	5.5
Degree(s) / Years / Specialization			B.S. / 2015 / Civil Engineering	
Active registration number / state / expiration date			PE.44629 / LA / 09.30.2022	
Year registered	2020	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			Traffic / Safety / RSA	

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 time specified in the applicable MPR(s).
Shalin Townsend, P.E. is a Professional Engineer and has managed various capital improvement projects such as intersection improvements and disaster recovery projects. She has also recommended and implemented safety countermeasures and improved traffic engineering processes and has provided traffic operation support. Ms. Townsend is well versed in team leading and serves on various regional and local transportation safety and planning committees. Additionally, Ms. Townsend has obtained the following certifications: LADOTD Traffic Engineering Process and Reports, Modules I, II, and III.	
09/21-ongoing	**Canfor Sawmill Cypress Site (Deridder):** Ms. Townsend is serving as the engineer developing the traffic impact study for the new sawmill development. The study is required to meet all requirements of the LADOTD Traffic Engineering Process and Report. Analysis includes two unsignalized intersections and three proposed access points utilizing the HCS Software package, and crash analysis at two unsignalized intersections and along a highway segment utilizing the LADOTD CATScan Analysis tools.
01/22-ongoing	**Traffic Warrant – LA 433 (Old Spanish Trail) at Town Center Parkway -** Ms. Townsend is conducting a safety and crash analysis utilizing the LADOTD CATScan Analysis tools to determine the need of a traffic signal at the intersection.
08/21-ongoing	**Honeybee Residential Subdivision (Lacombe):** Ms. Townsend is serving as the engineer developing the traffic impact study for a new 1,000 lot residential development. The study is required to meet all requirements of the LADOTD Traffic Engineering Process and Report. Analysis includes two proposed access connections on US-190, and 5 existing intersections utilizing the HCS Software package.
12/21-ongoing	**Apollo Road at LA 93 (Dulles Dr.) Roundabout (Lafayette Parish):** Ms. Townsend is serving as an engineer assisting in developing temporary traffic signal designs for a detour route needed during the duration of construction of the project. The design includes two span wire signals at T-intersections, traffic signal inventories, signal diagrams, and quantity sheets. The design is required to meet all requirements of the LADOTD Traffic Signal Manual and specifications.
05/20-08/21	**Traffic Engineer, PE 1 – Calcasieu Parish Police Jury** As a traffic engineer for the Calcasieu Parish Police Jury, Ms. Townsend served as a project manager and developed and managed contracts. She performed subdivision planning, permitting reviews. and small-scale safety studies. She also generated developer agreements. Ms. Townsend worked on various transportation and traffic projects and conducted crash data analyses, recommended traffic mitigations, and developed temporary traffic control plans. Her notable projects include the Parish's Annual

	Striping Project, Hurricane Recovery Projects, the Red Davis McCollister Road Roundabout, and the Calcasieu Parish-wide Traffic Count Database.
01/16-05/20	**Engineering Intern – Calcasieu Parish Police Jury** During her experience as an engineer intern with Calcasieu Parish, Ms. Townsend analyzed crash data, performed stopping sight distance, ball bank, speed, and other safety studies, performed development reviews, and coordinated permits and road closures.

16. Staff Experience:

Firm employed by	**C. H. Fenstermaker & Associates, L.L.C.**			
Name	**Colin Francis, E.I.** 		Years of relevant experience with this employer	1.5
Title	Engineer Intern		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			B.S. / 2021 / Civil Engineering	
Active registration number / state / expiration date			EI.35053 / LA / 9.30.2022	
Year registered	2022	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			Traffic / Safety / RSA	

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 time specified in the applicable MPR(s).
	Colin Francis, E.I. is an Engineering Intern at Fenstermaker in the Mandeville office. He is a Civil Engineering student alumnus at Mississippi State University (B.S.). Prior to his employment with Fenstermaker, Mr. Francis worked in various energy and shipbuilding industries and has experience working with turbine engines and utilizing AutoCAD, Femap, and Nastran to model and analyze structural foundations used for various equipment on ships. Additionally, he has technical skills using SolidWorks and Revit. Currently, Mr. Francis specializes in Traffic Impact Analysis reports (type of engineering-focus on Traffic and Transportation) and has experience working with traffic trip generation, signal warrants, site visits, existing safety analysis, and intersection/roundabout modeling and analysis (using Sidra/Synchro, Vissim/Vistro, and HCS).
12/21-ongoing	**US 190 at Market Street Extension (Tangipahoa Parish):** Fenstermaker is providing traffic engineering services and permit assistance to Tangipahoa Parish Government for the Farris Property Development. Eleven intersections are included in traffic evaluations and analysis. The scope of work, based on the typical LaDOTD Traffic Engineering Policy and Report (TEPR) requirements and amended directions included in the LaDOTD COVID-19 Traffic Impacts Policy, consisted of traffic counts, turning movement counts, and driveway/residential roadway counts during the peak hour. Fenstermaker prepared drafts and the final report, which included collected data, the existing safety analysis, the existing and no build analysis, and the alternative analysis. Mr. Francis has compiled initial traffic count data to determine the peak period of traffic for the study area, and has begun the initial collection and compilation of crash history data from LADOTD in order to complete the existing safety analysis and crash diagrams.
12/20-ongoing	**LA 93 Traffic Impact Study (Lafayette Parish):** The City of Scott contracted Fenstermaker to prepare traffic impact studies for three proposed developments, two Intersection Control Evaluations (ICE) and a safety evaluation. Mr. Francis' duties include using the TEPR system of reporting to determine peak period and peak hour of traffic volume, implementing the use of ArcGIS to map the crash history of the corridor, and using excel to implement trip generation values to existing traffic volumes.
04/19-ongoing	**S.P. No. H.013367, Elm Grove Garden Pedestrian Improvements (East Baton Rouge Parish):** Elm Grove Garden Drive is a residential street with a public elementary school where there is an existing sidewalk on the school property but not along the corridor. The goal of this project is to provide 1.68 total miles of pedestrian facilities along the entire corridor. The residents of this area regularly travel to work, school, commerce, and

	recreation via walking and biking. The existing drainage facilities include open-ditch systems but will be upgraded as needed to accommodate the sidewalk construction. Mr. Francis assisted in MicroStation project plan files.
04/21-ongoing	**Access Connection Traffic Engineering, Port of Columbia (Caldwell Parish):** Fenstermaker will perform conduct a traffic study and permitting assistance for the Port of Columbia. Mr. Francis' duties included using the TEPR system of reporting to define peak period traffic volumes, peak hour traffic volumes, applying percentage distribution values to impacted intersections to determine level of service of current and new intersections, and determine right turn warrants.

16. Staff Experience:

Firm employed by	**C. H. Fenstermaker & Associates, L.L.C.**			
Name	**Christopher Guidry**		Years of relevant experience with this employer	24
Title	Manager, Environmental Specialist		Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization			B.S. / 1996 / Environmental and Sustainable Resources • FHWA-NHI - NEPA and the Transportation Decision-making Process • USACE Wetland Delineation Certification Training Program • ASTM Phase 1 Environmental Site Assessment Certification Program • Wetland Training Institute, Regional Supplement Seminar	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			Stage 0 / Environmental Studies	

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 time specified in the applicable MPR(s).
Christopher Guidry's experience primarily consists of environmental compliance and permitting issues. He performs Phase I Environmental Site Assessments for Oil/Gas, commercial, and private development clients. He completed the ASTM Phase I Environmental Site Assessment Certification Program in 1997 and a refresher course in 2008. Mr. Guidry has created Storm Water Pollution Prevention Plan manuals and inspections for construction and existing industrial sites as required by the Environmental Protection Agency's National Pollutant Discharge Elimination System Storm Water Multi-Sector General Permit for Industrial Activities. His duties include Wetland Delineations, Wetland Characterization, Wetland Damage Assessment, and Wetland Permitting. He has initiated Wetland Mitigation Bank construction and approvals, which offset wetland impacts because of wetland permits that are issued by the U.S. Army Corps of Engineers and the Department of Natural Resources Coastal Management Division. Mr. Guidry completed the USACE Wetland Delineation Certification Program in 1996.	
05/17-04/20	**S.P. No. H.001271 Cane River Bridge Church Street EA (Natchitoches Parish, LA):** LADOTD with FHWA prepared a NEPA environmental assessment for the proposed replacement of Cane River Bridge on Church Street Route LA 1-X.Mr. Guidry served as the Wetland Analysis Lead for this Environmental Assessment for the replacement of the bridge. He was responsible for all aspects of the wetland and threatened and endangered species analyses. He coordinated field activities and developed a report summarizing the impacts of the project to wetlands and threatened and endangered species. Mr. Guidry assisted with the preparation of the Phase I Environmental Site Assessment and USACE permits.
09/18-Present	**S.P. No. H.009932 US 80 Widening: Vancil Rd to Well Rd EA (Ouachita Parish, LA):** Mr. Guidry is serving as the Wetland Analysis Lead for this Environmental Assessment to improve the corridor by widening the existing roadway and implementing intersection improvement principles along a 1.4-mile portion of US 80. He has coordinated wetland and threatened and endangered species field delineations and analyzed impacts associated. He developed a report for approval to LADOTD, in accordance with National Environmental Policy Act (NEPA), summarizing the findings of the analyses.
4/15 – 11/17	**Coach Williams Blvd. Extension (Calcasieu Parish, LA):** Mr. Guidry's responsibilities included overall environmental project management, QA/QC of collected wetland delineation data, report preparation, and permit agent. Permits acquired include securing USACE Jurisdictional Determination and USACE Permits for jurisdictional wetland and water impacts.

