REQUEST FOR ENGINEERING AND RELATED SERVICES FOR HARVEY CANAL TUNNEL REHABILITATION (CE&I)

Contract No. 4400024438

State Project No. H.010673

VOLKERT

DOTD

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Volkert, Inc.
Baton Rouge Office
7967 Office Park Boulevard
Baton Rouge, LA 70809 225.218.9440
www.volkert.com

October 25, 2022

Department of Transportation & Development
Attn: Mr. Michael "Mike" Gorbaty
Consultant Contract Services Administrator
1201 Capitol Access Road, Room 405-BB
Baton Rouge, LA 70802

RE: CONTRACT FOR US 90Z: HARVEY CANAL TUNNEL REHABILITATION (CE&I)
CONTRACT NO. 4400024438; STATE PROJECT NO. H010673

Dear Mr. Gorbaty,

Volkert, Inc. is pleased to submit on the **Harvey Canal Tunnel Rehabilitation (CE&I)** advertisement. As part of Volkert's commitment to providing the Louisiana Department of Transportation and Development (LADOTD) with a proven team to successfully deliver this contract, Volkert has insured the availability of our experienced engineers, inspectors, and additional staff.

Within Volkert's 96-year history, Volkert has developed a pedigree as a multi-discipline engineering and environmental firm, providing services to state and federal agencies, local and municipal governments and private industry clients throughout Louisiana. Volkert has designed and constructed thousands of miles of roadway and bridges for our clients. Volkert has provided professional services for roadway design, bridge design, construction engineering and inspection, corridor studies, traffic engineering, lighting design, environmental engineering, complete street design, surveying and real estate / right-of-way services.

For this contract, Volkert will serve as the Prime Consultant and will augment our team with WSP USA, Inc. (WSP) and APS Engineering and Testing, LLC (APS) a licensed DBE firm. We also acknowledge Addendum **1** that was issued on October **13**, 2022.

The following subconsultants have been selected as part of the Volkert team:

- WSP USA, Inc. will provide tunnel inspection expertise as well as mechanical and electrical services as needed.
- APS will provide Construction Materials Testing and Independent Laboratory Testing services as-needed.

I am authorized to bind the company under this contract and I look forward to discussing this opportunity in greater detail; you can reach me at the contact information below with any comments or questions.

Contact Information:
Authorized Representative
Janet L. Evans, PE, MBA
jan.evans@volkert.com
(225) 270-1454 (c)

Respectfully submitted,
Volkert, Inc.

Janet L. Evans, PE, MBA
Vice President of Louisiana Operations


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LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT

(Revised March 1, 2022)

DOTD FORM: 24-102

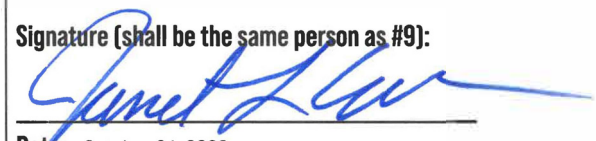
PROPOSAL TO PROVIDE CONSULTANT SERVICES

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.

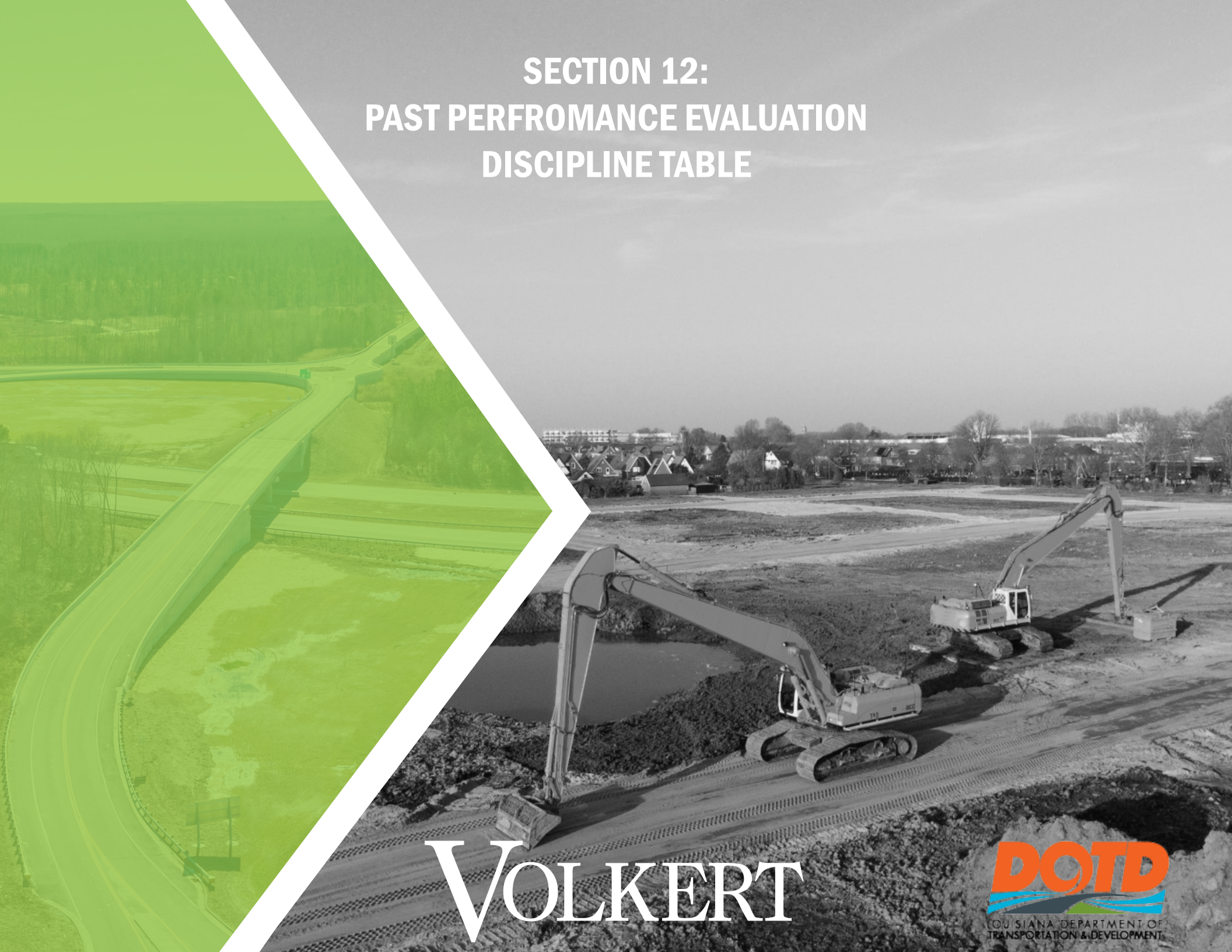
ANY CONSULTANT FAILING TO SUBMIT ANY OF THE INFORMATION REQUIRED ON THE DOTD FORM 24-102, OR PROVIDING INACCURATE INFORMATION ON THE DOTD FORM 24-102, MAY BE CONSIDERED NON-RESPONSIVE.

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	Contract for Harvey Canal Tunnel Rehabilitation (CE&I)
2. Contract number(s) as shown in the advertisement	Contract No.. 4400024438
3. State Project Number(s), if shown in the advertisement	State Project No. H.010673
4. Prime consultant name (as registered with the Louisiana Secretary of State where such registration is required by law)	Volkert, Inc.
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	Louisiana License: EF.0002500
6. Prime consultant mailing address	7967 Office Park Boulevard Baton Rouge, Louisiana 70809
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	7967 Office Park Boulevard Baton Rouge, Louisiana 70809
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Janet L. Evans, PE, Vice President 225-218-9440; Jan.evans@volkert.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Janet L. Evans, PE, Vice President 225-218-9440; Jan.evans@volkert.com
10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies thatit is not engaged in a boycott of Israel and it will,	

for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.	**Signature (shall be the same person as #9):**  **Date:** October 24, 2022
11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.	**Firm(s): APS Engineering & Testing, LLC** **Firm(s)' %: 8**

SECTION 12:
PAST PERFROMANCE EVALUATION DISCIPLINE TABLE



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12. Past Performance Evaluation Discipline Table:
As indicated in the advertisement, insert the completed table here. The percentages for the prime and sub-consultants must total 100% for each past performance evaluation discipline, as well as the overall total percent of the contract. The only past performance evaluation disciplines to be used are: Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other. The crosswalk from the old categories to the new categories can be found at the link below: http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/CCS/General%20Information/CPPR%20Crosswalk%20to%20New%20Evaluation%20Disciplines.pdf (same link as in the advertisement)

Past Performance Rating Catagories**	% of Overall Contract	Volkert	WSP	APS
CE&I / OV	98%	58%	34%	8%
Survey	2%	100%	0%	0%
Identify the percentage of work for the overall contract to be performed by the prime consultant and each sub-consultant.				
Percent of Contract	100%	58%	34%	8%

SECTION 13: FIRM SIZE

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13. For all firms that are part of this team, indicate the approximate number of personnel to be committed to this contract, by DOTD Job Classification and the total number of personnel within the firm that could provide support, if needed. If a specialized job classification is required and not included on the DOTD job classification list, specify "Other (xxxx)" and include the classification title inside the parentheses. The DOTD Job Classification(s) to be used can be found at the following link:
http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/CCS/Job_Qualification/Job%20Classifications%20with%20Descriptions.pdf

Firm Name	DOTD Job Classification	Number of Personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
Volkert, Inc.	Principal	1	37
Volkert, Inc.	Supervisor - Engineer	1	38
Volkert, Inc.	Engineer	1	93
Volkert, Inc.	Inspector - Certified	4	6
APS	Engineer	5	5
APS	Driller	8	8
APS	Technician	12	12
WSP USA Inc.	Inspector-Lead	2	2
WSP USA Inc.	Inspector	5	10

SECTION 14: ORGANIZATIONAL CHART

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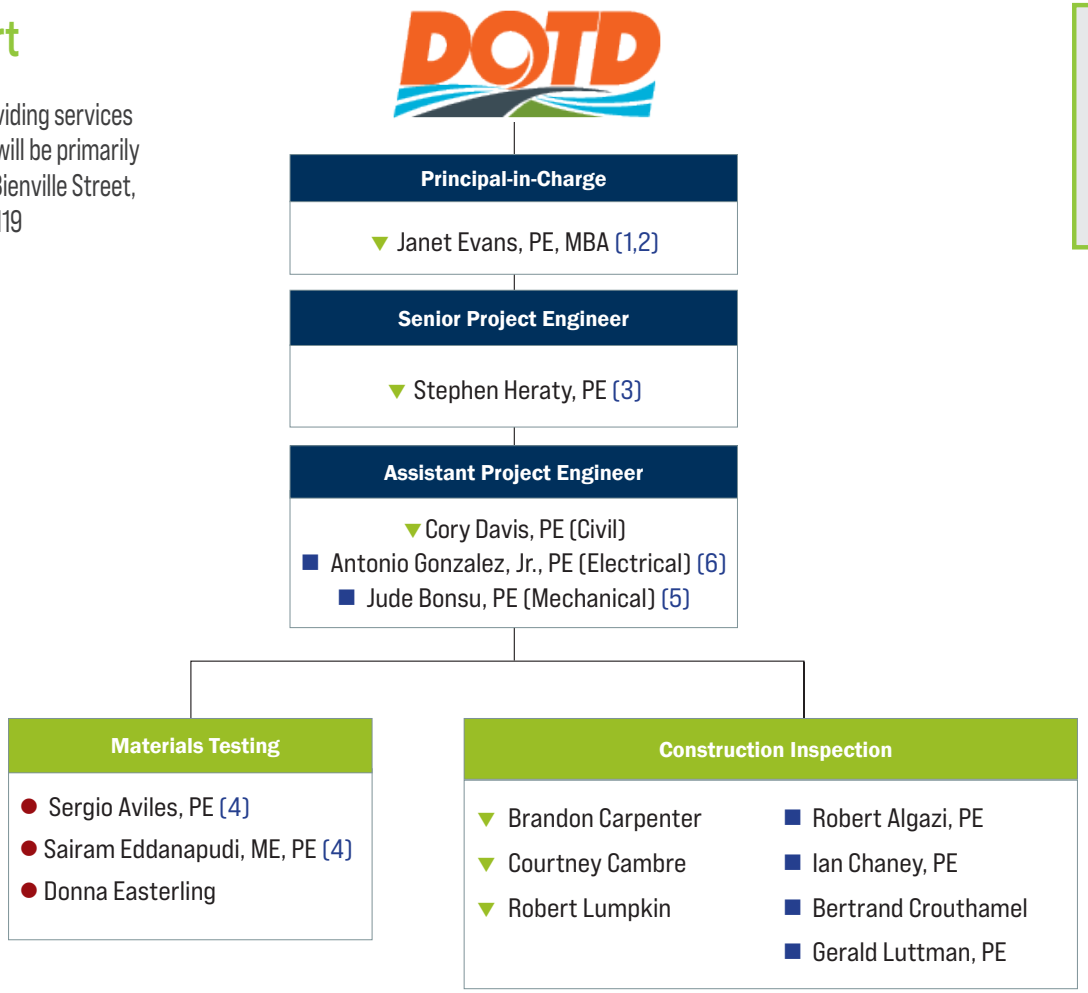
14. Organizational Chart:
Provide an organizational chart showing ALL relevant prime consultant and sub-consultant (if applicable) personnel assigned to the contract, area of project responsibility for each, and reporting lines for the purposes of this contract. An individual's role does not necessarily have to match their DOTD job classification identified in Section 13. If applicable, identify all personnel performing traffic engineering analysis and/or QC of traffic engineering analysis by placing an asterisk next to their name. Include the certificates required by the Traffic Engineering Process and Report Training Requirements article of the Advertisement in Section 20. It is acceptable to use an 11x17 format for Section 14.

