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SOQ 24-021 Routine Engineering Services for Streets Projects
Jefferson Parish Government

Project documents obtained from www.CentralBidding.com

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Technical Evaluation Committee (TEC) Questionnaire

Instructions

- The Technical Evaluation Committee (TEC) Questionnaire shall be used for professional services related to architecture, engineering, or survey projects.
- **The TEC Questionnaire should be completely filled out. Complete and attach ALL sections. Insert “N/A” or “None” if a section does not apply or if there is no information to provide.**
- Questionnaire must be signed by an authorized representative of the Firm. Failure to sign the questionnaire shall result in disqualification of proposer pursuant to J.P. Code of Ordinances Sec. 2-928.
- All subcontractors must be listed in the appropriate section of the Questionnaire. Each subcontractor must provide a complete copy of the TEC Questionnaire, applicable licenses, and any other information required by the advertisement. Failure to provide the subcontractors' complete questionnaire(s), applicable licenses, and any other information required by the advertisement shall result in disqualification of proposer pursuant to J.P. Code of Ordinances Sec. 2-928.
- If additional pages are needed, attach them to the questionnaire and include all applicable information that is required by the questionnaire.

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

SOQ 24-021 - Routine Engineering Services for Streets Projects
Jefferson Parish Government, Resolution No. 144319

B. Firm Name & Address:

Gresham Smith 10000 Perkins Rowe
Suite 280
Baton Rouge, LA 70810

C. Name, title and contact information of Principal, as defined in Section 2-926 of the Jefferson Parish Code of Ordinances, who is a registered, licensed architect, professional engineer, or surveyor in the State of Louisiana:

Herbert "Bert" Moore, II, P.E., PLS, PTOE
State Transportation Leader - Louisiana
bert.moore@greshamsmith.com
225.282.2101

D. Name and contact information of employee who is a registered and licensed architect, professional engineer, or surveyor in the State of Louisiana in the applicable discipline. A subcontractor may be substituted here only if the advertised Project requires more than one discipline.

Herbert "Bert" Moore, II, P.E., PLS, PTOE
State Transportation Leader - Louisiana
bert.moore@greshamsmith.com
225.282.2101

E. Please provide the number of employees whose primary function corresponds with each category:

<u>2</u> Administrative	<u> </u> Estimators	<u> </u> Specification Writers
<u> </u> Architects (Licensed)	<u> </u> Geologists	<u>1</u> Structural Engineers
<u> </u> Chemical Engineers	<u> </u> Geotechnical Engineers	<u> </u> Graduate Engineers
<u>6</u> Civil Engineers	<u> </u> Interior Designers	<u>1</u> Project Managers
<u>2</u> Construction Inspectors	<u> </u> Landscape Architects	<u> </u> Clerical
<u> </u> Ecologists	<u> </u> Land Surveyor	<u> </u> Grant/Funding Specialist
<u>2</u> Electrical Engineers	<u> </u> Mechanical Engineers	<u> </u> Sanitary Engineers
<u>4</u> Engineer Intern	<u> </u> Environmental Engineers	
<u> </u> Professional Land Surveyors		<u>18</u> TOTAL

F. Is this submittal by a JOINT-VENTURE? Please check: YES NO

If marked "No" skip to Section I. If marked "yes" complete Sections G-H.

TEC Professional Services Questionnaire

G. If submittal is by JOINT-VENTURE, list the firms participating and outline specific areas of responsibility (including administrative, technical, and financial) for each firm. Please attach additional pages if necessary.

1.

2.

H. Has this JOINT-VENTURE previously worked together? Please check:
YES NO

I. List all subcontractors anticipated for this Project. Please note that all subcontractors must submit a fully completed copy of this questionnaire, applicable licenses, and any other information required by the advertisement. See Jefferson Parish Code of Ordinances, Sec. 2-928(a)(3). Please attach additional pages if necessary.

Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
1.		
2.		
3.		

J. Please specify the total number of support personnel that may assist in the completion of this Project:

TEC Professional Services Questionnaire

K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the Firm's key persons that may assist in the completion of this Project. Please attach additional pages if necessary.

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Herbert "Bert" Moore, II, P.E., PLS, PTOE
State Transportation Leader - Louisiana

Project Assignment:

Professional In Charge Of Project / Project Executive / Traffic Engineering Lead

Name of Firm with which associated:

Gresham Smith

Years' experience with this Firm:

10

Education: Degree(s)/Year/Specialization:

Bachelor of Science/1999/Civil Engineering Minor in Land Surveying

Active registration: Year first registered/discipline:

PE.0031065 / LA / 2004 / Civil
Engineer PTOE 2728 / 2009
PLS 5043 / LA / 2010

Other experience and qualifications relevant to the proposed Project:

