

# 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	<b>IDIQ Contracts for Safety Studies</b>
2. Contract number(s) as shown in the advertisement	<b>Contract Nos. 4400023689, 4400023690</b>
3. State Project Number(s), if shown in the advertisement	<b>N/A</b>
4. Prime consultant name (as registered with the Louisiana Secretary of State where such registration is required by law)	<b>Quality Engineering &amp; Surveying, LLC</b> 
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	<b>EF. 0004011</b> <b>VF. 0000645</b>
6. Prime consultant mailing address	<b>18320 Hwy 42</b> <b>Port Vincent, LA 70726</b>
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	<b>Same as # 6</b>
8. Name, title, phone number, and email address of prime consultant's contract point of contact	<b>Deric J. Murphy, PE, LSI</b> <b>Principal Engineer and CEO</b> <b>(225) 698 -1600 / dmurphy@qesla.com</b>
9. Name, title, phone number, and email address of the official with signing authority for this proposal	<b>Same as # 8</b>
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	Signature (shall be the same person as #9):

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.



**Deric J. Murphy, PE, LSI**

Date: **02/20/22**

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)' %:

## 12. Past Performance Evaluation Discipline Table:

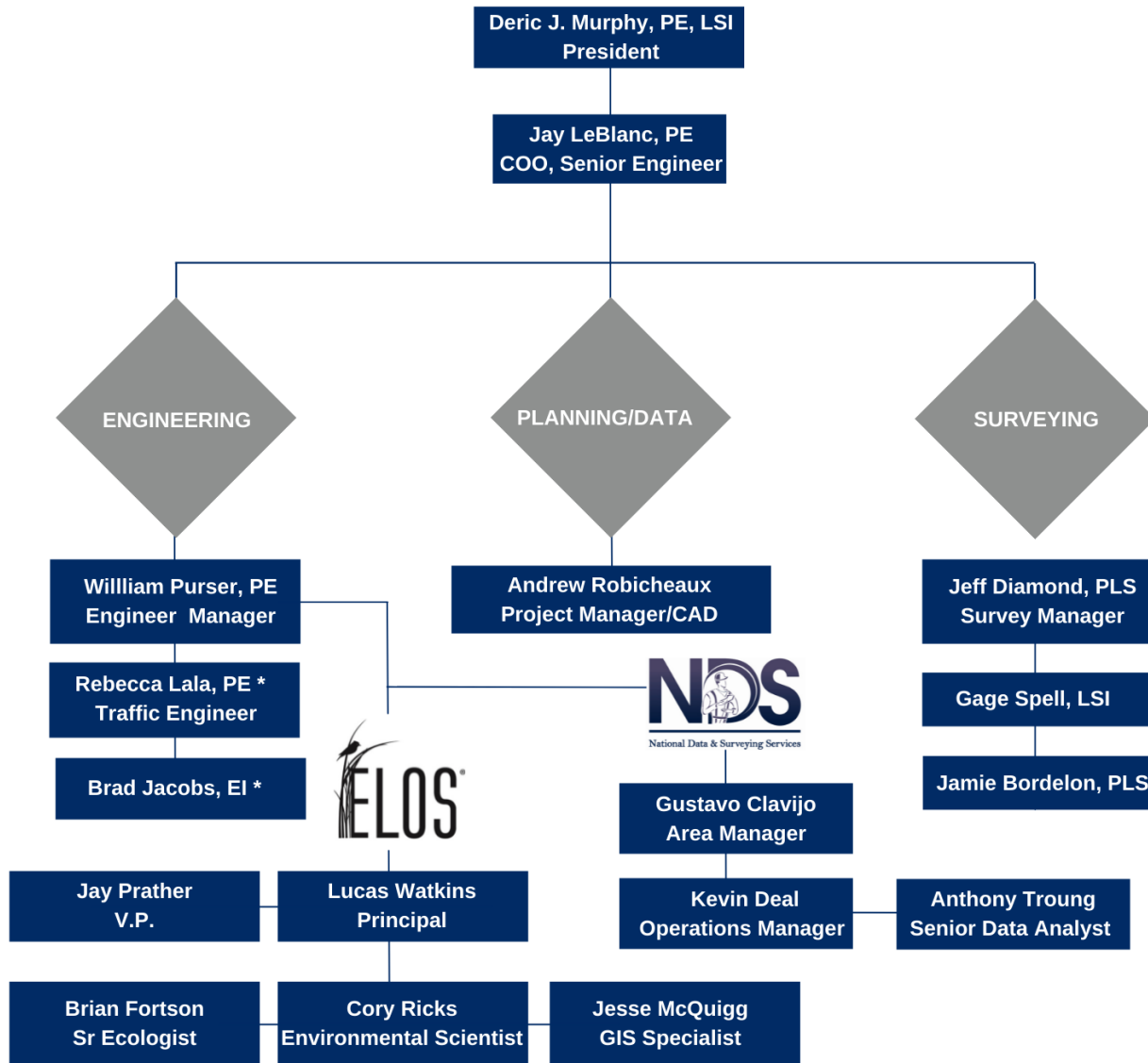
The past performance evaluation disciplines to be used are: **Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other.**

Evaluation Discipline(s)	% of Overall Contract	Prime 	Firm B 	Firm C 	Each Discipline must total to 100%
Road	10%	100%			100%
Traffic	60%	100%			100%
Survey	5%	100%			100%
Environmental	10%		100%		100%
Data-Collection	10%			100%	100%
Planning	5%	100%			100%
Percent of Contract	100%	80%	10%	10%	100%





### 13. Firm Size:

Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
 <b>Quality Engineering and Surveying, LLC</b>	<b>Principal</b>	<b>1</b>	<b>1</b>
	<b>CAD Technician</b>	<b>2</b>	<b>10</b>
	<b>Engineer</b>	<b>2</b>	<b>6</b>
	<b>Pre-Professional</b>	<b>3</b>	<b>7</b>
	<b>Surveyor</b>	<b>2</b>	<b>3</b>
	<b>Technician</b>	<b>1</b>	<b>3</b>
 <b>ELOS Environmental</b>	<b>Biologist/Wetlands</b>	<b>2</b>	<b>10</b>
	<b>Environmental Pro</b>	<b>3</b>	<b>11</b>
	<b>Environmental Manager</b>	<b>1</b>	<b>2</b>
	<b>GIS Analyst</b>	<b>2</b>	<b>6</b>
 <b>National Data and Surveying Services, Inc</b>	<b>Clerical</b>	<b>1</b>	<b>7</b>
	<b>Senior Technician</b>	<b>1</b>	<b>3</b>
	<b>Technician</b>	<b>2</b>	<b>14</b>
	<b>Professional</b>	<b>1</b>	<b>10</b>

**14. Organizational Chart:**




### 15. Minimum Personnel Requirements:


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	Deric J. Murphy, P.E., L.S.I.		PE No. 29602	LA	9/30/2023
2	Deric J. Murphy, P.E., L.S.I.		PE No. 29602	LA	9/30/2023
3	Deric J. Murphy, P.E., L.S.I.		PE No. 29602	LA	9/30/2023
4	Rebecca B. Lala, P.E., PTOE		PE No. 31781 PTOE No. 2282	LA LA	9/30/2023 May 2023

**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 				
Name	<b>Deric J. Murphy, PE, LSI</b>		Years of relevant experience with this employer	<b>13</b>
Title	<b>Principal in Charge</b>		Years of relevant experience with other employer(s)	<b>13</b>
Degree(s) / Years / Specialization		<b>BS / 1996 / Civil Engineering</b>		
Active registration number / state / expiration date		<b>29602 / LA / 9-30-2023</b>		
Year registered	<b>2001</b>	Discipline	<b>Civil Engineering</b>	
Contract role(s) / brief description of responsibilities		<b>MPR 1,2,3</b> Mr. Murphy has designed, drafted, and managed hundreds of municipal, private, and public projects, ushering them from conceptual design to completion. His experience includes design, supervision and general coordination of sub-consultants for various civil and municipal projects as well as the preparation of detailed construction plans, reports, technical specifications, contract documents, bid packages, cost estimates, hydraulic calculations and field studies. The types of projects he has been associated with include commercial and retail facilities, new sewer systems, highways, drainage and storm water improvements, pump station design, residential subdivisions and construction phasing plans. His experience in working one on one with the client and local governing agencies allows him to provide quality projects, thus ensuring that each one meets or exceeds even the most stringent timelines and budgets.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
06/2019- 05/2020	<b>Breaux Bridge Manor Drainage Improvements, St. Martin Parish –</b> Instrumental in developing an approach to close down a major traffic route for one week instead of projected two months expected to complete construction of the project. The project removed an existing box culvert that was set at the wrong elevation on Doyle Melancon Road in Breaux Bridge, LA. A large metal span bridge replaced the existing culvert and was set at the appropriate elevation to ensure proper conveyance of water in the drainage area.			
05/2019-05/2021	<b>Pine Bluff Drainage Improvements, Denham Springs, Livingston Parish –</b> Principal Engineer leading the engineering and survey team to complete an H&H study and analysis before beginning the road elevation and cross drain culvert installation during this project to reduce roadway inundation occurrences.			
06/2017-08/2021	<b>Whispering Springs Subdivision, Livingston Parish –</b> Located in Livingston Parish, a 986-lot new development created a need for road widening to include left and right turn lanes at the site access. QES also did the survey work, landscape and planning, as well as infrastructure design. D.R. Horton tasked Mr. Murphy and QES with survey, master planning, grading and infrastructure design, and construction administration.			
08/2017-05/2021	<b>Bellacosa Subdivision, East Baton Rouge Parish –</b>			

	Bellacosa Subdivision is a D.R. Horton residential development in East Baton Rouge Parish. Mr. Murphy has overseen this project since QES took over after the completion of the first filing. QES designed the grading and infrastructure which includes drainage systems, sanitary sewer systems, and roads. Most of this design was done through master planning and coordination through City of Baton Rouge. This includes working with the City of Baton Rouge Subdivision office, Planning Commission, and Department of Environmental Services.
09/2010-06/2017	<b>Keystone of Galvez, Ascension Parish –</b> Keystone of Galvez is a residential subdivision located in the northern portion of Ascension Parish. QES was responsible for the horizontal and vertical alignments, paving design, storm water detention facilities, sanitary sewer pump stations, grading, erosion control plan, and storm water pollution prevention plan. Mr. Murphy was instrumental in the implementation of this project as a whole and overseeing each aspect.
01/2014-07/2017	<b>Lake Villas Subdivision, East Baton Rouge Parish –</b> Lake Villas is a 191-lot residential subdivision located in East Baton Rouge Parish. Mr. Murphy led the team as QES designed and provided construction documents that included grading plans, horizontal and vertical alignments for over 5,400 linear feet of roads, storm drainage and sanitary sewer along with erosion control plans, drainage calculations and drainage impact study.
05/2019-05/2021	<b>Pine Bluff Drainage Improvements, Denham Springs, Livingston Parish –</b> Principal Engineer leading the engineering and survey team to complete an H&H study and analysis before beginning the road elevation and cross drain culvert installation during this project to reduce roadway inundation occurrences.


Firm employed by					
Name	Jay LeBlanc Jr., PE			Years of relevant experience with this employer	1
Title	COO, Senior Engineer			Years of relevant experience with other employer(s)	21
Degree(s) / Years / Specialization			BS/ 1997/Civil Engineering		
Active registration number / state / expiration date			PE, LA #30566 / 3/31/23		
Year registered	1/21/2003	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			<p>Jay Leblanc is the Chief Operating Officer at QES. Mr. LeBlanc has over 22 years of experience in project management, civil design, and environmental services. Most recently, he was responsible for managing and leading office engineers and designers focusing on utilization, forecasting, and mentoring. After graduating from LSU in civil engineering in 1997, he has worked for both local and national level firms, gaining a wide range of knowledge associated with commercial site design. As a project engineer and manager, Mr. Leblanc has experience on multiple road and dredging projects, a multi-story parking garage, new airport terminal facility, multiple sanitary sewer lift stations, port bulkhead projects, as well as experience with environmental projects such as subsurface site investigations, groundwater sampling, and landfill quality assurance/quality control.</p>		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).				
2018-19	<p><b>LADOTD – Stage 0 Feasibility Studies and Stage 1 Planning and Environmental Studies Project Manager</b></p> <p>Managed Stage 1 Planning and Environmental Studies for an 8-mile portion of LA 447 in Livingston Parish, LA, and for the Future I-49 South (Raceland to Westbank Expressway) in Jefferson, Lafourche, and St. Charles Parishes, LA. Services include Line and Grade Study, Environmental Assessment, and Conceptual Design. Managed Stage 0 Feasibility Studies for LA 384 between Big Lake Road and McNeese Street (LA 3186) in Lake Charles, LA and for LA 328 corridor between Latiolais Drive and Julie Street, as well as to the LA 328 interchange with I-10 in Breaux Bridge, LA. Services included examining the feasibility of making capacity and mobility improvements.</p>				
2005-06	<p><b>FEMA Individual Assistance - Technical Assistance Contract:</b></p> <p>Oversaw statewide property feasibility assessment for both group and individual housing solutions of displaced residents resulting from Hurricanes Katrina and Rita. Managed assessment process of 35,000 individual properties including over 200 engineers, technicians, and support staff, for potential group and individual housing. Coordinated assessment process with USACE to ensure quality control of preliminary site selections. Reported and tracked daily field activity by utilizing real-time web-based tools. Coordinated screening, hiring, and training of potential assessors.</p>				
2006- 2008	<b>Baton Rouge Metropolitan Airport Parking Garage:</b>				

	<p>Phase III (\$10M) Design for a new five-story parking garage facility at the Baton Rouge Airport. Other design components included a new 150 foot covered pedestrian walkway and a new access roadway. Project Manager – managed the design of the new parking garage and other design components. Managed architectural, structural, mechanical, electrical, and civil design components. Tracked schedule and design progress plus maintained regular coordination with the client. Responsible for approval of sub-consultant invoices and invoices to client. Managed construction administrative tasks including review of RFI's and submittals, review of contractor pay application and progress submittals, and periodic site inspections for compliance with bid documents.</p>
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Firm employed by 				
Name	<b>William Purser, PE</b>		Years of relevant experience with this employer	<b>9</b>
Title	<b>Engineering Department Manager</b>		Years of relevant experience with other employer(s)	<b>19</b>
Degree(s) / Years / Specialization		<b>BS / 1994 / Civil Engineering</b>		
Active registration number / state / expiration date		<b>29357 / LA / 9-30-2022</b>		
Year registered	<b>2001</b>	Discipline	<b>Civil Engineering</b>	
Contract role(s) / brief description of responsibilities		Mr. Purser has over twenty years of increasing responsibility in Civil Engineering and Public Works projects in Tennessee, Mississippi, Louisiana, Texas, and Alabama. Mr. Purser demonstrates excellent skills in engineering, project design, cost estimation, and working within tight budgets and timelines. As an experienced project manager, he has been responsible for seeing multiple projects through from initial surveys and planning to final bid and completion. Mr. Purser has extensive experience across core civil engineering disciplines of roadway/transportation, drainage, water line, and site design.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
(06/2019- 05/2020)	<b>Breaux Bridge Manor Drainage Improvements, St. Martin Parish –</b> Mr. Purser is the Senior Engineer on this project. His role includes overseeing the drainage study and recommendations. QES was selected to complete the studies and design of the Breaux Bridge Manor Drainage Improvement project. A study of 603 acres was completed. The project will remove an existing box culvert that is set at the wrong elevation. A larger culvert will replace the existing culvert and will be set at the appropriate elevation to ensure proper conveyance of water in the drainage area.			
05/2019-05/2021	<b>Pine Bluff Drainage Improvements, Livingston Parish –</b> Mr. Purser led the engineering team at QES in the drainage improvement project at Pine Bluff Road in Livingston Parish. He oversaw the environmental engineering, design and construction administration, feasibility study, geotechnical investigation, and the H&H study aspects of the project.			
06/2019 – 12/2020	<b>West David Drive Drainage Improvement, Tangipahoa Parish –</b> Mr. Purser oversaw and led the completion of QES’s responsibilities for the West David Drive project, which included a hydrologic study and provide plans for the installation of a new subsurface system along West David Drive, cleaning of outfall ditches and regrading of the pavement to the appropriate slope.			
08/2017 – 05/2021	<b>Bellacosa Subdivision, East Baton Rouge Parish –</b> Bellacosa Subdivision is a D.R. Horton residential development in East Baton Rouge Parish. Mr. Purser has overseen this project since QES took over after the completion of the first filing. QES designed the grading and infrastructure which includes drainage systems, sanitary sewer systems, and roads. Most of this design was done through master planning and coordination through City of Baton Rouge. This includes working with the City of Baton Rouge Subdivision office, Planning Commission, and Department of Environmental Services.			
11/2006-02/2010	<b>Audubon Bridge, West Feliciana Parish, LA –</b> Mr. Purser was the Civil Engineer on this project with a previous employer. Provided design and analysis of storm drainage for the preliminary designs for the two and four lane roadways as well as final design for the two-lane roadway. Also, provided and designed culverts for the temporary construction road. Designed the relocation of the water line at the intersection of the new roadway with U.S. 61			