Organizational Chart

Volkert will serve as the prime firm in providing services to LADOTD for this contract. The contract will be primarily managed from our office located at 4141 Bienville Street, Suite 102, New Orleans, LA 70119



Firm Legend
▼ Volkert, Inc.
■ WSP
● APS
(Minimum Personnel Requirement Nos.)

SECTION 15:
MINIMUM PERSONNEL REQUIREMENTS

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15. Minimum Personnel Requirements:

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

MPR No.Do not insert wording from ad	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license / certification & number	State of license	License / certification expiration date
1	Janet L. Evans, PE, MBA	Volkert, Inc.	Civil PE #21307	LA	09/30/2024
2	Janet L. Evans, PE, MBA	Volkert, Inc.	Civil PE #21307	LA	09/30/2024
3	Stephen Heraty, PE	Volkert, Inc.	Civil PE #31272	LA	09/30/2024
4	Sergio Aviles, PE	APS Engineering & Testing, LLC	Civil PE #33571	LA	09/30/2024
5	Jude Bonsu, PE	WSP USA, Inc.	Mechanical PE #44561	LA	09/30/2024
6	Antonio Gonzalez, Jr., PE	WSP USA, Inc.	Electrical PE # 38719	LA	09/30/2024

SECTION 16: STAFF EXPERIENCE

- VOLKERT
- WSP
- APS

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: Volkert, Inc.			
Janet L. Evans, PE, MBA *Principal-in-Charge*		**Years of relevant experience with this employer**	13
		Years of relevant experience with other employer(s)	26
Degree(s) / Years / Specialization	MBA |1986 |Business Administration BS |1980 |Civil Engineering	**Year registered**	1984
Active registration number / state / expiration date	21307 | LA | 9/30/2024	**Discipline**	Civil

Contract role(s) / brief description of responsibilities:

Mrs. Evans will be serving as Project Principal. Mrs. Evans will fulfill MPR's 1 & 2 for this project.

Experience dates (mm/yy-mm/yy)	**Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).**
39 years of experience	Ms. Evans joined Volkert in 2008 and has over 39 years of roadway and bridge project management and design experience in design and construction of transportation projects. This includes urban freeway design, stage 0 studies, capacity improvements, (lane additions), environmental justice and interchange modifications as well as both traditional design and an alternative design build considered confined work zones, traffic queuing and limited lane closures and development of construction sequencing for the high average daily traffic volume interstates. Her combination of construction and design experience has been utilized by the department in various alternative delivery projects including the development of draft CMAR guidelines and the development of a design build construction manual. She has renewed her ATSSA Traffic Control Supervisor, Technician and Flagger certifications recently. Ms. Evans experience from both the construction side and the design side allow her to provide insight which aids in the resolution of issues in alternative delivery projects. She has numerous years of experience serving as a Principal on alternative LADOTD projects and is currently providing Construction Quality Assurance on several urban roadway and bridge replacement projects in the area.
06/2020 -8/2024	**LA 23: Belle Chasse Bridge and Tunnel (HBI) Improvements** | Principal-in-Charge | Ms. Evans is serving as Project Principal for the Belle Chasse Bridge and Tunnel Improvements. Volkert will be responsible for providing all Engineering Design and Construction Support services including implementation of the Construction Quality Assurance Plan for the Belle Chasse Bridge & Tunnel Public Private Partnership (P3) Project which provides for the replacement of the Belle Chasse Tunnel and Judge Perez Lift Bridge with a new toll bridge. This includes the development of construction plans, bridge replacement plans, decommissioning of the Tunnel and development of O&M plans. As the OVT, Volkert will provide guidance and support to the LADOTD Project Manager prior to and during reviews, develop review comments, attend project meetings, ensure that the P3 team adheres to their contract, and address other assignments as directed.

Firm employed by: Volkert, Inc.	
Experience dates (mm/yy-mm/yy)	**Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).**
08/2017 - 02/2020	**I-10: Highland Road to LA 73 Design-Build, East Baton Rouge and Ascension Parishes, LA (LADOTD)** | Ms. Evans is serving as Principal-in-Charge for the Owner Verification Team (OVT) on Task Orders 3 & 4 which allows Volkert to provide procurement and project oversight and acceptance for both design and construction for the I-10 Design-Build project from Highland Road in East Baton Rouge Parish to LA 73 in Ascension Parish. She is responsible for all project oversight for the Design and Construction on this $72M Design-Build project. This project consists of upgrading a portion of I-10 in East Baton Rouge and Ascension Parish to a six-lane controlled access facility including construction of a new six-lane I-10 overpass at Highland Road. This was the fastest procured design-build today in DOTD History. | State Contract No. 4400004915 TO 3 & 4, S.P. No. H.009250.
03/2015 – 07/2017	**I-10: French Branch Bridge – West Pearl River Bridge, Routes I-10, I-12, I-59, St. Tammany Parish, LA (LADOTD)** | Ms. Evans served as Principal-in-Charge. Volkert provided construction contract administration and CE&I services for the clearing and grubbing, grading, drainage structures, cold planning asphaltic concrete, Class II Base Course, Superpave asphaltic concrete pavement, Portland Cement Concrete Pavement, and lime treatment.
08/2006 – 08/2011	**I-10 Twin Span Bridge Over Lake Pontchartrain Low Level Portions and Main Spans in Orleans and St. Tammany Parishes, Louisiana for the Louisiana DOTD** |Ms. Evans served as Principal-in-Charge. The new bridge was designed for a 100-year life and built 300 feet to the east of the existing bridge. The bridge has an elevation of 30 feet, 21 feet higher than the existing bridge, with an 80-foot high-rise section near the Slidell side to allow for marine traffic and withstand a much higher storm surge. The 60-foot width of each span included three 12-foot lanes and two 12-foot shoulders on each side. The bridge was designed to include reinforced concrete walls to increase storm surge resistance and minimize the effects of any barge collision.
04/2018 - 04/2019	**I-220 to Barksdale AFB Connector Design-Build Procurement, Bossier Parish, LA (LADOTD)** | Ms. Evans is serving as Principal-in-Charge for Volkert's team as they completed preliminary construction cost estimates and reviewed preliminary engineering layouts from LA DOTD to help assess impacts, constructability design issues. She also helped produce the Performance Specifications, worked with LA DOTD staff in each category for project specific design issues to be addressed. She also assisted in the preparation of the Public Information Meetings and the One-on-One meetings with the shortlisted Design-Build teams for this $71.8 M Design-Build project. | State Contract No. 4400004915 TO 5, S.P. No. H.003370.
09/2020 – 11/2022	**Owner Verification Services for College Drive Flyover Ramp (I-10/I-12 west) in East Baton Rouge Parish for the Louisiana Department of Transportation and Development (LADOTD)** | Ms. Evans served as Principal-in-Charge for this project that consisted of modifying the I-10 West/College Drive exit into separate I-12 West and I-10 West exits. Volkert provided all necessary engineering services as part of this Design-Build/Owner Verification project. This included design reviews for bridges, roads, hydraulics, electrical and ROW Acquisition efforts as well as contract administration, scheduling, document control, and construction phase services. | SP No. 4400019680, S.P. No H.013897.
12/2017 - 12/2020	**Causeway Shoulder Bay Design, Jefferson and St. Tammany Parishes, LA (Greater New Orleans Expressway Commission)** | Volkert was selected to design essential and long-awaited shoulder additions. The bridge shoulders, comprising 12 "shoulder bays," will provide a safe space for disabled vehicles to pull over out of traffic. They will also increase safety for motorists and emergency personnel in the event of a crash. This project was executed using the CMAR alternative delivery method, a first for the State of Louisiana. Mrs. Evans served as Project Principal and Project Manager for this project.

Firm employed by: Volkert, Inc.			
Stephen Heraty, PE *Project Supervisor / Engineer*		**Years of relevant experience with this employer**	20
		Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization	BS | 1997 | Civil Engineering	**Year registered**	2004
Active registration number / state / expiration date	31272 | LA | 9/30/2024	**Discipline**	Civil

Contract role(s) / brief description of responsibilities:
Mr. Heraty will serve as Project Supervisor for this project. Mr. Heraty fufills MPR's #'s 3 & 4.

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
21 years of experience	Mr. Heraty has been with Volkert since 1998 and is responsible for assisting with engineering and CEI Services associated with civil and structural engineering projects. For over 10 years he has served as Project Engineer and Responsible Charge of CEI projects for the LADOTD. His experience includes work in design, bridge inspection and construction engineering and inspection. He is a member of the Gulf Region Intelligent Transportation Society. He is IMSA certified for Fiber Optics for ITS Level I & II as well as a certified Fiber Optics Installer. He also has been a certified bridge inspector since 2005.
02/2020 – 08/2024	**LA 23: Belle Chasse Bridge and Tunnel (HBI) Improvements** | Sr. Construction and Inspection Engineer | Mr. Heraty serves as the Sr. Construction and Inspection Engineer for the Owner Verification Team. | Volkert will be responsible for providing all Engineering Design and Construction Support services including implementation of the Construction Quality Assurance Plan for the Belle Chasse Bridge & Tunnel Public Private Partnership (P3) Project which provides for the replacement of the Belle Chasse Tunnel and Judge Perez Lift Bridge with a new toll bridge. This includes the development of construction plans, bridge replacement plans, decommissioning of the Tunnel and development of O&M plans. As the OVT, Volkert will provide guidance and support to the LADOTD Project Manager prior to and during reviews, develop review comments, attend project meetings, ensure that the DBT adheres to their contract, and address other assignments as directed. | State Contract No. 4400018899.
08/2014 - 2017	**CEI Services for the I-10 from Veterans to Clearview Lane Additions in Jefferson Parish, Louisiana** | Project Manager | Mr. Heraty was responsible for oversight of all construction and administration activities, as well as coordination with all local and state agencies. The project consists of adding lanes to the existing roadway and bridges, drainage structures, grading, cold planning asphaltic pavement, Class II base course, Superpave asphaltic concrete pavement, asphaltic concrete SMA wearing course, signing, lighting, sound barrier walls, slab span and girder span bridges, pavement markings, and related work.
03/2015 – 07/2017	**I-10: French Branch Bridge – West Pearl River Bridge, Routes I-10, I-12, I-59, St. Tammany Parish, LA (LADOTD)** | Volkert provides construction contract administration and CE&I services for the clearing and grubbing, grading, drainage structures, cold planning asphaltic concrete, Class II Base Course, Superpave asphaltic concrete pavement, Portland Cement Concrete Pavement, and lime treatment. Mr. Heraty served as Construction and Inspection Engineer for this project.

Firm employed by: Volkert, Inc.	
Experience dates (mm/yy-mm/yy)	**Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).**
08/2006 - 08/2011	**I-10 Twin Span Bridge Over Lake Pontchartrain Low Level Portions and Main Spans in Orleans and St. Tammany Parishes, Louisiana for the Louisiana DOTD |** The new bridge was designed for a 100-year life and built 300 feet to the east of the existing bridge. The bridge has an elevation of 30 feet, 21 feet higher than the existing bridge, with an 80-foot high-rise section near the Slidell side to allow for marine traffic and withstand a much higher storm surge. The 60-foot width of each span included three 12-foot lanes and two 12-foot shoulders on each side. The bridge was designed to include reinforced concrete walls to increase storm surge resistance and minimize the effects of any barge collision. Mr. Heraty served as Construction and Inspection Engineer for this project.
08/2017 - 07/2020	**I-10: Highland Road to LA 73 Design-Build, East Baton Rouge and Ascension Parishes, LA (LADOTD) |** Sr. Construction and Inspection Engineer - Mr. Heraty serves as the Sr. Construction and Inspection Engineer for the Owner Verification Team. | He is responsible for the Owner Verification Team's (OVTs) construction services and oversight related to the construction process on the Design-Build project. Mr. Heraty coordinates the OVT effort to verify that the project is being constructed in accordance with the LA DOTD Design-build Contract and Specifications. This project consists of upgrading a portion of I-10 in East Baton Rouge and Ascension Parish to a six-lane controlled access facility including construction of a new six-lane I-10 overpass at Highland Road. State Contract No. 4400004915 TO 4, S.P. No. H.009250.
08/2006 – 08/2011	**CEI Services for the I-10 Twin Span Bridge Over Lake Pontchartrain Low Level Portions and Main Spans in Orleans and St. Tammany Parishes, Louisiana for the LADOTD** | The new bridge was designed for a 100-year life and built 300 feet to the east of the existing bridge. The bridge has an elevation of 30 feet, 21 feet higher than the existing bridge, with an 80-foot high-rise section near the Slidell side to allow for marine traffic and withstand a much higher storm surge. The 60-foot width of each span included three 12-foot lanes and two 12-foot shoulders on each side. As project engineer, Mr. Heraty was responsible for oversight of all construction and administration activities, as well as coordination with all local and state agencies. As assistant project engineer, Mr. Heraty was responsible for project administration of the reconstruction of the I-10 Twin Span Bridge Over Lake Pontchartrain project. State Contract Nos. 450-17-0025, 450-17-0028.
08/2006 - 08/2011	**I-10 Twin Span Existing Bridge Demolition**, **LADOTD** | Orleans and St. Tammany Parishes, LA | Project Administrator | This project consisted of the removal, breaking up, transporting, and placing of all concrete and embedded reinforcing steel from spans of the I-10 Twin Span Bridge, which was damaged during Hurricane Katrina. The project also consists of constructing artificial reefs in Lake Pontchartrain. As Project Administrator, he was responsible for all aspects of this project.

