

## **TEC Professional Services Questionnaire**

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

**B. Firm Name & Address:**

**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:**

**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.**

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

<input type="checkbox"/> Administrative	<input type="checkbox"/> Estimators	<input type="checkbox"/> Specification Writers
<input type="checkbox"/> Architects (Licensed)	<input type="checkbox"/> Geologists	<input type="checkbox"/> Structural Engineers
<input type="checkbox"/> Chemical Engineers	<input type="checkbox"/> Geotechnical Engineers	<input type="checkbox"/> Graduate Engineers
<input type="checkbox"/> Civil Engineers	<input type="checkbox"/> Interior Designers	<input type="checkbox"/> Project Managers
<input type="checkbox"/> Construction Inspectors	<input type="checkbox"/> Landscape Architects	<input type="checkbox"/> Clerical
<input type="checkbox"/> Ecologists	<input type="checkbox"/> Land Surveyor	<input type="checkbox"/> Grant/Funding Specialist
<input type="checkbox"/> Electrical Engineers	<input type="checkbox"/> Mechanical Engineers	<input type="checkbox"/> Sanitary Engineers
<input type="checkbox"/> Engineer Intern	<input type="checkbox"/> Environmental Engineers	
<input type="checkbox"/> Professional Land Surveyors		<input type="checkbox"/> <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.		
2.		
3.		

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

\_\_\_\_\_

## **TEC Professional Services Questionnaire**

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

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

**Name & Title:**

**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

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

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

## TEC Professional Services Questionnaire

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

## TEC Professional Services Questionnaire

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

## 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:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

### PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:



## TEC Professional Services Questionnaire

<b>PROJECT NO. 3</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. 4</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. 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.**

Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1.		
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: Alex Novikov Print Name: \_\_\_\_\_

Title: \_\_\_\_\_ Date: \_\_\_\_\_

## TEC Professional Services Questionnaire

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

Routine Engineering Services for Water Projects, SOQ NO. 22-013

**B. Firm Name & Address where Project work will be performed:**



Office 225-456-5714 | Fax 225-456-5734 | [www.aps-testing.com](http://www.aps-testing.com)

Physical Address 1645 Nicholson Drive | Baton Rouge, LA 70802

**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:**

Sergio Aviles P.E., M.ASCE

President

Office 225-456-5714 | Cell 225-281-1917 | Fax 225-456-5734

**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>3</u> Geotechnical Engineers	<u>      </u> Graduate Engineers
<u>      </u> Civil Engineers	<u>      </u> Interior Designers	<u>      </u> Project Managers
<u>12</u> Construction Inspectors	<u>      </u> Landscape Architects	<u>1</u> Clerical
<u>      </u> Ecologists	<u>      </u> Land Surveyor	<u>      </u> Grant/Funding Specialist
<u>      </u> Electrical Engineers	<u>      </u> Mechanical Engineers	<u>20</u> Others
<u>3</u> Engineer Intern	<u>      </u> Environmental Engineers	
<u>      </u> Professional Land Surveyors		<b><u>40</u> TOTAL</b>

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

**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. None		
2.		
3.		

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

\_\_\_\_\_

## **TEC Professional Services Questionnaire**

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

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

**Name & Title:**

Sergio Aviles, P.E.  
President

**Project Assignment:**

Principal In Charge/Project Engineer

**Name of Firm with which associated:**



**Years' experience with this Firm:**

10 Years

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

B.S./2001/Civil Engineering

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

2007/Civil Engineering

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

**Professional Experience**

Mr. Sergio Aviles, P.E. is the President of A P S. He has over 15 years experience in the Geotechnical and Civil engineering field. He received a Bachelor of Science degree in Civil Engineering from Louisiana State University and is a registered Professional Engineer in Louisiana.



## **TEC Professional Services Questionnaire**

Mr. Aviles also received project experience throughout Louisiana with the Pavement & Geotechnical Section of the Louisiana Department of Transportation and Development (LADOTD) where his duties included pile foundation design and construction inspection of piles, slope stability design, embankment settlement calculations, design and construction inspection of drilled shafts, MSE wall design, sheet pile design, and testing services that incorporated, PDA, WEAP, and CAPWAP analysis of piles. Prior to signing on with the Pavement & Geotechnical Section of LADOTD, Mr. Aviles participated in the LADOTD Rotational Engineer Intern program developed by the Louisiana Transportation Research Center (LTRC).

During the program Mr. Aviles learned most of the duties and responsibilities of LADOTD main design and construction sections (Bridge Design, Road Design, Hydraulic Design, Head Quarter construction, and district construction).