02/19-08/22	**Farm Road Multi-Bridge Replacements (Calcasieu Parish, LA):** Fenstermaker was contracted by Calcasieu Parish Police Jury to provide professional engineering services for the replacement of two bridges on Farm Road approximately 0.70 miles and 0.91 miles east of the intersection of LA 397. Mr. Guidry is performing permitting and wetland delineation services.
01/15-03/15	**SPN. 00758.2 Retainer Contract for Environmental Permitting Services: I-10: E JCT I-49 to Atchafalaya Floodway (St. Martin Parish, LA):** Task Order #1 of this contract required Fenstermaker to conduct a routine wetland delineation. The proposed project requires pavement rehabilitations and additional travel lanes along I-10, from the east junction of LA 328 continuing eastward to the Atchafalaya Floodway Bridge. The delineation was limited to the existing road ROW. The approximate point-of-beginning is in Breaux Bridge (I-10: E and LA 328 junction) and traverses approximately 6.5 miles eastward to the point-of-ending. Mr. Guidry performed wetland delineation and evaluation services.
11/08-Present	**Kaliste Saloom Road Widening, Intersection Improvements, Bridge and CE&I (LA3073 to LA733) (Amb. Caffery to E. Broussard Rd) (Lafayette, LA):** Fenstermaker was selected to perform engineering design services for the roadway construction of approximately 2 miles of a 5-lane concrete roadway, a 5-lane bridge over the Isaac Verot Coulee, and a multilane modern roundabout at the intersection of E. Broussard Rd. and Kaliste Saloom Rd. Mr. Guidry reviewed wetland delineation report, permitting maps, and permit applications.
02/16-09/16	**Retainer Contract for Environmental Permitting Services: Services: LA 471: Dartigo Creek & Creek Bridges (Grant Parish, LA):** Fenstermaker was issued Task Order #2 for Dartigo Creek & Creek Bridges to conduct a routine wetland delineation. The project required the relocation and elevation of an existing 0.662-mile section of LA 471 and replacing three bridge structures along a new alignment. The delineation was limited to the existing road ROW and the required ROW for the proposed construction. Mr. Guidry provided environmental consulting and wetland delineation services for this project.
03/17-09/19	**Retainer Contract for Environmental Permitting Services: I-12: LA 21 to US 190 and US 190 to LA 59 (St. Martin Parish, LA):** Mr. Guidry provided environmental consulting and wetland delineation services for this project. The delineation was limited to the existing road ROW and the required ROW for the proposed construction. Fenstermaker conducted the delineation in accordance with the 1987 USACE Wetlands Delineation Manual and the Regional Supplement to the Corps Wetland Delineation Manual: Atlantic and Gulf Coastal Plain Region (Version 2.0, November 2010). The purpose of the wetland delineation was to determine the presence/absence of wetlands using the three technical criteria: vegetation, hydrology, and soils.
12/17-04/18	**Retainer Contract for Environmental Permitting Services: I-10 Texas Line – E. of Coone Gully (Cameron Parish, LA):** Fenstermaker was tasked with conducting a routine wetland delineation and report under the direction of Mr. Guidry. The delineation was limited to the existing road ROW and was conducted in accordance with the 1987 USACE Wetlands Delineation Manual and the Regional Supplement to the USACE Wetland Delineation Manual: Atlantic and Gulf Coastal Plain Region. The purpose of the wetland delineation was to determine the presence/absence of wetlands using the three technical criteria: vegetation, hydrology, and soils.
02/10-05/20	**Lebesque Road Bridge Replacement and Road Reconstruction (Lafayette, LA):** Fenstermaker was contracted by Lafayette Consolidated Government to provide engineering design and construction plans and specifications, along with construction oversight for Lebesque Road. Mr. Guidry provided wetland delineation investigation and reporting.

16. Staff Experience:

Firm employed by	**C. H. Fenstermaker & Associates, L.L.C.**				
Name	**Elise Arceneaux, E.I.** 		Years of relevant experience with this employer	1	
Title	Engineer Intern		Years of relevant experience with other employer(s)	0.5	
Degree(s) / Years / Specialization			B.S. / 2021 / Civil Engineering		
Active registration number / state / expiration date			EI.34845 / LA / 9.30.2023		
Year registered	2021	Discipline	Civil Engineering Intern		
Contract role(s) / brief description of responsibilities			Stage 0 / Environmental Studies		

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 time specified in the applicable MPR(s).
Elise Arceneaux received her Bachelor of Science in civil engineering in May of 2021. She joined Fenstermaker's Baton Rouge office in January of 2021 as a student intern. After passing her Fundamentals of Engineering (FE) examination, Elise was hired as a full-time engineer intern. Ms. Arceneaux works closely with Bliss Bernard, P.E., to complete any needed environmental documentation for this project.	
01/21-08/21	**S.P. No. H.009932 US 80 Widening: Vancil Rd to Well Rd EA (Ouachita Parish):** Ms. Arceneaux is serving as an Engineer Intern for this project and assists in providing all necessary engineering, environmental, and planning services required to determine necessary improvements along the LA 37 (Greenwell Springs Road) corridor from Sullivan Road to Liberty Road in East Baton Rouge Parish. Fenstermaker is serving as the prime consultant for this Stage 0 feasibility study and environmental inventory.
06/21-07/21	**LA 37 (Sullivan Road to Liberty Road) Stage 0 (East Baton Rouge Parish):** Ms. Arceneaux is serving as an Engineer Intern for this project and assists in providing all necessary engineering, environmental, and planning services required to determine necessary improvements along the LA 37 (Greenwell Springs Road) corridor from Sullivan Road to Liberty Road in East Baton Rouge Parish. Fenstermaker is serving as the prime consultant for this Stage 0 feasibility study and environmental inventory.
02/21-ongoing	**Bozeman Creek Drainage Project (East Baton Rouge Parish):** Baker's Bozeman Creek does not have the capacity to handle the volume of water produced during heavy rain events. The City of Baker selected Fenstermaker in a competitive procurement process required by FEMA's Hazard Mitigation Grant Program (HMGP) to design and direct the project to deepen and widen the canal to improve flow characteristics and capacity. Ms. Arceneaux created boundary maps, classified slabs, and created zonal statistics for the project. She also assisted with the FEMA Benefit Cost Analysis.
09/20-11/21	**CPPJ Emergency Traffic Control Device Monitoring Services (Calcasieu Parish):** Fenstermaker was contracted by Calcasieu Parish to provide emergency traffic control device monitoring services after Hurricane Laura on September 27, 2020. The project consists of assessing and repairing over 11,000 devices for the Parish. Ms. Arceneaux served as a student intern on this project, which analyzes the inventory of traffic control devices

	following Hurricane Laura in Calcasieu Parish. The adaptable technology used will aid in efficient and accurate GIS-based documentation throughout the project. Ms. Arceneaux was responsible for producing an engineering opinion of probable cost for the traffic control systems at Pete Manena and Bayou D'Inde Pass.
03/21-ongoing	**LA TIG Restoration Plan/Environmental Assessment #8 (Coastal Louisiana):** Ms. Arceneaux is currently serving as a staff scientist on this project. Fenstermaker is responsible for the development of the Louisiana Trustee Implementation Group Restoration Plan/Environmental Assessment #8: Restoration of Wetland, Coastal, and Nearshore Habitats. Ms. Arceneaux aids in the project screening and selection process and assists in report organization and document control.
03/21-ongoing	**St. Mary Sidewalks (St. Mary Parish):** The Louisiana Department of Transportation and Development and the City of Scott selected Fenstermaker to complete an ADA compliant sidewalk network on both sides of St. Mary Street from Lions Club Road to the BNSF Railroad right-of-way including subsurface drainage work where needed. Fenstermaker is tasked with performing a topographic survey, drafting preliminary plans and cost estimates, and creating the Final Plans, specifications, and estimates. The City of Scott expanded the scope of the project to extend the sidewalks to Park West Drive and Cameron Streets. This expansion requires the removal and replacement of existing sidewalks and the installation of subsurface drainage throughout the project area. Additionally, Fenstermaker will develop a scope for a crosswalk study, determination of project limits and subsurface drainage, and right-of-way acquisition. Ms. Arceneaux serves as an EI on this project to create a cost estimate using DOTD bid data.

16. Staff Experience:

Firm employed by	**C. H. Fenstermaker & Associates, L.L.C.**			
Name	**Logan Michel, P.E.**		Years of relevant experience with this employer	<1
Title	Engineer		Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization			B.S. / 2015 / Civil Engineering	
Active registration number / state / expiration date			PE.0043970 / LA / 3.31.2022	
Year registered	2019	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			Roadway / Geometric Design Task Lead	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	Logan Michel, P.E. joined Fenstermaker's Engineering group after being employed by Louisiana Department of Transportation and Development. His experience focuses on road design, as he was involved in developing all aspects of roadway planning for LADOTD state projects, including bridge spot replacement, roundabouts, overlay projects, and new roadway development. His expertise includes planning and design, project and construction management, and preparation and review of construction data and reports, including cost estimates, specifications, test results and schedules. He provided oversite for major projects and conducted project meetings on design modifications, work progress and safety measures. • National Highway Institute-LADOTD/LTRC FHWA-NHI-135056 Culvert Design • Northwestern University Center for Public Safety-Fundamental of Geometric Design Workshop • Northwestern University Center for Public Safety-Advanced Geometric Design Workshop • Teachmegis.com-Fundamentals of ArcGIS for Transportation • NHI LADOTD FHWA-NHI-380032A Roadside Safety Design • NHI LADOTD FHWA-NHI-132036 Earth Retaining Structures • LADOTD Advanced Highway Safety Manual Training-Interactive Highway Safety Design Model (IHSDM)
10/18 - 10/21	**LA 124 Extension (Segment 1) (Catahoula Parish):** This project consisted of constructing a private drive into a new state road (LA 124). Mr. Michel's responsibilities included plan production, designing new vertical and horizontal alignments based on design guidelines and hydraulic analysis, geometric design, drainage design for multiple culvert locations (RCB culverts & cross drains), cost analysis and estimation.
09/15-02/22	**LA 146 Bridges Near Vienna (Lincoln Parish):** This multiple site project included replacing three deficient bridges on LA 146 on the existing horizontal alignment with 4-8'X8' reinforced box culverts, 4-7'X6' reinforced box culverts, and a new slab span bridge. Mr. Michel's responsibilities included all engineering design for civil aspects including plan preparation and production; design of vertical alignment and superelevation, drainage and guardrail design; design of an overlay section; signage and detour layout; crash data study; cost analysis and estimation.