Bert is a professional engineer with 25 years of experience designing and managing projects in the fields of traffic and transportation engineering. Prior to joining Gresham Smith, Bert spent six years serving as the District Traffic Operations Engineer (DTOE) for the Louisiana Department of Transportation and Development (LADOTD) where he was responsible for the daily maintenance and operation of signs, striping and traffic equipment for 2,000 miles of roadway and over 600 traffic signals in the Department's Baton Rouge region. Bert also has experience designing for non-vehicular traffic such as bicyclists and pedestrians and making accommodations within ROW and at intersections. He has recently completed bicycle and pedestrian master plans for both the City of Denham Springs and the City of Baker. Bert has his Professional Traffic Operations Engineer (PTOE) certification and has completed both the ATSSA Traffic Control Training and all 3 modules of LADOTD's Traffic Engineering Process and Report Training. See attached resume.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title: Rebecca Murray, P.E., PTOE, RSP1
Project Assignment: Traffic Engineer
Name of Firm with which associated: Gresham Smith
Years' experience with this Firm: 9
Education: Degree(s)/Year/Specialization: Bachelor of Science / 2015 / Civil Engineering
Active registration: Year first registered/discipline: PE.0043788 / LA / 2019 / Civil Engineer PTOE 4861 / 2020 / PTOE RSP1 611 / 2021 / RSP1
Other experience and qualifications relevant to the proposed Project: Rebecca has worked in various roles and responsibilities on a variety of projects including interchange and corridor studies, traffic signal design plans, Adaptive Traffic Signal Control (ATSC) plans, traffic impact studies, and traffic modeling as well as feasibility and concept studies. Her responsibilities for these projects include reviewing traffic volumes and crash data to develop traffic models, develop proposed alternatives and perform analysis on the alternatives. She has experience modeling existing and proposed roadway networks in analysis software such as Synchro, Sidra, HCS, and VISSIM. Rebecca has completed the ATSSA Traffic Control Training and all 3 modules of LADOTD's Traffic Engineering Process and Report Training. See attached resume.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title: Richard Savoie, P.E.
Project Assignment: Project Manager
Name of Firm with which associated: Gresham Smith
Years' experience with this Firm: 6
Education: Degree(s)/Year/Specialization: Bachelor of Science / 1978 / Civil Engineering, McNeese State University
Active registration: Year first registered/discipline: P.E.0020936 / 1983 / Civil Engineer
Other experience and qualifications relevant to the proposed Project: <p>Richard has a wealth of experience with the LADOTD with increasing roles culminating as the LADOTD Deputy Chief Engineer and Chief Engineer. He spent 26 years in the LADOTD Road Design section where he supervised employees designing roadway projects and also supervised consultants designing roadway projects for the department. As Chief Engineer, Richard was responsible for establishing engineering directives and standards, policies, budgets, expenditures, programs and procedures that guided project and program delivery, construction, and preservation of transportation projects and systems. See attached resume.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title: Brennon Hughes, P.E.
Project Assignment: Roadway Designer
Name of Firm with which associated: Gresham Smith
Years' experience with this Firm: 7
Education: Degree(s)/Year/Specialization: Bachelor of Science / 2011 / Civil Engineer, Louisiana State University
Active registration: Year first registered/discipline: P.E.0039985 / 2015 / Civil Engineer
Other experience and qualifications relevant to the proposed Project: Brennon is a professional engineer with over 13 years of experience in the design in management of roadway projects. He joined Gresham Smith after six years at the Louisiana Department of Transportation and Development, including over five years working in the road design section. During his time at DOTD, Brennon gained experience as a designer on a number of different types of projects, varying in size and scope, including roadway widenings, roundabouts, turn lane additions, and new alignment roadways. Since joining Gresham Smith, Brennon has built upon this foundation in design by serving in a project management role for several projects and retainer contracts. He now leads the roadway group in the Gresham Smith – Baton Rouge office. See attached resume.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title: Ronnie Robinson, P.E.
Project Assignment: Senior Transportation Engineer
Name of Firm with which associated: Gresham Smith
Years' experience with this Firm: 8
Education: Degree(s)/Year/Specialization: Bachelor of Science / 1982 / Civil Engineering, Louisiana State University
Active registration: Year first registered/discipline: P.E.0024040 / 1998 / Civil
Other experience and qualifications relevant to the proposed Project: Ronnie has 33 years of experience with the Louisiana Department of Transportation and Development. He worked 11 of his 16 years in construction as a project engineer, eight years as manager of the design and permit sections and nine years as administrator for the design, water resources, permit and materials testing sections. See attached resume.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Alben Cooper III, P.E., PTOE
Project Assignment:
Traffic Engineer
Name of Firm with which associated:
Gresham Smith
Years' experience with this Firm:
1
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 2006 / Civil Engineering
Active registration: Year first registered/discipline:
PTOE 3206 / 2012 PE.0036291 / LA / 2011 / Civil Engineer
Other experience and qualifications relevant to the proposed Project:
With over 15 years of experience in transportation engineering, Alben is a Professional Traffic Operations Engineer (PTOE), and a licensed Professional Engineer (P.E.) in Louisiana, Mississippi, Alabama, and Texas. He has been the project manager/engineer on a variety of transportation projects including: safety studies, feasibility studies, signal design and timing of coordinated systems, geometric design, striping and signage design, traffic impact analysis, and transportation management plans. He has been the lead engineer for multiple Stage 0 Feasibility Studies and Environmental Assessments throughout Louisiana. He has also performed studies for intersection/corridor operation and safety improvements including pedestrian facility upgrades. Alben has managed and provided construction administration services for temporary and permanent traffic signal design using the LADOTD TSI format, geometric design, and striping and signage design. He has developed/managed sequence of construction and traffic control device plans for large construction projects. Alben has experience using various analysis programs including Synchro, Highway Capacity Software (HCS), and SIDRA Intersection. He has completed all 3 modules of LADOTD's Traffic Engineering Process and Report Training. See attached resume.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title: Zillah Zoleta, EI
Project Assignment: Engineer-In-Training
Name of Firm with which associated: Gresham Smith
Years' experience with this Firm: 2
Education: Degree(s)/Year/Specialization: Bachelor of Science / 2022 / Civil Engineering, Louisiana State University
Active registration: Year first registered/discipline: EI.0035238 / 2023 / Civil
Other experience and qualifications relevant to the proposed Project: Zillah joined Gresham Smith as a student intern and then full time as an engineer intern in 2022 upon graduating from Louisiana State University. She has worked on a variety of projects including intersection improvements, signing and striping projects, sidewalk and multi-use path designs, and corridor enhancements. Her responsibilities for these projects include plan development, modeling, quantity calculations, and generating construction cost estimates. She has experience in several design programs including Auto-Turn, MicroStation and Inroads, and Open Roads Designer. Zillah has completed the ATSSA Traffic Control Training and all 3 modules of LADOTD's Traffic Engineering Process and Report Training.

TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.

PROJECT NO. 1

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
US 61 Superstreet (Lowes Ave to LA 44) Gonzales, LA Jackie Bauman 225.647.9589 jackie@gonzalesla.com	Gresham Smith is currently performing the design to convert this section of US 61 to a Superstreet. This design will remove all of the uncontrolled median breaks and replace them with directional median U-Turn or J-Turn with exclusive turn lanes. These JTurns will be controlled by a 2 phased traffic signal which will only stop one direction of US 61 so that the U-Turns can be made. Additionally, the existing signalized intersection of US 61 at Lowes and US 61 at LA 44 will be converted to Restricted Crossing U-Turns (RCUTs).	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
08/25 (Estimated)	\$435k	\$320k

PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Hooper Road at Sullivan Road Roundabout Design Central, Louisiana Toby Picard, P.E., Project Manager 225.379.1302 toby.picard@la.gov	This project was originally designed as an intersection improvement project to an additional left and right turn lanes at the intersection of Hooper Road (LA 408) at Sullivan Road (LA 3034) and tying those routes back into other projects that would widen the adjacent portions of both Hooper Road and Sullivan Road. Due to the anticipated future traffic volumes, it was determined that a multi-lane roundabout would be more efficient and have a longer service life than the planned traditional signalized intersection. Gresham Smith was selected to design the multi-lane roundabout at the intersection of Hooper Road at Sullivan Road. The intersection contains some major constraints which include a historic building in the Northeast quadrant of the intersection and a gas station in the Southwest quadrant of the intersection. The roundabout must accommodate both pedestrians and bicyclists as well as multiple approach lanes and free flow right turn lanes at select approach legs as required by LADOTD's conceptual traffic design to accommodate future projected traffic volumes.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
08/2022 (Actual)	\$145,000	\$145,000

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
MSY - Task 4: Entrance Road Capacity Kenner, LA Kenny Boyd 303.641.9729 ksboyd@burnsmcd.com	Executed under a general engineering contract, Gresham Smith is currently providing design and project management for the City of New Orleans to widen the main exit road at Louis Armstrong New Orleans International Airport (MSY) from 2 lanes to 3 lanes. The project includes widening of approximately 1/4-mile of roadway, extending the roundabout slip lane exit from the roundabout and tying into the design-build flyover project currently under construction (S.P. H.011670). The completed widened road will connect the design-build freeway operated by LADOTD to the existing roundabout on the airport property, improving the flow of traffic from MSY.	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
04/2022 (Actual)	\$180,500	\$180,500

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
SRTS/LRSP Task Order #6 and #21: Endom Bridge West Monroe, Louisiana Laura Riggs 225.379.1143 laura.riggs@la.gov	As part of LADOTD's Safe Routes to Schools (SRTS) retainer contract, Gresham Smith was tasked to develop operational and safety improvements at the west approach to the Endom Bridge located in West Monroe, Ouachita Parish. After a technical review of this intersection, Gresham Smith was selected to perform engineering and related services to prepare preliminary and final plans for proposed safety and operational improvements to the intersection of Coleman Avenue with North and South Riverfront Streets at the Endom Bridge approach. The purpose of the improvements are to realign the Coleman Avenue approach to the Endom Bridge to improve intersection sight distance and safety for pedestrians and vehicles. This project will include pedestrian facilities including walking paths along the Endom Bridge and the Ouachita River.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
12/2020 (Actual)	\$251,000	\$222,000

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
LRSP McMillan at Blanchard Traffic Study & Design West Monroe, Louisiana Laura Riggs 225.379.1143 laura.riggs@la.gov	The objectives of the study were to analyze the existing traffic conditions at the intersection and develop design concepts that would improve the safety and efficiency of the intersection for both pedestrians and vehicles. Following acceptance of the study, LADOTD contracted with Gresham Smith to prepare topographic survey, preliminary and final design plans, specifications and opinions of estimated construction costs for improvements recommended in the traffic study Gresham Smith previously performed.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
6/2019 (Actual)	\$133,000	\$133,000

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
SRTS/LRSP Task Order 14: Farmerville Sidewalk Design Union Parish, Louisiana Mark Morvant 225.379.1205 mark.morvant@la.gov	LADOTD contracted with Gresham Smith to prepare design plans for sidewalks and other safety enhancements along Martin Luther King, Jr. Drive and in the vicinity of the Library in Farmerville, Louisiana. The purpose of this project is to improve access to the library and other public buildings to provide a safe way to walk to these locations. The scope of this project is to develop design plans that will remove existing sidewalks that are in poor condition and the installation of new concrete sidewalks from the Union Parish Library to the Union Parish Junior High School and the Union Parish High School. This project connects to major areas of commerce, governmental buildings including the Town Hall and the Union Parish Courthouse, library, shopping, restaurants, etc. This project will connect this portion of town to an existing project that the Town of Farmerville is currently designing to enhance the appearance of the downtown area adding accessible walkways with lighting that will make the downtown area more attractive for visitors and residents as well as making more areas available for walking for health. This project includes topographic survey, preliminary and final design plans, and construction cost estimates for over 4,000 linear feet of new sidewalks.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
10/2019 (Actual)	\$157,000	\$113,000

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
LA 37 (Sullivan to Liberty Road) Stage 0 Central, Louisiana Hong Zhang 225.379.1421 hong.zhang@la.gov	Gresham Smith was selected as part of a team to perform the traffic study portion of the LA 37 study in Central, Louisiana. The goal of this traffic study is to collect data along the corridor, determine growth rates for traffic volumes, perform safety and capacity analysis of existing and future traffic volumes and develop alternatives for improved capacity and safety along the corridor. The corridor in question is over 8 miles in length with varying roadway sections and widths. The majority of the corridor is a two lane asphalt roadway that carries over 16,000 ADT with no shoulders and an open ditch. During the peak hours a portion of LA 37 within the study area operates near capacity with commuters traveling the route from Livingston Parish to Baton Rouge. The corridor contains four signalized intersections and a number of driveways and local street intersections that are stop controlled on the minor approaches. In addition, there are four intersections with other state routes. Gresham Smith performed the analysis for Existing, Future No Build and Future Build Alternatives. Crash reports were reviewed and evaluated using the LADOTD safety triage and the safety tool box.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
7/2022 (Estimated)	\$207,000	\$137,000

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
LADOTD, SRTS/LRSP Task Order #2 Bonner Street Design Ruston, LA Mark Morvant 225.379.1205 mark.morvant@la.gov	Gresham Smith was tasked with developing pedestrian safety enhancements at two intersection on either side of the Bonner Street Bridge in Ruston, LA. A feasibility report was originally completed in August 2019, outlining the engineering scope of work, engineering deliverables, project schedule, and estimated design and construction costs. This ultimately led to a task order under our current SRTPPP retainer contract in the Fall of 2021. This project will provide safety enhancements for pedestrians at the E Railroad Ave/Bonner St and E Park Ave/Bonner St intersections. The project location is in downtown Ruston, LA and there are several pedestrian traffic generators in the area, including multiple restaurants and retail shops. Bonner Street is especially wide at these locations at approximately 50' from curb to curb. Due to the steep grade of the Bonner Street Bridge, vehicles crossing the bridge are unable to see the pedestrians crossing the road on the other side. This project will provide curb extensions at the intersections to facilitate lower vehicle speeds and to reduce the crossing distance for pedestrians. Additionally, pedestrian push buttons will be installed at the crossing locations which will activate flashing beacons at the top of the bridge to alert approaching motorists that pedestrians are crossing. This project also contains pedestrian lighting design to be added to the existing ped facilities on both sides of the Bonner Street Bridge. Gresham Smith's responsibilities are to oversee the topographic survey, coordinate with the local municipality, develop preliminary and final design plans, specifications, and construction cost estimates.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
09/2024 (Estimated)	\$187,000	\$177,000