Firm employed by: Volkert, Inc.			
Cory Davis, PE *Project Engineer*		**Years of relevant experience with this employer**	3
		Years of relevant experience with other employer(s)	36
Degree(s) / Years / Specialization	BS | 2014 | Civil Engineering	**Year registered**	2022
Active registration number / state / expiration date	46363 | LA | 9/30/2024	**Discipline**	Civil

Contract role(s) / brief description of responsibilities:
Mr. Davis will serve as Project Engineer for this project. Mr. Ricca fufills MPR # 3,4, & 5.

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
7 years of experience	Mr. Davis has over 7 years of experience on construction projects for roadway and bridge infrastructure upgrades. He has worked under Mr. Heraty since joining Volkert and is currently serving as a Project Engineer on a major bridge and tunnel replacement project. He is responsible for ensuring all day-to-day construction activities conform to department specifications. He oversees all project documentation and coordination of inspection personnel. It is also his responsibility to coordinate with project personnel on a daily basis and conduct progress meetings.
2021 - Ongoing	**Belle Chasse Bridge & Tunnel Replacement Public-Private Partnership Project.** | Project Engineer. Volkert is providing Owner Verification services to LADOTD for the design-build construction of a new toll bridge spanning over the Gulf Intracoastal Waterway in Belle Chasse, LA. The project consists of excavation and embankment, grading, drainage structures, removal of PCC pavement, temporary detour roads, class II base course, Superpave asphaltic concrete pavement, PCC pavement, temporary and permanent striping, concrete roadway barrier, guardrail, concrete approach slabs, temporary and permanent sheet pile, removal of existing bridge components, structural metalwork, epoxy-urethane overlay, precast concrete pilings, drilled shafts, precast prestressed concrete girders, electrical systems and lighting, cast-in-place structural (Class A1) concrete footings, columns, caps, and bridge decks.
2017 - 2021	**I-10 East - Junction I-49 to LA 328, St. Martin and Lafayette Parishes, LA for Louisiana DOTD c/o GEC, Inc.** . Assistant Project Engineer. Volkert is providing construction engineering and inspection (CE&I) services to Gulf Engineers and Consultants (GEC) for the widening and reconstruction of I-10 from the LA 328 overpass to the I-49 / I-10 Junction. The project consists of clearing and grubbing, excavation and embankment, grading, drainage structures, cold planing asphaltic concrete, removal of PCC pavement, temporary detour roads, class II base course, Superpave asphaltic concrete pavement, open graded friction course asphalt, PCC pavement, temporary and permanent striping, soil cement and lime treatment of sub-base, concrete roadway barrier, guardrail, concrete approach slabs, cast-in-place concrete and flexible revetments, temporary and permanent sheet pile, removal of bridge deck (hydroblast), structural metalwork, epoxy-urethane overlay, precast concrete pilings, drilled shafts, precast prestressed concrete girders, electrical systems and lighting, weigh-in-motion, cast-in-place structural (Class A1) concrete footings, columns, caps, and bridge decks

Firm employed by: Volkert, Inc.	
Experience dates (mm/yy-mm/yy)	**Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).**
2015 - 2016	**I-10 French Branch Bridge – West Pearl River Bridge, Routes I-10, I-12, I-59 in St. Tammany Parish, Louisiana for the Louisiana Department of Transportation and Development (DOTD).** | Volkert provided construction contract administration and construction engineering and inspection (CEI) services for the clearing and grubbing, grading, drainage structures, cold planing asphaltic concrete, Class II Base Course, superpave asphaltic concrete pavement, Portland Cement Concrete Pavement, lime treatment, and related work located at the junction of Routes I-10, I-12, and I-59. The project length was 10.736 miles. Mr. Davis served as inspector for this project.
2017 - 2021	**Markham Peachtree Storm Drainage Upgrades for the City of Slidell. |** The first phase of this project consisted of developing a hydrologic & hydraulic study to develop recommendations for the replacement of an existing box culvert on the WP-20 Canal upper drainage basin in the City of Slidell, St. Tammany Parish, Louisiana. A hydraulic model of the WP-20 Canal and associated structures was created and analyzed using HEC-RAS, and water surface profiles were determined for the 5-, 10-, 25-, 50-, and 100-year return periods. The project site is within an existing residential area with limited R.O.W. for the culvert and construction equipment. As part of the study and report, recommendations were made for the proposed culvert size. Recommendations were also made for certain issues that may arise during construction to limit or eliminate issues that may arise due to its location within a residential area.

Firm employed by: Volkert, Inc.			
Courtney Cambre *Certified Inspector*		Years of relevant experience with this employer	14
		Years of relevant experience with other employer(s)	14
Degree(s) / Years / Specialization	BS | 2001 | Civil Engineering	Year registered	N/A
Active registration number / state / expiration date	N/A	Discipline	N/A

Contract role(s) / brief description of responsibilities:
Mr. Cambre will be serving as a Certified Inspector for this project.

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
14 years of experience	Mr. Cambre joined Volkert in 2008 and serves as Construction Inspector for Louisiana based roadway and bridge projects. Mr. Cambre has greater than 5 years of entering data into DOTD's Site Manager system. This includes data for daily reports, scanning documents into the construction document upload files, LIMS data and Site Manager Materials.
09/2020 – 11/2022	**I-10: Highland Road to LA 73 Design-Build, East Baton Rouge and Ascension Parishes, LA (LA DOTD)** | Mr. Cambre is serving as Sr. Construction Inspector for the OVT on Task Order 4 which allows Volkert to provide project oversight and acceptance for both design and construction for the I-10 Design-Build project from Highland Road in East Baton Rouge Parish to LA 73 in Ascension Parish. Volkert's Baton Rouge office is responsible for all project oversight for the Design and Construction on this $72M Design-Build project. This project consists of upgrading a portion of I-10 in East Baton Rouge and Ascension Parishes to a six-lane controlled access facility including construction of a new six-lane I-10 overpass at Highland Road.
	US 11: Lake Pontchartrain Rehab Phase I, Orleans and St. Tammany Parishes, LA (LA DOTD) Volkert was responsible for all CE&I services. This project consisted of repairs of damaged bridge elements of the US 11 bridge over Lake Pontchartrain connecting Slidell, LA to New Orleans, LA. The bridge is 4.639 miles in length and was opened to traffic in 1928. The repaired included Carbon Fiber Reinforced Polymer (CFRP) repairs to the girders, caps, and piles, structural concrete repairs to the bridge deck and diaphragms and encasement of all piles on the projected. Mr. Cambre provided field inspection on this project.
2015 - 2016	**I-10 French Branch Bridge – West Pearl River Bridge, Routes I-10, I-12, I-59 in St. Tammany Parish, Louisiana for the Louisiana Department of Transportation and Development (DOTD).** | Volkert provided construction contract administration and construction engineering and inspection (CEI) services for the clearing and grubbing, grading, drainage structures, cold planing asphaltic concrete, Class II Base Course, superpave asphaltic concrete pavement, Portland Cement Concrete Pavement, lime treatment, and related work located at the junction of Routes I-10, I-12, and I-59. The project length was 10.736 miles. Mr. Cambre served as inspector for this project.

Firm employed by: Volkert, Inc.			
Robert Lumpkin *Certified Inspector*		Years of relevant experience with this employer	4
		Years of relevant experience with other employer(s)	9
Degree(s) / Years / Specialization	N/A	Year registered	N/A
Active registration number / state / expiration date	N/A	Discipline	N/A

Contract role(s) / brief description of responsibilities:
Mr. Lumpkin will be serving as a Certified Inspector for this project.

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
13 years of experience	Mr. Lumpkin joined Volkert in June of 2017 and serves as Construction Inspector for Louisiana based roadway and bridge projects. His certifications are shown below: ▼ LA DOTD Structural Concrete Inspector ▼ ATSSA Traffic Control Supervisor ▼ ATSSA Traffic Control Technician ▼ ATSSA Traffic Control Flagger ▼ PCI Level III ▼ ACI Concrete Field Testing Technician -Grade 1
8/2020 – Ongoing	**US 11: Lake Pontchartrain Rehab Phase I, Orleans and St. Tammany Parishes, LA (LA DOTD) |** Volkert is responsible for all CE&I services. This project consists of repairs of damaged bridge elements of the US 11 bridge over Lake Pontchartrain connecting Slidell, LA to New Orleans, LA. The bridge is 4.639 miles in length and was opened to traffic in 1928. The repairs include Carbon Fiber Reinforced Polymer (CFRP) repairs to the girders, caps, and piles, structural concrete repairs to the bridge deck and diaphragms and encasement of all piles on the project.
	I-10: Highland Road to LA 73 Design-Build, East Baton Rouge and Ascension Parishes, LA (LA DOTD) | Mr. Lumpkin is serving as Construction Inspector for the OVT on Task Order 4, which allows Volkert to provide project oversight and acceptance for both design and construction for the I-10 Design-Build project from Highland Road in East Baton Rouge Parish to LA 73 in Ascension Parish. Volkert's Baton Rouge office is responsible for all project oversight for the Design and Construction on this $72 million Design- Build project. This project consists of upgrading a portion of I-10 in East Baton Rouge and Ascension Parishes to a six-lane controlled access facility including construction of a new six-lane I-10 overpass at Highland Road.

Firm employed by: Volkert, Inc.	
Experience dates (mm/yy-mm/yy)	**Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).**
2008 - Ongoing	**Retainer Contract for Fabrication Inspection, Statewide, LA (LA DOTD) |** This project consists of fabrication contract administration and fabrication engineering inspection services for fabrication plants in and out of state. Volkert is responsible for fabrication contract administration and fabrication engineering inspection services for all precast prestressed concrete cast for this project. Mr. Lumpkin provides inspection of prestress bridge members at the Gulf Coast Prestress Plant in Pass Christian, Mississippi. Mr. Lumpkin worked on the following Retainer Contract 4400001613 projects: Bayou Lafourche Bridge, S.P. No. H.000174.6; I-12 Livingston Par Approach Slab Rep P2, S.P. No. H.009595.6; US 90 at LA-318 Interchange Design Build, S.P. No. H.004932.6; LA 45 Goose Bayou Bridge and Approaches, S.P. No. H.002260.6. Mr. Lumpkin worked on the following Retainer Contract 4400008958 projects: Cherry Witchie Bridge & Flat Creek Branch, S.P. No. H.010055.6; LA 10 Beaver Creek Bridge Replacement, S.P. No. H.012699.6; LA 378-S Indian Bayou Bridge & Approaches, S.P. No. H.007939.6; LA-1 Bridges Near Grand Isle, S.P. No. H.001439.6-2; LA 323 Bayou Teche Bridge (Oaklawn), S.P. No. H.002798.6; I- 10 to Highland Fabrication, S.P. No. H.009250.6; LA 1 Leeville to Golden Meadow Phase 2E, S.P. No. H.011239.6; LA 12 Bridges, S.P. No. H.000428.6; I-220/I-20 Interchange Imp & BAFB Access, S.P. No. H.003370.6; LA 21 to US 190, S.P. No. H.013866.6; LA 12 Bridges, S.P. No. H.000428.6-2; Belle Chasse Tunnel Replacement, S.P. No. H.004791.6 | Retainer Contract Nos. 4400001613 and 4400008958
10/2011 - 03/2015	**I-10: Veterans Boulevard to Clearview Parkway in Jefferson Parish, LA (LA DOTD) |** Volkert provided construction contract administration and CE&I services for additional lanes on I-10 between Veterans Boulevard and Clearview Parkway in Metairie, Louisiana. The project consisted of adding lanes and full width shoulders in each direction to the existing roadway and bridges, increasing drainage capacity, cold planing asphaltic pavement, Class II base course, Superpave asphaltic concrete pavement, asphaltic concrete SMA wearing course, new roadway signing and lighting, sound barrier walls, slab span and girder span bridges, pavement markings, waterline relocation, sewer force main relocation, and related work. Mr. Carpenter provided field inspection on this project. Mr. Carpenter was responsible for inspecting pile driving operations, forming operations, reinforcing steel operations, and concrete placement, which included the inspection of embankment and base course, structural steel, reinforcing steel, structural concrete, and traffic control. | State Contract No. 450-15-0099

Firm employed by: Volkert, Inc.			
Brandon Carpenter *Certified Inspector*		Years of relevant experience with this employer	6
		Years of relevant experience with other employer(s)	11
Degree(s) / Years / Specialization	N/A	Year registered	N/A
Active registration number / state / expiration date	N/A	Discipline	N/A

Contract role(s) / brief description of responsibilities:
Mr. Carpenter will be serving as a Certified Inspector for this project.