7/17 - 11/19	**LA 532 Over I-20 Bridge Replacement (Webster Parish):** This project consisted of replacing a deficient bridge on LA 532 over Interstate 20 onto a new horizontal alignment using phase construction so traffic flow can be maintained throughout the project including all necessary widening and interchange modifications. Portions of the side roads and the ramps connecting LA 532 to I-20 had to be re-designed because LA 532's geometrics changed. Mr. Michel's responsibilities included plan production; the design of vertical and horizontal geometry; ramp and overlay design; superelevation design; urban drainage design; signage and detour layout; and cost estimation.
9/15 to 1/22	**Bayou Chenal & Bayou Discharge Bridges (Pointe Coupee Parish):** This project consisted of replacing two deficient bridges on LA 413 on the existing horizontal alignment with a 180' and 220' slab span bridge with an on-site diversion bridge. Mr. Michel's responsibilities included plan production, designing new vertical alignments based on design guidelines and hydraulic analysis, geometric design of an on-site diversion and multiple side roads/driveways, guardrail and sheet pile layout, cost analysis and estimation.

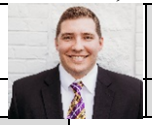
16. Staff Experience:

Firm employed by	**C. H. Fenstermaker & Associates, L.L.C.**			
Name	**Aimee Latiolais, P.E.**		Years of relevant experience with this employer	6
Title	Engineer		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			B.S. / 2001 / Civil Engineering	
Active registration number / state / expiration date			PE.42932 / LA / 03.31.2023	
Year registered	2018	Discipline	Civil Engineer	
Contract role(s) / brief description of responsibilities			Roadway / Geometric Design	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	Ms. Latiolais is a Professional Engineer with six years of experience in design, planning, and construction oversight. Aimee's core experience is in roadway design, both open channel and subsurface drainage systems, traffic studies, line and grade studies, commercial site design, and design of roundabouts. She has served as a design engineer for a multitude of transportation projects ranging from urban local to collector and arterial roadways. Ms. Latiolais is proficient in Bentley Software such as Microstation, Storm and Sanitary, and InRoads; Transoft Solution's AutoTURN; LADOTD's HYDRWIN; and SIDRA INTERSECTION. In addition to her work experience, Ms. Doucet has obtained the following certifications: • ATSSA Traffic Control Technician • ATSSA Registered Flagger • ATSSA Traffic Control Supervisor • LADOTD Traffic Engineering Process and Reports (TEPR) Module 1, 2, 3
06/17-06/20	**S.P. No. H.009932 US 80 Widening: Vancil Rd to Well Rd EA (Ouachita Parish):** Ms. Latiolais is an engineer for the line and grade study portion of the Environmental Assessment. She assisted in the layout of three alternatives to the existing 2-lane roadway, which include combinations of 3-lane, 4-lane median-divided boulevard, and intersection improvements for the 1.4-mile corridor. Intersection improvements include two proposed roundabouts at Vancil Road and Avant Road, which were both designed by Ms. Latiolais. Aimee is also assisting in the preparation of the line and grade study report and cost estimating.
03/18-12/19	**S.P. No. H.001271 Cane River Bridge Church Street EA (Natchitoches):** Ms. Latiolais served as assisting engineer for the line and grade study portion of the Environmental Assessment. Aimee completed intersection line and grades for the various alternatives proposed and assisted in preparing the line and grade report. She also assisted with the public outreach by hosting public meetings which followed the procedures set forth by LADOTD.
12/15-06/16	**Stage 0 Feasibility Study of Modern Roundabouts (Lafayette Parish):** Ms. Latiolais aided in traffic studies and roundabout designs for various intersections as part of Fenstermaker's contract to complete 30 Stage 0 Feasibility Studies of conceptual roundabout locations throughout Lafayette Parish for the Acadiana Metropolitan Planning Organization. Ms. Latiolais utilized SIDRA INTERSECTION to aid in the traffic study of two conceptual roundabout locations. She also designed, or aided in the design, of six conceptual roundabouts varying from single-lane to multi-lane and multi-approach roundabouts.
09/15-ongoing	**LADOTD Permit No. 03030387: Kaliste Saloom Road Widening, Intersection Improvements, Bridge and CE&I (LA3073 to LA733) (Amb. Caffery to E. Broussard Rd) (Lafayette):** Ms. Latiolais is currently overseeing the construction of this $34 million project. Ms. Latiolais is a Design Engineer for the widening of

	approximately 1.7 miles of Kaliste Saloom Road, an over-capacity major arterial roadway located in the center of Lafayette, Louisiana. Aimee was responsible for the subsurface drainage design for the entire project and utility relocations at the roundabout intersection, as well as, creating the official Opinion of Probable Cost and necessary construction documents. She also assisted in permitting and agency coordination with LCG, LADOTD, and DHH. She continues to aid in managing the construction effort on this project.
03/16-ongoing	**Apollo Rd (LA 93) Extension to Dulles Drive (Scott):** Ms. Latiolais is the Lead Design Engineer and Engineer of Record for Phase 3 of the new 2.2-mile, 4-lane boulevard roadway in Scott, Louisiana. She is responsible for the design of approximately 0.75 miles of the urban arterial roadway and open channel hydraulics. At the request of the project owners, Ms. Latiolais also produced an informal line and grade study for a multi-lane roundabout intersection with Apollo Road and the future Eraste Landry Road extension.
04/16-10/16	**Sasol LCCP-Heavy Haul Road Engineering and Construction (LA378 & LA379) (Westlake):** This contract includes engineering and consulting services for the completion of various aspects of the Sasol Chemicals (USA) LLC–Lake Charles Chemicals Project (LCCP). Fenstermaker is responsible for the engineering design of the 1.5-mile heavy haul route that will be utilized to transport the oversized modules from the Calcasieu River to the proposed plant site in Westlake, Louisiana. Ms.Latiolais utilized AutoTURN to ensure driveway designs were adequate as part of an access permit application, as well as, determined a cost estimate to realign necessary driveways.
02/17-ongoing	**S.P. No. H.011235.5: I-49 South at Verot School Road (LA 339) (Lafayette):** Ms. Latiolais is a Design Engineer responsible for the widening of existing Verot School Road from Pinhook Road (LA 182) to existing US 90 from a 2-lane roadway to a median separated 4-lane roadway facility. She is designing horizontal and vertical roadway elements, intersection improvements to include a multi-lane roundabout, and open channel and subsurface drainage along Verot School Road, South College Road, Hugh Wallis Road, and the Service Road. Aimee also aided in the project line and grade study and hosting the public meeting which followed the procedures set forth by LADOTD.
08/14-ongoing	**Ham Reid Rd Roundabout & Extension (Calcasieu Parish):** This project involves professional engineering design and planning services related to the improvement of intersection on Nelson Road at Ham Reid Road. Ms. Latiolais served as a design engineer and quality control reviewer of the subsurface drainage design.
01/21-02/21	**LA 37 (Sullivan Road to Liberty Road) (East Baton Rouge Parish):** Fenstermaker is serving as the prime consultant for this Stage 0 feasibility study and environmental inventory. Ms. Latiolais prepared cost estimates for the study.

16. Staff Experience:

Firm employed by	**C. H. Fenstermaker & Associates, L.L.C.**			
Name	**Drake Helton, E.I.** 		Years of relevant experience with this employer	1
Title	Engineer		Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization			B.S. / 2019 / Civil Engineering	
Active registration number / state / expiration date			EI.34455 / LA / 9.30.2022	
Year registered	2020	Discipline	Civil Engineer Intern	
Contract role(s) / brief description of responsibilities			Roadway / Geometric Design	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
Drake Helton, E.I. graduated from Louisiana State University with a Bachelor of Science in Civil Engineering in 2019. In 2020, he completed his Engineer Intern (E.I.) certification with the state of Louisiana. He recently joined Fenstermaker from LADOTD, where his primary role was to assist with projects involving all aspects of Civil Engineering. He reviews design plans, conducts site visits, develops engineering, environmental, and hydraulic plans.	
12/20-09/21	**S.P. No. H.002297 LA 37 (Sullivan Rd to Liberty Rd) (East Baton Rouge Parish)**: Mr. Helton is serving as an Engineer Intern for this project to provide all necessary engineering, environmental, and planning services required to determine necessary improvements along the LA 37 (Greenwell Springs Rd) corridor from Sullivan Rd to Liberty Rd in East Baton Rouge Parish. Fenstermaker is serving as the prime consultant for this Stage 0 feasibility study and environmental inventory. Mr. Helton assisted in developing the alternatives utilizing Microstation.
05/21-05/21	**S.P. No. H.009932 US 80 Widening: Vancil Rd to Well Rd EA (Ouachita Parish, LA):** Mr. Helton is serving as an Engineer Intern for this Environmental Assessment to improve the corridor by widening the existing roadway and implementing intersection improvement principles along a 1.4-mile portion of US 80. He has assisted with analyzing project impacts by coordinating and assisting in developing various engineering and technical studies, including line and grade study, GIS mapping, phase 1 environmental site assessment, and air and noise impact studies.
01/21-03/21	**RR 045 Filmore South Group D (FRC) (Orleans Parish, LA):** Fenstermaker was contracted to provide professional engineering design and construction administration services for FEMA-eligible street repairs in the Filmore South neighborhood. Services being provided include topographic and right-of-way surveys, roadway and drainage design, environmental study, final design, bid & award services, construction administration, construction close out, and inspection, reporting, and verification. The design is following FEMA guidelines, as well as the guidelines set forth by City of New Orleans Public Works. Mr. Helton reviewed and addressed comments involving specifications, quantities, and design on the plans, using excel and Microstation.
02/21-08/21	**RR 105 Lower Ninth Ward Northeast Group C (Orleans Parish, LA)** Fenstermaker was contracted to provide professional engineering design and construction administration services for FEMA-eligible street repairs in the Lower Ninth Ward neighborhood. Services being provided include topographic and right-of-way surveying, roadway and drainage design, environmental study, construction bidding services, construction administration, construction closeout and construction inspection. The design is following FEMA guidelines, as well as the guidelines set forth by City of New Orleans Public Works. Mr. Helton reviewed and addressed comments involving specifications, quantities, and design on the plans, using excel and Microstation.