2010 – 2013	<b>LA-1 to I-10 Connector Roadway, West Baton Rouge Parish, LA –</b> Responsible for preliminary design of a new 3 mile connector route between LA 1 to the LA 415 & I-10 interchange, including railway spur and roadway realignments associated with the new roadway, drainage design, and alignment of a new bridge across the Gulf Intercoastal Waterway, and flyover ramps where the connector ties into LA 1. Estimated project cost: \$130 – \$147 million.
04/2010 – 10/2013	<b>I-10 Widening from Highland Road Interchange to LA 73 Interchange –</b> Project consists of providing pre-construction services, including 30% Preliminary Roadway and Bridge design plans to allow for the potential of a Design-Build Project to widen I-10 from 2 lanes in each direction to 3-lanes in each direction (6 lanes total). Project work includes roadway design, and assist in supervision of sub-consultants, including geotechnical, surveying, and subsurface utility engineering (SUE). Also responsible for schedule and flow of all design fees to the sub-consultants, consistent with accomplishment of the price centers.
04/2010 – 10/2012	<b>I-12 Design-Build Widening from O’Neal Lane to Pete’s Highway –</b> Mr. Purser was responsible for updating design plans in order to meet changes in field conditions and coordination with the contractor. This included drainage updates and roadway grade adjustments. Project completed in 2012. Estimated project cost: \$70 million.
Completed 10/2012	<b>I-12 Stage 0 Feasibility Study and Environmental Inventory –</b> for increasing capacity on 72 miles of I-12, from LA 447 in Walker, LA, to the I-10/I-59 interchange in Slidell, LA – Responsible for preliminary study, including site investigation, and review of draft documents
Completed 6/2013	I-10 Design-Build Widening from Siegen Lane to Highland Road (3 miles), Baton Rouge, LA – was responsible for providing assistance on various design units, including roadway, patching, retaining walls, drainage, maintenance of traffic, and clearing & grubbing. Responsibilities also included meeting with the contractor as needed to ensure proper coordination and to assist with As-built drawings. Estimated project cost: \$60 million.
2007-2008	<b>I-12 / U.S. 11 interchange, St. Tammany Parish, LA;</b> analysis and design of the storm drainage system associated with the interchange improvements.


Firm employed by					
Name	Rebecca B. Lala, PE, PTOE		Years of relevant experience with this employer	2	
Title	Traffic Engineer		Years of relevant experience with other employer(s)	17	
Degree(s) / Years / Specialization			BS / 1999 / Chemical Engineering		
Active registration number / state / expiration date			31781 / LA / 9-30-2023 PTOE: 2282 / LA / 05-2023		
Year registered	2005	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			<b>MPR 4;</b> Traffic Engineering; Safety Analyses; Stage 0 Feasibility Studies; Roadway Safety Assessments; Safety Effectiveness Evaluations; Traffic Signal Analysis and Design. Rebecca has 19 years of traffic engineering experience performing traffic studies using traffic modeling software such as HCS, Sidra, VISSIM, Synchro and Vistro. Becky has performed countless traffic studies throughout her career including, but not limited to, subdivisions, shopping centers, gas stations, convenience stores, fast-food restaurants, banks, car washes and multi-use developments. Planning level traffic study experience includes safety studies, feasibility studies, Stage 0 studies, Roadway Safety Assessments (RSA) and corridor studies, meeting LaDOTD and FHWA requirements where applicable. Becky has extensive experience with signal warrant analyses as well as signal design, optimization and synchronization for existing and proposed signalized intersections. She has led the traffic analysis of intersection and interchange projects to demonstrate how proposed changes would improve traffic flow and safety, including a concept model in VISSIM of a new Interchange along I-12, which was ultimately built in 2009. She has previous experience as a Parish Traffic Engineer, where she had the opportunity to apply Access Management principles and techniques in several projects throughout her career, including projects implemented as part of the American Recovery and Reinvestment Act of 2009 (ARRA) in partnership with LaDOTD.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).				
06/2020 – present; 10/2014 – 09/2018	<b>Various Traffic Studies, Louisiana:</b> Work as a Traffic Engineer performing several traffic impact analyses (TIA's) for commercial and residential developments throughout the State. Each TIA is performed using HCS, Vistro, and/or Sidra as applicable. Analysis includes turn lane warrants, signal warrants, safety assessments and capacity analysis for stop controlled, signal controlled and roundabout intersections. Analyze and design traffic signals for proposed access to developments as well as existing intersections where signal upgrades are required. Perform traffic signal timing optimization and synchronization for existing and proposed signalized intersections. Traffic Engineering requirements and guidelines per LaDOTD are followed.				
07/2019 – 04/2020	<b>Regional Traffic Signal Operations, Regions 2 and 3, Georgia:</b> Senior Traffic Signal Operations Engineer (TSOE). Review the field work diagrams and data collection for 269 intersections within the State of Georgia for completeness and accuracy. Intersection Diagrams, Clearance Calculation Spreadsheet, Traffic Signal Operations Report (TSOR) and TEAMS database are checked and updated as necessary. Tasks performed include Clearance Interval Calculation updates, signal system database updates, recommendations for design and operational improvements at each intersection, and remote implementation of the new traffic signal timing parameters and coordinated timing plans at intersections and corridors across the state. Client: Georgia Department of Transportation (sub to Jacobs).				
03/2019 – 04/2020	<b>Wake Transit Plan, New Bern Avenue Corridor Bus Rapid Transit (BRT) Project, City of Raleigh, North Carolina:</b>				

	Task manager and project engineer. Traffic analysis of 31 signalized intersections and 23 unsignalized intersections before and after the implementation of transit-only lanes, with Synchro and SimTraffic. Alternatives include reducing the current number of lanes for through traffic along the corridor as well as restricting left turns at several intersections. Tasks include balancing of traffic counts, rerouting of traffic, crash analysis and performing traffic signal analysis at each of the intersections. Perform traffic signal warrant analysis at existing stop-controlled intersections. Use traffic signal analysis results to design recommended changes to traffic signals, signal hardware, and applied traffic operations. Develop appropriate traffic signal timing, synchronization, and 30% design for all scenarios per NCDOT Standards and Congestion Management Guidelines. Client: City of Raleigh, North Carolina
02/2016 – 09/2018	<b>LA 22 from Rou Mar Nei Drive to First Street, Ponchatoula, Louisiana (H.011618 ):</b> Project manager and project engineer for the corridor study. Evaluated alternatives to improve safety and mobility along the corridor. Louisiana Department of Transportation and Development (LaDOTD) policies and guidelines were followed, including Access Management and Complete Streets requirements. Tasks included balancing of traffic counts, rerouting of traffic, traffic analysis, crash analysis and performing traffic signal warrants, timing optimization and traffic control design for all intersections as applicable for all scenarios. Synchro, Sidra and Vissim traffic analysis results were used to recommend operational changes to intersections, as well as evaluate capacity and safety of the corridor. Safety Analysis was performed per Highway Safety Manual (HSM) methodology. Client: LaDOTD
02/2015 – 09/2018	<b>US 51 Business from I-12 to Coleman Avenue, Hammond, Louisiana (H.011402):</b> Project manager and project engineer. Traffic analysis results from Synchro, Sidra and Vissim were used to evaluate alternatives to improve safety and mobility along the corridor. Capacity and safety analyses were performed to recommend operational changes to signalized and non-signalized intersections. LaDOTD policies and guidelines were followed, including Access Management and Complete Streets requirements. Tasks included balancing of traffic counts, rerouting of traffic, crash analysis, and performing traffic analysis of all intersections, both signalized and stop-controlled. Performed traffic signal warrants for all intersections and conducted signal timing optimization for recommended operational changes. Safety Analysis was performed per HSM methodology. Client: LaDOTD
11/2014 – 08/2015	<b>LA 3002 Range Avenue Roadway Safety Assessment (RSA), Livingston Parish, Louisiana (H.011645):</b> Task manager and project engineer. Crash data analysis and roadway safety assessment consisting of five (5) roadway segments and ten (10) intersections. Tasks included obtaining and reviewing crash reports from the LA DOTD Crash 1 Database, sorting crash reports by selected segments and intersections, determining the crash type, severity, surface conditions, etc. and displaying the crash trends in charts and comparing them to applicable statewide averages in terms of crash type, severity, lighting conditions, etc. Calculate intersection and segment crash rates and compare them to statewide averages to determine if any abnormal locations exist. Coordinate with DOTD to schedule and conduct RSA in field with all stakeholders and prepare RSA report. Client: LaDOTD
03/2012 – 10/2014	<b>LA 59 at Koop Drive Roundabout Stage 0, Mandeville, Louisiana (H.012658):</b> Project Manager for Stage 0 and Justification study of a roundabout to replace an existing traffic signal at the intersection. Client: STP in cooperation with LaDOTD.
05/2013 – 06/2014	<b>Various Roadway Safety Assessments (RSA), St. Tammany Parish, Louisiana:</b> Member of multidisciplinary team tasked with performing RSA in several locations throughout St. Tammany Parish, including: LA 21 (Elliott Road – LA 41); I-12 (LA 21 – LA 59); LA 21 (LA 36 – LA 59); LA 1090 (I-10 – US 190). Participated in meetings and field visits to identify and discuss safety concerns, crash analysis, road user behavior physical evidence of past crashes, design elements and local conditions. Short-term, Interim, and Long-term Solutions were identified and outlined in RSA Reports. Client: STP in cooperation with LaDOTD.
03/2005 – 12/2010	<b>I-12 at Pinnacle Parkway/Brewster Road Interchange, St. Tammany Parish, Louisiana (454-04-0073):</b> Project Manager and Traffic Engineer for design and construction of a new Interchange on I-12 in St. Tammany Parish. During conceptual planning, prepared a VISSIM model to show how the Interchange would function upon completion. Project consisted of the conversion of an existing Rest Area to a new Interchange along I-12, requiring an Interchange Justification Report (IJR). The Interchange was approved by the Federal Highway Administration (FHWA) and construction was completed in 2009. Client: STP in cooperation with LaDOTD.
04/2003 – 10/2014	<b>Traffic Engineer and Project Manager for St. Tammany Parish, Louisiana:</b> Coordinated with outside consultants, LADOTD, New Orleans Regional Planning Commission and local municipalities on all Parish Road to ensure timely implementation and sufficient designs. Projects included roadway capacity, intersection improvements, traffic signal design and installation of roundabouts. Reviewed Traffic Impact Analyses (TIA's) to ensure proper traffic engineering practices, access management principles, proper analysis procedures, valid traffic counts, proper trip generations and trip distributions were utilized. In charge of all traffic control design at intersections throughout the Parish.


Firm employed by					
Name	Bradley Jacobs, EI		Years of relevant experience with this employer	2	
Title	Engineer Intern		Years of relevant experience with other employer(s)	5	
Degree(s) / Years / Specialization			BS / 2015 / Civil Engineering		
Active registration number / state / expiration date			32456 / LA / 9-30-2023		
Year registered	2015	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			As an Army veteran and LSU Graduate, Mr. Jacobs has experience in GIS, Surveying, and Civil Engineering. Most of his Civil Engineering and Survey experience is working on DOTD and municipal projects, including multiple roadway projects. He has worked on many projects from the initial survey to the final bid and completion of projects, including roadway geometrics and drainage calculations.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).				
06/2015 – 11/2019	<b>H.004435 – LA 3241: I-12 to Bush –</b> Mr. Jacobs was responsible for the quantity and cost summaries. He designed the temporary and permanent erosion control, cross sections, horizontal and vertical alignments, and drainage.				
06/2015 – 01/2020	<b>H.004104 – Pecue Lane Interchange –</b> Mr. Jacobs designed the drainage and drainage maps for this project. He worked on the design of horizontal and vertical alignments, geometry of the project including turn lanes, and the joint layout and graphical grades. Mr. Jacobs also was responsible for the quantities, cost estimates, and cross sections.				
01/2020 – 03/2020	<b>LA 964 over the Comite River Diversion Canal –</b> Mr. Jacobs was responsible for the horizontal and vertical alignments, designed the diversion road, superelevation, drainage, and the quantities and cost summaries.				
05/2017 – 06/2018	<b>LA 531 at I-20 Interchange (Roundabout) Project –</b> For this project, Mr. Jacobs worked on the design of the drainage, as well as being responsible for the quantities and cost estimates.				
05/2016 – 03/2020	<b>I-10 Widening from LA 73 to LA 30 –</b> Mr. Jacobs worked on checking the bridge alignments and updating the plans. He was also responsible for the quantities and cost estimates.				
07/2020 – 09/2020	<b>Tommy King Road reconstruction, Prairieville, Louisiana –</b> Designed reconstruction of roadway to meet Ascension Parish standards. Roadway was approximately 17 feet wide. Design included widening both travel lanes to 10-foot wide with 4-foot shoulders. Preliminary and Final plans were prepared to DOTD and Parish standards. Quantities and cost estimates were also prepared.				
06/2020 – 10/2021	<b>Several turn-lane designs, Louisiana –</b> Designed geometrics and striping for right and left turn lanes into several subdivisions. Preliminary and Final roadway plans were prepared to DOTD and Parish standards. Client: Various developers throughout Louisiana.				