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
16 years of experience	Mr. Carpenter has 10 years experience with Volkert and serves as Construction Inspector for Louisiana based roadway and bridge projects. Mr. Carpenter has greater than 5 years of entering data into DOTD's Site Manager system. This includes data for daily reports, scanning documents into the construction document upload files, LIMS data and Site Manager Materials. His certifications are shown below: ▼ LA DOTD Embankment and Base Course Inspector/Technician ▼ LA DOTD Structural Concrete Inspector ▼ ATSSA Traffic Control Supervisor ▼ ATSSA Flagger
2020 - Ongoing	**LA 23: Belle Chasse Bridge and Tunnel (HBI) Improvements, Plaquemine Parish (LADOTD)** | Mr. Carpenter is serving as Sr. Construction Inspector for the Owner Verification Team on the Belle Chasse Bridge and Tunnel Improvements. Volkert will be responsible for providing all Engineering Design and Construction Support services including implementation of the Construction Quality Assurance Plan for the Belle Chasse Bridge & Tunnel Public Private Partnership (P3) Project which provides for the replacement of the Belle Chasse Tunnel and Judge Perez Lift Bridge with a new toll bridge. This includes the development of construction plans, bridge replacement plans, decommissioning of the Tunnel and development of O&M plans. As the OVT, Volkert will provide guidance and support to the LADOTD Project Manager prior to and during reviews, develop review comments, attend project meetings, ensure that the P3 adheres to their contract, and address other assignments as directed. | S. P. No. H. 004791.6
06/2016 - 10/2019	**US 11: Lake Pontchartrain Rehab Phase I, Orleans and St. Tammany Parishes, LA (LA DOTD) |** Volkert was responsible for all CE&I services. This project consisted of repairs of damaged bridge elements of the US 11 bridge over Lake Pontchartrain connecting Slidell, LA to New Orleans, LA. The bridge is 4.639 miles in length and was opened to traffic in 1928. The repairs include Carbon Fiber Reinforced Polymer (CFRP) repairs to the girders, caps, and piles, structural concrete repairs to the bridge deck and diaphragms and encasement of all piles on the project. Mr. Carpenter provided field inspection on this project. | S.P. No. H.010016

Firm employed by: Volkert, Inc.	
Experience dates (mm/yy-mm/yy)	**Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).**
2008 - Ongoing	**Retainer Contract for Fabrication Inspection, Statewide, LA (LA DOTD) |** This project consists of fabrication contract administration and fabrication engineering inspection services for fabrication plants in and out of state. Volkert is responsible for fabrication contract administration and fabrication engineering inspection services for all precast prestressed concrete cast for this project. Mr. Carpenter providing field inspection on this project. | S.P. No. 700-99-0427, S.P. No. 4400001613, S.P. No. 4400008958
10/2011 - 03/2015	**I-10: Veterans Boulevard to Clearview Parkway in Jefferson Parish, LA (LA DOTD) |** Volkert provided construction contract administration and CE&I services for additional lanes on I-10 between Veterans Boulevard and Clearview Parkway in Metairie, Louisiana. The project consisted of adding lanes and full width shoulders in each direction to the existing roadway and bridges, increasing drainage capacity, cold planing asphaltic pavement, Class II base course, Superpave asphaltic concrete pavement, asphaltic concrete SMA wearing course, new roadway signing and lighting, sound barrier walls, slab span and girder span bridges, pavement markings, waterline relocation, sewer force main relocation, and related work. Mr. Carpenter provided field inspection on this project. Mr. Carpenter was responsible for inspecting pile driving operations, forming operations, reinforcing steel operations, and concrete placement, which included the inspection of embankment and base course, structural steel, reinforcing steel, structural concrete, and traffic control. | State Contract No. 450-15-0099

Firm employed by: WSP USA Inc.			
Robert Algazi, PE *Mechanical Engineer*		**Years of relevant experience with this employer**	3
		Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization	B.S. / 2013 / Aerospace Engineering	**Year registered**	2020
Active registration number / state / expiration date	PE 44505 / Louisiana / 09-30-2024	**Discipline**	Mechanical

Contract role(s) / brief description of responsibilities:
Mechanical Engineer specializing in movable bridge inspection and design, including rehabilitation and mechanical inspection. Robert has performed mechanical inspections on single and double-leaf bascule bridges, vertical lift bridges, and swing bridges.

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
03/19-Ongoing	**Webster Avenue Bascule Bridge, Chicago, Illinois:** Mechanical engineer leading the design, calculations, plans preparation, and specifications preparation for the repair of the Webster Avenue rolling lift bascule span machinery systems. The existing machinery has been abandoned and does not operate. The span lock machinery will be replaced to allow for manual operation in the event an opening is required. Repairs also include installation of new sump pumps and cleaning, painting, and lubricating the existing operating machinery. Client: Chicago DOT.
10/19-05/20	**PATH Hackensack River Vertical Lift Bridge Mechanical/Electrical Inspection, Jersey City, New Jersey:** Mechanical engineer responsible for leading the inspection of the PATH Hackensack River Vertical Lift Bridge for PANYNJ. Inspections include observation of machinery and operation as well as applicable measurements of machinery components. Findings were compiled into reports that included recommendations. Client: PANYNJ.
09/18-Ongoing	**Wittpenn Vertical Lift Bridge, Kearny, New Jersey:** Mechanical engineer assisting with the mechanical construction inspection for the new vertical lift bridge that carries New Jersey Route 7 over the Hackensack River. The new bridge will be of a tower drive type. Responsible for inspection and documentation of all mechanical construction work in conformance with the contract documents and approved shop drawings. Client: NJDOT.
05/19-11/19	**Robert F. Kennedy Memorial Bridge, New York, New York:** Mechanical engineer responsible for the inspection of Robert F. Kennedy Vertical Lift Bridge. Inspection included observation of machinery and operation as well as applicable measurements of machinery components. Findings were compiled into reports that included recommendations. Client: MTA.
02/19-02/20	**Movable Bridge Maintenance Manual, New Jersey:** Mechanical engineer responsible for developing the mechanical and structural portions of the new NJDOT movable bridge maintenance inspection manual. Manual included descriptions of mechanical and structural elements on movable bridges including motors, gears, couplings, shafts, bearings, brakes, structural steel, HVAC, and plumbing. Manual will be presented as the NJDOT standard manual for maintenance monthly inspections and training. Client: NJDOT.

Firm employed by: WSP USA Inc.	
Experience dates (mm/yy-mm/yy)	**Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).**
11/18-Ongoing	**Movable Bridge Mechanical/Electrical Inspections, Massachusetts:** Mechanical engineer responsible for leading the inspection of several movable bridges for the Massachusetts Department of Transportation. Inspections include observation of machinery and operation as well as applicable measurements of machinery components. Findings were compiled into reports that included recommendations. Client: MassDOT.
02/19-03/19	**Burlington Bristol Bridge, Burlington, New Jersey:** Mechanical engineer responsible for developing as-built plans of the existing 90-year-old span drive bearings. The existing vertical lift bridge was constructed in the early 1900's. The existing machinery is from the original construction. Precise measurements were taken of the existing machinery during an in-depth inspection. Models made from inspection measurements identified several bearings requiring immediate replacement. Bearings are scheduled to be replaced from the as-built drawings prepared based on the precise measurements. Client: Burlington Bristol Bridge Commission.
09/18-01/19	**Tacony Palmyra Bridge Construction Inspection, Burlington County, New Jersey:** Construction inspector for a double-leaf Scherzer-type rolling lift bascule bridge. Replacement of various machinery components was performed by a Contractor. Acted as quality assurance to ensure work was performed to the described specifications in the Contract Documents. Required to be on site during all construction activities and creating a log of work performed that is submitted to the client daily. Client: Burlington Bristol Bridge Commission.
09/18-Ongoing	**NJ Route 30 Over Beach Thorofare, Atlantic City, New Jersey:** Mechanical engineer responsible for the on-going mechanical rehabilitation of the single leaf bascule bridge. Efforts include replacing of the existing auxiliary drive system, rehabilitation of the selected span drive machinery components, span lock replacement, and air buffer replacement. Client: NJDOT.
04/16-09/18	**SR 9 / NW 27 Avenue over Miami River Bridges, Miami-Dade County, Florida:** Mechanical engineer responsible for preparing mechanical design, calculations, plans and technical specifications and conducting field inspection of existing conditions required for the rehabilitation of the twin double-leaf NW 27th Avenue bascule bridges. Scope of work included reliability and maintainability improvements with the rehabilitation and replacement of components of the span drive hydraulic system, span locks, traffic warning gates, and structural preservation improvements. Client: Miami-Dade County.

Firm employed by: WSP USA Inc.			
Jude Bonsu, PE *Mechanical Engineer*		Years of relevant experience with this employer	15
		Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization	B.S. / 2006 / Mechanical Engineering	Year registered	2019
Active registration number / state / expiration date	PE 44561 / Louisiana / 09-30-2024	Discipline	Civil

Contract role(s) / brief description of responsibilities:
Role on this Project: Engineer experienced in the design, inspection and provision of construction inspection and support services for tunnels, buildings, subway stations, movable bridges and other miscellaneous structures. Any required certifications will be completed at time of mobilization. Mr. Bonsu fulfills MPR #5 of the RFP.

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
03/13-04/13	**Midtown Tunnel/Elizabeth River Tunnels Project, Portsmouth, Virginia:** Inspector for this project where WSP served as lead designer to the design-build team for the Elizabeth River Tunnels Project. Design work included doubling the capacity of the Midtown Tunnel by constructing a new two-lane tunnel under the Elizabeth River; rehabilitating the existing Midtown Tunnel and both existing Downtown Tunnels, including new lighting and ventilation to conform with current national fire safety standards; extending the MLK Freeway from London Boulevard to Interstate 264, with an interchange at High Street including a mile of new roadway, a mile of widening Interstate 264, nine bridges, 23 retaining walls and 2,500 linear feet of noise walls. The project was the largest design-build project in the history of Hampton Roads. Client: VDOT.
10/13-03/17	**Second Avenue Subway Project 72nd Street Station, New York City:** MEP Lead Inspector for providing construction management and inspection services for the newly opened 72nd Street Station as part of the Second Avenue Project. Tasks included but not limited to inspection of the installation of the new Tunnel Ventilation, HVAC, Fire Protection, Drainage, Sump and Ejector Pumps and all associated components, control and monitoring systems. Integration and interfacing of all Tunnel Ventilation, HVAC, Control SCADA systems. Reviewed pump performance test data for conformance to the project specifications prior to onsite delivery. Attended all factory acceptance testing for SCADA System, Tunnel and Station Smoke Management supervisory control cabinet, track drainage supervisory system, transformers and switch gear. Also served as the Testing and commissioning Coordinator for all local field and system integrating testing for the mechanical and electrical components/systems, oversaw and reviewed Contractors developed O&M and training manuals. Client: MTA.
06/07-10/08	**Lincoln Tunnel Buildings and Miscellaneous Structures Facility Condition Surveys Call-In, New York and New Jersey:** Inspector involved with the inspection of ventilation buildings, portal structures, administration and toll booth buildings, emergency garages, retaining walls and other miscellaneous structures pertinent to the Lincoln Tunnel. All structural components, including structural slabs, framing, suspended ceilings, stairwells, roofing components, building façades, retaining wall stone façades, utility support systems and exhaust stacks (via rigging and vertical drops) were inspected and assessed. Client: PANYNJ.

Firm employed by: WSP USA Inc.	
Experience dates (mm/yy-mm/yy)	**Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).**
10/19-Ongoing	**Queens Midtown Tunnel, New York City:** Resident Engineer providing construction management and inspection services for the replacement of drainage and stripper pumps for this vehicular, two tube, 6400 feet tunnel under the east river connecting the Boroughs of Manhattan and Queens. Responsible for managing all construction activities and also performing all office documentation and related work for the project. The drainage and stripper pumps are located in the pump rooms at the tunnel portals, mid tunnel and ventilation buildings. The work also include installation of new hydrocarbon sensors in the pump room and sump pit and integration of the system for remote monitoring. Client: Triboro Bridge & Tunnel Authority.
03/11-09/11	**Statewide On-Call Services for Tunnel, Movable and Floating Bridges, and Special Structures Engineering:** Mechanical engineer for this on-call services contract. WSP provided on-call mechanical and electrical inspection of special structures and tunnels. Project scope included technical reports with recommendations for maintenance and rehabilitation repairs. Client: WSDOT.
11/08-09/09	**Regional Connector Transit Corridor, Metropolitan Transportation Authority (MTA), Los Angeles County:** Performed the preliminary design using the Subway Environment Simulation (SES) program to model, analyze and size tunnel fans needed for ventilation in the event of an emergency fire in the tunnel. Client: LA Metro Rail.
03/19-4/20	**Webster Avenue Bascule Bridge, Cook County, Illinois:** Performed rehabilitation and replacement design for selective mechanical components for these movable bridges which include but not limited to development of PS&E for new sump pump, associated supports, lifting cables, piping and associated valves, automatic water level and alarm controls associated wiring and control panels, local pump control panel. Provisions were made in the contract documents for dewatering and complete cleaning of the sump pit prior to installation of new pump and associated components. Reviewed pump performance test data and approved shop drawings. Client: Chicago DOT.
06/07-10/08	**Facade Inspections Facility Condition Surveys Call-In, Hoboken, New Jersey:** Inspector who assisted with the inspection of one 175-foot office building façade and one 125-foot residential building façade. Aerial lifts and hanging scaffolds were utilized to perform the inspection. Findings were documented in inspection reports. Client: PANYNJ.

Firm employed by: WSP USA Inc.			
Ian Chaney, PE *Geotechnical Engineer*		**Years of relevant experience with this employer**	18
		Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization	M.S. / 2002 / Geotechnical Engineering B.S. / 2001 / Mining Engineering	**Year registered**	2018
Active registration number / state / expiration date	PE 42288 / Louisiana / 09/30/2024	**Discipline**	Geotechnical

Contract role(s) / brief description of responsibilities:
Role on this Project: Technical experience includes providing detailed and concept designs for tunnels, bridges and facilities that consider site-specific geotechnical and environment conditions.