12/20-ongoing	**2021 Asphalt Overlay Project (Carencro):** Fenstermaker was selected to prepare plans and specifications for this project, which consists of the overlay of approximately 2.5 miles of roadway surface throughout the City of Carencro. Fenstermaker's additional duties include administration of construction. Mr. Helton was responsible for updating plans and ensuring street striping was adequate to accommodate turning school buses.
11/20-ongoing	**Louisiana Watershed Initiative Region 4:** Mr. Helton is serving as an Engineer Intern for the Louisiana Watershed Initiative Region 4, an unprecedented project that will manage the future flood risk in the State of Louisiana through watershed-based solutions. Mr. Helton has assisted with detailed invoicing, following strict guidelines of LADOTD and OCD. He developed a tracking spreadsheet to ensure accurate data input to expedite the invoice process. He will provide services to successfully complete an interactive, usable, and manageable hydraulic and hydrologic Region 4, which encompasses De Soto, Sabine, Vernon, Rapides, Beauregard, Allen, Jefferson Davis, Calcasieu, and Cameron Parishes in the State of Louisiana. These models will consider the degree to which communities within a watershed are hydraulically and hydrologically connected, and will lead decisions regarding land use, policy, and infrastructure must now be coordinated, made, and implemented at the watershed level if flood risk is to be effectively managed.

16. Staff Experience:

Firm employed by	**C. H. Fenstermaker & Associates, L.L.C.**			
Name	**Troy Breaux, E.I.** 		Years of relevant experience with this employer	<1
Title	Engineer Intern		Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization			B.S. / 2020 / Civil Engineering	
Active registration number / state / expiration date			EI.0034492 / LA / 9.30.2022	
Year registered	2020	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			Roadway / Geometric Design	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	Troy Breaux, E.I. currently works as an Engineer Intern in Fenstermaker's Baton Rouge office. He received his Bachelor of Science degree in Civil Engineering with a Minor in Mathematics in 2020 and is member of the Louisiana Engineering Society (LES). His experience includes on-site explorations and construction related tasks, including observations of site grading activities and measures, inclinometer installation and monitoring, and foundation system installation. Documentation of these activities were recorded in field reports for distribution to the agencies, client and owner. Additionally, Mr. Breaux has obtained the following certifications: • APNGA Annual Refresher Training for Portable Nuclear Gauges • APNGA Port Nuclear Gauge Safety & U.S. D.O.T. Hazmat Certification Class • National Environmental Trainers, 40 Hour HAZWOPER 1910.120e • National Environmental Trainers, HAZWOPER 8 Hour Annual Refresher • Transportation Worker Identification Credential (TWIC)
1/22-ongoing	**S.P. No. H.011235.5: I-49 South at Verot School Road (LA 339) (Lafayette, LA):** The scope of this project is to widen the existing Verot School Road from Pinhook Road (LA 182) to existing US 90 from a 2-lane roadway to a median separated 4-lane roadway facility. Fenstermaker is designing horizontal and vertical roadway elements, intersection improvements to include a multi-lane roundabout, and open channel and subsurface drainage along Verot School Road, South College Road, Hugh Wallis Road, and the Service Road. The project adheres to the procedures guidelines set forth by LADOTD. Mr. Breaux is performing quality control check-throughs of re-striping quantities for the entire stretch of this project. He is also aiding in the overall roadway and subsurface drainage design.
07/20-01/22	***Confidential Client (Plaquemine Parish):** Construction monitoring for an excavation site was provided for this project. Mr. Breaux's involvement included assisting with the installation of the inclinometer casings and MeasurandTM SAAV ShapeArrays to monitor movement of an adjacent levee. He monitored the data in real-time using Sensemetrics Threads which record the data from the SAAVs and wirelessly transmit the data to a cloud-based platform where he can access the data. He also performed baseline and periodic manual readings of the inclinometers using a traditional inclinometer probe. In addition to inclinometers, he assisted in the installation of three vibrating wire piezometers which also wirelessly transmitted data to the Sensemetrics Threads using Geokon GeoNet nodes.

06/21-01/22	***Louisiana Department of Transportation and Development, I-10/Loyola Interchange Design Build (Kenner):** Geotechnical exploration, testing and engineering for this high-profile project in Kenner was completed that will ultimately improve the Loyola Drive interchange to increase operational efficiency and traffic capacity. Mr. Breaux was part of the team as a staff geotechnical engineer conducting pile drive analysis and reports.
01/21-04/21	***Energy Transfer, Revolution Pipeline Slope Stabilization Plans and Construction Support (Beaver County, PA):** Supporting this project as a staff geotechnical engineers, Mr. Breaux assisted with all field activities such as installing inclinometers, monitoring and preparing the data collecting, Services were provided assist with the acquisition and installation of instrumentation for long-term monitoring at the Penny Hollow site. Tasks included were to establish an automated system for monitoring potential slope movement within three existing inclinometer casings at Penny Hollow.
02/21-03/21	***Coastal Protection and Restoration Authority, Cameron Meadows Marsh Creation and Terracing Construction Monitoring (Johnson Bayou, LA):** The task for this project included the instillation of marsh settlement monitoring equipment, Instrumented Settlement Plates (ISPs), and continual monitoring of settlement data well beyond the duration of the project. Mr. Breaux was the lead staff field engineer, tasked with the instillation of 3 Geokon earth settlement plates and 3 vibrating wire piezometers, as well as Geokon GeoNet nodes on these ISPs. The data is monitored in real time using a Sensemetrics Thread that is transmitting data to a cloud-based system for interpretation. Mr. Breaux provided troubleshooting of the equipment during its project duration.
08/19-05/20	***Louisiana Testing & Inspection:** Mr. Breaux served as a lab technician and became Nuclear Density Gauge Certified in 2019.
05/19-08/19	***Fugro USA Land LLC Summer Internship:** Mr. Breaux served as a surveyor for density tests and cone penetrating testing at the Calcasieu Pass LNG Plant. He also served as a lab technician and worked on unconfined concrete breaks and Atterberg Limits.

**Denotes work performed at another firm*

16. Staff Experience:

Firm employed by	**C. H. Fenstermaker & Associates, L.L.C.**			
Name	**Brandon Abbott, E.I.** 		Years of relevant experience with this employer	<1
Title	Engineer Intern		Years of relevant experience with other employer(s)	1.5
Degree(s) / Years / Specialization			B.S. / 2020 / Civil Engineering	
Active registration number / state / expiration date			EI.0034820 / LA / 9.30.2023	
Year registered	2021	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			Roadway / Geometric Design	

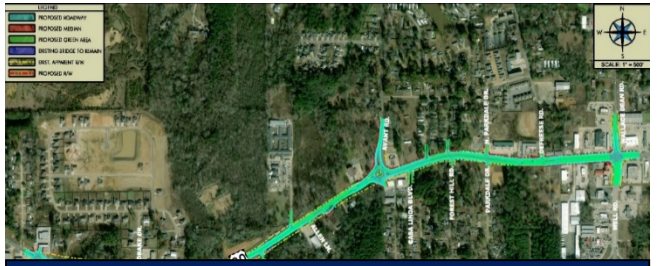
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	Brandon Abbott, EI is a 2020 Civil Engineering graduate and former Healthcare Sargent with the United States Army, who has joined Fenstermaker's engineering group in January of 2022. His previous experience includes transportation engineering performing design tasks such as horizontal and vertical alignments, pavement design, quantity and drainage calculations and watershed delineations. He has assisted with the design of over 90 bridges across Louisiana on LADOTD projects. He also assisted with several governmental projects involving pipeline design/improvements and geotechnical solutions regarding pipeline installations. He has handled cost estimations, report/document/project tracking, site project visits, invoice agreement verification and building permit applications. He is proficient in AutoCAD Civil 3D, Microstation V8i, and HEC-RAS / HEC-HMS.
03/20	**LADOTD Rural Bridge Initiative: Phase I North Louisiana Bridges (North Louisiana):** Design improvements to existing rural bridges across north Louisiana. Determine the efficacy of existing drainage and structure designs and determine the need for improvements.
04/18	**Pipeline Extension (Jennings, LA):** Project description and your role: Inspect and make corrections to engineering documents to facilitate the construction of the project to specifications of the client.

17. **Firm Experience:**

Identify the team's project experience **most relevant** to the scope in the advertisement. The projects should be limited to a total of 30, with no more than 10 projects being represented by a single firm on the team. If more than 30 projects are identified, all projects identified after the first 30 will not be evaluated. If more than 10 projects are identified for a single firm, all projects identified after the first 10 from that firm will not be evaluated. Include no more than one page per project. Projects identified shall only include work performed by firms on the team. The projects identified do not necessarily need to have been DOTD projects.

Firm name	**C. H. Fenstermaker & Associates, L.L.C.**		Past Performance Evaluation Discipline(s)*		Traffic, Environmental
Project name	**US 80 Widening: Vancil Road to Well Road EA**			Firm responsibility (prime or sub?)	Prime
Project number	State Project No. H.009932 Federal Aid Project No. H009932	Owner's name	Louisiana Department of Transportation & Development		
Project location	Ouachita Parish, LA		Owner's Project Manager	Christina Brignac, P.E.	
Owner's address, phone, email	1201 Capitol Access Rd, Baton Rouge, LA 70802, (225) 379-1394, Christina.Brignac@La.Gov				
Services commenced by this firm (mm/yy)	05/17	Total consultant contract cost ($1,000's)		$657.91	
Services completed by this firm (mm/yy)	10/21	Cost of consultant services provided by this firm ($1,000's)		$384.79	

Fenstermaker served as the prime consultant responsible for the Environmental Assessment (EA), including the planning, public outreach, and engineering and environmental services needed for LADOTD and FHWA to reach an environmental decision for the proposed widening of US 80 in Ouachita Parish. The widening project spanned approximately 1.4-miles. This roadway experienced high directional volumes during the daily morning and evening commute times; high-turnover commercial properties and residential neighborhoods; and higher crash rates when compared to state averages. Fenstermaker provided all services to conduct the appropriate technical studies, traffic studies, line and grade study, air and noise, cultural resources, wetland delineations, and other studies to provide an Environmental Assessment. Three alternatives and the No-Build were evaluated to determine impacts to social, human, natural, and environmental factors.