Firm employed by			
Name	<b>Andrew Robichaux</b>	Years of relevant experience with this employer	<b>4</b>
Title	<b>Project Manager / CAD</b>	Years of relevant experience with other employer(s)	<b>5</b>
Degree(s) / Years / Specialization		Currently enrolled in degree courses; Construction Management and Engineering	
Active registration number / state / expiration date			
Year registered		Discipline	
Contract role(s) / brief description of responsibilities		Andrew is a junior engineer who has designed and produced quality construction plans for residential and commercial projects across south Louisiana. Previously, he was a member of survey crews that specialized in hydrographic and topographic surveys. He is trained and always willing to learn more about Autodesk and it's various CAD software programs.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
7/2017	<b>City of Tallulah, Ethel Street Drainage Improvement</b> Hydraulic and Hydrologic Study to determine a solution to the drainage problems in the area. In addition, it appears as though subsurface drainage systems located near Ethel Street were not being used to maximum capacity. Design of repair to drainage structures adjacent.		
09/2021-1/ 2022	<b>Windermere Crossing</b> A residential project in Ascension parish comprising of 103 lots. Role: designing the entire subdivision from centerline of roads, storm drainage systems, sanitary sewer, grading operations and mitigation calculations for project		
9/2021-1/2022	<b>Cannon Road East-West Corridor Improvements</b> A transportation improvement project on Cannon Road. The project stretches from the intersection of LA 44 and Cannon Road to the intersection of Ascension Highway 932 and Cannon Road. Improvements including mill and overlay operations, widening of existing roadway, regrading of roadside ditches and extension of drainage systems. Role: full design from concept to DOTD permit		
1/ 2020-4/2020	<b>Waters Cove</b> A residential project in the City of Gonzales comprising of 55 lots. This project also included a mill and overlay operation on S. Ida Avenue for the connection into the subdivision. Role: designing the entire subdivision from centerline of roads, storm drainage systems, sanitary sewer, water utility services, grading operations and mitigation calculations for project.		
1/2021-5/2021	<b>Heron Pointe</b> A residential project in the East Baton Rouge comprising of 53 lots. This project required coordination with BREC to make connection to existing sewer system in the property and storm drainage to Jack's Bayou. Role: designing the entire subdivision from centerline of roads, storm drainage systems, sanitary sewer, grading operations and mitigation calculations for project.		


Firm employed by					
Name	JEFFREY DIAMOND, PLS			Years of relevant experience with this employer	2
Title	Survey Manager			Years of relevant experience with other employer(s)	17
Degree(s) / Years / Specialization			Bachelor's Interdisciplinary Science; Surveying, Geography		
Active registration number / state / expiration date			PLS, Louisiana #0005186		
Year registered	3	Discipline	Surveying		
Contract role(s) / brief description of responsibilities			<ul style="list-style-type: none"> <li>• BS Engineering pending (estimated completion 2022)</li> <li>• Previous to joining QES to lead survey department, served as: Sr. Civil Designer; Sr. Party Chief; Supervising Professional and Chief Land Surveyor</li> <li>• Expertise and experience in commercial and industrial site development (horizontal and vertical control network, topographic and boundary surveys, as-built survey, geometric design, H&amp;H analysis, Utility placement, regulatory compliance, plan development, construction layout, construction administration, inspections, quality control surveys.</li> </ul>		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).				
2019	Bellacosa Subdivision, East Baton Rouge, LA; New total subdivision with amenities. Several hundred premier homes created on raw land; <b>topographic, boundary surveys</b> ; lot staking; civil design, <b>surveying services</b> , and project management during civil design and construction.				
2019	Whispering springs, Subdivision, Walker, LA; New total subdivision with amenities. Several hundred premier homes created on raw land; <b>topographic, boundary surveys</b> ; lot staking; civil design, <b>surveying services</b> , and project management during civil design and construction.				
Ongoing	Pelican Crossing Subdivision, Gonzales, LA; New total subdivision with amenities. Several hundred premier homes created on raw land; <b>topographic, boundary surveys</b> ; lot staking; civil design, <b>surveying services</b> , and project management during civil design and construction.				


Firm employed by					
Name	<b>Gage Spell, LSI</b>		Years of relevant experience with this employer	<b>7</b>	
Title	<b>Survey Technician</b>		Years of relevant experience with other employer(s)	<b>2</b>	
Degree(s) / Years / Specialization			<b>BS / 2017 / Physical Geography, minor in Survey</b>		
Active registration number / state / expiration date			<b>686/ LA / 3-31-2021</b>		
Year registered	<b>2018</b>	Discipline	<b>Land Survey Intern</b>		
Contract role(s) / brief description of responsibilities			<p>Mr. Spell graduated from Louisiana State University in December 2017 with a Bachelor of Science in Physical Geography and a Minor in Surveying. Since being part of the QES team, Mr. Spell has been the field inspector for many projects that have consisted of topographic surveys, hydrographic surveying locating geotechnical boring locations and identifying and locating existing utility and improvement locations. Mr. Spell is a Land Surveying Intern in Louisiana with 3 years in construction. He has 5 years of experience in surveying and civil engineering. Mr. Spell has experience in hazard mitigation work in Louisiana for Livingston and Tangipahoa parishes providing damage assessment and improvements for area damaged by the August 2016 flood. He oversees the drone flying for inspection, volumetric survey, and worksite survey.</p>		
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).				
03/2017-03/2020	<b>Bayou Portage Guidry, Breaux Bridge, St. Martin Parish –</b> Mr. Spell served as a survey technician on the Bayou Portage Guidry Project. A much larger study has been completed and the resulting design plans are being finalized to provide drainage improvement along a 5 mile stretch of Bayou Portage Guidry beginning at the termination of the mitigation project for Breaux Bridge Manor. With the channelization improvements and capacity and conveyance efficiencies achieved, St. Martin Parish will improve the conveyance and capacity capability along with improving drainage for a 25 square mile area of the Parish.				
05/2018- 05/2021	<b>Highway 1033 Drainage Improvement, Livingston Parish –</b> Mr. Spell served as a survey technician on the Highway 1033 Drainage Improvement Project. The project calls for the demolition, construction and elevate a new concrete bridge on concrete pilings on Highway 1033 in Livingston Parish, Louisiana. The new bridge will be 130 feet long and 26 feet wide with a deck elevation at 22.75 feet. In addition, the Parish proposes to armor 600 linear feet upstream of the LA Hwy 1033 bridge.				
04/2012- 05/2017	<b>Breaux Bridge Manor, St. Martin Parish –</b> Mr. Spell served as a survey technician for the Breaux Bridge Manor project, which removed an existing box culvert which was set at the incorrect elevation along Doyle Melancon Road in Breaux Bridge, LA. The study called for the design and installation of a larger culvert to replace the existing culvert which-set at the appropriate elevation.				
06/2012- 08/2019	<b>Boudreaux to Gilmore Drainage Improvements, St. Mary Parish –</b> The Boudreaux Street to Gilmore Drive Drainage Improvements project is converting a 1,117 lineal feet earthen ditch into a subsurface drainage system that currently backs-up and causes water to pond in a residential subdivision in which houses flood on a				

	regular basis. The project also includes replacing the existing pump station which moves water through this conveyance facility with a newer pump station with a significant increase in capacity, ensuring the drainage issues impacting the residential neighborhood which Boudreaux Street and Gilmore Street provide the ingress and egress for during heavy rain and flooding events.
	<b>Colyell Creek Drainage Improvement, Livingston Parish;</b> For this drainage improvement project, Mr. Spell flew the drone to assess the existing conditions of the creek, assessing the channel for blockage and collecting data for both the study and improvement of the creek.
	<b>Jesuit Bend Drainage Improvements, Plaquemines Parish, LA;</b> Mr. Spell acted as a field inspector and corrected drawings for this project. QES secured funding from GOSHEP/FEMA to complete designs, studies and surveys of the area to improve drainage in the Jesuit Bend area on Highway 23. The project included replacing existing culverts and installing new culverts at three different locations. Three studies or more than 60 acres were completed
	<b>Pine Bluff Road Drainage Improvements;</b> Mr. Spell identified that Pie Bluff Rd was several feet below base flood elevation. This elevation promoted flooding and restricted access to traffic and the several hundred homes at the end of the road.
	<b>Grays Creek Drainage Improvements, Livingston Parish;</b> QES provided surveying and engineering services for a drainage improvement project for Gray's Creek. At approximately 18 miles, Gray's Creek is the largest drainage project to be undertaken in Livingston Parish. R. Spell flew the drone down sections of the creek to examine the existing conditions and keep up with the progress of the work.


Firm employed by			
Name	<b>Jamie Bordelon, PLS</b>	Years of relevant experience with this employer	<b>10</b>
Title	<b>Professional Land Surveyor</b>	Years of relevant experience with other employer(s)	<b>8</b>
Degree(s) / Years / Specialization		<b>BS / 2002 / Geomatics</b>	
Active registration number / state / expiration date		<b>4977/ LA / 3-31-2022</b>	
Year registered	<b>2007</b>	Discipline	<b>Professional Land Surveyor</b>
Contract role(s) / brief description of responsibilities		<p>Jamie serves as supervising professional for Quality Engineering &amp; Surveying, LLC, specializing in turn-key design-build residential, commercial land development, and major roadway projects in South Louisiana. His duties and responsibilities include survey personnel management, project management, product QA/QC, and project planning and coordination. In addition to managing large-scale land development projects, he also helps manage a workflow of smaller, shorter-term municipal and commercial site projects for architects, contractors and engineers.</p>	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
07/2013- 07/2014	<b>Ascension Parish</b> - Principal Land Surveyor managing surveying and permitting operations including boundary, topographic, subdivision, and construction layout for 160+ acres residential PUD type development in Ascension Parish. Tasks included field crew management, process and review utility as-builts, LOMA/LOMR, road and utility layout supervision, preliminary boundary surveys, and final plat review.		
07/2010- 03/2012	<b>Plank Road – Kleinpeter Road Capacity Improvement Project, Baton Rouge, East Baton Rouge Parish</b> - Project Manager and Surveyor providing overall project coordination and surveying. He completed route survey to produce right of way maps for land acquisition through approximately 25,000 linear feet of sewer capacity improvement corridor in East Baton Rouge Parish. Fieldwork included evaluation of major thoroughfares and routes throughout Baton Rouge.		
08/2011- 05/2012	<b>Sherwood – Goodwood Blvd. Pipeline Capacity Improvement Project, Baton Rouge, East Baton Rouge Parish</b> - Managed the topographic and design surveying for approximately 28,000 linear feet of sewer capacity improvement in East Baton Rouge Parish. His duties included managing field crews, QA/QC of survey control, and utility coordination.		
1/2022	State Project No. H.013251: LA-114 X-Drain Replacement West of Hessmer; Client: Merrick Construction; Client: KCR Construction		
11/2021	State Project No. H.002381: LA-43 Creek Bridge near Albany (Albany, LA); Client: KCR Construction		
5/2021	State Project No. H.009956: LA-44 Intersections (Gonzales, LA); Client: KCR Construction		
5/2017	State Project No. H.002896: US 90 Frontage Rd. Drain Bridge Near Jeanerette (Jeanerette, LA); Client: Merrick Construction		
12/2015	East Baton Rouge City Parish Project No. 13-CS-CI-0060: Antioch Rd. Realignment (Baton Rouge, LA); Client: Merrick Construction.		


Firm employed by <b>ELOS Environmental, LLC</b>				
Name	<b>Lucas Watkins</b>		Years of relevant experience with this employer	<b>15</b>
Title	<b>President/Environmental Scientist</b>		Years of relevant experience with other employer(s)	<b>7</b>
Degree(s) / Years / Specialization		MS, 2005, Biological Sciences BS, 2000, Forest Management		
Active registration number / state / expiration date		N/A		
Year registered	2010	Discipline	Environmental Scientist / Arborist	
Contract role(s) / brief description of responsibilities		<i>Principal</i> Lucas Watkins is the President and founding Principal of ELOS. His experience includes environmental regulatory compliance and project management. This includes the management of large-scale, multi-faceted projects, such as disaster recovery debris removal efforts, wetland restoration implementation, government grant management, and complex construction projects. <b>Mr. Watkins serves as the quality control manager overseeing all projects to ensure that the client's needs are met in a timely and cost-efficient manner.</b>		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
2017	<b>LA 3234 EXTENSIONS TO HAMMOND AIRPORT ENVIRONMENTAL ASSESSMENT</b> Mr. Watkins acted as the principal in charge of overseeing this project providing guidance along the way.			
2017 – 2018	<b>I-10 HIGHLAND TO LA 73 DESIGN BUILD</b> Mr. Watkins was the principal on this project overseeing all aspects of the project to ensure efficiency and quality work.			
2017 – Present	<b>MOVE ASCENSION</b> Mr. Watkins oversees ELOS staff to perform the wetland delineations, as well as cultural resource field investigations. Mr. Watkins has also assisted Mr. Prather and ELOS team with permitting for all roadway permits as part of the Move Ascension project.			

Firm employed by <b>ELOS Environmental, LLC</b>					
Name	James "Jay" Prather III			Years of relevant experience with this employer	16
Title	Vice President/Environmental Scientist			Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization			BS, 2005, Biology		
Active registration number / state / expiration date			N/A		
Year registered	N/A		Discipline	N/A	
Contract role(s) / brief description of responsibilities			<i>Principal</i> James "Jay" Prather III, Vice President and co-founding Principal of ELOS, has over 20 years of experience as a professional consultant. Mr. Prather is experienced in government grant management as well as large-scale program and project management, and has extensive experience permitting complex, and often time sensitive projects such as bypass and toll roads, large-scale residential developments, disaster recovery debris removal efforts, and governmental infrastructure expansion projects. <b>Mr. Prather serves as an experienced consultant guiding personnel through complex permitting projects and working with clients to determine what is needed for each project.</b>		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).				
2017 – Present	<b><i>MOVE ASCENSION</i></b> Mr. Prather provides his input and expertise to the environmental scientists at ELOS to assist with permitting for all roadway permits as part of the Move Ascension project.				
2016 - Present	<b><i>NEW ORLEANS TO VENICE (NOV)–NON-FEDERAL LEVEES (NFL) DRAINAGE IMPROVEMENTS SEA #537 AND PERMITTING</i></b> Mr. Prather has assisted with monitoring the tasks performed which have included T&E surveys, delineations and assessments of jurisdictional wetlands, habitat characterizations, and environmental impact analyses. Mr. Prather, along with the ELOS team, prepared a draft Environmental Assessment (EA) and ran the Wetlands Value Assessment model (WVA) to calculate Average Annual Habitat Units (AAHUs) to be used in the mitigation process. Mr. Prather has also worked closely with ELOS staff to conduct routine conversations with the USACE and other state and federal agencies to discuss any needed information to ensure the project is being performed efficiently.				
2015 – 2018	<b><i>ST. TAMMANY DRAINAGE SYSTEM MAINTENANCE AND UPGRADE PERMITTING</i></b> Mr. Prather oversaw all of the technical and regulatory work throughout the process of this project.				