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
01/17 – 09/19	Mid-Barataria Sediment Diversion Project – New Orleans, LA: As part of this CMAR project to design an intake structure and 2-mile long conveyance channel from the Mississippi River, Ian is the Lead designer and WSP Project Manager providing designs for floating U-structures and immersed tube tunnels, over which a RR bridge and the LA 23 bridge will be constructed. Ian is responsible for the design of the U-structure to support both the highway bridge and the RR bridge. Conceptual plans have been developed for both standard through girder designs and for a flood-proof design that could potentially lower the profile and reduce the overall bridge length by several thousand feet. At completion, the project will accommodate a diverted flow of more than 75,000 cfs of sediment-laden water that will ultimately be deposited and dispersed into the Barataria Bay, enabling marsh creating for future decades. Owner: LADOTD.
09/09 – 12/17	**Midtown Tunnel/Elizabeth River Tunnels Project, Norfolk and Portsmouth, Virginia:** Ian's duties started as the geotechnical design manager and finished with being the on-site design manager during construction. As the on-site Design Manager During Construction, Ian was responsible for daily management of design services during construction, claim mitigation and negotiation, and financial decisions regarding design work. He was also responsible for coordination and management of all design changes, additional work and the acceptance/certification of the project as it was completed, which includes the new tunnel, the highway extension and the rehabilitation of the three existing tunnels. as geotechnical design manager for this immersed tunnel project that parallels an existing immersed tunnel, Ian was responsible for the management of all geotechnical aspects of the design and the coordination of the underground works between the civil, geotechnical and structural disciplines. Analyses consisted of dredge slope stability, settlement analyses and loading development of the immersed tubes, settlement analyses for the approaches, support of excavation and dewatering for the cut-and-cover section and U-section, protection of an adjacent sewer line and planning of the supplemental geotechnical investigation, among others. Owner: Virginia DOT

Firm employed by: WSP USA Inc.	
Experience dates (mm/yy-mm/yy)	**Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).**
06/12 – 09/15	**First Street Tunnel Project, Washington, DC:** During this project providing tunnel engineering design to the District of Columbia Water and Sewer Authority towards a 2,700-ft (820m) long stormwater storage facility to alleviate flooding during storm events for the Bloomingdale community, Ian was responsible for designing all Near Surface Structures and their Support of Excavations, the development of Instrumentation and Monitoring plans, and preparing Construction Impact Assessment Reports, which evaluated the existing structures and facilities due to the effects of tunneling, construction and excavation. Ian was also responsible for identifying where the team's construction activities could vary from those expected as interpreted from the Geotechnical Baseline Report. Owner: DC Water
02/05-08/09	**East Side Access Project, New York City, NY:** deputy task manager for the instrumentation of the Manhattan bored Tunnels and caverns beneath Grand Central Station. Responsible for the evaluation of instrumentation data and the review and acceptance of contractor submittals during construction. Ian was also responsible for determining the validity of the instrumentation readings and analyzing the data against the expected behavior of the tunnels and excavations, as well as for interpretation of the Geotechnical Baseline Report and its application to the received instrumentation data in defense of contractor DSC claims. Owner: MTA
02/03-11/03	**Hudson Bergen Light Rail Transit Weehawken Tunnel, Weehawken, NJ:** Ian served as a field tunnel engineer responsible for the hard rock tunnel, shaft, and underground station beneath the Palisades Ridge for extending the Hudson Bergen Light Rail Transit System. Responsibilities included construction oversight of the blasting excavation, rock support installation, grout placement, shotcrete application, and rock mapping, as well as interpretation of the Geotechnical Baseline Report compared to the actual excavated conditions. This project involved providing general design consultant services for a $1.2 billion, 20.5-mile LRT system. Expected to improve mobility in this heavily congested part of northern New Jersey, the system will include approximately 20 stations and extend from the foot of the Bayonne Bridge in southern Hudson County to the Vince Lombardi Park-and-Ride on the New Jersey Turnpike in Bergen County. Owner: New Jersey Transit
02/06-11/07	**Port of Miami Tunnel, Miami, FL:** Ian was the geotechnical engineer responsible for the security assessment and blast analysis of this proposed cut-and-cover and bored tunnel traversing beneath the Biscayne Bay in Miami, Florida. The results of the blast analysis and security assessment were developed into the preliminary engineering specifications and drawings. For this project, Ian developed a detailed three-dimensional model of the tunnel incorporating the geo-material surrounding the tunnel, tunnel lining, interior features and the connection details. Owner: FDOT

Firm employed by: WSP USA Inc.			
Bertrand Crouthamel *Electrical Designer*		Years of relevant experience with this employer	26
		Years of relevant experience with other employer(s)	22
Degree(s) / Years / Specialization	N/A	Year registered	N/A
Active registration number / state / expiration date	N/A	Discipline	N/A

Contract role(s) / brief description of responsibilities:
Role on this Project: Experienced in the field of electrical and instrumentation and control design. Bertrand's responsibilities have included the design of power and control systems for movable bridges, tunnels, roadway lighting, ITS and special assignments for water treatment or chemical plants. He also has specialized experience in the design, modification, and modernization of power, control, and instrumentation systems for movable bridges; and fossil, hydroelectric, and nuclear power plants.

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
10/17-09/19	**Mount Baker Ridge Tunnel and Martin L. King LID, Seattle, Washington:** Electrical engineer for the in-depth electrical tunnel inspection of Mount Baker Ridge Tunnel and Martin L King Lid. Bertrand inspected the electrical systems associated with Mt. Baker tunnel currently in use for vehicular traffic. He was also responsible for visually, thermographically inspected and electrically tested (insulation resistance, operating currents and voltages, etc.) the electrical equipment throughout the tunnel. Prepared a report of all findings. Client: WSDOT.
01/11-12/15	**Statewide On-Call Services for Movable and Floating Bridges, Special Structures, and Tunnel Engineering:** Electrical engineer for this on-call services contract. Bertrand performed the visual inspection and operational testing of the electrical and control systems and prepared reports outlining observations, deficiencies, recommendations and cost estimates. He performed on-site data collection of the bridge electrical systems, created electrical system models, performed short circuit fault current analysis, and selective coordination analysis. Client: WSDOT.
05/12-06/13	**Midtown Tunnel/Elizabeth River Tunnels Project, Portsmouth, Virginia:** Lead electrical engineer responsible for the design of the new tunnel tube flood gate power and control electrical systems. WSP served as lead designer to the design-build team for the Elizabeth River Tunnels Project. Design work included doubling the capacity of the Midtown Tunnel by constructing a new two-lane tunnel under the Elizabeth River; rehabilitating the existing Midtown Tunnel and both existing Downtown Tunnels, including new lighting and ventilation to conform with current national fire safety standards; extending the MLK Freeway from London Boulevard to I-264, with an interchange at High Street including a mile of new roadway, a mile of widening I-264, nine bridges, 23 retaining walls and 2,500 linear feet of noise walls. The project was the largest design-build project in the history of Hampton Roads. Client: Virginia Department of Transportation.
11/14-06/17	**New Pass Bascule Bridge, SR 789 over Sarasota Bay, Sarasota, Florida:** Lead electrical engineer responsible for the design of electrical and control systems of a single-leaf bascule bridge, New Pass Bridge. Bertrand evaluated the existing electrical system documentation and provided red lined drawings to show the accurate electrical system installation. Under this district wide task-based on-call bridge engineering services contract, WSP was responsible for work program support; structural, geotechnical, survey, corrosion, electrical and mechanical engineering design; maintenance of traffic plans; bridge inspection; design studies; load ratings; and scour analysis. Client: FDOT District One.

Firm employed by: WSP USA Inc.	
Experience dates (mm/yy-mm/yy)	**Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).**
08/13-10/13	**Webster Avenue Bascule Bridge, Cook County, Illinois:** Electrical engineer for this project. WSP is providing Phase I and II design services for the rehabilitation of Webster Street Bridge over the North Branch of the Chicago River. The structure has an overall length of 287 feet and a deck with of 60 feet. Phase I includes preparation of preliminary engineering and environmental studies, as well as inspection of existing structures, site survey, and environmental and structural assessments. Client: Chicago DOT.
01/12-01/13	**LaSalle Causeway Bridge, Kingston, Ontario, Canada:** Lead electrical engineer performing the annual comprehensive detailed inspection for the Public Works and Government Services Canada. Responsibilities included performing on site equipment evaluation and testing and report generation. Client: Public Works of Canada.
04/19-04/21	**Bridge Inspection, Maryland:** Lead electrical engineer performing inspection and report preparation for Weems Creek single span swing bridge and Knapps Narrows single-leaf rolling lift bridge. Client: Maryland State Highway Authority.
03/16-07/21	**SR 30 (U.S. 98) over Pensacola Bay Design-Build, Escambia and Santa Rosa Counties, Florida:** Electrical engineer responsible for the power system for the roadway and aesthetic lighting systems and ITS. This $398.5-million design-build project replaces the 3.7-mile existing bridge with twin structures featuring wishbone tied arch main spans. Lowered 10-foot-wide shared use paths provided out the outside of each bridge will include 16 scenic overlooks, 14 of which include tower-supported shade structures. Detailed piers, color-changing LED lighting, decorative railings and surface finishes further enhance the architectural theme of the bridges. Additionally, the project includes public facility improvements to the Gulf Breeze Wayside Park. Client: FDOT District Three.

Firm employed by: WSP USA Inc.			
Antonio Gonzalez, PE *Electrical Engineer*		**Years of relevant experience with this employer**	4
		Years of relevant experience with other employer(s)	14
Degree(s) / Years / Specialization	B.S. / 2004 / Electrical Engineering	**Year registered**	N/A
Active registration number / state / expiration date	PE 38719 / Louisiana / 09-30-2024	**Discipline**	Electrical Engineer & National Certified Tunnel Inspector, FHA/NHI

Contract role(s) / brief description of responsibilities:
Role on this Project: Electrical Engineer with an expertise in tunnels and experience includes commercial, transit and industrial power engineering design, inspection, and project management complimented by working knowledge of SKM Power Tools, AutoCAD, and MicroStation. Any required certifications will be completed at time of mobilization. Mr. Gonzalez will fulfill MPR #6 of the RFP.

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
1/21-8/21	**Harvey Tunnel FHWA Bi-Annual Inspection, Harvey, LA:** Lead electrical engineer and inspector for the 2021 LADOTD Routine Electrical Tunnel Inspection of the Harvey Tunnel. Tasked to lead the electrical inspections team, inspecting the electrical systems associated with tunnel currently in use for vehicular traffic. Visual inspection and operational testing of all electrical systems throughout the tunnel. Prepared reports of all electrical findings. Client: LADOTD
1/21-8/21	**Belle Chasse Tunnel FHWA Bi-Annual Inspection, Plaquemines Parish, LA:** Lead electrical engineer and inspector for the 2021 LADOTD Routine Electrical Tunnel Inspection of the Belle Chasse Tunnel. Tasked to lead the electrical inspections team, inspecting the electrical systems associated with tunnel currently in use for vehicular traffic. Visual inspection and operational testing of all electrical systems throughout the tunnel. Prepared reports of all electrical findings. Client: LADOTD
5/20-1/21	**Seattle-Tacoma International Airport S. 188th St. Tunnel Rehabilitation Scope Development Report, Seattle, WA:** Part of multi-disciplined engineering team tasked with producing a rehabilitation scope development report for the SeaTac and the Port of Seattle, joint asset owners of the tunnel, to detail the existing condition of the roadway tunnel and associated electrical, ventilation, drainage and life safety systems and identify recommended repairs, upgrades, or remediation to maintain the tunnel in a serviceable condition and up to the latest codes and standards. Responsibilities include performing a visual inspection of all systems and components, performing a code compliance analysis, and producing both a Data Collection/Record Report and Condition Assessment Report. Client: Seattle-Tacoma International Airport & Port of Seattle
4/21-12/21	**George Washington Bridge Lower-Level Tunnel FHWA Bi-Annual Inspection (2019 & 2021), Port Authority NY/NJ, Fort Lee, NJ:** Lead electrical engineer and inspector for the Routine Electrical Tunnel Inspection of the GWB lower-level access tunnels. Efforts included leading and coordinating the electrical inspection team, coordinating with the client to develop a client specific inspection report format, and producing said inspection report with the appropriate element lists and condition ratings per FHWA standards. Client: Port Authority NY/NJ

Firm employed by: WSP USA Inc.	
Experience dates (mm/yy-mm/yy)	**Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).**
11/18-03/19	**Harvey Canal Tunnel Rehabilitation Project, New Orleans, Louisiana:** Electrical engineer and electrical task manager at the outset of the Louisiana Department of Transportation and Development (LADOTD). Harvey Tunnel Rehabilitation project consisted of replacement of the entire power distribution system to support a full upgrade of the tunnel ventilation, drainage and HVAC systems as well as ancillary systems such as SCADA, fire alarm and gas monitoring systems. Client: LADOTD
11/17-02/18	**Belle Chasse Tunnel Rehabilitation Project, New Orleans, Louisiana:** Electrical engineer and electrical task manager for the LADOTD Harvey Tunnel Rehabilitation Project which consisted of replacing the main power distribution system to support a full upgrade of the tunnel ventilation and drainage systems as well as ancillary systems such as SCADA, fire alarm and gas monitoring systems. Client: LADOTD
09/19-03/20	**Mount Baker Ridge Tunnel and Martin L. King LID, Seattle, Washington:** Electrical engineer for the 2019 in-depth electrical tunnel inspection of Martin L King Lid and Mount Baker Ridge Tunnel. Antonio led the electrical inspections team, inspected the electrical systems associated with Mount Baker tunnel currently in use for vehicular traffic. He was also responsible for visually, thermographically inspected and electrically tested (insulation resistance, operating currents and voltages, etc.) the electrical equipment throughout the tunnel. Prepared report of all findings. Client: Washington State Department of Transportation (WSDOT).
06/18-09/18	**Federal Highway Administration (FHWA) Bi-Annual George Washington Bridge Lower Level Tunnel Inspection, Fort Lee, New Jersey:** Lead electrical inspection team leader for the George Washington Bridge lower level access tunnel bi-annual inspection. Efforts included leading and coordinating the electrical inspection team, coordinating with the client to develop a client specific inspection report format and producing said inspection report with the appropriate element lists and condition ratings as per FHWA standards. Client: Port Authority of New York and New Jersey (PANYNJ).
09/18-03/19	**Red Line Tunnel Ventilation Improvement Pilot Project, Washington, D.C.:** Electrical engineer for the Red Line Tunnel Ventilation Improvement Pilot Project aimed at providing a design basis/template for the implementation of an emergency tunnel ventilation system at the track segment between the Cleveland and Woodley Park Stations that can be scaled for reproduction along the remaining segments between the 27 Red Line stations. The project included partial replacement of the existing redundant unit substations at each station and all required modifications/additions to accommodate the proposed tunnel ventilation fan system including an updated SCADA system to fully automate the emergency tunnel ventilation system. Client: Washington Metropolitan Area Transit Authority.
03/13-06/14	**Brooklyn Battery Tunnel Rehabilitation and Flood Mitigation, New York, New York:** Electrical engineer for the facility's mechanical/electrical/plumbing (MEP) upgrades including modification and design of low voltage switchgear and downstream distribution systems as well as installation of variable frequency drives. Client: Triboro Bridge & Tunnel Authority.
03/13-10/14	**Port Authority Transit Corporation Ventilation Study, Lindenwold, New Jersey:** Electrical engineer participating in a study to determine the base design of a new ventilation system. The project involved field visits, coordination with the mechanical group's layout for the tunnel ventilation fans and determining the type of electrical service and layout required to maintain the system. Client: Delaware River Port Authority.

