



**CENTRALBIDDING**  
FROM CENTRAL AUCTION HOUSE

**SOQ 23-037-Provide Professional Traffic Engineering Services for a  
period of two (2) years**  
Jefferson Parish Government

Project documents obtained from [www.CentralBidding.com](http://www.CentralBidding.com)  
24-Jan-2024 08:31:19 PM

## **Technical Evaluation Committee (TEC) Questionnaire**

### **Instructions**

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

## TEC Professional Services Questionnaire

**A. Project Name and Advertisement Resolution Number:**

SOQ to Provide Traffic Services  
Resolution No. 143314

**B. Firm Name & Address:**

2021 South Lakeshore Drive, Suite 240, New Orleans, LA 70124

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

Laurence Lambert, PE, PTOE, PTP, Principal  
Email: llambert@vecturacs.com  
Phone: 225-223-6685

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

Same as above

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

<u>  1  </u> Administrative	<u>      </u> Estimators	<u>      </u> Specification Writers
<u>      </u> Architects (Licensed)	<u>      </u> Geologists	<u>      </u> Structural Engineers
<u>      </u> Chemical Engineers	<u>      </u> Geotechnical Engineers	<u>      </u> Graduate Engineers
<u>  5  </u> Civil Engineers	<u>      </u> Interior Designers	<u>  1  </u> Project Managers
<u>  2  </u> Construction Inspectors	<u>      </u> Landscape Architects	<u>      </u> Clerical
<u>      </u> Ecologists	<u>      </u> Land Surveyor	<u>      </u> Grant/Funding Specialist
<u>      </u> Electrical Engineers	<u>      </u> Mechanical Engineers	<u>      </u> Sanitary Engineers
<u>  1  </u> Engineer Intern	<u>      </u> Environmental Engineers	
<u>      </u> Professional Land Surveyors		<u> 10 </u> <b>TOTAL</b>

**F. Is this submittal by a JOINT-VENTURE? Please check: YES**

**NO**

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

## TEC Professional Services Questionnaire

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

1.

2.

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

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

Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
<b>1.</b> Michael Baker International, Inc. 2600 CitiPlace Drive Suite 450 Baton Rouge, LA 70808	Transportation Engineer: Highway / Geometrics / Intersection Design / Roundabouts	Yes
<b>2.</b>		
<b>3.</b>		

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

7 \_\_\_\_\_

## **TEC Professional Services Questionnaire**

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

### **PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

Laurence Lambert, PE, PTOE, PTP, Principal

**Project Assignment:**

Traffic Engineering and Planning

**Name of Firm with which associated:**

Vectura Consulting Services, LLC

**Years' experience with this Firm:**

9 years with this firm (26 years total)

**Education: Degree(s)/Year/Specialization:**

BS / 1997 / Civil Engineering  
MS / 2006 / Transportation Engineering  
MBA / 2010 / Business and Administration

**Active registration: Year first registered/discipline:**

2001 / Louisiana Professional Engineer Civil Engineering License: 29901  
2004 / Professional Traffic Operations Engineers (PTOE) No. 1303  
2015 / Professional Transportation Planner (PTP) No. 538

**Other experience and qualifications relevant to the proposed Project:**

Laurence has performed intersection / corridor studies for some of the most complicated corridors in the state of Louisiana using HCM and microsimulation tools to tackle these problems.

University of New Orleans Adjunct Instructor for Transportation Engineering Course  
DOTD Traffic Engineering Process and Report (Modules 1, 2 & 3)  
Highway Safety Manual Workshop  
Traffic Controller (Naztec TS2/ATC) and Streetwise Training Course:  
Caliper Travel Demand Modeling with TransCAD

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Sheelagh Brin Ferlito, PE, PTOE, Principal
<b>Project Assignment:</b>
Traffic Engineering
<b>Name of Firm with which associated:</b>
Vectura Consulting Services, LLC
<b>Years' experience with this Firm:</b>
9 years with this firm (36 years total)
<b>Education: Degree(s)/Year/Specialization:</b>
BS / 1988 / Civil Engineering
<b>Active registration: Year first registered/discipline:</b>
1993 / Louisiana Professional Engineer Civil Engineering License: 25383 2009 / Professional Traffic Operations Engineers (PTOE) No. 932
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Brin has performed traffic engineering services for DOTD and parish governments over the past 30 years that has included traffic data collection, crash analyses, intersection analyses, road segment analyses and the design of over 160 traffic signals in the state of Louisiana. She has used numerous software packages to perform design and analyses including AutoCAD, AutoTURN, Bentley MicroStation, Highway Capacity Software, Synchro, PTV Vissim, PTV Vistro, Sidra, Tru-Traffic, Passer and DOTD Crash1.</p> <p>DOTD Traffic Engineering Process and Report (Modules 1, 2 &amp; 3) Naztec (controller upload/download) Training</p>