Firm employed by <b>ELOS Environmental, LLC</b>					
Name	<b>Brian Fortson</b>			Years of relevant experience with this employer	6
Title	<b>Senior Environmental Scientist</b>			Years of relevant experience with other employer(s)	25
Degree(s) / Years / Specialization			Juris Doctorate, 2006, Civil cum laude BS, 1995, Wetland Ecology		
Active registration number / state / expiration date			N/A		
Year registered	N/A		Discipline	N/A	
Contract role(s) / brief description of responsibilities			<i>Environmental / Permit Specialist</i> Mr. Fortson has years of experiencing working with regulatory agencies and navigating the permitting process for a variety of projects. <b>Mr. Fortson serves as the Senior Environmental Scientist at ELOS, providing his technical expertise and environmental knowledge for permitting efforts.</b>		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).				
2019 - PRESENT	<b><i>DOTD RURAL BRIDGE REPLACEMENTS</i></b> Mr. Fortson provides guidance to field biologists on identifying species and navigating permitting processes.				
2016	<b><i>KINGS ROAD BRIDGE REPLACEMENTS</i></b> Mr. Fortson was responsible for environmental compliance for the replacement of the bridge over Wrights Creek in northern St. Tammany Parish. His work included the supervision of field investigations and impact analysis for natural and cultural resources. He also prepared the Gopher Tortoise Inspection Report and coordinated with US Fish and Wildlife Service to secure concurrence on a finding of no effect.				
8/2017-7/2018	<b><i>LAND USE AND TRANSPORTATION STUDY HARRISON AVE EXT</i></b> Mr. Fortson assisted in the preparation of a DOTD Stage 0 Environmental Checklist for the extension of Harrison Avenue in Abita Springs from LA 59 to LA 36, a distance of 1.7 miles. Desktop and field data were collected to identify relevant resources in the project area. He assisted in the identification of land use, wetlands, community facilities, recreational assets, historic and cultural sites, hazardous waste sites.				
2017	<b><i>LA 3234 EXTENSION TO HAMMOND AIRPORT ENVIRONMENTAL ASSESSMENT</i></b> Mr. Fortson is responsible for the supervision of fieldwork, wetlands delineation, biological surveys, and Section 404 application for three alternative alignments being studied for the extension of E. University Avenue from LA 1065 to the				

	Hammond Airport. He provided the wetlands value assessment (WVA) to estimate mitigation costs for unavoidable impacts to wetlands.
8/20-Ongoing	<b>LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT (DOTD) RURAL BRIDGES PROJECT PHASE 1</b> Mr. Fortson is responsible for the oversight of conducting Wetland Delineations at 16 bridges along with preparing and submitting permit application packets to the United States Army Corps of Engineers (USACE) and Louisiana Department of Natural Resources (DNR) for Section 10/404 authorization, or Coastal Use Permits, where appropriate.
2015 – 2016	<b>US 51 (LA 22 TO CLUB DELUXE ROAD) DRAFT EA, PHASE I ESA, AND BIOLOGICAL SURVEY REPORT</b> Mr. Fortson supervised and participated in field investigations to support wetlands delineations and findings reports, biological surveys, and threatened and endangered species reports. He also provided coordination among natural resource agencies, consultation with landowners, and outreach to public groups.

Firm employed by: <b>ELOS Environmental, LLC</b>					
Name	<b>Cory Ricks</b>			Years of relevant experience with this employer	<b>6</b>
Title	<b>Environmental Scientist / Field Crew Manager</b>			Years of relevant experience with other employer(s)	<b>1</b>
Degree(s) / Years / Specialization			BS, 2015, Environmental Biology, Southeastern Louisiana University, Hammond, LA		
Active registration number / state / expiration date			N/A		
Year registered	N/A		Discipline	N/A	
Contract role(s) / brief description of responsibilities			<i>Environmental Scientist / Field Crew Manager</i> Mr. Ricks has led wetland delineation efforts for multiple projects for local development, mitigation banks, and infrastructure developments. Mr. Ricks has provided assistance with NEPA documentation, permitting, wetland delineations, GIS mapping and culture resource for a variety of projects. <b>Mr. Ricks is responsible for leading wetland delineations and managing ELOS's team of environmental scientist, field biologists, and data processors who complete</b>		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).				
2016 – Present	<b>LA 3234 EXTENSION TO HAMMOND AIRPORT ENVIRONMENTAL ASSESSMENT</b> Mr. Ricks performed the wetland delineation for all three routes and provided a report of the findings. Mr. Ricks also provided assistance for GIS mapping of the Wetlands Findings Report, Phase 1 Environmental Assessment Survey, and the Biological Assessment Survey. Mr. Ricks also provided a report of the threatened and endangered species known in the project area. Mr. Ricks led efforts on providing stream and waterbody data for each report.				
2016 – Present	<b>DOTD RURAL BRIDGE REPLACEMENTS</b> Mr. Ricks serves as the project manager for this project, ensuring that the work is completed on time and within budget and meets the requirements set by regulatory agencies.				
2021 – Present	<b>CITY OF KINDER DRAINAGE IMPROVEMENTS</b> Mr. Ricks provided assistance to Allen parish for the removal of woody and other accumulated debris in the waterways to restore drainage capacity and function. Mr. Ricks coordinated and corresponded with government agencies to obtain the necessary permits to allow the Parish to clear debris from the parish's waterways. His efforts in the project include: obtaining environmental permits (USACE, DNR CUP, and LDWF Scenic Rivers), identifying jurisdictional wetlands, obtaining and recording data for Damage Survey Reports, and completing wetland delineations.				


Firm employed by: <b>ELOS Environmental, LLC</b>					
Name	<b>Jesse McQuigg</b>		Years of relevant experience with this employer	<b>7</b>	
Title	<b>GIS Manager</b>		Years of relevant experience with other employer(s)	<b>2</b>	
Degree(s) / Years / Specialization			Drafting Design, 2014, Northshore Technical College, Hammond, LA		
Active registration number / state / expiration date			N/A		
Year registered	N/A		Discipline	N/A	
Contract role(s) / brief description of responsibilities			<p><i>GIS (Geographical Information Systems) Manager</i></p> <p>Almost all ELOS projects begin with data collection and mapping. As such, Mr. McQuigg and his team touch every project providing data collection and mapping services for clients. Mr. McQuigg has experience with ArcGIS Online, Collector of ArcGIS, Survey 123, Expert GPS, BaseCamp, and Google Earth. With the use of these software programs, he collects and interprets field data in support of environmental analyses and impact assessments. <b>Mr. McQuigg is responsible for leading the GIS team to collect data and create maps. The figures and maps he and his staff generate are vital to the development of National Environmental Policy Act (NEPA) documentation, Threatened and Endangered (T&amp;E) Species Surveys, Wetlands Delineations and Jurisdictional Determinations, Phase I Environmental Site Assessments, Section 404/10 and Coastal Use Permit applications, and wetlands assessment models.</b></p>		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).				
2017	<p><b>LA 3234 EXTENSION TO HAMMOND AIRPORT ENVIRONMENTAL ASSESSMENT</b></p> <p>Mr. McQuigg managed and conducted data collection from multiple sources to establish field data collection points for the wetland’s delineation and habitat identification through soil and terrain types. Mr. McQuigg post-processed GPS coordinates identifying the location of sample plots and sensitive areas that were provided to the client as GIS shapefiles for use in a comparative impact analysis.</p>				
2021	<b>US 51 (LA 22 TO CLUB DELUXE ROAD) DRAFT EA, PHASE I ESA, AND BIOLOGICAL SURVEY REPORT</b>				


	Mr. McQuigg provided data analysis of figure designs constructed in AutoCAD and ArcGIS. He developed maps using remote sensing aerial imagery and geographic information systems for the environmental assessment, wetlands delineations, Phase I ESA, and biological studies including gopher tortoise and red-cockaded woodpecker habitat analysis.
2021 – Present	<b><i>JEFFERSON TRANSIT BUS STOP IMPROVEMENTS DISTRICTS 1, 2, 4, AND 5</i></b> Mr. McQuigg manages the use of GIS, specifically utilizing Survey123 to collect data and images for real-time analysis and use in the planning processes.

Firm employed by **National Data & Surveying Services**




Name	Gustavo Clavijo		Years of relevant experience with this employer	7
Title	TX/LA/MS/AL Area Manager		Years of relevant experience with other employer(s)	N/A
Degree(s) / Years / Specialization			B.S in Business Administration	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			Project Coordinator	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract			
	Mr. Clavijo’s expertise includes field operations, project coordination, and study development. For over 7 years he managed the largest team of data collectors companywide from NDS’ corporate office in Los Angeles, CA before opening the Louisiana office. He has successfully managed thousands of turning movement counts, pedestrian and bicyclist counts, machine counts, and has also assisted in the successful coordination and collection of specialized studies.			
07/21 – 08/21	Managed 99 Pedestrian counts throughout the Hartsfield-Jackson Atlanta, GA International Airport for Ricondo & Associates			
01/20 – 12/21	Managed 45 TMCs, 25 Demand/Queuing Counts and 29 ATR Counts for Quality Engineering and Surveying in multiple cities throughout Louisiana			
01/20 – 12/21	Managed 24 TMCs with Demand/Queuing and 36 ATR Counts for Fenstermaker in multiple cities throughout Louisiana			
01/19 – 12/21	Managed 124 TMCs and 115 ATR Counts for Vectura Consulting Services in multiple cities throughout Louisiana			
02/14 – 12/18	Managed 300 Annual TMCs and 500 ATR Counts for the City of Los Angeles, CA			

Firm employed by <b>National Data &amp; Surveying Services</b>				 <small>National Data &amp; Surveying Services</small>	
Name	<b>Kevin Deal</b>		Years of experience with this firm/employer		<b>16</b>
Title	<b>Chief Operations Officer</b>		Years of experience with other firm(s)/employer(s)		<b>N/A</b>
Degree(s) / Years / Specialization			B.S in Production and Engineering		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Project Manager		
Experience dates (mm/yy–mm/yy)		Experience and qualifications relevant to the proposed contract			
		<p>Mr. Deal has amassed a great deal of experience in every aspect of the data collection industry. His expertise includes field operations, administrative operations, program development, R &amp; D and companywide quality control. He has successfully managed over 35,000 projects from inception to completion which have at times included customized study development as well as customized deliverables. Mr. Deal oversees the annual collection of approximately 20,000 Turning Movement Counts, 25,000 Automatic Traffic Recorder Counts, and thousands of specialized studies.</p>			
2019 - Present		Manage annual traffic counts which consist of approximately 946 ATR Counts, 1,057 TMCs, 606 Pedestrian Counts and 313 Bicycle Counts for New York City DOT			
2005 - Present		Manage annual traffic counts which consist of 700 ATR Counts and 300 TMCs for Los Angeles DOT			
01/20 – 02/20		Managed 104 TMCs and 16 ATR Counts for CATS Silver Line Project in Charlotte, NC			
03/17 – 12/17		Managed 310 ATR Counts, 103 TMCs and 17 Mainline Freeway Counts for Durham-Chapel Hill-Carrboro Metropolitan Planning Organization			
2005, 2007, 2009, 2011, 2013 & 2015		Managed 200 TMCs and 12,000 miles of Travel Time runs for OCTA (Orange County Transportation Authority) in Orange County, CA			

Firm employed by <b>National Data &amp; Surveying Services</b>				 <small>National Data &amp; Surveying Services</small>	
Name	<b>Anthony Troung</b>			Years of experience with this firm/employer	<b>4</b>
Title	<b>Senior Data Analyst</b>			Years of experience with other firm(s)/employer(s)	<b>N/A</b>
Degree(s) / Years / Specialization			B.S in Finance and Marketing		
Active registration number / state / expiration date			N/A		
Year registered	N/A		Discipline	N/A	
Contract role(s) / brief description of responsibilities			Data Collection Analyst		
Experience dates (mm/yy–mm/yy)	<b>Experience and qualifications relevant to the proposed contract</b>  Mr. Troung is the head of our QC Department for all data collected by NDS throughout the country. He is responsible for developing QC related procedures and techniques as well as the development of tools used to analyze the data. He is also responsible for companywide analyst training and direct supervision.				
2019 - Current	>20,000 Turning Movement counts with various classification and identification requirements such as: Multi-modal, FHWA Classification, Pedestrian, Bicycles, Flow/Contraflow, Gender Identification				
2019 - Current	>1,211 Pedestrian and Bicycle counts				
2019 - Current	>15,000 Automatic Traffic Recorders; Volume, Classification and/or Speed				
2019 - Current	>90 Origin-Destination studies of various sizes, matching matrices and methodologies				
2019 - Current	>225 Queue studies				

**17. Firm Experience:**

Firm name	<b>Quality Engineering &amp; Surveying, LLC</b> 		Past Performance Evaluation Category(ies)*	<b>Survey</b>	
Project name	<b>MOVE Ascension – State Hwy 73 @ Brown Rd; State Hwy 73 @ Oakland Rd</b>			Firm responsibility (prime or sub?)	<b>Sub</b>
Project number	<b>Project No. MA-18-03</b>	Owner's name	<b>Ascension Parish Government</b>		
Project location	<b>Prairieville, Ascension Parish, LA</b>		Owner's Project Manager	<b>Neel-Schaffer, Inc.; Dishili Young, P.E.</b>	
Owner's address, phone, email	<b>10000 Perkins Rowe, Suite G360, Baton Rouge, LA 70810</b> <b>(225) 614 - 2816   dishili.young@neel-schaffer.com</b>				
Services commenced by this firm (mm/yy)	<b>02/18</b>	Total consultant contract cost (\$1,000's)			<b>\$331,000</b>
Services completed by this firm (mm/yy)	<b>05/19</b>	Cost of consultant services provided by this firm (\$1,000's)			<b>\$54,000</b>


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

Provided prime consultant with boundary and topographic surveys to be used for design of project routes and intersections for a turn

lane and intersection improvements, and included existing road surfaces, subsurface drainage, open ditches, all utilities both above and underground, etc. Produced right of way maps to be used for acquisitions.

The topography surveys, property surveys, and right-of-way maps all met LaDOTD requirements and established existing property lines and rights-of-way. Title take-offs as required by proposed design.

Staff in this proposal: n/a

Firm name	<b>Quality Engineering &amp; Surveying, LLC</b>				Past Performance Evaluation Category(ies)*	<b>Survey</b>
Project name	<b>Chevelle Drive &amp; Sarasota Drive Bridge Replacements</b>				Firm responsibility (prime or sub?)	<b>Sub</b>
Project number	<b>H.013542</b>	Owner's name	<b>GEC, Inc.</b>			
Project location	<b>Baton Rouge, East Baton Rouge Parish</b>		Owner's Project Manager	<b>Jerome Lohman, PE GEC, Inc.</b>		
Owner's address, phone, email	<b>8282 Goodwood Boulevard</b> <b>Baton Rouge, LA 70806 225.612.4282</b> <a href="mailto:jlohman@gecinc.com">jlohman@gecinc.com</a>					
Services commenced by this firm (mm/yy)	<b>02/2019</b>	Total consultant contract cost (\$1,000's)	<b>--</b>			
Services completed by this firm (mm/yy)	<b>05/2019</b>	Cost of consultant services provided by this firm (\$1,000's)	<b>\$21,000</b>			

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

As part of the Federal Off-System Bridge Program, QES provided the prime consultant with topographic surveys of proposed bridge replacements to be used for design of project routes and bridge crossings, including existing road surfaces, existing bridges (super and substructures), subsurface draining, open ditches, all utilities both above and underground, etc.



This established existing property lines and right of ways for possible parcel/servitude acquisition. The topography surveys met LaDOTD requirements and Federal Off- System Bridge requirements.

Firm members involved in this project: n/a


Firm name	Quality Engineering & Surveying, LLC 			Past Performance Evaluation Disciplines(s)*	Other (Roadway Drainage)	
Project name	Breaux Bridge Manor Drainage Improvement Project				Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	St. Martin Parish Government			
Project location	Breaux Bridge, St. Martin Parish, LA			Owner's Project Manager	Heath Babineaux	
Owner's address, phone, email		301 West Port St., St. Martinville, LA 70582 (337) 394 – 2200   hbabineaux@stmartinparish.net				
Services commenced by this firm (mm/yy)		04/12	Total consultant contract cost (\$1,000's)			\$91,000
Services completed by this firm (mm/yy)		05/17	Cost of consultant services provided by this firm (\$1,000's)			\$91,000

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

Breaux Bridge Manor Apartment Complex lies near the intersection of Highway 347 and Doyle Melancon Road. An existing drainage ditch lies south of most of the developed area. This ditch carries drainage from the developed area to the outfall east of Doyle Melancon Road. With our firm's in-house surveying capabilities, we performed surveys and field verification of drainage concern. We included wetland scientist to provide us with an environmental review of areas affected by the proposed upgrades along the drainage route. Upon completion of the preliminary assessment and the Hydraulic and Hydrologic Study, we provided the parish a preliminary design complete with plans, specifications and an engineer's cost estimate.