Firm employed by: WSP USA Inc.			
Gerald Luttman, PE *Tunnel Inspection*		**Years of relevant experience with this employer**	4
		Years of relevant experience with other employer(s)	14
Degree(s) / Years / Specialization	M.S. / 1997 / Civil Engineering B.S. / 1990 / Civil Engineering	**Year registered**	1996
Active registration number / state / expiration date	PE 6201042077 / Michigan / 08/30/24	**Discipline**	Civil Engineering

Contract role(s) / brief description of responsibilities:
Role on this Project: Technical experience includes design, detailing, specifications, cost estimates, contract documents, in-service inspection, reports and construction engineering and inspection for bridges, tunnels and other public works projects. Mr. Luttman's certifications are listed below:
Safety Inspection of In-Service Bridges, NHI, 1998
Safety Inspection of In-Service Bridges Refresher, NHI, 2006, 2014
Tunnel Safety Inspection, NHI, 2016
Fracture Critical Inspection Techniques for Steel Bridges, NHI, 2018

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
03/15-11/21	**Detroit-Windsor Tunnel Ceiling Slab Replacement, Detroit, MI -Windsor, Ontario, Canada:** Structural project engineer responsible for the ceiling replacement study, which selected the most efficient system for the new slab, and design of the new ceiling slab in the shield and immersed tube tunnel sections. The project included the replacement of 4,000-ft of the original 1929 reinforced concrete ceiling slab over the roadway which also forms the tunnel exhaust duct, and required coordination with ventilation, electrical, communication, security and lighting system disciplines, as well as tunnel operations. The initial phase of the project included the detailed inspection of the cast-in-place concrete tunnel lining crown, which identified types and quantities of defects for the entire 4,000-ft length of the project in the tunnel exhaust duct. The inspection also included a report to provide a summary of the inspection results and repair and rehabilitation methods. The project will also include design services during construction of the new slab. Owner: Detroit Windsor Tunnel
04/17-02/18	**Lindbergh Tunnel, St Louis MO:** Provided QC review for the 2015 tunnel inspection scope and report following the new FHWA National Tunnel Inspection Standards including the Tunnel Operations Maintenance Inspection and Evaluation (TOMIE) Manual, on the Lindbergh Tunnel, a 4-lane state highway tunnel, constructed by cut-and-cover methods in 2006 to allow runway expansion over State Route 67. Owner: City of St. Louis Board of Public Service
03/16-10/17	**I-75 Modernization P3 Project, Eight Mile Road to South of M-59, Oakland Co., MI:** Structural and tunnel design task lead for a four-mile-long, 14.5-foot-diameter soft-ground stormwater drainage tunnel from 8 Mile Road to 12 Mile Road, including mining, retrieval and intermediate construction shafts, drop shafts, aeration chambers, vents shafts, and surge control gates. Task includes preparation of a Basis of Design Report for MDOT, including geotechnical investigation and data report, proposed alignment, construction and drop shafts, tunnel lining, construction cost estimates, utility conflicts, and coordination with Oakland Co. Water Resource Commissioner for connection alternatives to the county drainage system. After acceptance of the tunnel concept by MDOT, final P3 contract documents were completed. Owner: Michigan DOT

Firm employed by: WSP USA Inc.	
Experience dates (mm/yy-mm/yy)	**Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).**
04/15-12/16	**Lower Meramec Tunnel, St. Louis, MO:** Tunnel Engineer responsible for concept level design of four construction shafts and carrier pipe final tunnel lining alternatives, preparing technical memorandums outlining initial design requirements and concepts. The Lower Meramec Tunnel, located in southern St. Louis County near the Meramec River, is anticipated to be approximately 36,448 feet in length with an 8-feet ID carrier pipe. The tunnel will be constructed in hard rock with an invert elevation of 255.1 feet where it connects with the Baumgartner Tunnel and will provide dry weather flow conveyance from Fenton WWTF to the Baumgartner Tunnel and eventually flows to the Lower Meramec WWTF where it will be pumped and treated, prior to discharge to the Mississippi River. Owner: Metropolitan St. Louis Sewer District
08/13-12/15	**Lower Pogues Run Tunnel, Advanced Facility Planning (AFP) Report Update/30% Design and Near-Surface Final Design Services, Indianapolis, IN:** Responsibilities included QC review of the inspection report of the existing PRC for the design and construction of the connection to the 10-foot by 6-foot jacked box; and design, plans and specifications for the jacked box and its connection to the PRC; QC review of plans and specifications for the near surface collection structures. The project includes an 18-foot finished diameter, 9,000-foot, combined sewer storage and conveyance tunnel. The AFP Update serves as the basis of design report for this deep rock tunnel and associated near-surface facilities. Final design services included the collection consolidation sewers (CCS), diversion structures, junction chambers, screen and gate chambers and approach channels. The CCS included 84-inch and 96-in inside diameter pipe jacking, and a 10-foot by 6-foot inside dimensions jacked box to be installed below and connected to the existing Pogue's Run Box Culvert (PRC). Owner: Citizens Energy Group

Firm employed by: WSP USA Inc.			
Kevin Walsh, PE *Electrical Engineer*		**Years of relevant experience with this employer**	7.5
		Years of relevant experience with other employer(s)	6.5
Degree(s) / Years / Specialization	B.S. / 2007 / Electrical Engineering	**Year registered**	2019
Active registration number / state / expiration date	PE 44049 / Louisiana / 03-31-2024	**Discipline**	Electrical Engineer & National Certified Tunnel Inspector, FHA/NHI

Contract role(s) / brief description of responsibilities:
Role on this Project: Electrical Engineer responsible for the electrical design of lighting systems, ITS power systems, low voltage power distribution, lighting, small power, lightning protection, fire alarm, tele-communications, security, standby and emergency power systems. Kevin has also been responsible for the development of electrical load, equipment sizing, and voltage drop calculations, as well as lighting photometric analysis, short circuit, selective coordination, and arc flash risk assessment studies using various software applications.

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
09/17-12/19	**Mount Baker Ridge Tunnel and Martin L. King LID, Seattle, Washington:** Electrical engineer of record responsible for assisting with management of scope, schedule and budget. Kevin performed hands on inspections of electrical and control systems and prepared reports outlining observations, deficiencies, recommendations and cost estimates. Client: WSDOT.
09/15-Ongoing	**Statewide On-Call Services for Movable and Floating Bridges, Special Structures, and Tunnel Engineering:** Electrical engineer of record for this on-call services contract. Kevin performed the visual inspection and operational testing of the electrical and control systems and prepared reports outlining observations, deficiencies, recommendations and cost estimates. Kevin assisted with management of scope, schedule and budget. Specific bridges are listed below. A Performed Arc Flash Risk Assessment studies for 1 movable bridge, 1 fixed bridge, and two tunnels. He performed on-site data collection of the bridge electrical systems, created electrical system models, performed short circuit fault current analysis, selective coordination analysis, and arc flash risk assessments. He prepared reports outlining these analyses and produced arc flash warning labels for the client to install on the electrical system equipment. Specific bridges and tunnels include: Snake River Vertical Lift Bridge, Tacoma Narrows Bridges, Washington State Convention Center Tunnel, and Bremerton Tunnel. Client: WSDOT.
04/14- Ongoing	**Annual Facilities Inspection Services, Baltimore, Maryland:** Electrical engineer of record for this on-call services contract. Kevin performed the visual inspection and operational testing of the electrical and control systems and prepared reports outlining observations, deficiencies, recommendations and cost estimates. WSP, in joint venture, is conducting annual physical on-site condition inspection of Maryland Transportation Authority (MDTA) facilities. The firm provided Environmental Permit Program and project management services. Authority facilities include John F. Kennedy Memorial Highway, Thomas J. Hatem Memorial Bridge, the Inter-County Connector, Harry W. Nice Bridge, William P. Lane Bridge, Baltimore Harbor Throughway, Francis Scott Key Bridge, and Fort McHenry Tunnel. Client: MDTA.

Firm employed by: WSP USA Inc.	
Experience dates (mm/yy-mm/yy)	**Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).**
10/14- Ongoing	**New Pass Bascule Bridge, SR 789 over Sarasota Bay, Sarasota, Florida:** Electrical engineer responsible for performing several QA/QC reviews for the electrical and control system rehabilitation design. Under this district wide task-based on-call bridge engineering services contract, WSP was responsible for work program support; structural, geotechnical, survey, corrosion, electrical and mechanical engineering design; maintenance of traffic plans; bridge inspection; design studies; load ratings; and scour analysis. Client: Florida Department of Transportation (FDOT) District One.
03/14-07/16	**On-Call Services, Maryland:** Lead electrical engineer and assistant electrical engineer for the inspection of several movable bridges. He performed the visual inspection and operational testing of the electrical and control systems, and prepared reports outlining observations, deficiencies, recommendations and cost estimates. Specific bridges include: Ocean City Bridge; Stoney Creek Bridge; Miles River Bridge; Kent Narrows Bridge; Snow Hill Bridge; Spa Creek Bridge; Chester River Bridge; Snow Hill Bridge; Knapps Narrows Bridge; Weems Creek Bridge. Client: Maryland Department of Transportation (MDOT).
08/17-Ongoing	**On-Call Services, Maryland:** Lead electrical engineer for the inspection of two movable bridges. He performed the visual inspection and operational testing of the electrical and control systems, and prepared reports outlining observations, deficiencies, recommendations and cost estimates. Specific bridges were Curtis Creek Inner Loop Bridge and Curtis Creek Outer Loop Bridge. Client: MDTA.
5/15-6/15	**Columbus Drive Swing Bridge Rehabilitation, Hillsborough County, Florida:** Design liaison and coordinator for this major rehabilitation. The project involved multi-discipline inspections and design including structural, civil, mechanical, and electrical elements. Kevin assisted with post design services including witness testing of the submarine cable insulation resistance (megger) testing. Client: FDOT District Seven

Firm employed by: APS			
Sergio Aviles, PE *Engineer / QA/QC Field Testing*		Years of relevant experience with this employer	10
		Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization	BS | 2001 | Civil Engineering |Geotechnical	Year registered	2007
Active registration number / state / expiration date	33571 | LA | 3/31/2024	Discipline	Civil

Contract role(s) / brief description of responsibilities:
Mr. Aviles will fufill MPR #6.

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
18 years of experience	Mr. Aviles is the President of APS Engineering and Testing, LLC. His training includes: ▼ NHI certifications Courses: Design & Implementation of Erosion & Sediment Control, Driven Pile Foundation Inspection and Design, Drilled Shaft Inspection, Design of Mechanically Stabilized Earth Walls and Reinforced Soil Slopes, and Design of Drilled Shafts Foundation. ▼ Pile Dynamic Analysis (PDA), WEAP, & CAPWAP ▼ Microsoft Visual Studio .NET programming course at LSU, and Microsoft Office Suite. ▼ WorkZone Traffic Control Supervisor, Technician, and Flagger Certifications
05/2018 – 12/2020	**Project No.H.009250: I-10: Highland to LA 73:** The purpose was to conduct testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standards for the proposed roadway structures.
01/12019 - Present	**Project No.2012-FEMA-1B-1: Westend Group:** The purpose was to conducted testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standards for the proposed roadway structures.
04/2019 – Present	**Project No. H.011795: Westwood Drive (WB Expressway to Lapalco):** The purpose was to conduct testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standards for the proposed roadway structures.
05/2019 – Present	**Phase II - Project No. H.011798: Airline Park Blvd (Camphor-West Napoleon)**: The purpose was to conduct testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standards for the proposed roadway structures.
04/2018 – 11/2018	**Phase I - Project No. H.011798: Airline Park Blvd**: The purpose was to conduct testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standards for the proposed roadway structures.
04/17/18 – 11/18	**Project No. N/A: Pinnacle Casino, Restaurant and Access Road, Lake Charles, LA**: This project consisted of driving precast pre- stressed concrete end bearing piles. Mr. Sai worked as project manager and performed Quality Control Inspection of pile driving, laboratory testing of soil samples.

Firm employed by: APS			
Sairam Eddanapudi, ME, PE *Engineer / Laboratory QA/QC Manager*		Years of relevant experience with this employer	10
		Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization	BS | 2001 | Civil Engineering	Year registered	2008
Active registration number / state / expiration date	35129 | LA | 3/31/2024	Discipline	Civil

Contract role(s) / brief description of responsibilities:
Mr. Eddanapudi will serve as Engineer and perfrom Laboratory QA/QC for this project.