### **Project Experience**

**I-10 Widening LA 415 to Essen LN-** A P S was tasked thru our DOTD geotechnical retainer to drill and sample a total of 52 deep borings starting at the Washington Exit and ending at the LSU lakes. Along with this drilling and sampling APS will also test for strength and engineering characteristics of the soils with. A total of eight (8) over the water borings and 44 land borings with approximate 1000 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits. Mr. Aviles was the project manager to the Geotechnical Investigations.

**I-10/I-110 Interchange Modification at Terrace Ave-** A P S was tasked thru our DOTD geotechnical retainer to drill and sample a total of six (6) deep borings for the design of the Terrace Ave exit. APS tested for strength and engineering characteristics of the soils with approximate 100 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits by A P S Laboratory. Mr. Aviles was the project manager to the Geotechnical Investigations.

**US 61 Thompson Creek Bridge Replacement-** A P S was tasked thru our DOTD geotechnical retainer to drill and sample a total of eight (8) deep borings for the replacement bridge at US 61 over Thompson Creek. APS tested for strength and engineering characteristics of the soils. Mr. Aviles was the project manager to the Geotechnical Investigations.

#### **US190 Bride over Boguefalya River**

The purpose of this study was to explore the subsurface conditions at the site to enable an evaluation of an acceptable soils for the proposed new bridge and roadway. Mr. Aviles was the project manager to the Geotechnical Investigations.

#### **I-12 TO BUSH LA 3241 (I-12 – LA 36) LA 3241 (LA 435 – LA 40/LA 41)**

The purpose of this study was to explore the subsurface conditions at the site to enable an evaluation of an acceptable soils for the proposed new highway to Bush, Louisiana. Mr. Aviles was the project manager to the Geotechnical Investigations.

## 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:**

Sai Eddanapudi, M.E., P.E.

**Project Assignment:**

Project Engineer

**Name of Firm with which associated:**



**Years' experience with this Firm:**

10 Years

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

ME, Civil Engineering, Lamar University, Dec. 2002  
BE, Civil Engineering, Sri Venkateswara University, India Aug. 1999

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

2007/Civil Engineering

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

**Professional Experience**

Mr. Sairam (Sai) Eddanapudi, M.E., P.E. is the Senior Geotechnical Engineer for A P S and has over 10 years experience in the Geotechnical and Civil engineering field. Mr. Eddanapudi received a Master of Science in Civil Engineering, Lamar University, USA (Dec. 2002) and Bachelors in Technology in Civil Engineering from India (August, 1999) and is a registered Professional Engineer in Louisiana.

## **TEC Professional Services Questionnaire**

His professional experience consists of the design of roadway, bridges, levees and T-walls as well as the design of shallow and deep foundations. His field experience includes QC inspection of auger cast piles, drilled shafts, soils and concrete. Mr. Eddanapudi has experience with the following software: Slope/w (2004 and 2007 versions) for slope stability analyses, Seep/w for seepage analysis, Driven 1.2 (for driven piles), MicroStation V8, CWALSHT and FS004 for slope stability analyses, Swell Potential (for expansive soils), Drilled Shaft Design software, Auger cast pile design Analysis, AASHTO pavement, Slope analysis, and Differential Settlement Analysis.

### **Project Experience**

**I-10 Widening LA 415 to Essen LN-** A P S was tasked thru our DOTD geotechnical retainer to drill and sample a total of 52 deep borings starting at the Washington Exit and ending at the LSU lakes. Along with this drilling and sampling APS will also test for strength and engineering characteristics of the soils with. A total of eight (8) over the water borings and 44 land borings with approximate 1000 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits. Mr. Sai was the project QA to the Geotechnical Investigations.

**I-10/I-110 Interchange Modification at Terrace Ave-** A P S was tasked thru our DOTD geotechnical retainer to drill and sample a total of six (6) deep borings for the design of the Terrace Ave exit. APS tested for strength and engineering characteristics of the soils with approximate 100 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits by A P S Laboratory. Mr. Sai was the project QA to the Geotechnical Investigations.

**US 61 Thompson Creek Bridge Replacement-** A P S was tasked thru our DOTD geotechnical retainer to drill and sample a total of eight (8) deep borings for the replacement bridge at US 61 over Thompson Creek. APS tested for strength and engineering characteristics of the soils. Mr. Sai was the project QA to the Geotechnical Investigations.

#### **US190 Bridge over Boguefalya River**

The purpose of this study was to explore the subsurface conditions at the site to enable an evaluation of an acceptable soils for the proposed new bridge and roadway. Mr. Sai was the project QA to the Geotechnical Investigations.