Staff in this proposal: Deric Murphy, PE, LSI; William Purser, PE



Firm name	<b>Quality Engineering &amp; Surveying, LLC</b> 		Past Performance Evaluation Category(ies)*	<b>Other (Drainage)</b>
Project name	<b>Wallace Acres Drainage Improvement Project</b>		Firm responsibility (prime or sub?)	<b>Prime</b>
Project number	<b>N/A</b>	Owner's name	<b>Ascension Parish Government</b>	
Project location	<b>Gonzales, Ascension Parish, LA</b>		Owner's Project Manager	<b>Ron Savoy</b>
Owner's address, phone, email	<b>42077 Churchpoint Rd., Gonzales, LA 70737 (225) 450 - 1200</b>			
Services commenced by this firm (mm/yy)	<b>09/17</b>	Total consultant contract cost (\$1,000's)		<b>\$67,000</b>
Services completed by this firm (mm/yy)	<b>10/20</b>	Cost of consultant services provided by this firm (\$1,000's)		<b>\$60,000</b>

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

Quality Engineering and Surveying worked on drainage improvements for Wallace Acres Subdivision in Ascension Parish. Due to flooding issues that have been accruing in Wallace Acres Subdivision, QES was tasked to analyze existing drainage systems that consisted of cross-drain culverts, driveway culverts, grate inlets, roadside ditches, and rear yard ditches and come up with a possible solution to resolve the issue.

The survey crew had to complete topographic survey of the entire subdivision that included, inverts of every culvert, cross-sections of existing ditches, as well as locations of existing utilities, mailboxes, and fences. After the topographic survey was completed and processed, drainage analysis had to be done to identify problematic areas and to ensure that the proposed drainage system is adequate and can carry existing flows. With the support of the hydrologic software HydroCAD, construction plans were created with proposed improvements that covered culvert replacements, ditch regrading, erosion control, quantities, and standard plans for installation.

Staff in this proposal: Deric Murphy, PE, LSI; William Purser, PE; Gage Spell, LSI



Firm name	<b>Quality Engineering &amp; Surveying, LLC</b> 		Past Performance Evaluation Category(ies)*	<b>Other (residential development)</b>
Project name	<b>Cypress Reserve Subdivision</b>		Firm responsibility (prime or sub?)	<b>Prime</b>
Project number	<b>N/A</b>	Owner's name	<b>D.R. Horton</b>	
Project location	<b>Ponchatoula, Tangipahoa Parish, LA</b>		Owner's Project Manager	<b>Adam Kurz</b>
Owner's address, phone, email	<b>7696 Vincent Road, Denham Springs, LA 70726</b> <b>(225) 664 – 1240   gakurz@drhorton.com</b>			
Services commenced by this firm (mm/yy)	<b>03/16</b>	Total consultant contract cost (\$1,000's)		<b>\$89,000</b>
Services completed by this firm (mm/yy)	<b>02/22</b>	Cost of consultant services provided by this firm (\$1,000's)		<b>\$755,000</b>

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

Cypress Reserve is a 268 acre single family residential community in Ponchatoula, LA. It is located off of LA Hwy 22 and LA Hwy 445. The design of this 671 home community embraced the challenge of working with wetlands by making them a central theme and highlight of the community. Seventy acres of open space and 27 acres of ponds are strung together throughout the site using the preserved wetlands as the backbone of the design creating recreational space in resident's back yards. This multi-disciplinary approach to design allows a strong identity and community feeling to thrive throughout the development.

Staff in this proposal: Deric Murphy, PE, LSI; William Purser, PE; Gage Spell, LSI




Firm name	<b>Quality Engineering &amp; Surveying, LLC</b> 		Past Performance Evaluation Category(ies)*	<b>Other (residential development)</b>
Project name	<b>Whispering Springs Subdivision</b>		Firm responsibility (prime or sub?)	<b>Prime</b>
Project number	<b>N/A</b>	Owner's name	<b>D.R. Horton</b>	
Project location	<b>Walker, Livingston Parish, LA</b>		Owner's Project Manager	<b>Adam Kurz</b>
Owner's address, phone, email	<b>7696 Vincent Road, Denham Springs, LA 70726</b> <b>(225) 664 – 1240   gakurz@drhorton.com</b>			
Services commenced by this firm (mm/yy)	<b>06/17</b>	Total consultant contract cost (\$1,000's)		<b>\$592,000</b>
Services completed by this firm (mm/yy)	<b>08/22</b>	Cost of consultant services provided by this firm (\$1,000's)		<b>\$533,000</b>

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

Located in Livingston Parish along LA Highway 1019, Whispering Springs is a residential development with over 976 lots. Quality Engineering took over the project after the First Filing was already built. The development is designed into nine filings and was designed to accommodate West Colyell Creek and Beaver Creek running through the development. QES designed the infrastructure which includes drainage systems, sanitary sewer systems, utility systems such as water and gas, and roads. Most of this design was done through master planning and coordination through the various districts that govern the area. This includes working with Livingston Parish Sewer District #1 & #2 and Gravity Drainage District #2. Currently, infrastructure plans for the 2nd and 3rd Filings are under review by the respective entities and earthwork grading for those filings is taking place for the proposed development as well. The estimated completion of the Whispering Springs development is Summer of 2022.



Staff in this proposal: Deric Murphy, PE, LSI; William Purser, PE; Gage Spell, LSI

Firm name	Quality Engineering & Surveying, LLC				Past Performance Evaluation Category(ies)*	Other (Drainage)
Project name	Jesuit Bend Drainage Improvement Project				Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	Plaquemines Parish Government			
Project location	Plaquemines Parish, LA		Owner's Project Manager	Ken Dugas, PE		
Owner's address, phone, email	102 Avenue G, Belle Chase, LA 70037 (504) 297 – 5349   kdugas@ppgov.net					
Services commenced by this firm (mm/yy)	02/13	Total consultant contract cost (\$1,000's)			\$159,000	
Services completed by this firm (mm/yy)	10/22	Cost of consultant services provided by this firm (\$1,000's)			\$143,000	

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

Quality Engineering & Surveying, LLC will provide professional services to Plaquemines Parish to improve drainage in the area of Jesuit Bend on LA Highway. The proposed project will improve drainage by allowing water to convey from the east side of LA Hwy 23 to the west side to the existing drainage system.

This is a crucial project to Plaquemines Parish since flooding would occur due to the highway acting as a levee, floodwaters would pond over the road surface making it impossible for traffic to pass. In addition to flooding along the highway, a railway would incur damages on an annual basis due to the water not being able to run-off properly.

Staff in this proposal: Deric Murphy, PE, LSI



Firm name	<b>Quality Engineering &amp; Surveying, LLC</b> 		Past Performance Evaluation Category(ies)*	<b>Other (Residential development)</b>
Project name	<b>Keystone of Galvez Subdivision</b>		Firm responsibility (prime or sub?)	<b>Prime</b>
Project number	<b>N/A</b>	Owner's name	<b>American Homeland, LLC</b>	
Project location	<b>Galvez, Ascension Parish, LA</b>		Owner's Project Manager	<b>Mr. Murphy is the preferred contact for this client.</b>
Owner's address, phone, email	<b>18320 Hwy 42, Port Vincent, LA 70726</b> <b>(225) 698 – 1600   dmurphy@qesla.com</b>			
Services commenced by this firm (mm/yy)	<b>09/10</b>	Total consultant contract cost (\$1,000's)		<b>\$826,000</b>
Services completed by this firm (mm/yy)	<b>06/17</b>	Cost of consultant services provided by this firm (\$1,000's)		<b>\$740,000</b>

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

Keystone of Galvez is a residential subdivision located in the northern portion of Ascension Parish with a total of 932 lots. This project includes the design and construction of 7 miles of asphalt roadway. It included horizontal and vertical alignments, paving design, storm water detention facilities, sanitary sewer pump stations, grading, erosion control plan, and storm water pollution prevention plan. The design and construction of a bridge on Timberstone Drive for Henderson Bayou was also included in the initial phase of the subdivision. QES designed several areas within the residential subdivision for residents to enjoy, such as walking trails and parks to play along the way.

Staff in this proposal: Deric Murphy, PE, LSI

Firm name	<b>Quality Engineering &amp; Surveying, LLC</b> 		Past Performance Evaluation Category(ies)*	<b>Road</b>
Project name	<b>Pine Bluff Road Drainage Improvement Project</b>		Firm responsibility (prime or sub?)	<b>Prime</b>
Project number	<b>N/A</b>	Owner's name	<b>Livingston Parish Government</b>	
Project location	<b>Denham Springs, Livingston Parish, LA</b>		Owner's Project Manager	<b>Mark Harrell</b>
Owner's address, phone, email	<b>20355 Government Blvd., Livingston, LA 70754 (225) 686 - 4400   mharrell@lpgov.com</b>			
Services commenced by this firm (mm/yy)	<b>05/18</b>	Total consultant contract cost (\$1,000's)	<b>\$83,000</b>	
Services completed by this firm (mm/yy)	<b>05/21</b>	Cost of consultant services provided by this firm (\$1,000's)	<b>\$78,000</b>	

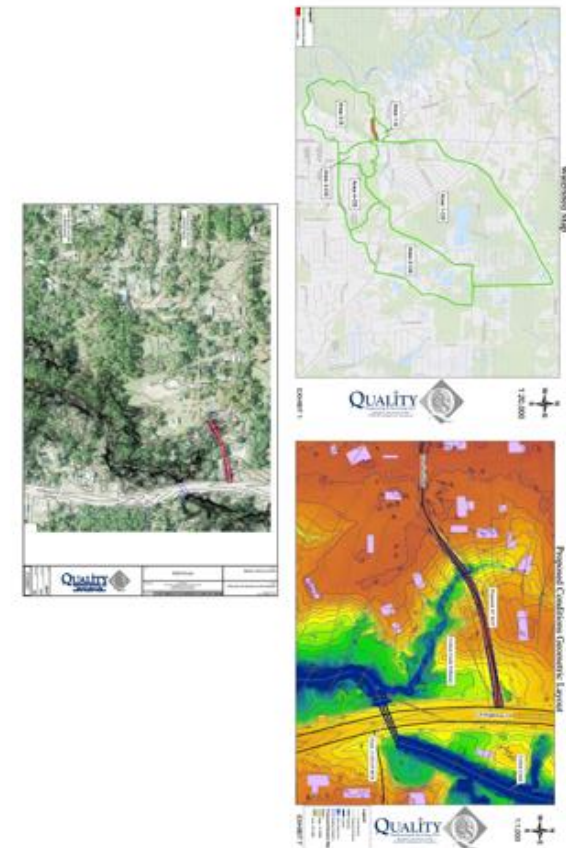
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

Pine Bluff Road is a Livingston Parish road off LA Hwy 16 and is the only access for Pine Bluff Acres subdivision that includes

approximately 130 homes. The road currently gets inundated during the 5-year and greater frequency events, isolating all homes from access to Hwy 16. QES was selected to complete a project to reduce roadway inundation occurrences, it is proposed that Pine Bluff Road be raised up to an elevation of 43 feet. In addition, a cross drain culvert would be installed to maintain existing drainage patterns to remain without flooding upstream areas. Under the proposed conditions the road would not be inundated during of the 5, 10, and 25-year events. The road will remain open throughout construction. Some realignment of ramps was required to allow for higher levels of safety and to provide better traffic flow for merging and lane drops.

QES provided survey, environmental engineering, design and construction and administration, and resident inspection services. Other services included a feasibility study, geotechnical investigation, and an H&H study.

Staff in this proposal: Deric Murphy, PE, LSI; William Purser, PE



Firm name	<b>Quality Engineering &amp; Surveying, LLC</b> 		Past Performance Evaluation Category(ies)*	<b>Other (Residential development)</b>
Project name	<b>Bellacosa Subdivision</b>		Firm responsibility (prime or sub?)	<b>Prime</b>
Project number	<b>Project No. MA-18-03</b>	Owner's name	<b>D.R. Horton</b>	
Project location	<b>Baton Rouge, East Baton Rouge Parish, LA</b>		Owner's Project Manager	<b>Adam Kurz</b>
Owner's address, phone, email	<b>7696 Vincent Road, Denham Springs, LA 70726</b> <b>(225) 664 – 1240   gakurz@drhorton.com</b>			
Services commenced by this firm (mm/yy)	<b>08/17</b>	Total consultant contract cost (\$1,000's)		<b>\$1,145,000</b>
Services completed by this firm (mm/yy)	<b>05/21</b>	Cost of consultant services provided by this firm (\$1,000's)		<b>\$1,025,000</b>

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


Located in East Baton Rouge Parish along Jones Creek Road, Bellacosa is a residential development containing 425 lots. The development is designed into four filings. QES designed the grading and infrastructure which includes drainage systems, sanitary sewer systems, and roads. Most of this design was done through master planning and coordination through City of Baton Rouge. This includes working with the City of Baton Rouge Subdivision office, Planning Commission, and Department of Environmental Services. Currently, infrastructure plans for the 3rd and 4th Filings are under review by the respective entities and construction for the 1st and 2nd Filings is taken place. Estimated completion of the full Bellacosa development is Fall of 2020.

Staff in this proposal: Deric Murphy, PE, LSI; William Purser, PE



The following project examples are offered by our subconsultant

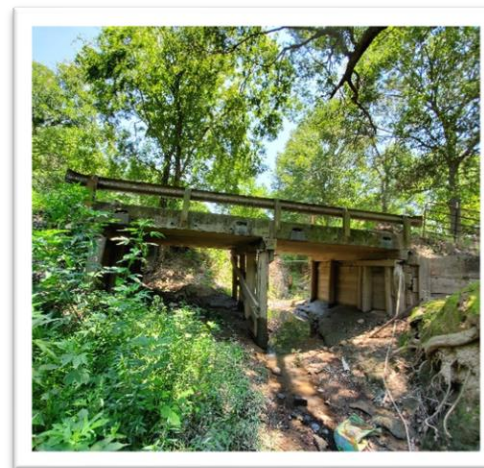



Firm name	<div> <div>ELOS Environmental, LLC</div>  </div>		Past Performance Evaluation Discipline(s)*	Environmental	
Project name	DOTD Rural Bridge Replacements (Phase I & Phase II)			Firm responsibility (prime or sub?)	Sub
Project number	REFER TO LIST ON NEXT PAGE	Owner's name	Louisiana DOTD		
Project location	Throughout Louisiana			Owner's Project Manager	Amanda Ranck, P.E.
Owner's address, phone, email	1201 Capital Access Road, Baton Rouge, LA 70002, 225-379-1338, amanda.ranck@la.gov				
Services commenced by this firm (mm/yy)	8/20	Total consultant contract cost (\$1,000's)			N/A
Services completed by this firm (mm/yy)	Current	Cost of consultant services provided by this firm (\$1,000's)			\$3,943,030

**Services Provided:** NEPA Consulting Services, Wetland Delineations, and Permitting

ELOS environmental was contracted by DOTD for environmental services as part of the DOTD Rural Bridges Replacement Initiative. The project purpose is to replacement aging and degrading bridges in rural areas throughout Louisiana. ELOS is responsible for conducting Wetland Delineations for several locations. ELOS is was contracted to prepare and send out a Solicitation of Views as part of the requirements of the National Environmental Policy Act (NEPA) of 1970 for federally funded projects. ELOS is also responsible for preparing and submitting permit application packets to the United States Army Corps of Engineers (USACE) and Louisiana Department of Natural Resources (DNR) for Section 10/404 authorization, or Coastal Use Permits, where appropriate.