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
18 years of experience	Mr. Eddanapudi is a Chief Engineer at APS Engineering and Testing, LLC.
05/2018 – 12/2020	**Project No.H.009250: I-10: Highland to LA 73:** The purpose was to conduct testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standards for the proposed roadway structures.
01/2019 - Present	**Project No.2012-FEMA-1B-1: Westend Group:** The purpose was to conducted testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standards for the proposed roadway structures.
04/2019 – Present	**Project No. H.011795: Westwood Drive (WB Expressway to Lapalco):** The purpose was to conduct testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standards for the proposed roadway structures.
05/2019 – Present	**Phase II - Project No. H.011798: Airline Park Blvd (Camphor-West Napoleon)**: The purpose was to conduct testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standards for the proposed roadway structures.
04/2018 – 11/2018	**Phase I - Project No. H.011798: Airline Park Blvd**: The purpose was to conduct testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standards for the proposed roadway structures.
04/2018 – 11/2018	**Project No. N/A: Pinnacle Casino, Restaurant and Access Road, Lake Charles, LA**: This project consisted of driving precast pre- stressed concrete end bearing piles. Mr. Sai worked as project manager and performed Quality Control Inspection of pile driving, laboratory testing of soil samples.

Firm employed by: APS			
Donna Easterling *Laboratory Manager*		Years of relevant experience with this employer	3
		Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization	BA | 2019 | Environmental Sciences	Year registered	N/A
Active registration number / state / expiration date	N/A	Discipline	Civil

Contract role(s) / brief description of responsibilities:
Ms. Easterling will serve as Laboratory Manager/Supervising Testing forthis project.

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
6 years of experience	Ms. Easterling has 6 years of experience in laboratory management.
09/2019 - Present	**Project No. H.004100: I-10 Widening LA 415 to Essen LN-** APS 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. Donna's duties were supervising lab testing.
08/2016 - 10/2019	**Project No. H.012422: I-110 Interchange Modification at Terrace Ave-** APS 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. Donna's duties were supervising lab testing.
11/2017 - 2/2018	**Project No. H.013193: US 61 Thompson Creek Bridge Replacement-** APS 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. Donna's duties were supervising lab testing**.**
03/2019 - 05/2019	**Project No. H.001344: US 190 over Bogue Falaya River-** APS was selected with the winning team for the Geotechnical Investigation and Design of the proposed new bridge. A total of 19 deep borings were drilled and tested for the foundation recommendation. Donna's duties were supervising lab testing.
12/2019 - 03/2020	**Project No. H.010155: US 90 Railroad Overpass SE of LA 85 -** APS was selected with the winning team for the Geotechnical Investigation and Design for the proposed new overpass. A total of six (6) deep borings were drilled and tested for Geotechnical recommendation. Ovi's duties were supervising lab testing.
02/2017 - 10/2017	**Project No. H.002861: Earhart Expressway/Causeway Boulevard:** APS was tasked with developing the LRFD factors for both existing structures and the new elevated sections to connect to Causeway Blvd. Per the task order APS drill and tested 85 borings to 120 feet near the proposed and existing structures. APS engineering staff provides designer with pile tip elevations for five elevated ramps to connect Earhart to Causeway Blvd. Provided boring logs, information on site conditions, site preparation recommendations, and load- length curves. Donna's duties were supervising lab testing.

Firm employed by: APS	
Experience dates (mm/yy-mm/yy)	**Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).**
04/2018 – 11/2018	**Project No. H.011798: Airline Park Blvd I** - The purpose was to conduct testing on the subsurface, base course and concrete placement at the site to enable an evaluation of an acceptable standards for the proposed roadway structures. Mr. Fulcher is the senior field technician on site assign to perform all field testing for this project.
05/2018 - Present	**Project No. H.009250: I-10- Highland to LA 73** -The purpose was to conduct testing on the subsurface, base course, and concrete placement at the site to enable an evaluation of an acceptable standards for the proposed roadway structures. Mr. Fulcher is the senior field technician on site assign to perform all field testing for this project.
01/2019 - Present	**Project No. 2012-FEMA-1B-1-Westend Group** - The purpose was to conducted testing on the subsurface, base course, and concrete placement at the site to enable an evaluation of an acceptable standards for the proposed roadway structures. Mr. Fulcher is the senior field technician on site assign to perform all field testing for this project.

SECTION 17: FIRM EXPERIENCE

- VOLKERT
- WSP
- APS

VOLKERT

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

17. Firm Experience:

Identify the team's project experience most relevant to the scope in the advertisement. The projects should be limited to a total of 20, with no more than 5 projects being represented by the prime consultant and with no more than 3 projects represented by each sub-consultant on the team. If more than 5 projects are identified for the prime consultant, all projects identified after the first 5 will not be evaluated. If more than 3 projects are identified for a single sub-consultant, all projects identified after the first 3 from that sub-consultant will not be evaluated. Include no more than one page per project. Projects identified shall only include work performed by firms on the team. The projects identified do not necessarily need to have been DOTD projects.

Firm name	Volkert, Inc.	**Past Performance Evaluation Discipline(s)***	CE&I / OV
Project name	**I-10 from Vererans to Clearview**	**Firm responsibility (prime or sub?)**	Prime
Project number	450-15-0099	**Owner's name**	LADOTD
Project location	Jefferson Parish, LA	**Owner's Project Manager**	Michael Duplantis, PE
Owner's address, phone, email	Gang 242/ District 2, 166 W 3rd Street, Kenner, LA 70063; 504-465-3473; michael.duplantis@la.gov		
Services commenced by this firm (mm/yy)	10/2013	**Total consultant contract cost ($1,000's)**	$6,441
Services completed by this firm (mm/yy)	01/2017	**Cost of consultant services provided by this firm ($1,000's)**	$5,370

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

* If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.

Staff to be used in this proposal:

- Janet Evans, PE, MBA
- Stephen Heraty, PE

Volkert provided construction contract administration and construction engineering and inspection (CEI) services for the construction of additional lanes on I-10 between Veterans Boulevard and Clearview Parkway in Metairie, Louisiana. The project consisted of adding lanes and full width shoulders in each direction to the existing roadway and bridges, increasing drainage capacity, cold planing asphaltic pavement, Class II base course, Superpave asphaltic concrete pavement, asphaltic concrete SMA wearing course, new roadway signing and lighting, sound barrier walls, slab span and girder span bridges, pavement markings, waterline relocation, sewer force main relocation, and related work. The work included a comprehensive public information effort to inform stakeholders of ongoing work in the area. Project website, media releases, direct communication by email, phone, etc. were used to provide information to the public. Volkert was responsible for construction engineering and inspection (CEI) services for the entire project. The Volkert team served as a DOTD Project Engineer's office and managed all aspects of the work in the same manner as an "inhouse" project.

Firm name	Volkert, Inc.	**Past Performance Evaluation Discipline(s)***	CE&I / OV
Project name	**I-10 French Branch Bridge – West Pearl River Bridge**	**Firm responsibility (prime or sub?)**	Prime
Project number	H.003107.6	**Owner's name**	LADOTD
Project location	St. Tammany Parish, LA	**Owner's Project Manager**	Benjamin Thomas, PE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802 (225) 379-1509, Benjamin.Thomas@LA.GOV		
Services commenced by this firm (mm/yy)	03/2015	**Total consultant contract cost ($1,000's)**	$62
Services completed by this firm (mm/yy)	07/2017	**Cost of consultant services provided by this firm ($1,000's)**	$42

Volkert provided construction contract administration and construction engineering and inspection (CEI) services for the reconstruction of the I-10, I-12, and I-59 interchange in Slidell, Louisiana. The project consisted of clearing and grubbing, grading, drainage structures, cold planing asphaltic concrete, class II base course, superpave asphaltic concrete pavement, open graded friction course asphalt, Portland cement concrete pavement, temporary and permanent striping and lime treatment of sub-base. The project was a total reconstruction of 10.3 miles of roadway at the interchange. The existing concrete roadway was removed to the sub-base and replaced with over 200,000 tons of asphalt.

Staff to be used in this proposal:

- Janet Evans, PE, MBA
- Stephen Heraty, PE

Firm name	Volkert, Inc.	**Past Performance Evaluation Discipline(s)***	CE&I / OV / Road
Project name	**I-10 Design Build (Highland Road to LA 73)**	**Firm responsibility (prime or sub?)**	Prime
Project number	H.009250	**Owner's name**	LADOTD
Project location	East Baton Rouge/Ascension Parish, LA	**Owner's Project Manager**	Peggy Jo Paine, PE
Owner's address, phone, email	P. O. Box 94245, Baton Rouge, LA 70804, 225-379-1065, peggy.paine@la.gov		
Services commenced by this firm (mm/yy)	08/2017	**Total consultant contract cost ($1,000's)**	$12,845
Services completed by this firm (mm/yy)	02/2020	**Cost of consultant services provided by this firm ($1,000's)**	$12,343

Volkert was selected for Task Order 4 for State Contract No. 4400004915 to serve as the Owner Verification Firm (OVF) to manage this $72M Design-Build project for LA DOTD. Volkert's Baton Rouge office is responsible for all project oversight for the Design and Construction on this Project. The proposed project includes widening I-10 a quarter mile west of the I-10/ Highland Road interchange to east of the I-10/ LA 73 interchange from two lanes in each direction to three. Volkert OVF team members manage the contractor pay estimates, change orders, inspector's daily work reports, and inspector's daily diaries in Site Manager. OVF team members use AashtoWare to approve the contractor's weekly payrolls and the DBE subcontractor's payments. Team members use ProjectWise as document management, organization and storage for LA DOTD staff to review. OVF team members use VAIR (Volkert Automated Inspection Report) is a program developed by Volkert to help track and maintain construction activities by use of a Hold Point (HP). A Hold Point is a point at which the D-B contractor is required to notify the OVF and obtain verification that the work is in conformance with the contract documents prior to proceeding with subsequent work. This essentially means that the contractor needs to stop all work until the OVF releases the hold point. Volkert uses VAIR to manage material sampling activities, daily reports and activities, and pre-pour checklists for their inspectors. ECM provided Construction Quality Acceptance (CQA) services that included managing Construction Quality Acceptance activities as per the Construction Quality Management Plan (CQMP), verifying implementation and compliance to it as well as maintenance of the CQMP; evaluating the quality of work performed by contractor, subcontractors, and suppliers and verifying that Quality Records attesting to the quality of the Work, as required by the Contract Documents, are prepared, maintained and stored throughout the term of the contract, and uploaded to the electronic QA documentation ion ProjectWise database as well as performing source evaluations/approvals of materials, reviewing LDOTD inspection records, establishing a system for QA inspections and equipment tests, and coordinating independent testing and verification.

Staff to be used in this proposal:

- Janet Evans, PE, MBA
- Stephen Heraty, PE

Firm name	Volkert, Inc.	**Past Performance Evaluation Discipline(s)***	CE&I
Project name	**Hampton Roads Bridge-Tunnel Expansion Project**	**Firm responsibility (prime or sub?)**	Subconsultant
Project number	N/A	**Owner's name**	Virginia DOT
Project location	Norfolk and Hampton, VA	**Owner's Project Manager**	James Utterback, PMP
Owner's address, phone, email	240 Corporate Boulevard, Norfolk , VA 23502 | james.utterback@VDOT.virginia.gov		
Services commenced by this firm (mm/yy)	07/2022	**Total consultant contract cost ($1,000's)**	$3,800
Services completed by this firm (mm/yy)	05/2025 (est.)	**Cost of consultant services provided by this firm ($1,000's)**	$321

As a subcontractor, Volkert is providing construction inspection and materials testing services for the Hampton Roads Bridge-Tunnel (HRBT) project on I-64.

The HRBT project is one of the largest infrastructure projects in the country due to its budget and scope. The project includes boring new twin tunnels across the bay adjacent to the existing tunnel, and widening segments of nearly 10 miles of the I-64 corridor in the cities of Norfolk and Hampton. This expansion resolves several challenges the area faces on a daily basis by increasing capacity, alleviating major traffic congestion, and improving travel time dependability.

Volkert is currently providing Quality Assurance / Quality Control (QA/QC) services for the pre-placement of concrete, formwork, and reinforcing steel inspection by providing inspection of form installation, reinforcing steel for proper bar type, size, number, spacing, configuration for pile caps, piers, decks, pavement, foundations, barriers, and other concrete cast-in-place structures.

Volkert is also responsible for concrete placement observation, testing and documentation; post-concrete placement inspection; building inspections related to the tunnel support buildings/vent buildings; bridge and roadway inspections; sampling and testing of materials as specified in the contract documents; testing and inspections relative to utility relocations; structural steel bolt up and torque verification; embankment fill/aggregate base placement; excavations and soil jet grouting; construction material deliveries; concrete and asphalt placement; below grade pipe and storm culvert installation, traffic management plans; work zone maintenance of traffic (MOT), and erosion and sediment control (ESC) plans.

On a daily basis, Volkert is providing inspector daily reports (IDRs), written reports, and digital photographs of on-going work. The IDRs include information about weather conditions, deviations, contractor equipment and manpower, safety, work zone, or ESC issues observed, identification of potential quality issues for non-conforming work, quantities of production observed and materials placed, checklists for work activities observed, test results, and VDOT test forms completed.

Firm name	Volkert, Inc.	**Past Performance Evaluation Discipline(s)***	Bridge
Project name	**LA 23: Belle Chasse Bridge and Tunnel (HBI) Improvements**	**Firm responsibility (prime or sub?)**	Prime
Project number	H.010016.6	**Owner's name**	LADOTD
Project location	Orleans / St. Tammany Parishes, LA	**Owner's Project Manager**	Nicholas Oliver, PE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802 (225) 379-1509,nicholas.olivier@la.gov		
Services commenced by this firm (mm/yy)	02/2020	**Total consultant contract cost ($1,000's)**	$10M
Services completed by this firm (mm/yy)	09/2024 (est.)	**Cost of consultant services provided by this firm ($1,000's)**	$4.9M (est.)