#### **I-12 TO BUSH LA 3241 (I-12 – LA 36) LA 3241 (LA 435 – LA 40/LA 41)**

The purpose of this study was to explore the subsurface conditions at the site to enable an evaluation of an acceptable soils for the proposed new highway to Bush, Louisiana. Mr. Sai was the project QA to the Geotechnical Investigations.

## 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:**

Surendra Raj Pathak, M.S., P.E.

**Project Assignment:**

Staff Geotechnical Engineer

**Name of Firm with which associated:**



**Years' experience with this Firm:**

10 Years

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

MSCE (Master of Science in Civil Engineering), Mississippi State University, Starkville, Mississippi, 2013, Master of Science in Civil Engineering, Norwegian University of Science and Technology, Trondheim Norway, 2007 and B.E. (Civil Engineering), Madan Mohan Malaviya University of Technology, India, 1998

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

2018/Civil Engineering

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

**Professional Experience**

Mr. Surendra Raj Pathak, M.S., P.E. is a Staff Geotechnical Engineer for A P S and has over 10 years experience in the Geotechnical and Civil engineering field. Mr. Pathak received a Master of Science in Civil Engineering MSCE (Master of Science in Civil Engineering), Mississippi State University, Starkville, Mississippi, 2013, Master of Science in Civil Engineering, Norwegian University of Science and Technology, Trondheim, Norway, 2007 and B.E. (Civil Engineering), Madan Mohan Malaviya University of Technology, India, 1998

## **TEC Professional Services Questionnaire**

His professional experience consists of the design of roadway, bridges, levees and as well as the design of shallow and deep foundations. His field experience includes QC inspection of auger cast piles, drilled shafts, soils and concrete. Mr. Pathak has experience with the following software: Slope/w (2004 and 2007 versions) for slope stability analyses, Seep/w for seepage analysis, Driven 1.2 (for driven piles), MicroStation V8, CWALSH and FS004 for slope stability analyses, Swell Potential (for expansive soils), Drilled Shaft Design software, Auger cast pile design Analysis, AASHTO pavement, Slope analysis, and Differential Settlement Analysis.

### **Project Experience**

**I-10 Widening LA 415 to Essen LN-** A P S was tasked thru our DOTD geotechnical retainer to drill and sample a total of 52 deep borings starting at the Washington Exit and ending at the LSU lakes. Along with this drilling and sampling APS will also test for strength and engineering characteristics of the soils with. A total of eight (8) over the water borings and 44 land borings with approximate 1000 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits. Mr. Sai was the project QA to the Geotechnical Investigations.

**I-10/I-110 Interchange Modification at Terrace Ave-** A P S was tasked thru our DOTD geotechnical retainer to drill and sample a total of six (6) deep borings for the design of the Terrace Ave exit. APS tested for strength and engineering characteristics of the soils with approximate 100 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits by A P S Laboratory. Mr. Sai was the project QA to the Geotechnical Investigations.

**US 61 Thompson Creek Bridge Replacement-** A P S was tasked thru our DOTD geotechnical retainer to drill and sample a total of eight (8) deep borings for the replacement bridge at US 61 over Thompson Creek. APS tested for strength and engineering characteristics of the soils. Mr. Sai was the project QA to the Geotechnical Investigations.

#### **US190 Bridge over Boguefalya River**

The purpose of this study was to explore the subsurface conditions at the site to enable an evaluation of an acceptable soils for the proposed new bridge and roadway. Mr. Sai was the project QA to the Geotechnical Investigations.

#### **I-12 TO BUSH LA 3241 (I-12 – LA 36) LA 3241 (LA 435 – LA 40/LA 41)**

The purpose of this study was to explore the subsurface conditions at the site to enable an evaluation of an acceptable soils for the proposed new highway to Bush, Louisiana. Mr. Sai was the project QA to the Geotechnical Investigations.

## 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:**

Donna Easterly

**Project Assignment:**

Laboratory Manager

**Name of Firm with which associated:**



**Years' experience with this Firm:**

5 Years

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

Bachelors of Science in Environmental Sciences, Ashford University 2019

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

N/A

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

**Professional Experience**

Mrs. Easterly is the Laboratory Manager for A P S and has 5 years' experience in the Geotechnical field. Mrs. Easterly received Bachelors of Science in Environmental Sciences, Ashford University 2019.

## **TEC Professional Services Questionnaire**

Her professional experience consists of Perform laboratory test on soil including but not limited to Compaction relationship, Atterbergs Limits, 200 Wash, Gradation, Moisture Content, Organics, Classifications, strength testing, specific gravity, and organic impurities. Calibration of lab equipment for compliance applicable to specification of overseeing standards.