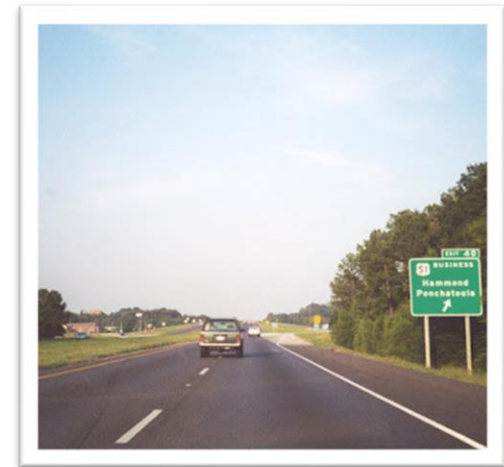
**Firm Personnel Involved:** Lucas Watkins, James Prather, Brian Fortson, Cory Ricks, and Jesse McQuigg.




Firm name	ELOS Environmental, LLC 		Past Performance Evaluation Discipline(s)*	Environmental	
Project name	U.S. 51 Improvements (LA 22 - Club Deluxe Rd)			Firm responsibility (prime or sub?)	Sub
Project number	H.008399	Owner's name	N-Y Associates/NORPC/DOTD		
Project location	Hammond to Ponchatoula, LA		Owner's Project Manager	Bruce Richards/Nick Olivier	
Owner's address, phone, email	2750 Lake Villa Drive, Metairie, LA 70002, (504) 885-0500, brichards@n-yassociates.com				
Services commenced by this firm (mm/yy)		12/14	Total consultant contract cost (\$1,000's)		N/A
Services completed by this firm (mm/yy)		07/18	Cost of consultant services provided by this firm (\$1,000's)		\$147,500

**Services Provided:** NEPA Consulting Services, Environmental Assessment, Data Collection, Wetlands Findings Report, and GIS Services.

In compliance with National Environmental Policy Act (NEPA) requirements, ELOS assisted in the preparation of an environmental assessment (EA) for the proposed project which included responsibility for developing sections of the EA addressing threatened and endangered species, wetland issues, recreational resources, hazardous and toxic materials impacts, public involvement issues, and agency coordination through SOV letters. ELOS also provided extensive data collection and GIS and mapping production. The DOTD is proposing to expand approximately 2.59 miles of U.S. Route 51 Business between its intersections with Louisiana Highway 22 and Club Deluxe Road in Ponchatoula, Tangipahoa Parish, Louisiana. ELOS was tasked to write a Wetlands Finding report. ELOS performed site visits and collected data to determine the potential jurisdictional wetlands and other waters of the U.S. Representative sample locations were chosen to characterize the site. At each sample location, vegetation species were recorded and dominance was estimated, soil samples were collected and examined for identification and determination of hydric properties, and observations were made on hydrologic conditions. Data forms and photographs were taken to document site conditions, which will aid in the development of project alternatives. Compensatory mitigation may be required for the unavoidable loss of wetlands, and a mitigation cost analysis will be conducted.



**Firm Personnel Involved:** Lucas Watkins, James Prather, Brian Fortson, and Jesse McQuigg.

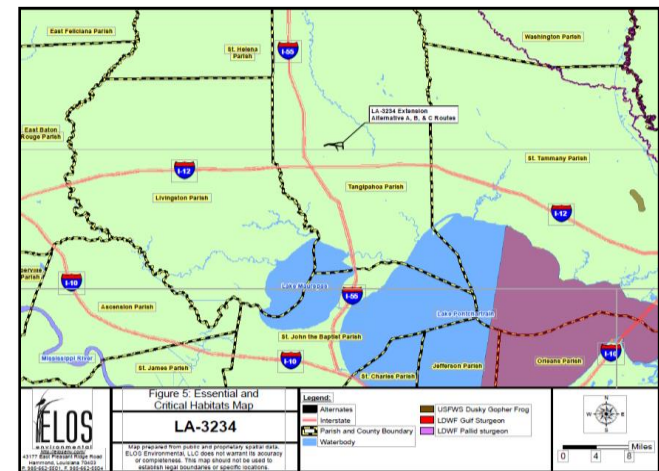
Firm name	ELOS Environmental, LLC 		Past Performance Evaluation Discipline(s)*		Environmental
Project name	LA 3234 Extension from LA 1065 to Hammond Airport			Firm responsibility (prime or sub?)	Sub
Project number	H.008915	Owner's name	N-Y Associates/DOTD		
Project location	Hammond, LA		Owner's Project Manager	Bruce Richards/Peggy Jo Paine	
Owner's address, phone, email	2750 Lake Villa Drive, Metairie, LA 70002, (504) 885-0500, brichards@n-yassociates.com				
Services commenced by this firm (mm/yy)	01/17	Total consultant contract cost (\$1,000's)			N/A
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)			\$101,400


**Services Provided:** Jurisdictional Determination, Phase I Environmental Site Assessment, Threatened and Endangered Species Survey, Mitigation Services, and GIS Services.

ELOS is the subcontractor responsible for natural resource and due diligence investigations in support of a Stage 1 Environmental Assessment for the extension of LA 3234 on a combination of existing and new alignments. Three alternative routes are being investigated that will connect the end of University Avenue to the Hammond Airport, allowing for a direct route from I-55 to the airport. ELOS will prepare a wetlands delineation, biological resource surveys, including determination of the likely presence of habitat for threatened, endangered (T&E), other protected species, and species of concern.

ELOS will also prepare the Phase I Site Assessment according to ASTM 1527-13 as it pertains to the LDOTD right-of-way acquisition process. Wetlands, water resources, critical habitat, and significant trees will be identified and mapped for use in the comparative impact analysis of the three alternatives under consideration. ELOS is also a partner for Tangipahoa Parish stakeholder engagement.

**Firm Personnel Involved:** Lucas Watkins, Jay Prather, Brian Fortson, and Jesse McQuigg.

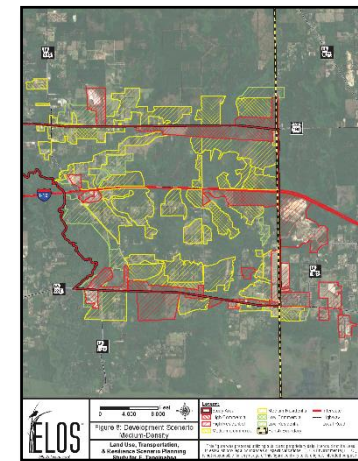


Firm name	ELOS Environmental, LLC 		Past Performance Evaluation Discipline(s)*	Planning
Project name	Land Use, Transportation, and Resilience Scenario Planning Study (RPC Task ETangi)		Firm responsibility (prime or sub?)	Prime
Project number	H.013576	Owner's name	New Orleans Regional Planning Commission/DOTD	
Project location	East Tangipahoa Parish, LA		Owner's Project Manager	Tom Haysley
Owner's address, phone, email	10 Veterans Memorial Blvd, New Orleans, LA 70124, (225) 293-7270, thaysley@norpc.org			
Services commenced by this firm (mm/yy)	10/18	Total consultant contract cost (\$1,000's)		N/A
Services completed by this firm (mm/yy)	12/20	Cost of consultant services provided by this firm (\$1,000's)		\$61,800

**Services Provided:** DOTD Stage 0 Checklist, GIS-based Population Model Projections, Land Use Policy Guidance, and Resilience Planning.


ELOS Environmental was contracted for the land use, transportation, and resilience planning study of the southeastern area of Tangipahoa Parish. The study area's limits are as follows: U.S. Highway 190 to the north, the Tangipahoa River to the west, Louisiana Highway 22 to the south, and the St. Tammany Parish line to the east. On August 9, 2016 the Regional Planning Commission amended and expanded the Metropolitan Planning Area for the South Tangipahoa Urbanized area to include the portion of the parish south of Louisiana Highway 40 and east of the Tangipahoa River in recognition of significant land use development occurring in that area of the parish.

The project is being carried out in coordination with Tangipahoa Parish and the Regional Planning Commission. The ELOS Team performed a study to identify land use scenarios that forecast future residential, commercial, and industrial development within the study area. A traffic study was conducted to determine the existing traffic volume and to model and project future transportation demands. The transportation network in the project area was studied to determine the need for capacity and connectivity projects. With the Tangipahoa River as the Parish's largest watershed, the study also considered flood resilience in the future land use scenarios.



Scenario alternatives were developed to compare impacts from various density levels of commercial, residential, institutional, industrial, and recreational land uses. The ELOS Team suggested a hybrid of the Low- and Medium- Density Scenarios with an I-12 interchange at Firetower Road as the most beneficial option for the Study Area. A list of transportation improvement projects was identified as were policy suggestions for the Parish to enhance economic development, to use existing infrastructure to the highest and best use, to provide for a wide range of housing costs and living styles, and to consider the natural environment for resilience and storm protection.

**Firm Personnel Involved:** Lucas Watkins, James Prather, and Jesse McQuigg.

Firm name	ELOS Environmental, LLC 	Past Performance Evaluation Discipline(s)*	Data Collection
Project name	Transit Stop Improvements Plan for Council District 3	Firm responsibility (prime or sub?)	Sub
Project number	616-1492	Owner's name	Jefferson Parish Dept. of Capital Projects/ECM Consultants, Inc.
Project location	Jefferson Parish, LA	Owner's Project Manager	Ujjal DasGupta, P.E.
Owner's address, phone, email	4409 Utica ST, Ste 200, Metairie, LA 70006, (504) 885-4080, ujjal@ecmconsultants.com		
Services commenced by this firm (mm/yy)	12/16	Total consultant contract cost (\$1,000's)	N/A
Services completed by this firm (mm/yy)	12/17	Cost of consultant services provided by this firm (\$1,000's)	\$138,200

**Services Provided:** Consulting Services, GIS Services, and Data Collection.

ELOS was hired as the subconsultant to ECM, Inc. to establish a GIS database documenting the current location and condition of Jefferson Transit (JeT) transit stops in Council District 3. Using transit data and previous reports provided by the Regional Planning Commission (RPC) and consulting engineers, ELOS established a record for each of the 300 transit stops within the district, and then field verified the stop geographic location and existing conditions. The field collected data included infrastructure such as signs, waiting areas, benches, shelters along with access and connectivity information such as sidewalks, curb ramps, pedestrian signals, crosswalks, and detectable warning systems. The GIS database was published online to provide stakeholders an opportunity to view conditions through interactive mapping.

A prioritization scheme was presented to identify a target area for conceptual designs that would improve not only the condition at the stop for transit riders including access for riders of all abilities, but also ensure that the stop is connected to its surroundings by pedestrian and biking facilities. The final report was reviewed and accepted by Jefferson Transit and the RPC.

**Firm Personnel Involved:** Lucas Watkins, Jay Prather, and Jesse McQuigg.

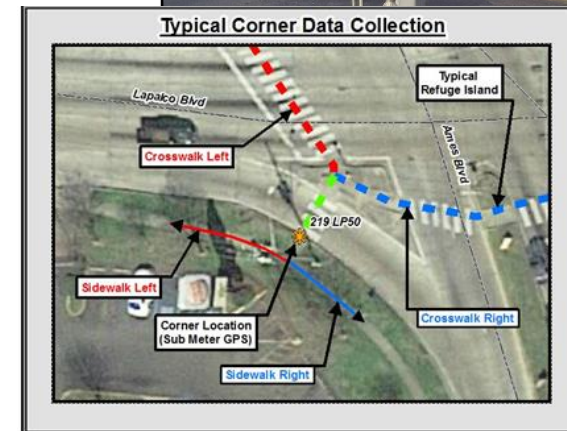


Exhibit 1 – Data Collection at Nearest Corner

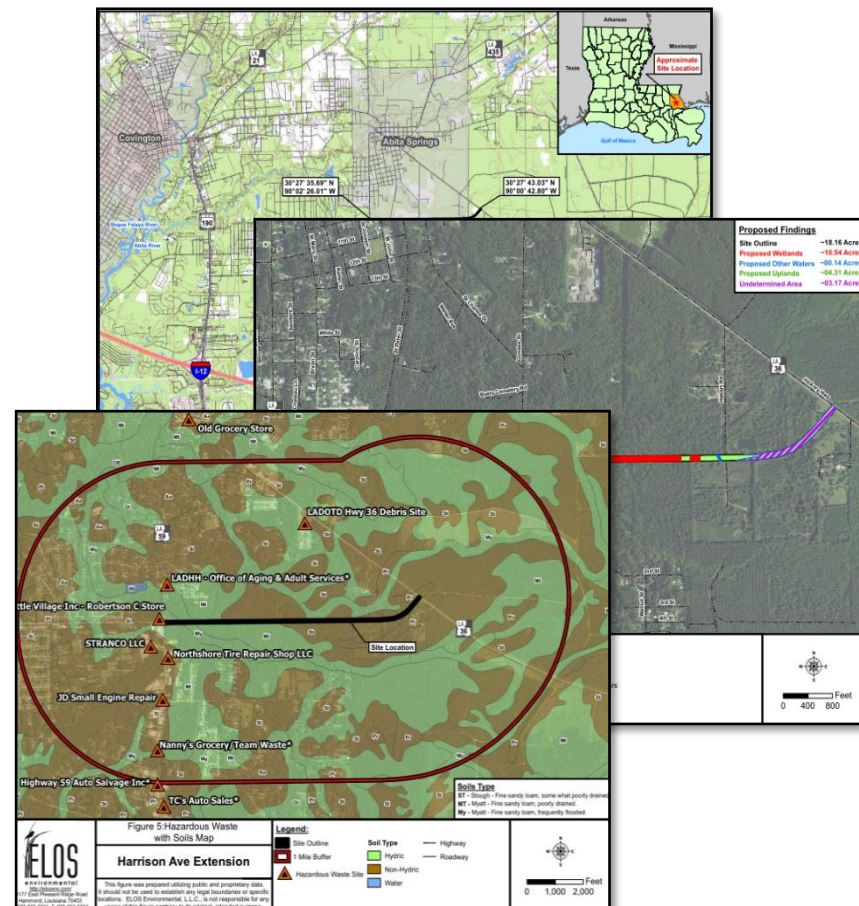
Firm name	ELOS Environmental, LLC	Past Performance Evaluation Discipline(s)*	Planning
Project name	Land Use and Transportation Study Harrison Avenue Extension - St. Tammany Parish	Firm responsibility (prime or sub?)	Sub
Project number	RPC Task MC-2.18	Owner's name	New Orleans RPC/Principal Engineering (prime)
Project location	Slidell, LA	Owner's Project Manager	Chris Laborde
Owner's address, phone, email	10 Veterans Memorial Blvd, New Orleans, LA 70124, (504) 483-8500, claborde@norpc.org		
Services commenced by this firm (mm/yy)	08/17	Total consultant contract cost (\$1,000's)	N/A
Services completed by this firm (mm/yy)	07/18	Cost of consultant services provided by this firm (\$1,000's)	\$8,000

**Services Provided:** DOTD Stage 0 Checklist; GIS-based Population Model Projections; Land Use Policy Guidance; Concept Planning; Impacts, Mitigation, and Drainage Analyses.