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Bridget Robicheaux, PE, Project Engineer
<b>Project Assignment:</b>
Traffic Engineering
<b>Name of Firm with which associated:</b>
Vectura Consulting Services, LLC
<b>Years' experience with this Firm:</b>
7 year with this firm (16 years total)
<b>Education: Degree(s)/Year/Specialization:</b>
BS/ 2007/ Civil Engineering MS/ 2014/ Civil Engineering (Transportation focus)
<b>Active registration: Year first registered/discipline:</b>
2016/ Louisiana Professional Engineer Civil Engineering License: 41272 2020 / Professional Traffic Operations Engineers (PTOE) No. 4824
<b>Other experience and qualifications relevant to the proposed Project:</b>
Bridget has 10 years of experience in transportation engineering. She worked in the private sector for four years and then moved to the Traffic Engineering Section at the Department of Transportation and Development. Bridget is well-versed in all traffic engineering software packages and the standards of practice for traffic studies. Her experience includes traffic data collection, crash analyses, intersection analyses and road segment analyses. She has used numerous software packages including Highway Capacity Software, Synchro, PTV Vissim, PTV Vistro, Sidra and DOTD Crash1.  DOTD Traffic Engineering Process and Report (Modules 1, 2 & 3) PTV Vision Vistro Training: 08/14-15/17

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Reece Rodrigue, PE, PTOE, RSP1
<b>Project Assignment:</b>
Traffic Engineer
<b>Name of Firm with which associated:</b>
Vectura Consulting Services, LLC
<b>Years' experience with this Firm:</b>
5 year with this firm (11 years total)
<b>Education: Degree(s)/Year/Specialization:</b>
B.S. /2013/ Civil Engineering
<b>Active registration: Year first registered/discipline:</b>
2017/ Louisiana Professional Engineer Civil Engineering License: 41272 2019 / Professional Traffic Operations Engineers (PTOE) No. 4824 2023 / Road Safety Professional (RSP1) No. 1013
<b>Other experience and qualifications relevant to the proposed Project:</b>
Reece is an experienced transportation engineer who has performed traffic data collection, traffic signal warrants, traffic studies, safety studies, temporary traffic control design and modifications. He is proficient in the use of the latest traffic engineering software tools to aid in the completion of these projects. He also has an appreciation for pedestrian signalization crosswalks, and maintaining ADA compliance. He is familiar with local, state, and federal traffic engineering guidelines and policies.



## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Kristen Farrington PE, PTOE, RSP1
<b>Project Assignment:</b>
Traffic Engineer
<b>Name of Firm with which associated:</b>
Vectura Consulting Services, LLC
<b>Years' experience with this Firm:</b>
2 year with this firm (10 years total)
<b>Education: Degree(s)/Year/Specialization:</b>
BS / 2014 / Civil Engineering
<b>Active registration: Year first registered/discipline:</b>
2018 / Louisiana Professional Engineer Civil Engineering License: 42785 2020 / Professional Traffic Operations Engineers (PTOE) No. 4863 2022 / Road Safety Professional (RSP1) No. 916
<b>Other experience and qualifications relevant to the proposed Project:</b>
Ms. Farrington has more than five years of experience in the field of civil engineering. Ms. Farrington's experience as a traffic/transportation engineer includes corridor and feasibility studies, access management studies, existing and predicted crash analyses, signal designs, traffic impact analyses, and road design/street improvement development. She is very proficient with MicroStation and has developed various Synchro, SIDRA, and Vistro analyses for local and state studies. She is familiar with TripGen, Highway Capacity Software, and has become familiar with Vistro and Vissim. Ms. Farrington is very proficient with using the LADOTD Crash Database in conjunction with the CATScan method generated by LADOTD to perform QA/QC on crash data.