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
MovEBR-Plank Road Corridor Enhancement Baton Rouge, Louisiana Thomas Stephens, P.E. 225.389.3186 tstephens@brla.gov	The purpose of this project is to improve the safety and mobility of both the vehicular and non-vehicular traffic through the Plank Road corridor from Dawson Drive to Harding Blvd. The roadway configuration may be revised to accommodate existing and projected vehicular and bicycle volumes and the traffic signals along the corridor will be upgraded to current technologies that can accommodate connected vehicle technology and transit priority operations. This project was a small portion of a larger corridor improvement project along Plank Road. Plank Road (LA 67) is a major arterial highway which provides a critical connection from the northern portion of East Baton Rouge Parish and the cities of Zachary, Central and Baker to the Baton Rouge Airport, the main Capitol Area Transit System (CATS) terminal, the Greyhound Bus Station and downtown Baton Rouge. There are current plans for a CATS park and ride location further north on Plank Road in Baker, LA. Within this project, the Plank Road corridor will be revitalized.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
-6/2023 (Actual)	\$315,000	\$140,000

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
LADOTD, LRSP Task Orders #8, West Feliciana Signing & Striping West Feliciana Parish, Louisiana Mark Morvant 225.379.1205 mark.morvant@la.gov	As part of Local Road Safety Program (LRSP) / Safe Routes to Schools (SRTS) retainer contract, Gresham Smith was tasked to investigate safety issues on 10 local routes in West Feliciana Parish and to develop recommendations for signing and striping of curves along the roadways, based on ball bank analysis. Gresham Smith was also requested to perform field inspections on 15 off-system bridges, including timber, rail car, and concrete structures. The study recommended barrier improvements for the timber and steel bridge railings to meet current MASH standards.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
4/2019 (Actual)	\$66,000	\$66,000

TEC Professional Services Questionnaire

PROJECT NO. 11		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Jefferson Parish, Train Detection System (TDS) Jefferson and Orleans Parishes, LA Angela DeSoto, PE adesoto@jeffparish.net 504.736.6511	Prime Consultant responsible for entire contract. Gresham Smith was selected to implement the Train Detection System (TDS) to solve a long-standing problem of providing advance notice to drivers that a train was approaching or blocking the grade crossing at Metairie Road. Gresham Smith is tasked with coordination for device procurement and installation, implementation of the TDS application, testing, routine maintenance and data management. The implementation of the TDS application includes server configuration and software customization.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
12/2021 (Actual)	\$164,000	\$164,000

PROJECT NO. 12		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

TEC Professional Services Questionnaire

M. List all prior and/or on-going litigation between Firm and Jefferson Parish. Please attach additional pages if necessary.

Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1.	None	None
2.		
3.		
4.		

N. Use this space to provide any additional information or description of resources supporting Firm's qualifications for the proposed project.

Gresham Smith is committed to staying on the cutting edge of roadway design, and our portfolio of innovative, award-winning projects speaks to that commitment. Our wide-ranging roadway design experience includes interstate highways and interchanges, complex urban highway widening and reconstruction, new highways in suburban and rural areas, and innovative intersection improvements. Our focus is on practical designs for each situation including advanced and cost-effective results, and our experience uniquely qualifies us to consider a complete array of design solutions. Additionally, our sustainable designs provide environmentally responsible solutions that represent measurable added value to clients, enhanced quality of life and improved public image.

At Gresham Smith, our team of professional engineers, planners and integration experts understand the intricacies of publicly-funded transportation projects and deliver quality planning, design, operations and construction management services for federal, state and local projects. Understanding the relationships between all of these phases and operational roles enables us to produce cost-effective solutions that meet our client's specific requirements. Our versatility, grounded in our proven combination of creativity, resources and technical expertise, allows us to deliver a broad diversity of services and projects. We deliver an unparalleled diversity and depth of resources rivaling those of much larger national firms, but we retain the dedicated, personalized service and responsiveness of a smaller, local firm. Our core philosophy for the past 54 years remains the same: Focus on the Success of our Clients.

O. To the best of my knowledge, the foregoing is an accurate statement of facts.

Signature:  Print Name: Herbert "Bert" Moore, II
 Title: State Transportation Leader - Louisiana Date: 7/16/2024



Herbert “Bert” Moore II,

P.E., PLS, PTOE

Professional In Charge Of Project / Project Executive / Traffic Engineering Lead

Bert is a professional engineer with more than 26 years of experience designing and managing projects in the fields of traffic and transportation engineering.

Prior to leading the practice for Gresham Smith in Louisiana, he previously spent six years as the District Traffic Operations Engineer (DTOE) for LADOTD District 61 where he was responsible for the daily maintenance and operation of signs, striping and traffic equipment for 2,000 miles of roadway and over 600 traffic signals in the department’s Baton Rouge region. He was responsible for conducting various types of traffic studies (impact studies for new development, traffic signal warrants studies for new traffic signals, sight distance studies for no passing zones or intersection improvements, capacity studies for improvements). His experience is in traffic operations, traffic control, traffic signal timing and design, safety studies, traffic impact studies, the implementation of access management principles, and temporary traffic control through work zones. He is also experienced with incident management, evacuation for natural disasters, and traffic signal preemption in regard to railroad and emergency. He was responsible for review of traffic signal construction plans for both construction projects and permits for new traffic signals and upgrades of existing traffic signals with his region. He was also responsible for development, review and approval of Transportation Management Plans within his region.

Prior to working for LADOTD, Bert spent 10 years as a traffic engineer for a local consultant firm. Bert designed construction plans for roadway and intersection improvements, traffic signals for both isolated intersections and interconnected corridors and performed various types of traffic studies (impact, traffic signal, capacity improvements) including traffic impact studies for commercial, industrial, retail and residential developments and traffic modeling.

Bert has completed the ATSSA Supervisor Traffic Control Training and all 3 modules of LADOTD’s Traffic Engineering Process and Report Training.