US 80 EA Corridor Study Limits

Staff to be used in this proposal:

- Kimberly McDaniel, P.E., PTOE
- Diane Hammonds, P.E., PTOE
- Dax Douet, P.E.
- Aimee Latiolais, P.E.
- Elise Arceneaux, EI
- Drake Helton, EI

17. **Firm Experience:**

Firm name	**C. H. Fenstermaker and Associates, L.L.C.**		Past Performance Evaluation Discipline(s)*	Traffic	
Project name	**LA 93 Traffic Impact Study**		Firm responsibility (prime or sub?)	Prime	
Project number	N/A	Owner's name	City of Scott		
Project location	Lafayette Parish, LA		Owner's Project Manager	Jan Scott-Richard	
Owner's address, phone, email	City of Scott, 125 Lions Club Rd, Scott, LA, 70583, (337) 233-1130, jrichard@cityofscott.org				
Services commenced by this firm (mm/yy)	09/20	Total consultant contract cost ($1,000's)		$90	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)		$90	

The City of Scott contracted Fenstermaker to prepare a traffic impact study for five proposed developments, an intersection control evaluation (ICE) for the intersection of LA 93 and Renaud, a corridor study of LA 93, and a safety evaluation. The study will follow all LADOTD regulations and directives. Fenstermaker will determine peak periods, evaluate turning movement counts, and driveway counts, and will collect speed data. The safety evaluation report will include a review of crash reports for the most recent three-year period available and a summary of trends and observations of the crash data for the area. Fenstermaker will also prepare existing no-build analyses, a design year volume map, and an alternative analysis

Map showing traffic count locations

Staff to be used in this proposal:

- Kimberly McDaniel, P.E., PTOE
- Diane Hammonds, P.E., PTOE
- Shalin Townsend, P.E.
- Colin Francis, EI
- Drake Helton, EI

17. **Firm Experience:**

Firm name	**C.H. Fenstermaker & Associates, L.L.C.**		Past Performance Evaluation Discipline(s)*		Traffic, Environmental, Planning
Project name	**Cane River Bridge Church Street (LA 1-X) EA**			Firm responsibility (prime or sub?)	Prime
Project number	State Project No. H.001271 Federal Aid Project No. H001271	Owner's name	Louisiana Department of Transportation & Development		
Project location	Natchitoches Parish, LA		Owner's Project Manager	Jacob Fusilier, P.E.	
Owner's address, phone, email	1201 Capitol Access Rd, Baton Rouge, LA 70802, (225) 379-1185, Jacob.Fusilier@La.Gov				
Services commenced by this firm (mm/yy)	05/17		Total consultant contract cost ($1,000's)		$867.77
Services completed by this firm (mm/yy)	04/20		Cost of consultant services provided by this firm ($1,000's)		$486.07

Fenstermaker served as the prime consultant responsible for the **planning, public outreach, engineering, and environmental services necessary to gauge public support and document information** for LADOTD and FHWA to reach an **environmental decision** for proposed replacement of the Cane River Bridge. The project included conducting appropriate technical and environmental studies and the preparation of the final **Environmental Assessment (EA),** culminating in a **Finding of No Significant Impacts (FONSI)**. Also included were the analysis, evaluation, and documentation of the proposed project alternative alignments and their effects in accordance with the provisions of NEPA, FHWA, LADOTD, and applicable laws, rules, guidance, and regulations. In addition, Fenstermaker provided overall project management, environmental assessment document, public and agency outreach coordination, preparation of the project's line and grade study, and coordination of all project meetings.

Illustration of proposed Cane River Bride and Rue Beauport Riverfront improvements

Staff to be used in this proposal:

- Kimberly McDaniel, M.S., P.E., PTOE
- Bliss Bernard, P.E.
- Dax Douet, P.E.
- Aimee Latiolais, P.E.

17. **Firm Experience:**

Firm name	**C. H. Fenstermaker & Associates, L.L.C.**		Past Performance Evaluation Discipline(s)*	Traffic, Environmental, Planning	
Project name	**LA 37 (Sullivan Road to Liberty Road) Stage 0**		Firm responsibility (prime or sub?)	Prime	
Project number	State Project No. H.002297.1 Federal Aid Project No. H002297	Owner's name	Louisiana Department of Transportation & Development		
Project location	East Baton Rouge Parish, LA		Owner's Project Manager	Hong Zhang, P.E.	
Owner's address, phone, email	1201 Capitol Access Rd, Baton Rouge, LA 70802, (225) 379-1421, Hong.Zhang@La.Gov				
Services commenced by this firm (mm/yy)	06/18	Total consultant contract cost ($1,000's)		$416.57	
Services completed by this firm (mm/yy)	12/21	Cost of consultant services provided by this firm ($1,000's)		$189.72	

Fenstermaker served as the prime consultant responsible for engineering, environmental, and planning services required to determine necessary improvements along the LA 37 corridor through LADOTD's Stage 0 process**.** This section of roadway is in Central, Louisiana in East Baton Rouge Parish and spans approximately 8.5 miles. The purpose of the project was to improve operations and safety along the corridor by increasing capacity, reducing traffic delays, improving the level of service, and reducing the number and severity of crashes.

Fenstermaker identified numerous alternatives for three segments along LA 37, ranging from widening, installing medians and j-turns, installing shoulders and turn lanes, installing lighting and signing, and various intersection improvements. These alternatives and a screening matrix were presented to LADOTD for refinement. A total of nine alternatives (three for each segment) were identified to proceed in the development of traffic analyses, environmental screening, a line and grade study, and feasibility analyses. A Stage 0 and Environmental Checklist were developed and presented the findings of the studies.

LA 37 in Central, LA

Staff to be used in this proposal:

- Kimberly McDaniel, M.S., P.E., PTOE
- Diane Hammonds, P.E., PTOE
- Bliss Bernard, P.E.
- Drake Helton, EI

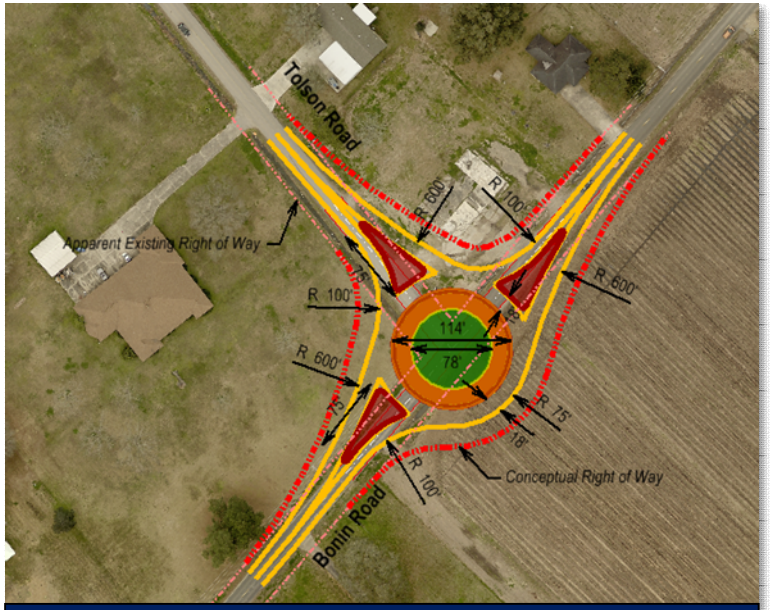
17. **Firm Experience:**

Firm name	**C. H. Fenstermaker & Associates, L.L.C.**			Past Performance Evaluation Category(ies)*	Traffic, Environmental, Planning
Project name	**Stage 0 Roundabout Feasibility Studies**			Firm responsibility (prime or sub?)	Prime
Project number	State Project No. H.004490	Owner's name	Acadiana Planning Commission		
Project location	Lafayette Parish, LA			Owner's Project Manager	Chris Cole
Owner's address, phone, email	101 Jefferson Street, Suite 201, Lafayette, Louisiana 70501, (337) 806-9363, ccole@planacadiana.org				
Services commenced by this firm (mm/yy)	09/13	Total consultant contract cost ($1,000's)			$350
Services completed by this firm (mm/yy)	09/20	Cost of consultant services provided by this firm ($1,000's)			$270

Fenstermaker was selected to perform numerous **Stage 0 Feasibility Studies** for the implementation of roundabouts throughout Lafayette. The purpose of these studies is to evaluate the operational feasibility, constructability, and safety of converting multiple existing unsignalized intersections into modern roundabouts, **based upon LADOTD procedures and standards**. Fenstermaker's services include performing traffic data collection, researching historical accident data, performing analyses to determine conceptual intersection geometry, identifying environmental impacts (both human and natural), quantifying right of way acquisition needs, estimating construction costs, and performing an overall rating analysis to rank project concepts.

Staff to be used in this proposal:

- Kimberly McDaniel, M.S., P.E, PTOE
- Diane Hammonds, P.E., PTOE
- Dax Douet, P.E.
- Bliss Bernard, P.E.
- Aimee Latiolais, P.E.