## TEC Professional Services Questionnaire

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

### PROJECT NO. 1

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Project Name: FHWA Interchange Geometrics (IIG): Innovative Design Considerations for All Users Project Location: United States Project Manager: Jeffrey Shaw Phone: (708) 283-3524	Under the Every Day Counts initiative, FHWA funded workshops for state Departments of Transportation that are interested in learning more about innovative intersection & interchange design. Laurence Lambert taught either part or all of the one-day or two-day workshops that included modules on the overall policy and goals of FHWA for the following type of innovations: roundabouts, roundabout interchanges, Displaced Left Turn (DLTs) Intersections, Diverging Diamond Interchanges (DDIs), J-turns / Superstreets, MUT, Thru-turns, quadrant, and the assessment tools available to compare the measures of effectiveness of each innovation. One of the key outcomes of these innovative intersections is reduced crashes due to the reduce conflict points. While at Vectura Consulting Services, LLC, Laurence taught this workshop to the Texas, Ohio, Oklahoma and Massachusetts Departments of Transportation.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
End Date: 05/26/16	Eng. Cost: \$28,000	100%

### PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Project Name: I-12 to Bush – LA 3241 (I-12 to LA 36) Project Location: Lacombe, LA Project Manager: Jeffrey Burst Phone: 225-379-1356	As part of the DOTD TIMED program, Vectura prepared a traffic study for the new alignment of LA 3241 with the purpose of obtaining both existing and projected future traffic conditions. The traffic study examined concepts that improved the safety and efficiency of the roadway consistent with the latest DOTD policies related to access management and complete streets. Specific access management features included intersection improvements, median openings and U-turns, spacing and type of openings, signalization of intersections, roundabouts, etc.  Concepts were developed in sufficient detail to determine physical feasibility of the proposed improvements and anticipated right-of-way needs. Vectura provided planning and engineering services necessary to develop both intersection and median opening conceptual designs.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
End Date: 05/23/17	Eng. Cost: \$84,000	100%

## TEC Professional Services Questionnaire

<b>PROJECT NO. 3</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility</b>	
Project Name: Stage 0 Roundabout Feasibility Study Project Location: Lafayette, LA Project Manager: Chris Cole Phone: (337) 806-9363	Vectura collected the following traffic data for the 10 intersections: <ul style="list-style-type: none"> <li>7 day, 24 hour counts w/ Classification on mainlines</li> <li>Turning movement counts for morning and evening peak periods</li> <li>Speed data for mainlines</li> <li>Develop growth rate methodology for future traffic volumes</li> <li>Develop Implementation Year and Design Year AM and PM peak traffic volumes</li> <li>Traffic Signal Warrants analyses for Year 2019</li> <li>Develop traffic signal timing for 3 intersections</li> <li>Develop Sidra unsignalized, signalized and roundabout analyses for years 2016, 2019 and 2039, AM &amp; PM peak hours</li> <li>Develop crash analyses as defined in Section 20.2 of LA DOTD TEM</li> </ul>	
<b>Completion Date (Actual or estimated)</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
End Date: 9/30/17	Eng. Cost: \$80,000	100%

<b>PROJECT NO. 4</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Project Name: RTA St Charles Streetcar Accessibility Project Location: New Orleans, LA Project Manager: Justin T. Augustine III, RTA General Manager Phone: (504) 248-3900	<p>The New Orleans Regional Transit Authority sought to modify the St. Charles Streetcar Line so that it is handicap accessible. As a historic mode of transportation, this line has been exempt from conforming to ADA regulations. However, the public and RTA have both endeavored to enhance accessibility to this line.</p> <p>Several design constraints existed that proved difficult to modify the transit line to be ADA accessible. First, the median was not wide enough to provide an adequate landing area for ramps to the wayside. Therefore the ADA accessible ramps will lower / raise to the middle of the median, which is coincident with the opposing rail line tracks. Therefore, protection or warning systems were developed for the potential riders who are waiting in this area of conflict which ranged from outfitting the streetcar with warning devices that are observable to the opposing streetcar to changeable message signs to retractable bollards. Traffic signal pre-emption phasing was also considered as part of this project. All of these options included some form of Intelligent Transportation System (ITS) technology. Vectura provided calculations for establishing a minimum sight triangle and minimum taper lengths needed for lane shift</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
End Date: 06/03/16	Eng. Cost: \$15,000	100%

## TEC Professional Services Questionnaire

<b>PROJECT NO. 5</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Project Name: H.012373 DPW 573 Martin Luther King, Jr. Blvd Project Location: New Orleans, LA Project Manager: Louis Haywood Phone: (225) 381-7125	Vectura performed a traffic study to evaluate the effects of a lane reduction on Martin Luther King, Jr. Blvd from S. Claiborne Avenue to St. Charles Avenue. Vectura provided measures of effectiveness to the City of New Orleans for the Road Diet alternative of Martin Luther King, Jr.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
End Date: 07/31/20	Eng. Cost: \$54,002.23	100%