Years of Experience

26

Education

Bachelor of Science, Civil Engineering,
Louisiana State University

Registration

Professional Engineer: LA.0031065, TN, SC
PTOE: 2728
PLS: 5043

Certifications

ATSSA Supervisor Traffic Control Training

Memberships/Affiliations

Intelligent Transportation Society – Gulf Region (GRITS)
Institute of Transportation Engineers (ITE)

Relevant Experience

LADOTD, Farmerville State and Local Road Traffic Study, Farmerville, LA | *Project Executive*

Gresham Smith was selected to perform a formal traffic study of all the intersections (57) within and around the City of Farmerville on both state and local routes. The project included data collection, safety/crash review, developing alternatives, analysis of existing and proposed conditions and benefit/cost analysis. Gresham Smith held a public meeting with local elected officials and met with many local agencies during the process to discuss the scope of the study, the results and possible alternatives. Bert was responsible for the overall study and led meetings with local officials and agencies.

Louisiana Department of Transportation and Development (LADOTD), SRTS/LRSP: McMillan at Blanchard Traffic Study and Design, West Monroe, LA | *Project Executive*

Bert was responsible for working with both LADOTD and the City of West Monroe. He provided oversight of the data collection and peak hour field observations, analyzing the traffic counts to determine appropriate lane configuration and geometry, design of the traffic signal, signing and striping, layout of the ADA facilities, and support and coordination of overall design.

Herbert “Bert” Moore II, P.E., PLS, PTOE

Professional In Charge Of Project / Project Executive / Traffic Engineering Lead

LADOTD, LA 37: Sullivan Road to Liberty Road Stage 0 Feasibility Study, Baton Rouge, LA | Project Executive

Gresham Smith collected and reviewed over 580 crash reports over a span of three years from the state highway crash database and collected ADT data on 21 segments of LA 37 and intersecting streets, peak hour turning movement counts at 12 significant intersections and 15-minute counts along 38 driveways and insignificant side streets. Crash reports were reviewed and evaluated using the LADOTD safety triage and the safety tool box. Traffic analysis will be performed using mainly HCS and Synchro and other software tools as needed. Gresham Smith reviewed historic traffic volumes counts and TransCAD models and performed an extensive count analyses to develop regional growth rates for the study area. Bert was the supervising professional who was responsible for the traffic and safety portions of the study.

LADOTD, SRTS/LRSP Task Order 6: Endom Bridge Preliminary and Final Design, West Monroe, LA | Project Executive

Bert was responsible for overseeing the data collection, analyzing the traffic counts to determine appropriate lane configuration and geometry, and support and coordination of overall design.

LADOTD, US 171 MLK Boulevard Traffic Study, Lake Charles, LA | Project Executive

Gresham Smith was selected to develop a calibrated VISSIM model to model existing conditions and the future no build conditions along US 171 in Lake Charles, LA. Alternative improvements were recommended and modeled to determine the best solutions to improve the corridor. The project included data collection, development of growth rates, developing and calibrating an existing VISSIM model and evaluation and development of alternatives. Bert was responsible for the overall study, including overseeing the data collection review, conducting the safety analysis, development of VISSIM models, development of alternative improvements and development of project report.

LADOTD, I-210 at LA 1138-2 (Nelson Road) Interchange Modification Re-Evaluation Study, Lake Charles, LA | Project Executive

Gresham Smith was selected to develop a calibrated VISSIM model to model existing conditions and the

future proposed diverging diamond interchange at I-210 at Nelson Road in order to evaluate the proposed interchange design. The project included data collection, development of growth rates, conduct a road safety audit, developing and calibrating an existing VISSIM model and evaluation of the proposed alternative. Bert was responsible for the overall study, overseeing data collection, conducting safety analysis, development of VISSIM models, development of alternatives and development of the report.

LADOTD, LCG Adaptive Traffic Signal System, Lafayette, LA | Project Executive

Gresham Smith was selected to develop an Adaptive Traffic Signal network for the Lafayette Consolidated Government, which involved upgrading 190 traffic signal controllers. In addition, 78 traffic signals will be upgraded to become adaptive traffic signals. This will be the largest adaptive traffic signal system installed within the state of Louisiana. This project includes field inspection of 190 traffic signals, design plans for 78 adaptive signals, implementation of a new EVP system, integration support, and before travel time studies. Bert is responsible for the project including overseeing data collection, traffic signal design, integration, before travel time studies and QA/QC.

Alabama Department of Transportation (ALDOT), 5th Street at the SR-13 Interchange from Main Avenue to Bridge Avenue, Roundabout Feasibility Study, HSIP-6315, Northport, AL | Project Executive

Gresham Smith was tasked by ALDOT to complete a feasibility study for constructing roundabouts at the interchange of 5th Street and SR 13 (Lurleen Wallace Blvd) to improve traffic operations in and near this interchange. The study area included 4 intersections along 5th Street, including the NB and SB On/Off ramps at the SR 13 Interchange and the adjacent signalized intersections on either side. Bert was responsible for overseeing the traffic analysis of four intersections, preparing VISSIM traffic microsimulations of the no-build, traffic signal improvements and roundabout alternatives, and conceptual layout of roundabouts alternatives.



Rebecca Murray, P.E., PTOE, RSP1

Traffic Engineer

Rebecca has worked on a variety of projects including interchange and corridor studies as well as feasibility and concept studies. Her responsibilities for these projects include reviewing traffic volumes and crash data to develop and analyze proposed alternatives. She has experience modeling existing and proposed roadway networks in analysis software such as Synchro, Sidra, and VISSIM. Rebecca has the ATSSA Traffic Control Supervisor certification.

Rebecca has worked for Gresham Smith in our Baton Rouge office since graduating summa cum laude from LSU in 2015. She is a licensed Professional Engineer, a certified Professional Traffic Operations Engineer (PTOE), and a Road Safety Professional. Since joining Gresham Smith, Rebecca performs traffic modeling, traffic analysis, traffic studies, Interchange Modification / Justification Reports (IMR/IJR), reviews crash reports, performs safety analysis, develops conceptual design plans, performs benefit cost analysis, traffic signal design and develops construction cost estimates. Rebecca has completed LADOTD's Traffic Process and Report training levels 1, 2 and 3.