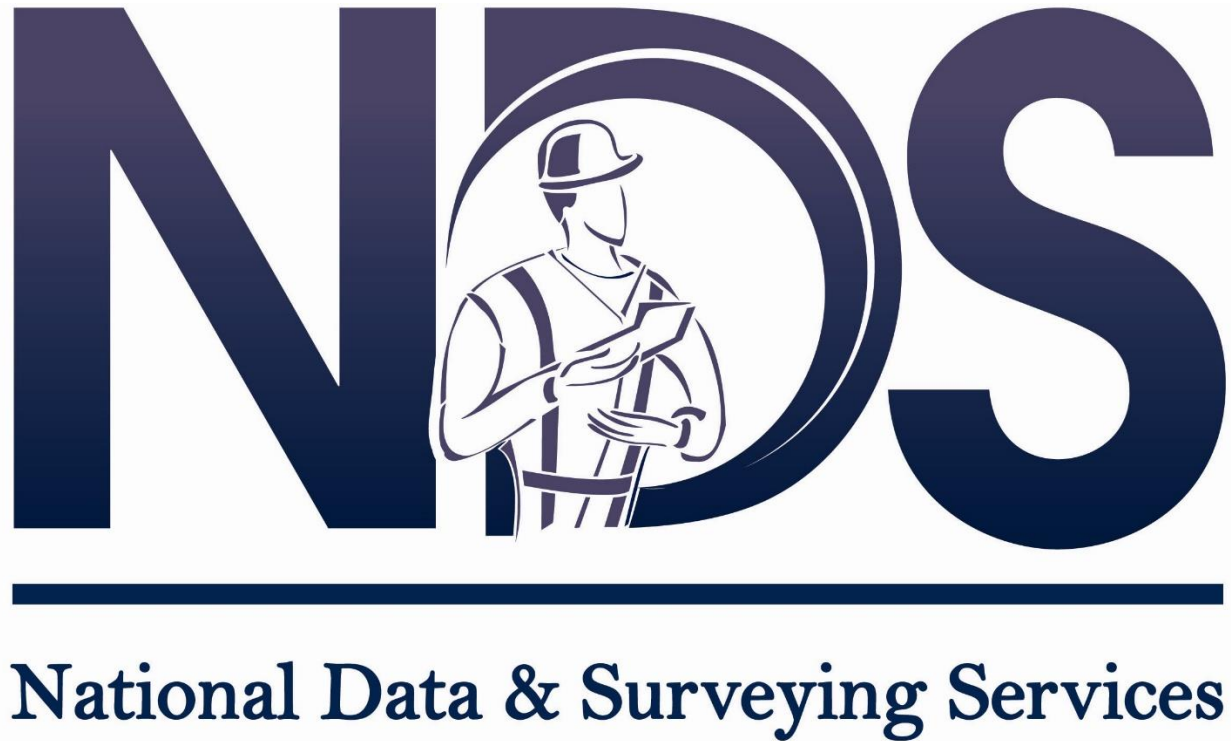
ELOS was contracted by Principal Engineering (prime) to prepare a DOTD Stage 0 Environmental Checklist for an extension of Harrison Avenue in Abita Springs from LA 59 to LA 36, a distance of 1.7 miles.

ELOS collected desktop and field data to identify relevant resources in the project area. ELOS mapped land use, wetlands, community facilities, recreational assets, historic and cultural sites, hazardous waste sites, and provided a demographic profile by race/ethnicity and income.

**Firm Personnel Involved:** Brian Fortson and Jesse McQuigg.



The following project examples are offered by our subconsultant




Firm name	National Data & Surveying Services		Past Performance Evaluation Discipline(s)*	Data-Collection
Project name	Market St Extension Permit Scope		Firm responsibility (prime or sub?)	Sub
Project number	N/A	Owner's name	Fenstermaker	
Project location	Hammond, LA		Owner's Project Manager	Diane Hammonds
Owner's address, phone, email	445 North Blvd, Suite 650 Baton Rouge, LA 70802 (504) 858-8899 diane@fenstermaker.com			
Services commenced by this firm (mm/yy)	12/21	Total consultant contract cost (\$1,000's)	17	
Services completed by this firm (mm/yy)	12/21	Cost of consultant services provided by this firm (\$1,000's)	N/A	

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

NDS was contracted to collect:

- 4- 7 Day ATR Classification Counts
- 7- 48hr Approach ATR Classification Counts
- 11- TMCs with Demand, Peds, Bikes & Heavy Truck Classification
- 50- Driveway counts

Members involved in this project: Kevin Deal and Gustavo Clavijo.


Firm name	National Data & Surveying Services		Past Performance Evaluation Discipline(s)*	Data-Collection
Project name	US-190 Traffic Counts		Firm responsibility (prime or sub?)	Sub
Project number	N/A	Owner's name	Neel-Schaffer	
Project location	Mandeville, LA	Owner's Project Manager	Ellen Howard	
Owner's address, phone, email	10000 Perkins Rowe, G360 Baton Rouge, LA 70810 (225) 924-0235 ellen.howard@neel-schaffer.com			
Services commenced by this firm (mm/yy)	10/21	Total consultant contract cost (\$1,000's)	21	
Services completed by this firm (mm/yy)	12/21	Cost of consultant services provided by this firm (\$1,000's)	N/A	

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

NDS was contracted to collect:

- 29- 48hr Approach ATR Classification Counts
- 20- TMCs Peds, Bikes & Heavy Truck Classification
- 94- Driveway counts
- 2- Radar (Spot Speed Survey)

Members involved in this project: Kevin Deal and Gustavo Clavijo.


Firm name	National Data & Surveying Services		Past Performance Evaluation Discipline(s)*	Data-Collection
Project name	MoveBR Terrace Traffic Counts		Firm responsibility (prime or sub?)	Sub
Project number	N/A	Owner's name	Arcadis	
Project location	Baton Rouge, LA		Owner's Project Manager	Kester Hollier
Owner's address, phone, email	3850 N Causeway Blvd. Ste. 990 Metairie, LA 70002 (504) 343-9579 kester.hollier@arcadis.com			
Services commenced by this firm (mm/yy)	09/21	Total consultant contract cost (\$1,000's)	6	
Services completed by this firm (mm/yy)	09/21	Cost of consultant services provided by this firm (\$1,000's)	N/A	

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

NDS was contracted to collect:

- 5- 48hr Approach ATR Speed Counts
- 8- 48hr Approach ATR Classification Counts
- 6- 14hr Ped & Bike Counts

Members involved in this project: Kevin Deal and Gustavo Clavijo.


Firm name	National Data & Surveying Services		Past Performance Evaluation Discipline(s)*	Data-Collection
Project name	Jefferson Parish Traffic Counts		Firm responsibility (prime or sub?)	Sub
Project number	N/A	Owner's name	Quality Engineering & Surveying	
Project location	Jefferson Parish, LA		Owner's Project Manager	Rebecca Lala
Owner's address, phone, email	18320 Hwy. 42 Port Vincent, LA 70726 (985) 705-1830 rlala@gesla.com			
Services commenced by this firm (mm/yy)	04/21	Total consultant contract cost (\$1,000's)	7	
Services completed by this firm (mm/yy)	06/21	Cost of consultant services provided by this firm (\$1,000's)	N/A	

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

NDS was contracted to collect:

- 2- 7 Day ATR Classification Counts
- 6- TMCs with Demand, Peds, Bikes and Heavy Truck Classification

Members involved in this project: Kevin Deal and Gustavo Clavijo.


Firm name	National Data & Surveying Services		Past Performance Evaluation Discipline(s)*	Data-Collection
Project name	College Dr Traffic Counts		Firm responsibility (prime or sub?)	Sub
Project number	N/A	Owner's name	Vectura Consulting Services	
Project location	Baton Rouge, LA	Owner's Project Manager	Laurence Lambert	
Owner's address, phone, email	PO Box 14269 Baton Rouge, LA 70898 (225) 223-6685 llambert@vecturacs.com			
Services commenced by this firm (mm/yy)	03/21	Total consultant contract cost (\$1,000's)	20	
Services completed by this firm (mm/yy)	04/21	Cost of consultant services provided by this firm (\$1,000's)	N/A	

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

NDS was contracted to collect:

- 32- 48hr ATR Classification Counts
- 12- TMCs with Demand, Peds, Bikes & Heavy Truck Classification
- 91- Driveway counts

Members involved in this project: Kevin Deal and Gustavo Clavijo.

Firm name	National Data & Surveying Services		Past Performance Evaluation Discipline(s)*	Data-Collection
Project name	Westbank Transportation Road and Rail- Sub-area Analysis Jefferson Parish Stage 0 Feasibility Study		Firm responsibility (prime or sub?)	Sub
Project number	Task A-3.21JP; FY 21 UPWP	Owner's name	Alliance Transportation Group	
Project location	Westbank, LA	Owner's Project Manager	Ed Elam	
Owner's address, phone, email	748 Bayou Pines East, Suite C Lake Charles, Louisiana, 70601 (504) 217-5836 EElam@emailatg.com			
Services commenced by this firm (mm/yy)	03/21	Total consultant contract cost (\$1,000's)	9	
Services completed by this firm (mm/yy)	06/21	Cost of consultant services provided by this firm (\$1,000's)	N/A	

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

NDS was contracted to collect:

- 17- 3 Day ATR Classification Counts
- 11- TMCs with Demand, Peds, Bikes & Heavy Truck Classification

Members involved in this project: Kevin Deal and Gustavo Clavijo.


Firm name	National Data & Surveying Services		Past Performance Evaluation Discipline(s)*	Data-Collection
Project name	LA-433 Traffic Counts		Firm responsibility (prime or sub?)	Sub
Project number	N/A	Owner's name	Fenstermaker	
Project location	Slidell, LA		Owner's Project Manager	Diane Hammonds
Owner's address, phone, email	445 North Blvd, Suite 650 Baton Rouge, LA 70802 (504) 858-8899 diane@fenstermaker.com			
Services commenced by this firm (mm/yy)	12/20	Total consultant contract cost (\$1,000's)	12	
Services completed by this firm (mm/yy)	12/20	Cost of consultant services provided by this firm (\$1,000's)	N/A	

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

NDS was contracted to collect:

- 5- 7 Day ATR Classification Counts
- 8- 24hr TMCs with Peds, Bikes and Heavy Truck Classification

Members involved in this project: Kevin Deal and Gustavo Clavijo.


Firm name	National Data & Surveying Services		Past Performance Evaluation Discipline(s)*	Data-Collection
Project name	Livingston Area Traffic Counts		Firm responsibility (prime or sub?)	Sub
Project number	N/A	Owner's name	Urban Systems	
Project location	Livingston Parish, LA		Owner's Project Manager	Alben Cooper
Owner's address, phone, email	2000 Tulane Ave, Suite 200 New Orleans, LA 70112 (504) 523-5511 acooper@urbansystems.com			
Services commenced by this firm (mm/yy)	11/20	Total consultant contract cost (\$1,000's)	6	
Services completed by this firm (mm/yy)	11/20	Cost of consultant services provided by this firm (\$1,000's)	N/A	

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

NDS was contracted to collect:

- 4- 7 Day ATR Classification Counts
- 1- 4 Day Pedestrian Counts
- 1- 3 Day Pedestrian Counts
- 2- 2 Day Pedestrian Counts


Members involved in this project: Kevin Deal and Gustavo Clavijo.

Firm name	National Data & Surveying Services		Past Performance Evaluation Discipline(s)*	Data-Collection
Project name	SP. H.012885 LA 466 (5th Street) Improvements Pedestrian Study		Firm responsibility (prime or sub?)	Sub
Project number	N/A	Owner's name	Burk-Kleinpeter	
Project location	Gretna, LA		Owner's Project Manager	Kester Hollier- <i>now with Arcadis</i>
Owner's address, phone, email	4176 Canal St New Orleans, LA (504) 343-9579 kester.hollier@arcadis.com			
Services commenced by this firm (mm/yy)	03/20	Total consultant contract cost (\$1,000's)	4	
Services completed by this firm (mm/yy)	03/20	Cost of consultant services provided by this firm (\$1,000's)	N/A	

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

NDS was contracted to collect 4- 24hr Ped and Bike Counts. Classification consisted of 3 categories; seniors, adults and school age children.

Members involved in this project: Kevin Deal and Gustavo Clavijo.

Firm name	National Data & Surveying Services		Past Performance Evaluation Discipline(s)*	Data-Collection
Project name	Cortana Mall Traffic Counts			Firm responsibility (prime or sub?)   Sub
Project number	N/A	Owner's name	Vectura Consulting Services	
Project location	Baton Rouge, LA	Owner's Project Manager	Laurence Lambert	
Owner's address, phone, email	PO Box 14269 Baton Rouge, LA 70898 (225) 223-6685 llambert@vecturacs.com			
Services commenced by this firm (mm/yy)	02/20	Total consultant contract cost (\$1,000's)	9	
Services completed by this firm (mm/yy)	03/20	Cost of consultant services provided by this firm (\$1,000's)	N/A	

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

NDS was contracted to collect:

- 2- 7 Day ATR Classification Counts
- 25- 48hr ATR Classification Counts
- 8- 5hr TMCs with Peds, Bikes and Heavy Truck Classification

Members involved in this project: Kevin Deal and Gustavo Clavijo.

The IDIQ contract has the potential to encompass a wide range of project types, sizes, and locations throughout the region. The contract will require the ability to handle a variety of assignments, sometimes simultaneously, involving planning, analysis and design. The range of difficulty for any given task could vary from routine and simple to challenging and complex. Successfully accomplishing this type of work requires a multi-discipline team with the ability and skill set required to efficiently scale work effort and resources to fit the needs of DOTD. The QES team has extensive experience in all of the technical areas identified in the RFQ. Our team includes professionals with expertise in alignment and location studies, environmental documentation, roadway design, intersection and interchange design, traffic analysis and design, structural analysis and design, geotechnical investigations and analysis, drainage analysis and design and construction management. The QES team has the depth of resources to accommodate DOTD's IDIQ engineering needs.

### **Approach to Performing Services Required by the Scope**

As a wide range of project types may be assigned under this contract, we understand that the approach to an assignment will vary with the specific needs of the work to be done. However, our general approach to completing tasks will consist of:

### **Project Work Plan**

Our Project Manager will be the primary point of contact with DOTD and will develop the work plan for each assignment. Our general approach to managing assignments include:

- Our Project Manager will contact the DOTD project manager and LPA Responsible Charge within 24 hours of receiving a task order request to plan a kick-off meeting/pre-design conference.
- A kick-off meeting/pre-design conference, conference call, or site visit will be held to discuss the assignment, schedule, staffing needs, and deliverables required. Depending on the assignment, a site visit and gathering of pertinent information and data (e.g. as-built plans, traffic counts, scoping reports, etc.) may be needed to adequately assess and understand objectives and needs.
- With a clear understanding of the assignment, QES will prepare a scope of work, staffing plan, schedule, and cost proposal. For most assignments, we anticipate this can occur within 2-3 days; however, for larger or more complex assignments, additional time may be required. If a situation occurs that requires rapid response to DOTD, QES will expedite the turn-around time.
- Work will commence after the Task Order proposal has been accepted by DOTD's Project Manager and a written notice-to-proceed is issued by the DOTD.

### **Project Setup and Execution**

Following a Notice-to-Proceed (NTP), the QES team will implement a work and staffing plan to successfully complete the project. Common elements for all projects include:

- Notify the project team, including subconsultants, of the NTP.
- Coordination: We understand the importance of good coordination throughout the duration of a project. The QES team is accustomed to collaborating with clients, stakeholders, other agencies, and subconsultants to achieve project success.

- **Schedule Control:** Developing a realistic and achievable schedule is critically important to the success of a project. Efficient utilization of resources is particularly important for task order projects that tend to have shorter life cycles. Accordingly, a key component of our plan will be aligning the key staff necessary to meet DOTD's delivery needs. Schedules will identify major work elements and key milestone dates. The QES assigned Project Manager will routinely monitor schedule and performance, and take corrective actions when required to avoid potential issues and project risks and work under the direct supervision of the DOTD Project Manager.
- **Cost Control:** Our project manager and project controls specialist monitor design costs on a weekly basis. Labor and expense costs are compared to the work completed and schedule to ensure progress is proceeding on plan or to identify if corrective action is needed.
- **Quality Control:** QES implements a rigorous comprehensive quality control process on every project that covers all aspects of project execution and delivery. All deliverable items are reviewed by the project manager and an independent reviewer prior to delivery to the client. The quality control reviews are documented and kept on file until the next delivery is made. This quality process has helped us achieve outstanding results that correlate to better plans and documents with fewer errors and fewer issues in construction.