<b>PROJECT NO. 6</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Project Name: Harrison Avenue Extension Land Use and Transportation Study Project Manager: Jeff Roesel Phone: 504-483-8500	<p>This traffic study provided a traffic operational analysis for the proposed Harrison Avenue extension and the 2 Harrison Avenue intersections at LA 59 and at LA 36. The study also examined the impact that the extension would have on the existing roundabout on LA 59 at LA 36 which followed LA DOTD EDSM VI.1.1.5, VI.1.1.1 and DOTD Traffic Engineering Manual Section 20.2.</p> <p>Vectura collected the following traffic data for 3 intersections:</p> <ul style="list-style-type: none"> <li>7-day (mainlines) 24-hour tube counts with classification for all approaches</li> <li>Turning movement counts for morning and evening peak periods for two intersections</li> <li>Traffic signal warrants and radar speed studies</li> <li>Developed growth rate methodology</li> <li>Developed 3-year crash history for safety analyses</li> <li>Performed Vistro and Sidra analyses</li> <li>Intersection alternatives included signalized and unsignalized intersections and roundabouts</li> <li>Developed Traffic Study Report and electronic files</li> </ul>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
End Date: 03/01/18	Eng. Cost.: \$21,800	100%

## TEC Professional Services Questionnaire

<b>PROJECT NO. 7</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Project Name: Judge Tanner Roundabout Study Project Manager: Laura Gatlin Phone: (985) 898-2552	Vectura collected the following traffic data at three intersections: <ul style="list-style-type: none"> <li>7 day, 24 hour counts w/ classification on mainlines</li> <li>Turning movement counts for morning and evening peak periods</li> <li>Speed data for mainlines</li> <li>Develop growth rate methodology for future traffic volumes</li> <li>Develop Implementation and Design Year for the AM and PM peak traffic volumes</li> <li>Traffic Signal Warrants analyses for Year 2019</li> <li>Develop traffic signal timing for 3 intersections</li> <li>Develop Sidra unsignalized, signalized and roundabout analyses for years 2016, 2019 and 2039, AM &amp; PM peak hours</li> <li>Develop crash analyses as defined in Section 20.2 of TEM</li> </ul>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
07/01/17	Eng. Cost \$31,000	100%

<b>PROJECT NO. 8</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Project Name: US 11 (Front St.) at US 190 Bus. (Fremaux Ave.) Traffic Study and Signal Modification Design Project Manager: Eric Lundin Phone: 985-646-4320	Vectura performed a pedestrian traffic signal head and crossing warrant study at the intersection of US 11 at US 190 Bus. for the City of Slidell. The following tasks were performed by Vectura: <ul style="list-style-type: none"> <li>AM / PM peak hour turning movement counts for five intersections</li> <li>AM / PM peak 15-minute turning movement counts for 10 driveways on Fremaux Ave.</li> <li>Collected 24-hour traffic approach volumes, speed data, crash history and sight distance</li> <li>Weekday / weekend pedestrian counts for the intersection of US 190 Bus. @ US 11</li> <li>Developed 3-year crash analyses</li> <li>Performed pedestrian crosswalk warrants as per TEM Section 3B.2.9</li> <li>Performed Vistro and HCS analyses for AM and PM Peak existing conditions,</li> <li>Developed Traffic Study and electronic files</li> <li>Traffic Signal Modification Plans for Pedestrian Equipment</li> </ul>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
End Date: 07/28/20	Eng. Cost: \$56,800	100%

## TEC Professional Services Questionnaire

<b>PROJECT NO. 9</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Project Name: Belle Chasse Bridge & Tunnel Replacement Public-Private Partnership Project Location: Belle Chasse, LA Project Manager: Nickolas Olivier Phone: (225) 379-1133	Vectura provided the traffic engineering services for the Belle Chasse Bridge & Tunnel Replacement Project for improvements along LA 23. Vectura is responsible for the following tasks: <ul style="list-style-type: none"> <li>Preliminary and final traffic studies</li> <li>Temporary and final traffic signal plans</li> <li>Assist the Prime with Traffic Management Plan (TMP)</li> <li>Response to request for information (RFI's)</li> <li>As-built plans for the traffic signals.</li> </ul>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
End Date: Ongoing	Eng. Cost: \$211,890	100%

<b>PROJECT NO. 10</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
East Baton Rouge MOVEBR Baton Rouge, LA Tom Stephens, PE, (225) 389-3186 TStephens@brla.gov	As part of the East Baton Rouge Parish MOVEBR (\$912 Million Dollar) Program, Vectura currently provides traffic engineering services for all Capacity Projects. Vectura routinely collaborated with EBR Parish and DOTD Stakeholder such as Section 27, Safety Section, and DOTD District 61. The primary task was to peer review all traffic-related deliverables from consultants for 25 capacity projects to date.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
Ongoing	Eng. Cost: \$873,000	100%



## TEC Professional Services Questionnaire

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

Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1. N/A		
2.		
3.		
4.		