Years of Experience

9

Education

Bachelor of Science, Civil Engineering,
Louisiana State University

Registrations

Professional Engineer: LA.0043788, LA
PTOE: 4861
RSP1: 611

Certifications

ATSSA Supervisor Traffic Control Training

Relevant Experience

LADOTD LRSP McMillan at Blanchard Traffic Study, West Monroe, LA | *Pre-Professional*

Rebecca assisted with performing the initial traffic study, peak hour traffic observations, developed the traffic signal design plans and signal timing plans.

LADOTD, Farmerville Traffic Study, Farmerville, LA | *Pre-Professional*

Rebecca's role on the project was to oversee data collection, develop a data collection report, perform peak hour traffic observations, determine a growth rate, perform the safety analysis/crash review, perform existing and proposed traffic analysis, develop Synchro models for Existing, Future No Build and Build alternatives, prepare the project report and participate in the public meeting.

LADOTD, LA 37: Sullivan Road to Liberty Road Stage 0 Feasibility Study, Baton Rouge, LA | *Engineer*

Gresham Smith collected and reviewed over 580 crash reports over a span of three years from the state highway crash database and collected ADT data on 21 segments of LA 37 and intersecting streets, peak hour turning movement counts at 12 significant intersections and 15-minute counts along 38 driveways and insignificant side streets. Crash reports were reviewed and evaluated using the LADOTD safety triage and the safety tool box. Traffic analysis will be performed using mainly HCS and Synchro and other software tools as needed. Gresham Smith reviewed historic traffic volumes counts and Trans CAD models and performed an extensive count analyses to develop regional growth rates for the study area. Rebecca assisted with review of the count data, development of growth rates, crash data analysis and performed the existing and future traffic analysis.

LADOTD, US 171 MLK Boulevard Traffic Study, Lake Charles, LA | *Pre-Professional*

Gresham Smith was selected to develop a calibrated VISSIM model to model existing conditions and the future no build conditions along US 171 in Lake Charles, LA. Rebecca's role on the project was to oversee data collection, develop a data collection report, determine a growth rate, perform the safety analysis, develop and calibrate VISSIM models, and development of the final report.



Brennon Hughes, P.E.

Roadway Designer

Brennon is a professional engineer with over 13 years of experience in the design in management of roadway projects. He joined Gresham Smith after six years at the Louisiana Department of Transportation and Development, including over five years working in the road design section. During his time at DOTD, Brennon gained experience as a designer on a number of different types of projects, varying in size and scope, including roadway widenings, roundabouts, turn lane additions, and new alignment roadways. Since joining Gresham Smith, Brennon has built upon this foundation in design by serving in a project management role for several projects and retainer contracts. He now leads the roadway group in the Gresham Smith – Baton Rouge office.

Years of Experience

13

Education

Bachelor of Science, Civil Engineering,
Louisiana State University

Registrations

Professional Engineer: LA.0039985

Certifications

ATSSA Supervisor Traffic Control Training

Memberships/Affiliations

American Society of Civil Engineers

Relevant Experience

LADOTD, SRTS/LRSP Endom Bridge, West Monroe, LA | *Transportation Engineer*

Brennon's role is to lead the design and the preparation of preliminary and final plans and cost estimates for this intersection realignment project.

LADOTD, SRTS/LRSP Task Order 14: Farmerville Sidewalks Design, Union Parish, Farmerville, LA | *Transportation Engineer*

Brennon was responsible for leading the design and the preparation of concept plans and cost estimates.

LADOTD, SRTS/LRSP Ouachita Sidewalks, Monroe, LA | *Transportation Engineer*

This is a sidewalks project in Ouachita Parish, Louisiana. Brennon's role is to lead the design and the preparation of preliminary and final plans and cost estimates.

LADOTD, SRTS/LRSP McMillan at Blanchard Street Design, Ouachita Parish, West Monroe, LA | *Transportation Engineer*

This is a striping and intersection improvement project in West Monroe, LA. Brennon's role was to lead the design and the preparation of preliminary and final plans and cost estimates.

City of Central (LA), Hooper Road (LA 408) at Sullivan Road (LA 3034) Roundabout Design | *Lead Roadway/Roundabout Design Engineer*

Gresham Smith is tasked with the full roundabout design which will be in accordance with LADOTD's Roadway Design Manual geometric requirements and LADOTD's Complete Streets Policy to accommodate both pedestrians and bicycles through this intersection. Brennon led the design and the preparation of preliminary and final plans and cost estimates.

LADOTD, SRTS/LRSP Task Order 22: Local Road Safety Upgrades (West Feliciana) | *Lead Roadway Design Engineer*

Brennon is responsible for planning and coordinating staffing, scheduling, and budgeting for this project. He is also leading the design and preparation of preliminary and final plans which includes new signing, striping along 10 local routes within the parish and guardrail replacement at 12 bridge and cross drain locations along with cost estimates.

LADOTD, Left Turn Lanes at LA 77 and LA 78/411, Point Coupee Parish, LA | *Assistant Project Engineer*

This was a safety project along U.S. 190 in both directions in Pointe Coupee Parish. The project added left turn lanes to US 190 and some side roads and replaced the bridge over Bayou Gross Tete. Brennon oversaw work including temporary traffic control, pavement widening, milling, asphalt concrete overlay and bridge construction.

LADOTD, I-10 Iberville P/L to West End of MS River Bridge, Baton Rouge Parish, LA | *Assistant Project Engineer*

This was a pavement preservation project along I-10 in West Baton Rouge Parish. Brennon oversaw work including temporary traffic control (lane closures), saw cutting and patching, milling, asphalt concrete overlay, temporary and permanent traffic striping.



Richard Savoie, P.E.

Project Manager

Richard's 46-year career includes 34 years with LADOTD in increasing roles culminating as the DOTD Deputy Chief Engineer and Chief Engineer. As Chief Engineer, Richard was responsible for establishing engineering directives and standards, policies, budgets, expenditures, programs and procedures that guided project and program delivery, construction, and preservation of all transportation-related projects and systems.

Years of Experience

46

Education

Bachelor of Science, Civil Engineering, McNeese State University

Registrations

Professional Engineer: LA.0020936

Relevant Projects

LADOTD, SRTS/LRSP Task Order 14: Farmerville Sidewalks Design, Union Parish, Farmerville, LA | Senior Engineer

Richard provided quality control review for the Final Plan submission for this Safe Routes to Public Places Project. The review was to ensure that the plans were developed in accordance with standard DOTD policy and procedure. Plans included installation of sidewalks along various local roadways, driveway adjustments to ensure ADA compliance and utility relocation avoidance.