Roundabout design

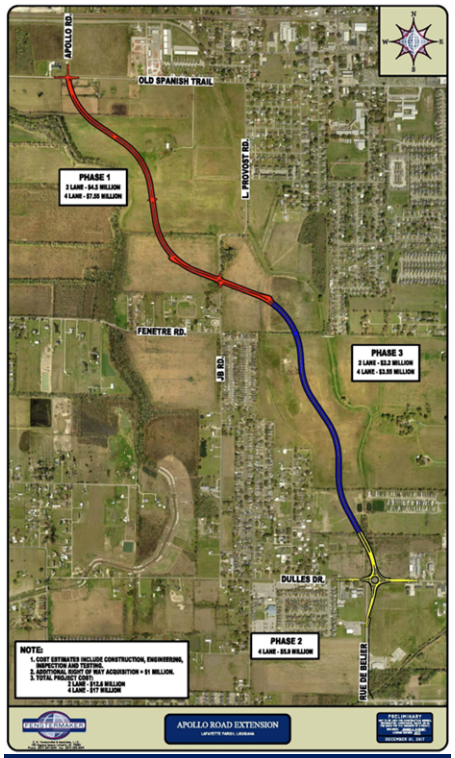
17. **Firm Experience:**

Firm name	**C. H. Fenstermaker & Associates, L.L.C.**	Past Performance Evaluation Discipline(s)*	Traffic, Planning, Data Collection, Road, Right-of-Way, Survey
Project name	**Apollo Road (LA 93) Extension to Dulles Drive**	Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	City of Scott
Project location	Scott, Louisiana	Owner's Project Manager	Jan-Scott Richard, Mayor
Owner's address, phone, email	PO Box 517, Scott, LA 70583, (337) 291-8534, jrichard@cityofscott.org		
Services commenced by this firm (mm/yy)	03/11	Total consultant contract cost ($1,000's)	$1,508
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$1,484

This $15 million dollar construction project includes two miles of a four-lane boulevard and six-foot sidewalks. Part of the City's Master Plan, the extension is projected to have long-term economic and quality of life impacts to the region and residents of the Scott community. Apollo Road will be extended from Cameron Street to Rue de Bellier and will create an additional route into Lafayette. This extension is estimated to handle up to 27,000 cars a day. To calm the increased traffic volume caused by the extension, two roundabouts are being built along Apollo Road at Cameron Street and Rue De Bellier and Dulles. These roundabouts will reduce protentional intersection collisions by slowing traffic. Because Apollo Road's development is on 0.25 miles of a state highway, Fenstermaker completed a Traffic Impact Study in compliance with Louisiana Administrative Code Title 70, Part 1, Chapter 11. The Traffic Impact Study included peak-hour turning movement counts (TMCs) at the intersections and a review of DOTD Traffic Signal Inventory Sheets. Fenstermaker analyzed the project route's crash data supplied by the City of Scott Police Department. Fenstermaker determined that peak hour traffic volumes are expected to exceed the existing capacity of the intersection of US-90 and Apollo Road. Fenstermaker justified the inclusion of the roundabouts in the design to accommodate the increased peak hour traffic volumes.

Staff to be used in this proposal:

- Kimberly McDaniel, M.S., P.E., PTOE
- Diane Hammonds, P.E., PTOE
- Dax Douet, P.E.
- Aimee Latiolais, P.E.
- Drake Helton, EI



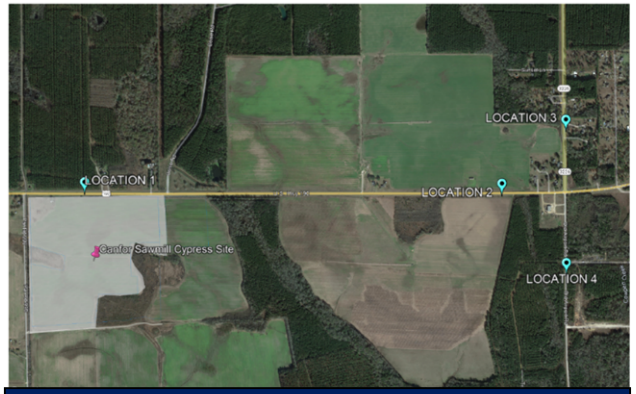
The Apollo Road extension showing both roundabouts

17. **Firm Experience:**

Firm name	C. H. Fenstermaker and Associates, L.L.C.		Past Performance Evaluation Discipline(s)*	Traffic	
Project name	Canfor Sawmill Traffic Impact Statement (TIS)			Firm responsibility (prime or sub?)	Sub
Project number	N/A	Owner's name	PPM Consultants, Inc.		
Project location	Beauregard Parish, LA		Owner's Project Manager	Tim Powers	
Owner's address, phone, email	7936 Office Park Blvd., Suite A, Baton Rouge, LA, 70809, (225) 293-7270, tim.powers@ppmco.com				
Services commenced by this firm (mm/yy)	09/21	Total consultant contract cost ($1,000's)		$27	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)		$27	

Canfor Corporation is building a $160 million USD new state-of-the-art sawmill near DeRidder, Louisiana. The facility will have an annual production capacity of 250 million board feet on a two-shift basis and will directly employ about 130 people plus create significant additional indirect jobs for the residents of Beauregard Parish and surrounding areas. To proceed with the build, Canfor needed to show the Parish and the Louisiana Department of Transportation and Development (LADOTD) the potential impacts on the community of approximately 200-250 log trucks per day. The goal is to keep the mill's traffic on US 190.

As a sub to PPM, Fenstermaker performed a Traffic Impact Analysis (TIA) at the new sawmill's proposed site. The scope of services included traffic engineering services and permit assistance. The intersection of US 190 at LA 3226 and three driveways along the US 190 corridor were included in this study. The study included collecting 7-day, 24-hour traffic counts and determining the project peak period for LADOTD and Beauregard Parish. Fenstermaker then prepared existing and no build analyses that satisfied Tier 1 Analysis requirements and included the required matrix of considered alternatives. Additionally, Fenstermaker prepared a design year volume map in compliance with LADOTD TEPR requirements.



24-hour count locations at the Canfor Sawmill site

Staff to be used in this proposal:

- Kimberly McDaniel, P.E., PTOE
- Diane Hammonds, P.E., PTOE
- Shalin Townsend, P.E.
- Colin Francis, EI

17. **Firm Experience:**

Firm name	C. H. Fenstermaker and Associates, L.L.C.		Past Performance Evaluation Discipline(s)*	Traffic	
Project name	US 190 at Market Street Extension		Firm responsibility (prime or sub?)	Prime	
Project number	N/A	Owner's name	Tangipahoa Parish Government		
Project location	Tangipahoa Parish, LA		Owner's Project Manager	Ronda Durbin	
Owner's address, phone, email	206 East Mulberry Street, PO Box 215, Amite, LA, 70422, (985) 748-3211, rdurbin@tangipahoa.org				
Services commenced by this firm (mm/yy)	12/21	Total consultant contract cost ($1,000's)		$119	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)		$119	

Fenstermaker provided traffic engineering services and permit assistance to Tangipahoa Parish Government for the Farris Property Development. Eleven intersections are included in traffic evaluations and analysis. The scope of work, based on the typical LaDOTD Traffic Engineering Policy and Report (TEPR) requirements and amended directions included in the LaDOTD COVID-19 Traffic Impacts Policy, consisted of traffic counts, turning movement counts, and driveway/residential roadway counts during the peak hour. Fenstermaker prepared drafts and the final report, which included collected data, the existing safety analysis, the existing and no build analysis, and the alternative analysis.

Map showing the tube count locations

Staff to be used in this proposal:

- Diane Hammonds, P.E., PTOE
- Colin Francis, EI

17. **Firm Experience:**

Firm name	**C. H. Fenstermaker & Associates, L.L.C.**			Past Performance Evaluation Discipline(s)*	Traffic, Planning
Project name	**Louisiana DOTD SHSP 2012 & 2015 – Implementation (Statewide)**			Firm responsibility (prime or sub?)	Sub
Project number	H.972169.1 Contract No. 4400005388, 4400002481	Owner's name	Louisiana Department of Transportation and Development		
Project location	Louisiana (Statewide)			Owner's Project Manager	Autumn Goodfellow-Thompson
Owner's address, phone, email	1201 Capital Access Road Baton Rouge, LA 70802-4438, 225-379-1838, autumn.goodfellow-thompson@la.gov				
Services commenced by this firm (mm/yy)		11/12	Total consultant contract cost ($1,000's)		$92.06
Services completed by this firm (mm/yy)		05/20	Cost of consultant services provided by this firm ($1,000's)		$52.81

Fenstermaker was a sub-consultant to Cambridge Systematics in engaging regional and local partners and promoting implementation of initiatives in support of Louisiana's Strategic Highway Safety Plan (SHSP). The SHSP is a multidisciplinary strategic plan with a focus on reducing motor vehicle deaths and injuries through a 4E approach – engineering, enforcement, emergency response, and educational strategies. The plan is data-driven and includes goals and performance measures for tracking progress. Fenstermaker was responsible for attending Regional Safety Coalition meetings and Statewide Emphasis Area meetings and assisting with facilitation of strategic planning in support of local engineering initiatives for unique regional implementation of SHSP emphasis areas. Fenstermaker was also responsible for providing support to the Regional Safety Coalition including identifying engineering best practices, conducting relevant research, consulting on countermeasure effectiveness, and providing support documentation and handouts as needed.

Fenstermaker team members attending a SHSP meeting

Staff to be used in this proposal:

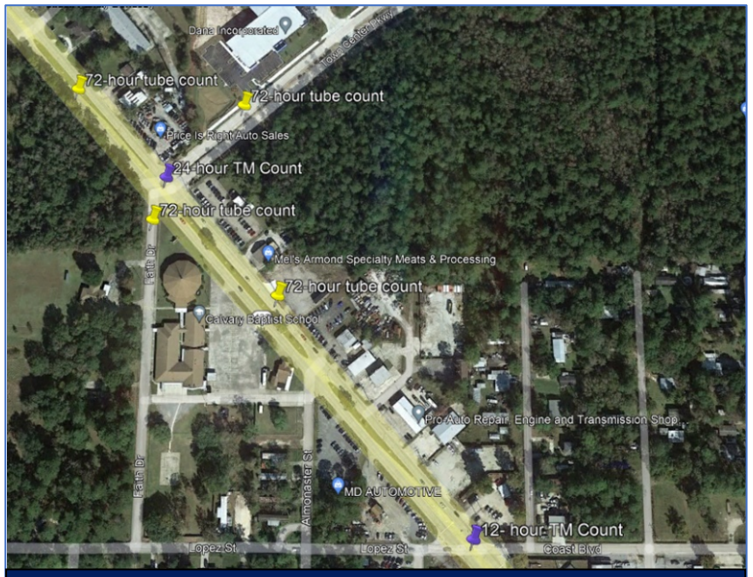
- Bliss Bernard, P.E.