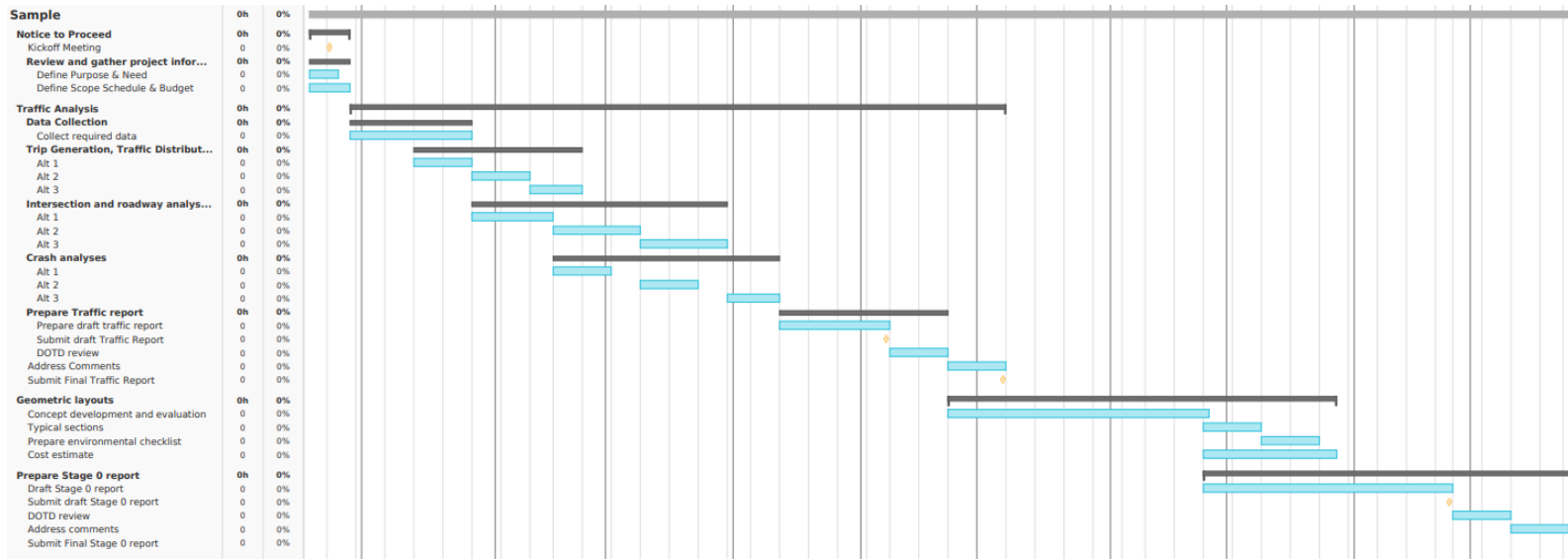
### **Schedule**

At the outset of a particular task assignment, QES project manager will coordinate the task schedule with the DOTD Project manager. He will then coordinate with other project managers and discipline leads to carefully review the office schedule and incorporate the proposed task. This planning effort will allow us to allocate the resources necessary to complete the task on schedule. Because the nature of the task assignments will vary for the IDIQ, sample schedule outlines with milestones and deliverables are provided for each potential task below. Task timeframes will vary and will be identified independently for each task order as described above.

The expected services to be rendered for this IDIQ Contract shall consist of the following Tasks:

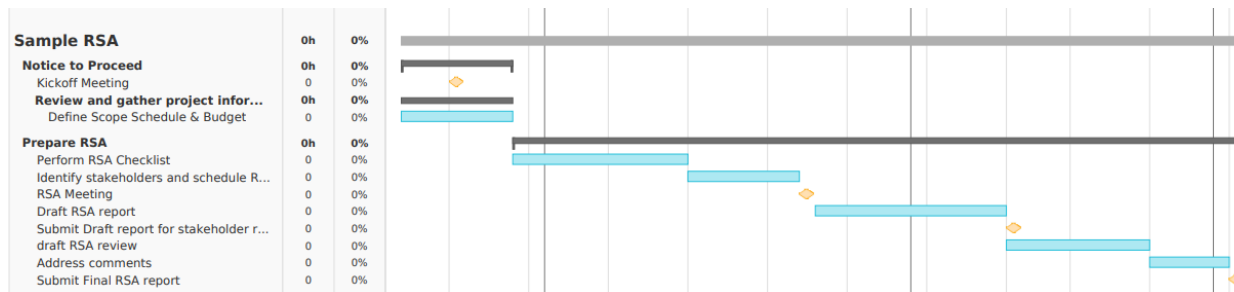
### **Task 1.0 - Stage 0 Feasibility Studies**

The feasibility report will examine a number of alternatives to be determined by the scope of the task order. For each alternative, safety, mobility and capacity will be measured for comparison between alternatives. A safety analysis will analyze crash data where available to identify and correct current safety concerns. Crash Modification Factors will be determined for each alternative to predict the change in current crash patterns. A conceptual design for each alternative will be presented on aerial layout exhibits. The report will present the comparison of alternatives, which will include but not be limited to, safety, capacity analysis, estimated cost and considerations for anticipated environmental and social impacts.



## Task 2.0 – Road Safety Assessments (RSA)

Road Safety Assessments (RSA) for locations provided by the DOTD Project Manager will be reviewed for potential improvements based on crash data. Once the Road Safety Assessment Checklist is completed, an RSA will be scheduled with all identified stakeholders. The RSA will be coordinated and conducted, which will include a pre-briefing meeting and field observations. Proposed improvements will include short-term, intermediate, and long-term improvements as applicable. The RSA report will be prepared using the procedures as outlined in the Road Safety Assessment (RSA) Official Procedure for LA DOTD.

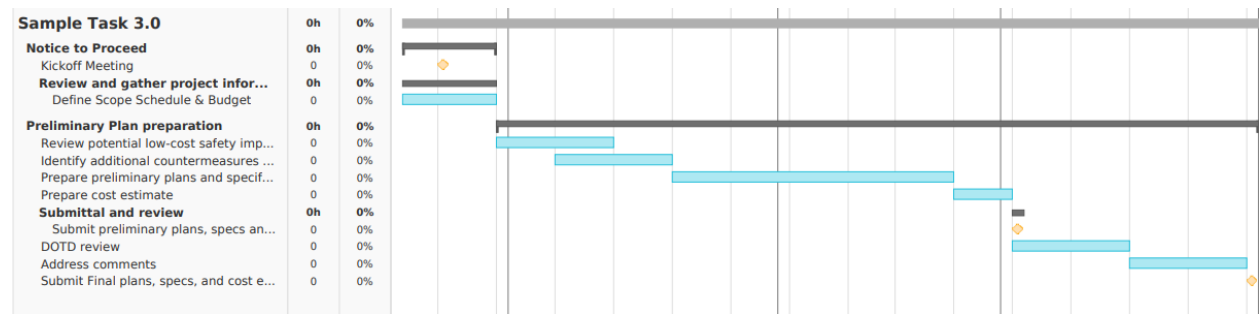


## Task 3.0 – Development of Plans, Specifications, and Engineer's Estimate for Low-Cost Safety Improvements

QES will perform the surveying and right-of-way services to the extent required for the subject project specified in the TO. QES will provide Title Research Services, and other right of way related services as necessary.

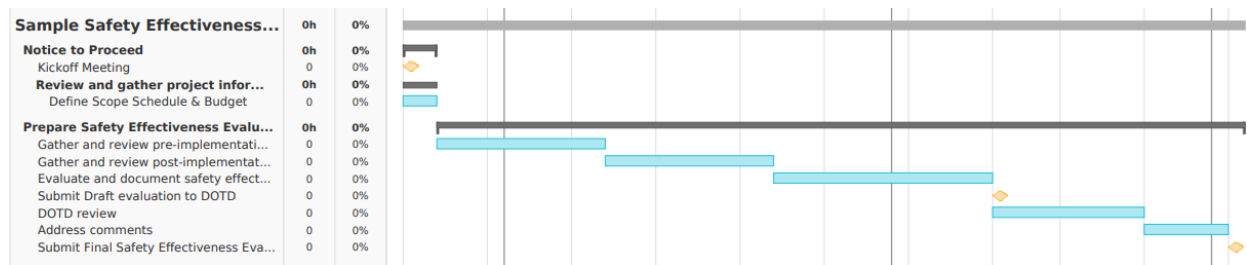
Preliminary design will focus on developing the level of detail necessary to establish the project footprint and impact area so that environmental documentation and right-of-way needs can be determined and the construction cost can be reasonably estimated. Utility conflicts will be identified. Preliminary design plans and cost estimates will be submitted to DOTD and a preliminary design review conducted.

Final designs will be prepared after preliminary design review is completed by DOTD. Review meetings will be conducted and review comments will be collected, documented, and resolved.





### Task 4.0 – Safety Effectiveness Evaluation

Safety effectiveness evaluations will be performed in accordance with Highway Safety Manual procedures. Performance measures for comparison will vary per task order, which may include only one location or several locations with similar recently implemented improvements. The purpose of these evaluations will be to investigate how a treatment, project, or group of projects has affected crash frequencies, severities, or other effects as identified by the DOTD Project Manager.



## 19. Workload:

Firm(s)	Past Performance Evaluation Discipline(s) *	State project number	Project name	Remaining Unpaid Balance**
	Data Collection	4400020961	IDIQ for NFIP and CTP Program Statewide	
		State Project No. 12010005	Task order No. 1: Lower Sabine Watershed	\$81,390
	Environmental	H.013958	Rural Bridge Replacement Initiative: Carpenters Bridge Rd Over Whiskey Chitto	\$15
	Environmental	H.013959	Rural Bridge Replacement Initiative: Reeds Bridge Rd Over Calcasieu River	\$53
	Environmental	H.013963	Rural Bridge Replacement Initiative: LA 384 Canal Bridge	\$617
	Environmental	H.013970	Rural Bridge Replacement Initiative: LA 717 Klondike Canal & Bayou Bridges	\$275
	Environmental	H.013976	Rural Bridge Replacement Initiative: LA 376 Bayou Bridges	\$432
	Environmental	H.013976	Rural Bridge Replacement Initiative: LA 376 over Bayous	\$2,876
	Environmental	H.013982	Rural Bridge Replacement Initiative: LA 10 Spur, LA 1042 Bridges Near Greensburg	\$15
	Environmental	H.013984	Rural Bridge Replacement Initiative: LA 16 Bridges (Isabel to Sun)	\$15
	Environmental	H.013996	Rural Bridge Replacement Initiative: LA 1074, LA 1075 Bridges Near Rio	\$15
	Environmental	H.013997	Rural Bridge Replacement Initiative: Local Rd Over Borrow Pit (Blind River)	\$578

(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.

**Please See Certificates on Following pages**

# Transportation Professional Certification Board Inc.

*certifies that*

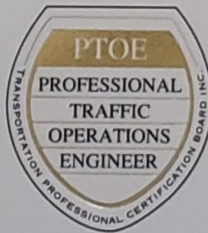
**Rebecca B. Lala**

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

**PROFESSIONAL TRAFFIC OPERATIONS ENGINEER**

*Unless withdrawn by the Certification Board, this certificate number 2282  
issued in Washington, D.C. is subject to the provisions for renewal  
May 5, 2008*

*Steven D. Hofener*  
Chair



*James W. [Signature]*  
Executive Director

# *Certificate of Completion*

presented to

*Rebecca Lala*

for completing the

## **Traffic Engineering Analysis Process & Report Module 1**

*Date:* July 16, 2018

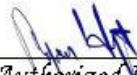
*Location:* Baton Rouge, Louisiana

*Professional Development*

*Hours (PDHs) Awarded: 2*



*Authorized Instructor*



*Authorized Instructor*



*Authorized instructor*



# *Certificate of Completion*

presented to

*Rebecca Lala*

for completing the

## **Traffic Engineering Analysis Process & Report Module 2**

*Date:* July 23, 2018

*Location:* Baton Rouge, Louisiana

*Professional Development*

*Hours (PDHs) Awarded: 3*

  
\_\_\_\_\_  
*Authorized Instructor*

  
\_\_\_\_\_  
*Authorized Instructor*

  
\_\_\_\_\_  
*Authorized instructor*



# *Certificate of Completion*

presented to

*Rebecca Lala*

for completing the

## **Traffic Engineering Analysis Process & Report Module 3**

*Date:* October 18, 2018  
*Location:* Baton Rouge, Louisiana

*Professional Development  
Hours (PDHs) Awarded:* 3

  
\_\_\_\_\_  
*Authorized Instructor*

  
\_\_\_\_\_  
*Authorized Instructor*

  
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*Authorized instructor*





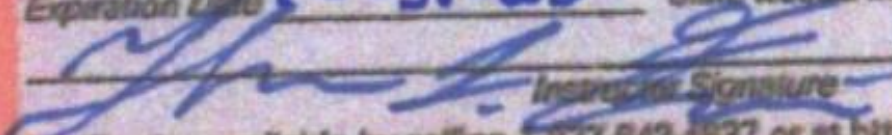


# AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION



*This is to affirm that*  
**REBECCA LALA**  
*has satisfied the requirements*  
*to be designated as a*  
**CERTIFIED FLAGGER**

Expiration Date **10-31-23** State issued in **LA**

  
Instructor Signature

Verification available by calling 1-877-842-4837 or at <http://www.flagger.com>

# *Certificate of Completion*

presented to

*Brad Jacobs*

for completing the

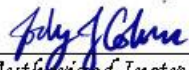
## **Traffic Engineering Analysis Process & Report Module 1**

*Date:* July 28, 2020

*Location:* Baton Rouge, Louisiana

*Professional Development*

*Hours (PDHs) Awarded: 2*



*Authorized Instructor*



*Authorized Instructor*



*Authorized instructor*



# *Certificate of Completion*

presented to

*Brad Jacobs*

for completing the

## **Traffic Engineering Analysis Process & Report Module 2**

*Date:* July 28, 2020

*Location:* Baton Rouge, Louisiana

*Professional Development*

*Hours (PDHs) Awarded: 3*

  
\_\_\_\_\_  
*Authorized Instructor*

  
\_\_\_\_\_  
*Authorized Instructor*

  
\_\_\_\_\_  
*Authorized instructor*



# *Certificate of Completion*

presented to

*Brad Jacobs*

for completing the

## **Traffic Engineering Analysis Process & Report Module 3**

*Date:* July 29, 2020  
*Location:* Baton Rouge, Louisiana

*Professional Development  
Hours (PDHs) Awarded:* 3.5

  
\_\_\_\_\_  
*Authorized Instructor*

  
\_\_\_\_\_  
*Authorized Instructor*

  
\_\_\_\_\_  
*Authorized instructor*





**21. QA/QC Plan and/or Work Plan:**

N/A

Quality Engineering will deliver QA/QC plans with 10 days of contract execution as specified in the RFQ.

**22. Sub-consultant information:**

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

<b>Firm Name</b> (as registered with Louisiana's Secretary of State)	<b>Address</b>	<b>Point of Contact and email address</b>	<b>Phone Number</b>
	607 W. Morris St. Hamond, LA 70403	Lucas Watkins lwatkins@elosenv.com	985-662-5501
	3032 Ridgelake Dr. Suite 103 Metairie, LA 70002	Gustavo Clavijo	504-513-4555

**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.

N/A