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

At Vectura, transportation engineering is the backbone of our company. Between the two principals of Vectura, we have over 50 years of experience in traffic data collection, intersection / interchange analysis, microsimulation modeling, corridor analysis, roundabout analysis and traffic signal design. Vectura is a certified Disadvantaged Business Enterprise (DBE) by DOTD. Any federal DBE goals or requirements can be satisfied with the selection of our firm. With our new office location in New Orleans, we can better serve Jefferson Parish.

Brin Ferlito, PE, PTOE has performed traffic engineering services for DOTD over the past 30 years that included the design of over 160 traffic signals in the state of Louisiana. She has a deep understanding of the DOTD process and can deliver on all traffic functions of this project. As demonstrated in her resume, she possesses the knowledge and skill set to perform data collection, warrants analyses, signal timing analyses, progression analyses, traffic simulation modeling, signal and road design, construction plan and specification preparation and construction engineering.

Laurence Lambert, PE, PTOE, PTP performed intersection / corridor studies for some of the most complicated corridors in the state of Louisiana. He has used HCM and microsimulation tools to tackle these projects that included innovative intersections like J-turns and roundabouts. He has also designed over 100 traffic signals in his career. Additionally, Laurence has over 15 years of Complete Streets design concepts. As a value add to the project, Laurence taught 22 innovative intersection / interchanges workshops for FHWA. Laurence was also a panel member of NCHRP 03-113: Guidance for Traffic Signals at Diverging Diamond Interchanges and Adjacent Intersections. These two endeavors allow Laurence access to cutting edge intersection / interchange design techniques that can be applied to this project.

Vectura has five transportation engineers that are available to work on tasks for Jefferson Parish. Cumulatively, we have five Professional Engineers (PEs), five Professional Transportation Operations Engineers (PTOE), one Professional Transportation Planner (PTP) and two Road Safety Professionals (RSPs). Additionally, David has the IMSA Traffic Signal Field Technician Level II certification, which allows him to connect to traffic signals controllers.

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

**Signature:**  **Print Name:** Laurence Lambert

**Title:** Principal **Date:** 01/24/2024

## **Technical Evaluation Committee (TEC) Questionnaire**

### **Instructions**

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



## TEC Professional Services Questionnaire

**A. Project Name and Advertisement Resolution Number:**

SOQ to Provide Traffic Services  
Resolution No. 143314

**B. Firm Name & Address:**

Michael Baker International, Inc.  
2600 CitiPlace Drive, Suite 450  
Baton Rouge, LA 70808

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

Daniel Thornhill, PE, Office Executive  
Email: Daniel.Thornhill@mbakerintl.com  
Phone: 225-218-2846 (Office) or 205-908-8026 (Cell)

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

Same as above.

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

<u>2</u> Administrative	<u>      </u> Estimators	<u>      </u> Specification Writers
<u>      </u> Architects (Licensed)	<u>      </u> Geologists	<u>      </u> Structural Engineers
<u>      </u> Chemical Engineers	<u>      </u> Geotechnical Engineers	<u>      </u> Graduate Engineers
<u>7</u> Civil Engineers	<u>      </u> Interior Designers	<u>      </u> Project Managers
<u>      </u> Construction Inspectors	<u>      </u> Landscape Architects	<u>      </u> Clerical
<u>      </u> Ecologists	<u>      </u> Land Surveyor	<u>      </u> Grant/Funding Specialist
<u>      </u> Electrical Engineers	<u>      </u> Mechanical Engineers	<u>      </u> Sanitary Engineers
<u>3</u> Engineer Intern	<u>      </u> Environmental Engineers	
<u>      </u> Professional Land Surveyors		<u>12</u> <b>TOTAL</b>

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

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

## TEC Professional Services Questionnaire

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

1.

2.

**H. Has this JOINT-VENTURE previously worked together? Please check:**

YES ☐ NO ☐

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

Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
1. Michael Baker International, Inc. 2600 CitiPlace Drive, Suite 450 Baton Rouge, LA 70808	Transportation Engineer: Highways/Geometrics/Intersection Design/Roundabouts	Yes
2.		
3.		

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

7

## TEC Professional Services Questionnaire

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

### **PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

Daniel Thornhill, PE, Office Executive

**Project Assignment:**

Lead Geometric Design

**Name of Firm with which associated:**

Michael Baker International, Inc.