### **Project Experience**

**I-10 Widening LA 415 to Essen LN-** A P S was tasked thru our DOTD geotechnical retainer to drill and sample a total of 52 deep borings starting at the Washington Exit and ending at the LSU lakes. Along with this drilling and sampling APS will also test for strength and engineering characteristics of the soils with. A total of eight (8) over the water borings and 44 land borings with approximate 1000 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits. Mr. Sai was the project QA to the Geotechnical Investigations.

**I-10/I-110 Interchange Modification at Terrace Ave-** A P S was tasked thru our DOTD geotechnical retainer to drill and sample a total of six (6) deep borings for the design of the Terrace Ave exit. APS tested for strength and engineering characteristics of the soils with approximate 100 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits by A P S Laboratory. Mr. Sai was the project QA to the Geotechnical Investigations.

**US 61 Thompson Creek Bridge Replacement-** A P S was tasked thru our DOTD geotechnical retainer to drill and sample a total of eight (8) deep borings for the replacement bridge at US 61 over Thompson Creek. APS tested for strength and engineering characteristics of the soils. Mr. Sai was the project QA to the Geotechnical Investigations.

#### **US190 Bride over Boguefalaya River**

The purpose of this study was to explore the subsurface conditions at the site to enable an evaluation of an acceptable soils for the proposed new bridge and roadway. Mr. Sai was the project QA to the Geotechnical Investigations.

#### **I-12 TO BUSH LA 3241 (I-12 – LA 36) LA 3241 (LA 435 – LA 40/LA 41)**

The purpose of this study was to explore the subsurface conditions at the site to enable an evaluation of an acceptable soils for the proposed new highway to Bush, Louisiana. Mr. Sai was the project QA to the Geotechnical Investigations.

## 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

<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<b>I-10 Widening LA 415 to Essen LN</b>  Kristy Smith, P.E. DOTD 1201Capitol Access Rd., Baton Rouge, La. 70802-4438 225-379-1016	Geotechnical Investigation to provide client with the necessary information for planning and design i-10 widening. A P S was tasked thru our DOTD geotechnical retainer to drill and sample a total of 52 deep borings starting at the Washington exit and ending at the LSU lakes. Along with this drilling and sampling A P S will also test for strength and engineering characteristics of the soils. A total of eight (8) over the water borings and 44 land borings with approximate 1000 triaxial compression, unconsolidated drained or undrained (UU) and Atterberg limits.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2020	N/A	Geotechnical

### PROJECT NO. 2

<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<b>West Tammany Hills Drainage</b> Jerome Lohmann, P.E.  St. Tammany Parish Government Procurement Department C/O G.E.C. Inc. 8282 Goodwood Boulevard Baton Rouge, LA 70806	A P S will perform six shallow borings and related services to design roadway and drainage along Quincy Avenue in Covington, Louisiana.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2020	N/A	Geotechnical



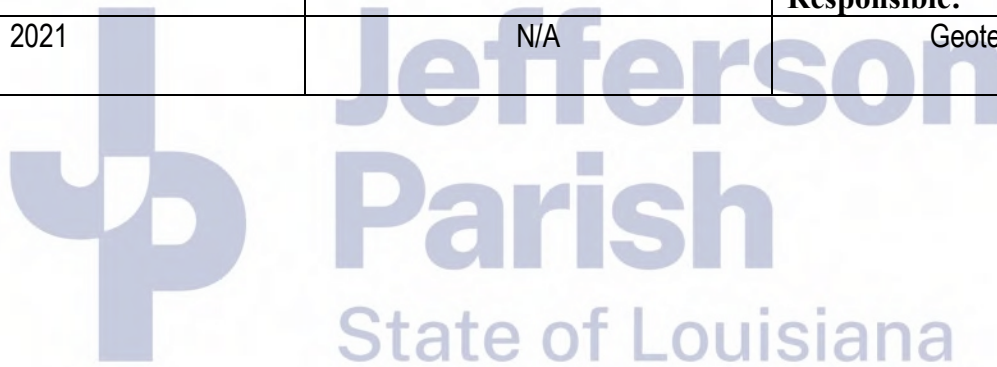
## TEC Professional Services Questionnaire