LADOTD, SRTS/LRSP Task Order 6 and 21: Endom Bridge Preliminary and Final Design, West Monroe, LA | Senior Engineer

The project consisted of roadway realignment at the bridge approach to improve roadway geometry and safety. Right-of-way is being acquired at one quadrant of the intersection and Richard is assisting with the coordination between the right-of-way plans and the roadway requirements. Richard performed QC reviews on the final preliminary design submission and will oversee the QC on the final design process.

LADOTD, LA 37: Sullivan Road to Liberty Road Stage 0 Feasibility Study, Baton Rouge, LA | QA/QC

Gresham Smith collected and reviewed over 580 crash reports over a span of three years from the state highway crash database and collected ADT data on 21 segments of LA 37 and intersecting streets, peak hour turning movement counts at 12 significant intersections and 15-minute counts along 38 driveways and insignificant side streets. Crash reports were reviewed and evaluated using the LADOTD safety triage and the safety tool box. Traffic analysis will be performed using mainly HCS and Synchro and other software tools as needed. Gresham Smith reviewed historic traffic volumes counts and Trans CAD models and performed an extensive count analyses to develop regional growth rates for the study area. Richard provided QA/QC for the overall study.

LADOTD, SRTS/LRSP Task Order 11: Ouachita Sidewalks Design, Ouachita Parish, LA | Senior Engineer

Richard provided quality control review for the 95% Final Plan submission for this Safe Routes to Public Places Project. The review was to ensure that the plans were developed in accordance with standard DOTD policy and procedure.

City of Central (LA), Hooper Road (LA 408) at Sullivan Road (LA 3034) Roundabout Design | Project Manager

Gresham Smith is tasked with the full roundabout design which will be in accordance with LADOTD's Roadway Design Manual geometric requirements and LADOTD's Complete Streets Policy to accommodate both pedestrians and bicycles through this intersection. Richard is responsible for overall Quality Control on the project. He is mentoring the engineering staff on the field evaluation requirements, reviewing all potential improvements, and will perform QC reviews on the preliminary and final design plan submissions.



Ronnie Robinson, P.E.

Senior Transportation Engineer

Ronnie has 33 years of experience with the Louisiana Department of Transportation and Development. He worked 11 of his 16 years in construction as a project engineer, eight years as manager of the design and permit sections and nine years as administrator for the design, water resources, permit and materials testing sections.

Years of Experience

41

Education

Bachelor of Science, Civil Engineering, Louisiana State University

Registrations

Professional Engineer: LA.0024040

Relevant Projects

LADOTD, SRTS/LRSP Task Order 6 and 21: Endom Bridge Preliminary and Final Design, West Monroe, LA | Senior Engineer

Ronnie's responsibilities include developing preliminary and final plans and construction cost estimates. His efforts included coordination of the contaminated waste investigation, drainage layout and quality control for the preliminary design.

LADOTD, SRTS/LRSP Task Order 7: McMillan at Blanchard Design, West Monroe, LA | Senior Engineer

Ronnie's responsibilities included conducting field traffic observations and collecting field data for the study portion. For the design portion, his responsibilities included developing conceptual designs, preliminary and final plans and construction cost estimates.

LADOTD, SRTS/LRSP Task Order 14: Farmerville Sidewalks Design, Farmerville, LA | Senior Engineer

Ronnie was responsible for coordination with State and Local officials on the location of the proposed improvements and developing the Project Report which includes defining project scope and preparing construction cost estimates to determine the feasibility of the project.

LADOTD, SRTS/LRSP Task Order 22: Local Road Safety Upgrades, West Feliciana Parish, LA | Senior Engineer

Ronnie is responsible for the development of the guardrail design (preliminary and final plans) for the 12 bridge and cross drain sites along 10 local routes within the parish.

LADOTD, SRTS/LRSP Task Order 5 & 11: Ouachita Parish Schools Report and Design, Monroe, LA | Senior Engineer

Ronnie's responsibilities included coordination with State and Local officials on the location of the proposed improvements, developing preliminary and final plans, and reviewing cost estimates. Ronnie provided quality control for the preliminary design phase, participated in the plan-in-hand meeting, and provided design assistance for the development of the final design plans.

City of Central (LA), Hooper Road (LA 408) at Sullivan Road (LA 3034) Roundabout Design | Senior Transportation Engineer

Gresham Smith is tasked with the full roundabout design which will be in accordance with LADOTD's Roadway Design Manual geometric requirements and LADOTD's Complete Streets Policy to accommodate both pedestrians and bicycles through this intersection. Ronnie will provide quality control for the preliminary design phase, participate in the plan-in-hand meeting, and provide design assistance for the development of the final design plans.

LADOTD, LA 37: Sullivan Road to Liberty Road Stage 0 Feasibility Study, Baton Rouge, LA | Senior Engineer

Gresham Smith collected and reviewed over 580 crash reports over a span of three years from the state highway crash database and collected ADT data on 21 segments of LA 37 and intersecting streets, peak hour turning movement counts at 12 significant intersections and 15-minute counts along 38 driveways and insignificant side streets. Crash reports were reviewed and evaluated using the LADOTD safety triage and the safety tool box. Traffic analysis will be performed using mainly HCS and Synchro and other software tools as needed. Ronnie provided QA/QC for the alternatives portion of the study.



Alben Cooper III, P.E., PTOE

Traffic Engineer

With over 15 years of experience in transportation engineering, Alben is a Professional Traffic Operations Engineer, and a licensed Professional Engineer in Louisiana, Mississippi, Alabama, and Texas. He has been the project manager/engineer on a variety of transportation projects including: safety studies, feasibility studies, signal design and timing of coordinated systems, geometric design, striping and signage design, traffic impact analysis, and transportation management plans. Alben has been the lead engineer for multiple Stage 0 Feasibility Studies and Environmental Assessments throughout Louisiana. He has also performed studies for intersection/corridor operation and safety improvements including pedestrian facility upgrades. He has managed and provided construction administration services for temporary and permanent traffic signal design using the LADOTD TSI format, geometric design, and striping and signage design. He has developed/managed sequence of construction and traffic control device plans for large construction projects. Alben has experience using various analysis programs including Synchro, Highway Capacity Software (HCS), and SIDRA Intersection. He has completed all 3 modules of LADOTD's Traffic Engineering Process and Report Training.