**Years' experience with this Firm:**

4 years with this firm (27 years total)

**Education: Degree(s)/Year/Specialization:**

BS / 1997 / Civil Engineering

**Active registration: Year first registered/discipline:**

2002 / Alabama Professional Engineer / Civil Engineering / License: 25136  
2006 / Louisiana Professional Engineer / Civil Engineering / License: 32367

**Other experience and qualifications relevant to the proposed Project:**

Daniel has 27 years experience in the design of new roadway alignments along with widening of existing alignments. He has also experience with intersection design which includes the addition of left and right turn lanes and the impact these improvements may have on adjacent property owners. For the last 14 years, he has been involved in the development through study or design 140+ roundabouts in Louisiana and Mississippi.

Experience and knowledge of Microstation/Inroads and OpenRoads Designer.

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>	
<b>Name &amp; Title:</b>	
Brandon Pitre, PE, RSP1	
<b>Project Assignment:</b>	
Roadway/Intersection Geometric Designer	
<b>Name of Firm with which associated:</b>	
Michael Baker International, Inc.	
<b>Years' experience with this Firm:</b>	
4 years with this firm (11 years total)	
<b>Education: Degree(s)/Year/Specialization:</b>	
BS / 2010 / Civil Engineering MS / 2012 / Civil Engineering	
<b>Active registration: Year first registered/discipline:</b>	
2016 / Louisiana Professional Engineer / Civil Engineering / License: 40975	
<b>Other experience and qualifications relevant to the proposed Project:</b>	
<p>Mr. Pitre has 11 years of experience as a Roadway Engineer. He has designed various roadway projects from new roadways to widening of existing roadways and designing intersection improvements and roundabouts. Most of his experience is with DOTD Projects and has recently finished up a Design-Build project of extending a new roadway with a roundabout for a new entrance to Barksdale Air Force Base. Early in his career, Brandon worked in the public sector at the Louisiana Department of Transportation and Development in the Construction and Road Design sections before working as an engineering consultant.</p> <p>Experience and knowledge of Microstation/Inroads and OpenRoads Designer.</p>	

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>	
<b>Name &amp; Title:</b>	
Alexis Harrouch, EI	
<b>Project Assignment:</b>	
Roadway/Intersection Geometric Designer	
<b>Name of Firm with which associated:</b>	
Michael Baker International, Inc.	
<b>Years' experience with this Firm:</b>	
1.25 years with this firm (2.75 years total)	
<b>Education: Degree(s)/Year/Specialization:</b>	
BS / 2020 / Civil Engineering	
<b>Active registration: Year first registered/discipline:</b>	
2021 / Louisiana Engineer Intern / Civil Engineering / License: 34742	
<b>Other experience and qualifications relevant to the proposed Project:</b>	
<p>Alexis has just under 3 years of experience as a Transportation Engineer Intern. She has worked on various aspects of engineering from geometric study layouts for roadway improvements along with design of roadways and required drainage. She has performed geometric design for intersection improvements from traditional intersections signalized or stop conditions along with design of roundabouts. As part of her previous task would include to see how design improvements would impact adjacent property owners to find the best efficient and cost affective design for clients. She has just recently finished a Design-Build project of extending a new roadway with a roundabout for a new entrance to Barksdale Air Force Base.</p> <p>Experience and knowledge of Microstation/Inroads and OpenRoads Designer.</p>	

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>	
<b>Name &amp; Title:</b>	
Marcela Trochez	
<b>Project Assignment:</b>	
Roadway/Geometric Designer	
<b>Name of Firm with which associated:</b>	
Michael Baker International, Inc.	
<b>Years' experience with this Firm:</b>	
1.5 years with this firm (1.5 years total)	
<b>Education: Degree(s)/Year/Specialization:</b>	
BS / 2014 / Biology BS / 2022 / Civil Engineering	
<b>Active registration: Year first registered/discipline:</b>	
N/A	
<b>Other experience and qualifications relevant to the proposed Project:</b>	
<p>Marcela has around 1.5 years of experience as a Transportation Engineer Aide. She has worked several projects since joining the firm that involve roadway/intersection improvements. She has performed roadway drainage design along with determining quantities for projects. She has worked on projects in Louisiana, Mississippi, and Alabama. She has just recently finished a Design-Build project of extending a new roadway with a roundabout for a new entrance to Barksdale Air Force Base.</p> <p>Experience and knowledge of Microstation/Inroads and OpenRoads Designer.</p>	

## TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Project Assignment:	
Name of Firm with which associated:	
Years' experience with this Firm:	
Education: Degree(s)/Year/Specialization:	
Active registration: Year first registered/discipline:	
Other experience and qualifications relevant to the proposed Project:	



## TEC Professional Services Questionnaire

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

### PROJECT NO. 1

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Project Name: LA 30 Widening Project Location: Ascension, East Baton Rouge and Iberville Parishes Project Manager: Joseph Brown, PE Phone: 225-379-1493	<p>Michael Baker was selected to perform the Environmental Assessment for the widening of LA 30 from the East Baton Rouge Parish line to Interstate 10. LA 30 is currently a mixture of two-lane and three lane roadway with residential, industrial, and commercial developments. LA 30 corridor is experiencing rapid growth in the industrial and retail commercial businesses.</p> <p>The environmental study is broken into two Phases: PEL Study Part 1 and PEL Study Part 2. Michael Baker's responsibilities include Traffic Impact Study, Line &amp; Grade, Environmental Field Data Collection, SUE Services, and Environmental Documentation. The Traffic Study portion of the project requires the team to collect existing traffic counts along LA 30 along with turning movements at driveways. Michael Baker team will use the traffic counts to determine recommendations for the required improvements to carry forward during the study phase. Michael Baker team will host public involvement meetings to gather public input for the recommended alternatives. The public comments will be incorporated into the final documentation of the Environmental Assessment Document. The Michael Baker team will conduct SUE services due to the number of industrial pipelines that parallel LA 30 on both sides of the road. As part 2 of the PEL Study, the Michael Baker team will develop the environmental assessment document. An initial document will be created and reviewed during the public involvement process and after finalizing addressing public comment, the final document will be developed and published. Once FHWA finds a record of decision (ROD) and Finding of No Significant Impact (FONSI), the Environmental Assessment document</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
April 2026 (Estimate)	Eng. Cost: \$2.5 M	50%

### PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Project Name: US 371: KCS RR OVERPASSES HBI Project Location: Webster Parish, LA Project Manager: Hamed Babaizadeh, PE, LEED AP BD+C Phone: 225-379-1331	<p>Michael Baker is providing bridge, structural, and transportation services for the replacement of three bridges along US 371 at two locations in Sibley, LA and Minden, LA. All bridges span KCS Railroad at two locations along their rail line. The existing bridge at Sibley, LA was built in 1934 and is currently a three span, steel girder bridge for a total length of 120' resting on concrete substructure. Bridge has sidewalks on both sides of the bridge and ties to existing sidewalks along the route. Michael Baker design team is tasked with determining the most efficient and cost-effective bridge to replace the existing structure. A bridge structure report is required to determine if the new bridge will either be concrete or steel girder type. The new structure and road improvements will meet the latest DOTD design guidelines. One of the challenges at this location is the grade difference between the bridge and existing properties with the railroad underneath. Coordination with KCS railroad will help determine the final location of the bridge foundations in relationship with the rail line. At Sibley, intersection improvements are a critical part of this design where LA 164 intersects US 371. Due to the grade difference, LA 164 must be realigned where it is encroaching on a Exxon Service station on the Northwest Corner and the Railroad is on the Southwest Corner. Geometric consideration is key at this intersection.</p> <p>The two bridges at Minden, LA serve as part of the I-20 interchange at US 371. The bridges were built at different times around 1930 and both bridges are three span, steel girder bridges. Similar to the Sibley bridge, the design team will prepare a bridge structure report determining the most efficient and cost-effective bridges while minimizing impact to the local traffic. Being located at an interchange, additional challenges for these bridge replacements is the maintenance of traffic, phase construction, and shifting of traffic. At this location, one bridge will be removed and replaced while reducing travel to one-lane on the other bridge to keep roadway open to existing traffic. Design team is tasked with determining if the new bridge will be concrete or steel girder type while maintaining minimal adjustment to the existing roadway grade to reduce the amount of roadway necessary to tie to existing roadway</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
October 2024 (Estimate)	\$900K	70%