17. **Firm Experience:**

Firm name	**C. H. Fenstermaker and Associates, L.L.C.**		Past Performance Evaluation Discipline(s)*	Traffic	
Project name	**Traffic Signal – LA-433 at Town Center Parkway**		Firm responsibility (prime or sub?)	Prime	
Project number	N/A	Owner's name	Stirling Properties		
Project location	St. Tammany Parish, LA		Owner's Project Manager	Townsend Underhill	
Owner's address, phone, email	109 Northpark Boulevard, Covington, LA, 70433, (502) 386-3803, tunderhill@stirlinggroup.com				
Services commenced by this firm (mm/yy)	01/22	Total consultant contract cost ($1,000's)		$11	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)		$11	

Fenstermaker performed an Intersection Control Evaluation (ICE) analysis for the intersection of LA-433 (Old Spanish Trail) at Town Center Parkway in St. Tammany Parish, LA. The scope of services included providing traffic engineering analysis, traffic signal design, and permit assistance to Stirling Properties for traffic evaluations and analysis as required by the LADOTD.

Fenstermaker used collected traffic volume data to prepare the ICE. The evaluation included an MUTCD 2009 Edition Traffic Signal Warrant Evaluation, a crash review for a three (3) year period that included diagrams, locations, and summaries, an existing operating analysis, and an alternative intersection control for a traffic signal, an all-way stop, a roundabout, an R-Cut, and median U-Turns.



Map showing locations where traffic counts were collected

Staff to be used in this proposal:

- Diane Hammonds, P.E., PTOE

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.

Task 1.0 Stage 0 Feasibility Studies

This task includes **project feasibility reports and traffic studies**. The purpose of Stage 0 is to support a streamlined project delivery process in accordance with LADOTD. Fenstermaker will follow the **LADOTD Stage 0 Manual of Standard Practice** for any task order requiring Stage 0. A standard Stage 0 Feasibility Study will follow the below general steps:

1. Contracting/Kickoff

- Site Visit
- Planning for kickoff meeting, including attendees
- Records Search- Obtain existing feasibility studies, traffic data, MPO data, local and regional data, roadway plans, etc.
- Prepare Preliminary Design Report & Establish Design utilizing Minimum Design Guidelines
- Host kickoff meeting
- Establish Preliminary Purpose and Need

2. Traffic Studies

- Traffic Data Collection
- Utilize the TEPR process to develop existing and proposed traffic study report, safety studies, and other required traffic submittals
- Perform safety analysis using AASHTO HSM predictive methods to provide a quantitative comparison of safety for each alternative
- Refine Preliminary Purpose and Need based upon findings
- Based upon traffic results, establish alternatives for analysis

TRAFFIC | The initial data collection may include 7-day/24-hour counts, peak period determination, QA/QC, and the Initial Data Collection Report (Appendix A). The final data collection tasks will be incorporated in Appendix B- Final Data Collection Report, and Chapter 1 of the TEPR. Fenstermaker will coordinate with regional planning commissions to ensure accuracy and cohesiveness with travel demand models and transportation plans. If existing safety analyses and no-build analyses are required as a part of the task order, the safety documentation (Appendix C), the existing and no-build analysis (Appendix D) and the Tier 1 Analysis and Chapter 2 will be developed. If necessary, a meeting will be held to progress into the Alternatives Analysis process. Next, the Preliminary Tier 2 Analysis including conceptual layouts of the alternatives, redistributed volumes, measures of effectiveness (MOEs), operational analysis, critical geometry, safety analysis, and the alternative comparative evaluation matrix will be developed. Once the Preliminary Tier 2 Analysis is approved and a meeting is held, the Final Alternatives Analysis, included as Appendix D will be completed. Finally, the introduction, executive summary, and Chapter 3 of the report will be developed, and a Final Alternatives Analysis Meeting will be held. The deliverable to LADOTD will include the combination of all chapters, the introduction, executive summary, and conceptual plans and cost estimates.

3. Alternatives Analysis

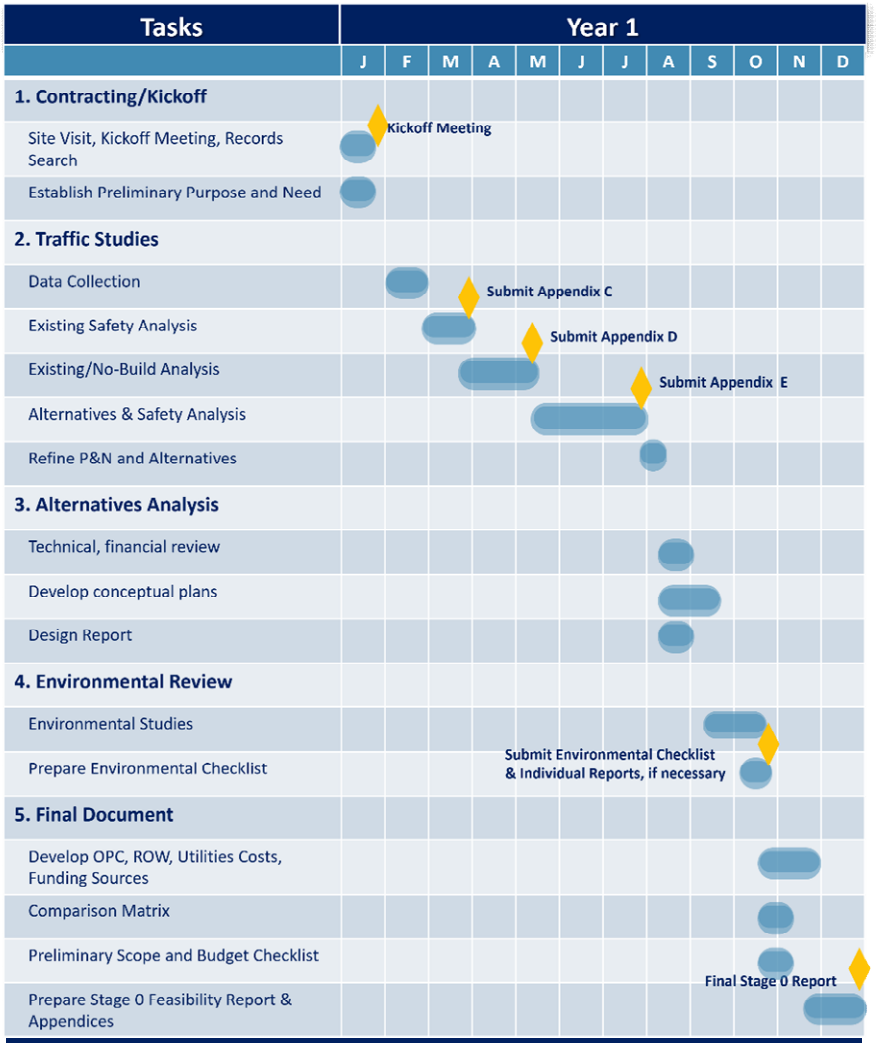
- Determine the practical feasibility of project concepts, considering technical, environmental, and financial aspects of the project
- Develop typical sections, geometrics, conceptual plans
- Refine LADOTD Design Report

4. Environmental Review

- Perform required environmental reviews including wetlands, cultural, social, land use, radius reports, community facilities, Section 4(f), T&E species, streams, hazardous materials, etc.
- Develop LADOTD Environmental Checklist

5. Engineering Planning, Constructability Review, Final Document

- Develop opinion of probable costs, right of way, utilities
- Complete a comparison matrix of alternatives
- Finalize Preliminary Scope and Budget Checklist
- Identify funding sources
- Prepare and submit preliminary and final Stage 0 Feasibility Study Report and Appendices

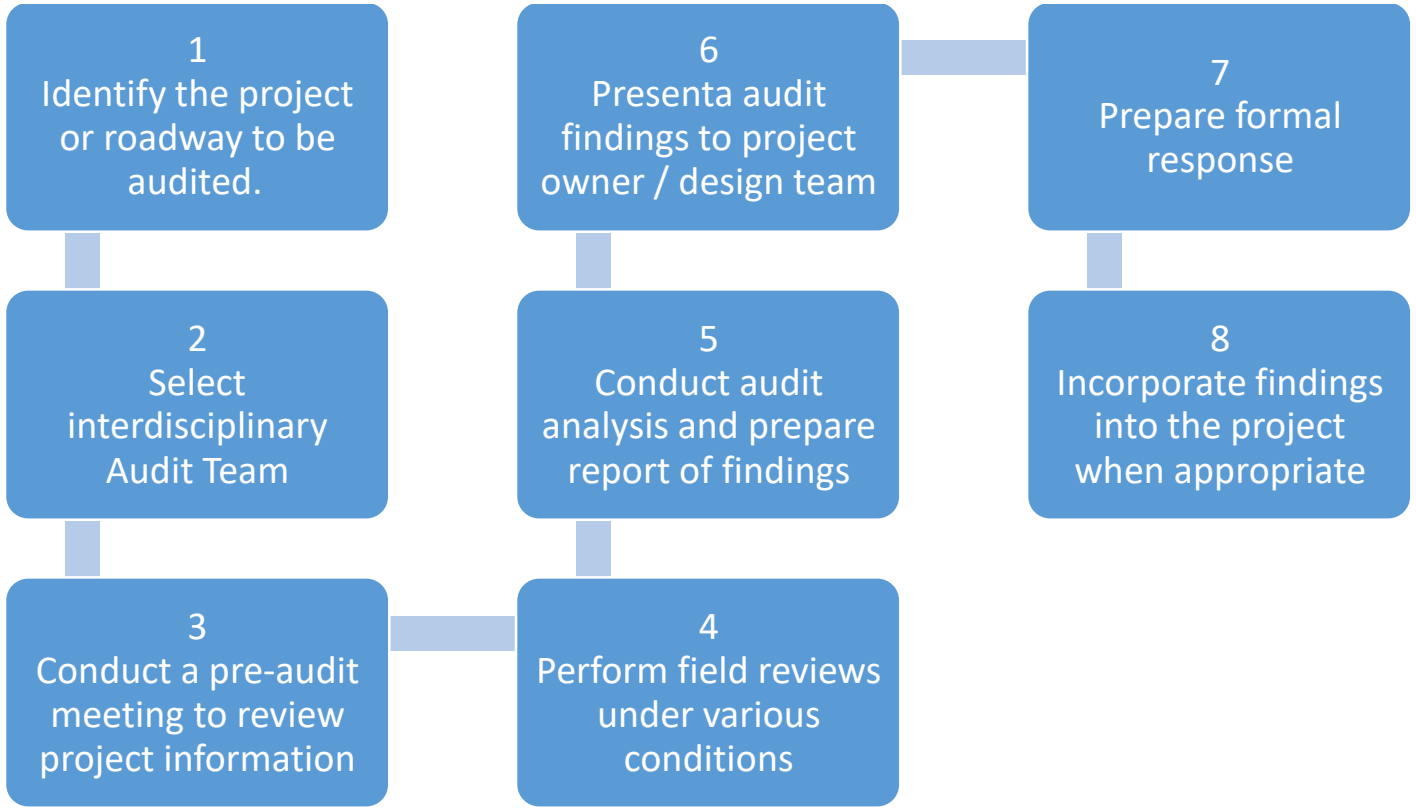


A schedule for a conceptual safety corridor feasibility study is provided above. Fenstermaker understands that projects may vary in scope and size, and this schedule is only conceptual for a typical project.