Years of Experience

18

Education

Bachelor of Science, Civil Engineering, Louisiana State University

Registrations

Professional Engineer: LA, MS, TX, AL

Memberships/Affiliations

Institute of Transportation Engineers

Accreditations/Certifications

Professional Traffic Operations Engineer

Relevant Projects

LADOTD - US 190 Superstreet, St. Tammany Parish, LA | *Traffic Engineer*

Responsible for the design of 15 permanent traffic signals along the US 190 corridor from I-12 to Sunshine Avenue in St. Tammany Parish, LA. The project involved converting the existing corridor to a "superstreet" corridor.

This included modifying the existing signalized intersections to restrict lefts or throughs from the side streets onto US 190 and providing U-turns on either side of the main intersections. Due to the heavy traffic volumes along the corridor, the U-turns were also signalized. Worked closely with LADOTD to determine the traffic signal operation and locations for signal equipment that would not interfere with construction. Designed fiber interconnect plans to connect each of the signals into a coordinated system. A construction cost estimate was prepared utilizing the latest LADOTD items.

LADOTD - Hooper Road Extension Stage 0, East Baton Rouge/Livingston Parishes, LA | *Traffic Engineer*

Responsible for the preparation of the traffic study that was included in the LADOTD Stage 0 Feasibility Study for the extension of Hooper Road from LA 64 (Greenwell Springs Rd) in East Baton Rouge Parish across the Amite River to LA 16 in Livingston Parish. The study included the development and analysis of intersection alternatives at various termini of the extension including traditional intersections, roundabouts, SPUs, partial cloverleaves, and flyovers. Three alternatives for the extension termini point at LA 16 were considered and analyzed. Tasks consisted of data acquisition, traffic assignments and forecasting, capacity analysis, preparation of the traffic study report and attendance at public meetings. Analysis was performed using SIDRA and Synchro.

LADOTD - I-49 South Feasibility Study, Lafourche/St. Charles/Jefferson Parishes, LA | *Traffic Engineer*

Alben was a project engineer for a project that included research and data collection, traffic data collection and Tier 1 Interchange analysis for the 13 interchanges along the proposed I-49 South corridor between Raceland, LA, in Lafourche Parish and the Westbank Expressway in Jefferson Parish. Alben's roles consisted of aiding in the collection and review of traffic data, determining peak period times for additional data collection, rerouting of existing traffic volumes, developing growth rates and projecting volumes to the design year, and analysis for the determination of traffic operations rankings for inclusion in the Tier 1 matrix. Alben worked closely with DOTD to develop and implement methodology for the rerouting of traffic volumes to the proposed interchanges.



Zillah Zoleta, EI

Roadway Design

Zillah joined Gresham Smith upon graduating with a Bachelor of Science in Civil Engineering from LSU. She has assisted in the design of a number of projects including roadway, complete streets and traffic designs.

Years of Experience

2

Education

Bachelor of Science, Civil Engineering,
Louisiana State University

Accreditations/Certifications

Engineer Intern (EI.0035238)

Relevant Projects

City of Baton Rouge, Greenwell Springs and Wooddale Sidewalks, Baton Rouge, LA | *Transportation Engineer Intern*

Under LADOTD's Safe Routes to Public Places Program, LADOTD contracted with Gresham Smith to develop preliminary and final plans for the design of sidewalks and other pedestrian enhancements along Greenwell Springs Road and Wooddale Boulevard. The project is currently in the preliminary design phase. Zillah is developing typical sections and plan sheets.

MOVEBR, Plank Rd Segment 2, Baton Rouge, LA | *Transportation Engineer Intern*

Under the MOVEBR Program, Gresham Smith is developing a design study for the implementation of sidewalks and multi-use paths along Plank Road. Subsequently, a design project was initiated to design the recommendations developed within the study. This project involves the design of sidewalk along the east side of Plank Rd and a multi-use path along the west side of the road. Zillah is responsible for typical sections, plan and profile sheets, and quantity tables. This project is currently in the final design phase.

MOVEBR-Nicholson Drive Segment 2, Baton Rouge, LA | *Transportation Engineer Intern*

Zillah was responsible for crash incident reports and the organization of the final report.

She drew the collision diagrams using MicroStation to analyze patterns. The project will extend to tie-in to the current Nicholson Segment 1 (Brightside Drive to Gourrier Avenue) project between Brightside Drive and Gourrier Avenue. This project is part of the MOVEBR Program, designated as a New Capacity Improvement Project. Nicholson Drive in this corridor is designated as a PARISH route as it is part of the Road Transfer Program from Ben Hur to Gardere Lane. It will remain a State Route from Gardere Lane to Bluebonnet Boulevard. The proposed project includes the consideration of solutions to increase capacity of Nicholson Drive.

H.012018.5 LADOTD - Lafayette Adaptive Traffic Signal Design & Implementation, Lafayette, LA | *Transportation Engineer Intern*

Zillah analyzed plans for varying traffic sensors for different intersections. Gresham Smith was selected to develop this Adaptive Traffic Signal network, which includes field inspection of over 200 traffic signals, design plans for 76 adaptive signals, implementation of a new EVP system, integration support, and before and after travel studies. This will be both the largest adaptive traffic signal system installed within Louisiana.

LADOTD - LRSPTO #2 (Bonner Street Ped Impr) (Ruston), Ruston, LA | *Transportation Engineer Intern*

Zillah was responsible for pedestrian crossing data collection at two bridges. She captured and counted multi-directional data for each intersection.

MovEBR-Sherwood Forest Blvd Multi-Use Path, Baton Rouge, LA | *Transportation Engineer Intern*

Zillah was responsible for the final incident crash report. She drew collision diagrams using MicroStation to analyze patterns.

MovEBR-Synch & Comm Signal Rebuilds Phase 2, Baton Rouge, LA | *Transportation Engineer Intern*

Zillah was responsible for signal designs using ProjectWise. She calculated possible green and red times and pedestrian walk times for each intersection.

MovEBR-Synch & Comm Signal Rebuilds, Baton Rouge, LA | *Transportation Engineer Intern*

Zillah was responsible for signal designs using ProjectWise. She calculated possible green and red times and pedestrian walk times for each intersection.