<b>PROJECT NO. 3</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility</b>	
<b>US 90 RAILROAD OVERPASS SE OF LA 85</b>  Kristy Smith, P.E. DOTD 1201Capitol Access Rd., Baton Rouge, La. 70802-4438 225-379-1016	A P S will perform six deep borings and related services to design roadway and structure improvements consisting of a culvert structure placed at or near existing ground elevation. Embankment placed to raise the profile grade line of US 90 and frontage roads to allow the roadway to pass over the culvert structure. The scope of services also includes removing an at grade railroad crossing on US 90 and replacing it with an access tunnel beneath the mainline and frontage roads.	
<b>Completion Date (Actual or estimated)</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2021	N/A	Geotechnical

<b>PROJECT NO. 4</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Villar Canal and Drainage Bridges LA-431 Bridges Ascension Parish, Louisiana  Kristy Smith, P.E. DOTD 1201Capitol Access Rd., Baton Rouge, La. 70802-4438 225-379-1016	A P S will perform a total of four deep soil borings and associated laboratory testing; to design replacement bridges at the locations.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2020	N/A	Geotechnical

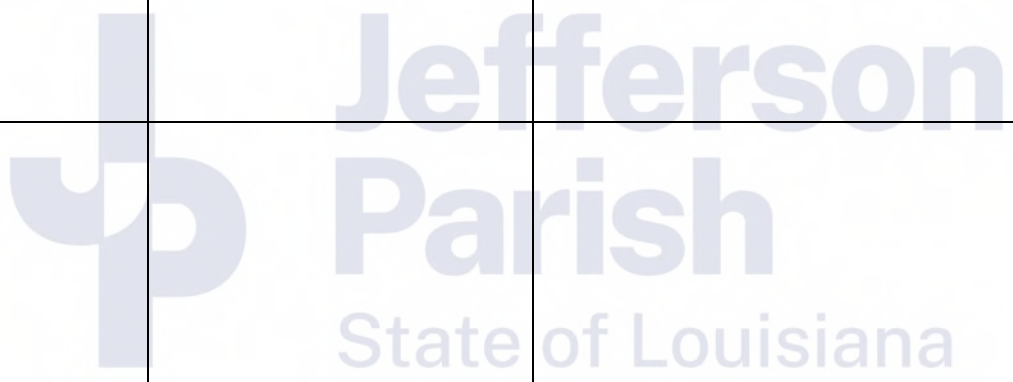
**TEC Professional Services Questionnaire**

<b>PROJECT NO. 5</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<b>Lafayette MPO Urban System Projects</b>  Blake S. Roussel, P.E., P.M.P STANLEY CONSULTANTS 721 Government Street, Suite 302 Baton Rouge LA 70802	A P S will perform 35 roadway borings to include laboratory testing of the samples obtained to evaluate the classification, strength and other characteristics. The results of the field exploration and laboratory tests will be presented according to DOTD specifications for roadway design	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2021	N/A	Geotechnical



**TEC Professional Services Questionnaire**

<b>M. List all prior and/or on-going litigation between Firm and Jefferson Parish. Please attach additional pages if necessary.</b>		
<b>Parties:</b>		<b>Status/Result of Case:</b>
<b>Plaintiff:</b>	<b>Defendant:</b>	
<b>1. NONE</b>		
<b>2.</b>		
<b>3.</b>		
<b>4.</b>		



## TEC Professional Services Questionnaire

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

### **STATEMENT OF QUALIFICATIONS**

APS Engineering and Testing, LLC is a geotechnical engineering, environmental, construction engineering, construction materials testing and inspection company that provides a broad range of related services which include but are not limited to:

- **Geotechnical Engineering Analyses**-Geotechnical investigations and reports, foundation design, pavement design, slope stability analyses, settlement and down drag analyses, cofferdam and excavation design, bulkheads, docks, wharfs, borrow pits, WEAP, and CAPWAP.
- **Laboratory Testing**- Strength testing UC, CU, CD, UU, consolidation, and classification testing for soils and aggregates.
- **Construction Materials Testing and Inspection**- Pile logging and load test monitoring, concrete inspection and testing, earthwork inspection and testing, and, in place density and compaction testing, Pile Driving Analyzer (PDA) monitoring, [Cross-hole and Single Hole Sonic Logging](#), Pulse Echo Integrity Testing a non destructive pile testing.
- **Environmental**- Environmental Site Assessments, Site Characterization, Asbestos Containing Materials, Soil and Water Sampling and Chemical Testing.

A P S Engineering and Testing, LLC is certified, or has applied for certification, by the appropriate local, state, and federal agencies in the following areas:

- Small business
- Disadvantaged business enterprise (DBE - minority owned)

In addition, we are our laboratory is certified with the following agencies: **AMRL (AASHTO)**

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

**Signature:**



**Print Name:** Sergio Aviles

**Title:** President

**Date:** 2/7/2022