## TEC Professional Services Questionnaire

<b>PROJECT NO. 3</b>						
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility</b>					
<p>Project Name: Barksdale Air Force Base Entrance Roads  Project Location: Bossier Parish, LA  Project Manager: Sarah Reed  Phone: 318-243-3902</p>	<p>Michael Baker International provided Roadway Design Services for RQ Construction as a member of the design-build team for the construction of new entrance roads to Barksdale Air Force Base.</p> <p>Michael Baker design team developed construction plans per DOTD Design Guidelines and Standard Specifications. The beginning of the project is a direct tie to LA 1267 where it terminates after the KCS railroad crossing bridge constructed under the DOTD I-20/I-220 Design Build project. LA 1267 will continue as a 4-Lane Divided Highway as it enters the base property where it will transition to a new multi-lane roundabout. The roundabout is placed before the new base entrance gates and will allow for motorist that inadvertently exited onto LA 1267 make a U-turn and return back towards the I-20/I-220 interchange without having to enter the Air Force Base. The new portion of LA 1267 is being built on the base property where a Corporate Endeavor Agreement was developed under the DOTD Design-Build project to allow for the completion of the roadway before entering the gates of the Air force Base.</p> <p>Michael Baker design team has coordinated directly with DOTD I-20/220 Project Manager, Corey Landry, and with DOTD I-20/220 Owner Verification Consultant Project Manager, Gordon Nelson. Additional requirements by Design Team were to develop Temporary Traffic Control Plans since the I-20/220 Project was completed before this project was able to begin construction. The TTC plans identified one construction entry point along Ramp "x" and two construction exit points along Ramps "x" and "x". Additionally, a project permit will be prepared and submitted to DOTD for approval once the Design Plans and TTC plans have been approved.</p>					
<p><b>Completion Date (Actual or estimated)</b></p>	<p style="text-align: center;"><b>Estimated Cost:</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%; padding: 5px;"><b>Entire Project:</b></th> <th style="width: 50%; padding: 5px;"><b>Work for which Firm was Responsible:</b></th> </tr> <tr> <td style="width: 50%; padding: 5px; vertical-align: top;">May 2025 (Design - Completed) Construction Ongoing</td> <td style="width: 50%; padding: 5px; vertical-align: top;">\$2.0 M  95%</td> </tr> </table>		<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>	May 2025 (Design - Completed) Construction Ongoing	\$2.0 M  95%
<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>					
May 2025 (Design - Completed) Construction Ongoing	\$2.0 M  95%					

<b>PROJECT NO. 4</b>						
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>					
<p>Project Name: Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program – District 07 – Initial Services  Project Location: DOTD District 07 (Allen, Beauregard, Calcasieu, Cameron, and Jefferson Davis Parishes, LA)  Project Manager: Kurt M. Brauner, PE  Phone: 225-379-1933</p>	<p>Michael Baker was selected by DOTD to provide bridge, roadway and environmental services for the replacement of off-system bridges in the five parishes (Allen Parish, Beauregard Parish, Calcasieu Parish, Cameron Parish and Jefferson Davis Parish) located in DOTD District 07. This off-system bridge program is being 100% funded by the recently passed IIJA bill. DOTD allocated \$30.3 million of funding for District 07 for the implementation cost (construction, design, mitigation, right-of-way acquisition and utility relocation) for the replacement of bridges in this district. Structures will be replaced with Culvert(s), Box Culvert(s), or Slab Span Bridges that are available in DOTD Standard Plan catalog.</p> <p>Twelve Bridges were identified in Phase 1 of the project to be replaced. As part of this contract roadway geometrics are part of the consideration in the design in order to reduce or eliminate the need for additional right-of-way.</p>					
<p><b>Completion Date (Actual or estimated):</b></p>	<p style="text-align: center;"><b>Estimated Cost:</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%; padding: 5px;"><b>Entire Project:</b></th> <th style="width: 50%; padding: 5px;"><b>Work for which Firm was Responsible:</b></th> </tr> <tr> <td style="width: 50%; padding: 5px; vertical-align: top;">Dec. 2026 (Estimate)</td> <td style="width: 50%; padding: 5px; vertical-align: top;">\$2.4 M  67%</td> </tr> </table>		<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>	Dec. 2026 (Estimate)	\$2.4 M  67%
<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>					
Dec. 2026 (Estimate)	\$2.4 M  67%					

## TEC Professional Services Questionnaire

<b>PROJECT NO. 5</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>

<b>PROJECT NO. 6</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>

## TEC Professional Services Questionnaire

<b>PROJECT NO. 7</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>

<b>PROJECT NO. 8</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>

## TEC Professional Services Questionnaire

<b>PROJECT NO. 9</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>

<b>PROJECT NO. 10</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>

## TEC Professional Services Questionnaire

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

<b>Parties:</b>		<b>Status/Result of Case:</b>
<b>Plaintiff:</b>	<b>Defendant:</b>	
1. N/A		
2.		
3.		
4.		

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

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

**Signature:** \_\_\_\_\_ **Print Name:** Daniel Thornhill  
**Title:** Office Executive **Date:** January 23, 2024