Task 2.0 Road Safety Assessments This task includes facilitating, conducting, and preparing RSA's. Road Safety Audits (RSAs) are formal assessments of the safety performance of an existing or planned roadway segment or intersection. Typically, RSAs are carried out by a multidisciplinary team that usually consists of representatives from local law enforcement, road safety education, road/traffic engineering, emergency medical response, and an expert in human factors. A Road Safety Assessment aims to answer the following questions:

- What elements of the roadway may present a safety concern? To what extent is this a concern? For what roadway users? Under what circumstances?
- What opportunities exist to eliminate or mitigate the safety concern?

RSAs are great tools, especially in the planning process. RSAs can often result in designs that reduce crashes (occurrences and severity), save money by correcting problems prior to construction, promote safety awareness and consideration in design, and integrate multimodal safety. RSAs typically follow an 8-step process as illustrated below:

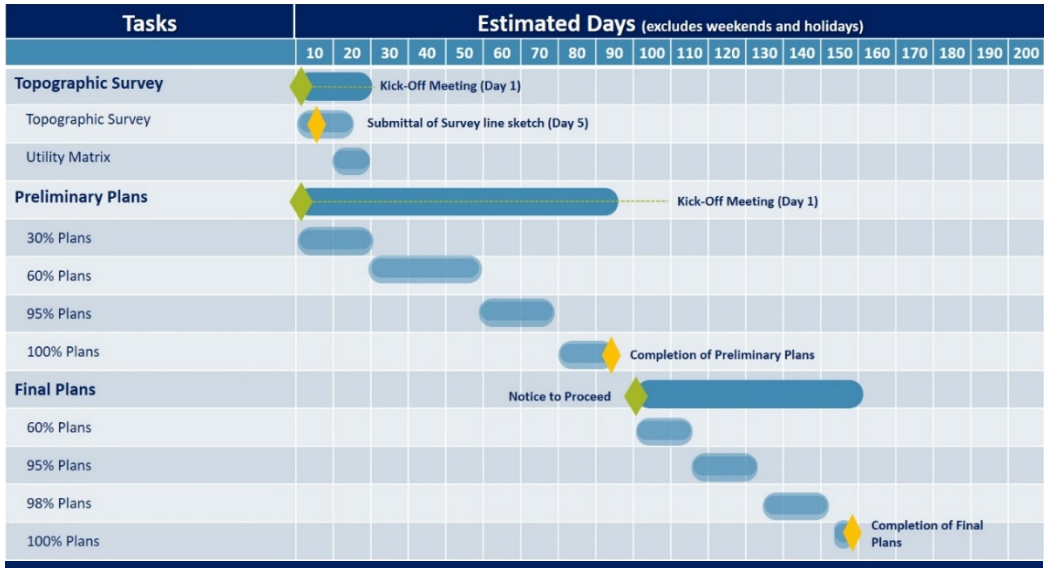


Task 3.0 Development of Plans, Specifications, and Engineers Estimate for Low-Cost Safety Improvements

This task includes preparing preliminary and final plans, specifications and costs for low-cost safety improvements as identified by a RSA, Stage 0 Study, or other locations as identified by LADOTD. A standard project will follow the typical LADOTD process., if necessary. Plans will be developed in accordance with the LADOTD Road Design Manual, Bridge Design Manual, Hydraulics Manual, Location and Survey Manual, EDSMS, Pavement Preservation Manual, and other federal, state, and local guidelines.

As each task order will contain its own unique scope of services and project challenges, Fenstermaker will approach each project using a basic step by step approach that should follow the order displayed to the right to minimize project "re-work." Stage 3 will result in approved signed final plans and an opinion of probable costs, ready for letting through the LADOTD process. Submittals include 30% preliminary plans, 60% preliminary plans, 95% preliminary plans, 100% preliminary plans, 60% final plans, 95% final plans (ACP), 98% final plans, and 100% final plans.

1. Obtain basic corridor information through LADOTD inventory system (i.e., control section, log mile, drainage type, etc.), site visits, design guidelines, kickoff meeting
2. Establish existing right of way and topography
3. Establish need to perform traffic and safety analyses to determine cause of perceived problem and follow current LADOTD TEPR to determine solutions
4. Establish typical sections, alignments, utilities, ROW, drainage, etc.
5. Develop corridor models to determine conflicts with existing infrastructure
6. Determine if design exceptions/waivers are needed and justifiable
7. Progress design components (i.e., drainage, sequence of construction, quantities, signing/striping, etc.) in the order and magnitude needed for each of LADOTD's plan production milestone (i.e., 30% preliminary plans, 60% preliminary plans, etc.)
8. Prepare required reporting documents (i.e., plan review checklist, constructability review, plan in hand, etc.)



A schedule for a conceptual low-cost safety project is provided above. Fenstermaker understands that projects may vary in scope and size, and this schedule is only conceptual for a typical project.

Task 4.0 Safety Effectiveness Evaluation

This task includes performing safety effectiveness evaluations in accordance with the HSM. The goal of a Safety Effectiveness Evaluation is to study the results of the safety project by performing a before-and-after study. The Safety Effectiveness Evaluation should reveal how well the countermeasure(s) that were implemented in the project are performing. A standard Safety Effectiveness Evaluation should:

1. Validate that a countermeasure is performing as expected.
2. Produce CMFs for future projects.
3. Apply proactive corrective action as a project risk mitigation strategy.

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)	Past Performance Evaluation Discipline(s) *	State project number	Project name	Remaining Unpaid Balance**
C. H. Fenstermaker & Associates, L.L.C.	Data Collection, Planning, Survey	Contract No. 4417090	IDIQ Contract for Louisiana Watershed Initiative (LWI) Region 4 (Task Order No. 2) Acadia, Allen, Beauregard, Calcasieu, Cameron, Sabine, and Vernon Parishes, LA	$3,680,898
	Survey	Contract No. 4400017091	IDIQ Contract for Louisiana Watershed Initiative (LWI) Region 5 (Task Order No. 2)	$92,487
	Survey	Contract No. 4400017092	IDIQ Contract for Louisiana Watershed Initiative (LWI) Region 6 (Task Order No. 2)	$528,282
	Survey	Contract No. 400017092	IDIQ Contract for Louisiana Watershed Initiative (LWI) Region 6 (Task Order No. 3)	$1,051,210
	Road	H.0011235	I-49 South @ Verot School Road Lafayette Parish, LA	$62,715
	Road	Contract No. 4400020016 S.P. No. H.011833.5	St. Mary Street Sidewalks Lafayette Parish, LA	$129,979

	Data Collection, Planning	Contract Nos. 4400020960 and 4400020961	IDIQ Contracts for National Flood Insurance Program (NFIP) and The Cooperating Technical Partnership (CTP) Program Statewide (Task Order No. 1)	$20,000

(Add rows as needed) DO NOT SUM

* The past performance evaluation disciplines to be used are: Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other. 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. LEAVING THE "REMAINING UNPAID BALANCE" COLUMN BLANK IS NOT ACCEPTABLE.

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

The following engineering staff have completed the three (3) modules of the Traffic Engineering Process and Report Course with the Louisiana Transportation Research Center (LTRC). Copies of the training certificates are attached.

Aimee Latiolais, P.E.
Bliss Bernard, P.E.
Dax Douet, P.E.
Diane Hammonds, P.E., PTOE
Kimberly McDaniel, M.S., P.E., PTOE
Shalin Townsend, P.E.

Certificate of Completion

presented to

Aimee Latiolais

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: October 7, 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

Aimee Latiolais

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: October 7, 2020
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3.5

Authorized Instructor

Authorized Instructor

Authorized instructor

Certificate of Completion

presented to

Aimee Latiolais

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: October 8, 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

Bliss Bernard

for completing the

Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 2.5

Authorized Instructor | *Authorized Instructor* | *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Bliss Bernard

for completing the

Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 3.5

Authorized Instructor | *Authorized Instructor* | *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Bliss Bernard

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3.5

Authorized Instructor | *Authorized Instructor* | *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Dax Douet

for completing the

Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 2.5

Authorized Instructor | *Authorized Instructor* | *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Dax Douet

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: October 10, 2018
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

Dax Douet

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Diane Hammonds

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

Diane Hammonds

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

Diane Hammonds

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

Certificate of Completion

presented to

Kimberly McDaniel

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

Kimberly McDaniel

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

Kimberly McDaniel

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

Shalin Townsend

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

Shalin Townsend

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

Shalin Townsend

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 and/or Work Plan:**

If the advertisement requires submission of a QA/QC plan or Work plan, include them here. Otherwise, leave this section blank.

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 (as registered with Louisiana's Secretary of State)	**Address**	**Point of Contact and email address**	**Phone Number**

(Add rows as needed)

23. **Location:**

If location is an evaluation criterion for this advertisement and the prime consultant intends to establish a local presence, describe the plan for doing so. Otherwise, leave this section blank.

C. H. Fenstermaker & Associates, L.L.C.