The project shall consist of replacing the existing Belle Chasse Tunnel and Judge Perez Lift Bridge at the Algiers Canal. Proposed improvements shall include a four-lane fixed height bridge with pedestrian and bicycle accommodations. The LA 23 Intracoastal Waterway (ICWW) /Judge Perez Bridge (Structure No. 02380620200432, Recall No. 002500, Louisiana Historic Resource Inventory No. 38-00017) is a steel vertical lift bridge built in 1967 to carry LA 23 traffic over the ICWW. It is located in Belle Chasse, Plaquemines Parish (approximately latitude 29.871715, longitude -90.008684). The overall bridge length is approximately 2558 feet, including its pre-stressed concrete stringer/multi-beam and steel girder approaches. The main lift span is approximately 150 feet long by 34 feet wide. The main span with the lift towers is approximately 250 feet long.

Staff to be used in this proposal:

- Janet Evans, PE, MBA
- Stephen Heraty, PE
- Courtney Cambre
- Brandon Carpenter
- Robert Lumpkin

Volkert will be responsible for providing all Engineering Design and Construction Support services including implementation of the Construction Quality Assurance Plan for the Belle Chasse Bridge & Tunnel Public Private Partnership (P3) Project which provides for the replacement of the Belle Chasse Tunnel and Judge Perez Lift Bridge with a new toll bridge. This includes the development of construction plans, bridge replacement plans, decommissioning of the Tunnel and development of O&M plans. As the OVT, Volkert will provide guidance and support to the LADOTD Project Manager prior to and during reviews, develop review comments, attend project meetings, ensure that the DBT adheres to their contract, and address other assignments as directed. Volkert will verify that all the P3 submittals (i.e. Safety Plan; FAA permits; US Coast Guard Permits; USACE permits; Quality Manual; etc.) conform with the DBT contract documents (Final RFP) and that all required meetings (i.e. Pre-Work Conference; Design Mobilization meeting; Site Mobilization meeting; Progress Meetings; Design Reviews, etc.) are held and meeting minutes are taken.

Firm name	WSP USA, Inc.	**Past Performance Evaluation Discipline(s)***	CE&I / OV
Project name	**Detroit-Windsor Tunnel Detailed Inspection**	**Firm responsibility (prime or sub?)**	Prime
Project number	21728	**Owner's name**	Detroit Windsor Tunnel, LLC
Project location	Detroit, Michigan and Windsor, Ontario	**Owner's Project Manager**	Trevor Pearce
Owner's address, phone, email	100 E. Jefferson Avenue, Detroit, MI 48226, 313 567 4422, tpearce@dwtunnel.com		
Services commenced by this firm (mm/yy)	03/15	**Total consultant contract cost ($1,000's)**	$5,000
Services completed by this firm (mm/yy)	Ongoing	**Cost of consultant services provided by this firm ($1,000's)**	$4,000

The Detroit-Windsor Tunnel opened to traffic on November 1, 1930 after only twenty-six months of construction. The tunnel is two-lanes, 5,137 feet long from portal-to-portal and was constructed using shield-driven and cut-and-cover open approaches at either end, and nine precast tubes sunk into a trench dredged in the bottom of the Detroit River. It was the world's first—and remains the world's only—international vehicular tunnel, including ventilation buildings, toll plazas, customs and immigration facilities on both sides.

Since the early 1970s, WSP has provided continuing advisory services, including: consultations on tunnel safety, consultation on rehabilitation of tunnel finishes and paving, evaluation of the Detroit-side toll plaza renovation, appraisal of tunnel operations and maintenance costs through the year 2020, inspection and loading rating of Exhaust Ceiling Slab, inspection and loading rating of the Roadway Floor Beams, inspection and repair of the Detroit portal bent section center reinforce concrete columns, and repair of Detroit Portal exterior tunnel waterproofing in the Detroit Plaza.

Staff to be used in this proposal:

- Gerald Luttman

In 2015, WSP began the River Section Ceiling Slab Replacement Study, which selected the most efficient system for the new slab, and design of the new ceiling slab in the shield and immersed tube tunnel sections. The project includes the replacement of 4,000-ft of the original 1929 reinforced concrete ceiling slab over the roadway which also forms the tunnel exhaust duct, and requires coordination with ventilation, electrical, communication, security and lighting system disciplines, as well as tunnel operations. The initial phase of the project included the detailed inspection of the cast-in-place concrete tunnel lining crown, which identified types and quantities of defects for the entire 4,000-ft length of the project in the tunnel river section exhaust duct. The inspection also provided a summary of the inspection results and repair and rehabilitation methods. WSP is also providing detailed design documents, procurement assistance, construction administration, engineering, inspection and shop drawing and RFI reviews for the new slab. The project also includes on-call post design and construction support services.

Firm name	WSP USA, Inc.	**Past Performance Evaluation Discipline(s)***	Bridge
Project name	**New Pass Bridge Rehabilitation**	**Firm responsibility (prime or sub?)**	Prime
Project number	173980A; 173980B	**Owner's name**	FDOT District 1
Project location	Sarasota, Florida	**Owner's Project Manager**	Tara Rodrigues
Owner's address, phone, email	District Structures Maintenance Office, 2916 Leslie Road, Tampa, FL 33619, 813-612-3381, tara.rodrigues@dot.state.fl.us		
Services commenced by this firm (mm/yy)	10/14	**Total consultant contract cost ($1,000's)**	$461
Services completed by this firm (mm/yy)	Ongoing	**Cost of consultant services provided by this firm ($1,000's)**	$109

Built in 1986, the New Pass is a single-leaf twin Hopkins trunnion bascule bridge. The bascule span is 64.5-feet wide and 117.5-foot trunnion to bearing on rest pier. Under the Districtwide Bridge Engineering contract, WSP preformed structural, mechanical, and electrical inspections for the bridge and used the findings to develop detail design plans and specifications for the 2016 rehabilitation. The work was done without significant closures to vehicular traffic or marine traffic. WSP also provided on-call post design and construction support services.

Structural details included replacing the sidewalk deck grating with aluminum grating, adding access platforms at all traffic gate locations and performing span balance calculations. Additionally, repairs were performed on the tender house, including replacing the windows, doors and roof system.

Electrical rehabilitation design included replacing the control console desktop, the Program Logic Control (PLC) system, traffic gates, navigational lights, and the existing natural gas generators with diesel fueled generators. The conduit and wiring associated with the new generators, traffic gate arms, PLC system, navigation lights, and replacement boxes was replaced. Undersized and solid conductors in bridge electrical system was replaced to comply with AASHTO standards and the existing plastic submarine cable cabinet connection box was replaced with a NEMA 4x Stainless Steel Box. Onsite inspections were performed and the existing electrical contract plans and shop drawings were redlined for actual as-built conditions. Investigations were performed on the motor field current draw anomalies indicated in recent past inspection reports. WSP is also providing on-call post design and construction support services.

Staff to be used in this proposal:

- Kevin Walsh
- Bertrand Crouthamel

Firm name	WSP USA, Inc.	**Past Performance Evaluation Discipline(s)***	Bridge
Project name	**Statewide On-Call Services for Movable and Floating Bridges, Special Structures, and Tunnel Engineering**	**Firm responsibility (prime or sub?)**	Prime
Project number	160172	**Owner's name**	Washington State Structures Office - Bridge Preservation Office
Project location	Statewide, Washington	**Owner's Project Manager**	Steve Draughon, PE
Owner's address, phone, email	7345 Linderson Way SW, Tumwater, WA 98501, 360.570.2576, stonedu@wsdot.wa.gov		
Services commenced by this firm (mm/yy)	007/02	**Total consultant contract cost ($1,000's)**	$2,564
Services completed by this firm (mm/yy)	Ongoing	**Cost of consultant services provided by this firm ($1,000's)**	$1,842

Staff to be used in this proposal:

- Antonio Gonzalez
- Kevin Walsh
- Bertrand Crouthamel
- Jude Bonsu

WSP has been providing WSDOT with on-call engineering services for movable and floating bridges in the Puget Sound region for over two decades. Mechanical and electrical support for tunnels began in 2002 and continues under the present contract. Our services have included inspection and rehabilitation of mechanical and electrical systems, retrofit designs, trouble-shooting, commissioning and support during construction, and customized operations and inspection manuals. WSP is committed to understanding exactly what WSDOT's priorities and expectations are for completing necessary projects on the region's vital bridge systems. Through our prior and existing on-call engineering contracts, the WSP team has established relationships, hands-on experience and thorough knowledge of WSDOT's people, policies and procedures. WSP has been involved in design or inspection projects for every movable bridge, floating bridge, and tunnel in the WSDOT transportation system. WSP's on-call services for WSDOT include: 24-hour ready response; specialized movable bridge services, and specialized tunnel system services. A partial inventory of notable WSDOT movable bridges, floating bridges, and tunnels include the following:

- I-90 Mercer Island Tunnels
- Bremerton Tunnel
- I-90 Mt. Baker Ridge Tunnels
- SR99 Battery Street Tunnel
- SR104/5.1 & 5.2 Hood Canal Bridge (floating draw bridge)
- SR509/ 530E First Ave South over Duwamish River (2-leaf bascule bridge)
- SR529/10E & 10W Snohomish River Bridges (parallel vertical lift bridges)

Firm name	APS Engineering & Testing, LLC	**Past Performance Evaluation Discipline(s)***	CE&I
Project name	**2012-FEMA-7H1-1, Touro Neighborhood**	**Firm responsibility (prime or sub?)**	Prime
Project number	N/A	**Owner's name**	DPW NOLA
Project location	Orleans Parish, LA	**Owner's Project Manager**	Khalid Saleh
Owner's address, phone, email	1300 Perdido Street, Ste. 6W03, New Orleans, LA 70112, 504-658-8100		
Services commenced by this firm (mm/yy)	07/2014	**Total consultant contract cost ($1,000's)**	N/A
Services completed by this firm (mm/yy)	08/2016	**Cost of consultant services provided by this firm ($1,000's)**	$92

The City of New Orleans implemented a multi-million dollar, multi-year comprehensive program to repair roadways damaged due to hurricane Katrina. APS Engineering provided professional engineering and Construction services in an multi-neighborhood project for the Touro portion of the Milan/Touro project under Waggoner Engineering.

Staff to be used in this proposal:

- Sergio Aviles, PE
- Sai Eddanapudi, ME, PE
- David Wilson

Firm name	APS Engineering & Testing, LLC	**Past Performance Evaluation Discipline(s)***	CE&I
Project name	**RR067 Hollygrove/Leonidas Group**	**Firm responsibility (prime or sub?)**	Prime
Project number	N/A	**Owner's name**	DPW NOLA
Project location	Orleans / St. Tammany Parishes, LA	**Owner's Project Manager**	Khalid Saleh
Owner's address, phone, email	1300 Perdido Street, Ste. 6W03, New Orleans, LA 70112, 504-658-8100		
Services commenced by this firm (mm/yy)	06/2020	**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)**	$300

The City of New Orleans implemented a multi-million-dollar, multi-year comprehensive program to repair roadways damaged due to hurricane Katrina. APS Engineering provided professional engineering services in a multi-neighborhood project for the Hollygrove portion of the Hollygrove/Leonidas Group A project under Waggoner Engineering.

The repairs in this project that were determined to be eligible for FEMA funding are roadways, sidewalks, ADA ramps, and curbing. APS performed a thorough assessment of these damages and recommended the best value approach to implement the repairs. The recommendations by APS allowed the City to maximize the federal dollars to have the most impact on the neighborhood's infrastructure as possible.

Staff to be used in this proposal:

- Sergio Aviles, PE
- Sai Eddanapudi, ME, PE
- David Wilson

The Hollygrove neighborhood project included multiple construction repair types with an estimated value for roadway improvements that is approximately $10 million.

Firm name	APS Engineering & Testing, LLC	**Past Performance Evaluation Discipline(s)***	CE&I
Project name	**I-10: Highland to LA 73**	**Firm responsibility (prime or sub?)**	Sub
Project number	H.009250	**Owner's name**	LADOTD
Project location	St. Tammany Parish, LA	**Owner's Project Manager**	Peggy Paine, PE
Owner's address, phone, email	1201 Capitol Access Rd., Baton Rouge, La. 70802-4438 225-379-1001; Peggy.Paine@la.gov		
Services commenced by this firm (mm/yy)	04/2018	**Total consultant contract cost ($1,000's)**	N/A
Services completed by this firm (mm/yy)	01/2020	**Cost of consultant services provided by this firm ($1,000's)**	$400

APS was tasked with the QA for material testing service s, as the QA testing lab, APS is conducting all the approved soil, compaction, and concrete testing.

Staff to be used in this proposal:

- Sergio Aviles, PE
- Sai Eddanapudi, ME, PE
- Donna Easterly

SECTION 18:
APPROACH & METHODOLOGY

VOLKERT

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

18. Approach and Methodology:
Provide a description of how the work will be performed and provide the proposed project schedule. Include any additional information or description of unique resources that are planned to be used to produce the deliverables. Include any proprietary technologies, methods or approaches that will be used on this project to improve quality or efficiency. If the proposal is for an IDIQ contract, the consultant should review the scope of services in Attachment A to the advertisement to obtain a general understanding of what a typical task order would entail. Based upon that understanding, the consultant should provide a sample schedule that identifies the major milestones, deliverables, tasks, etc., to demonstrate sufficient understanding of a typical task order. The duration of the task order is not required. This section shall be limited to four pages. If more than four pages are included, all pages after the fourth page will not be evaluated.

HISTORY AND BACKGROUND OF RESPONDENT

Founded in New Orleans in 1925, Volkert continues to be ranked as one of the top consulting firms in the United States offering, engineering, environmental, program and construction management services. Volkert is rated as one of the top engineering, planning, and environmental consulting firms in the United States – ranking in the upper 1% of engineering design firms in the nation. ***The 2022 Engineering News Record ranks Volkert #88 of the Top 500 Design Firms in the United States.*** With office locations throughout the United States, its Professional Engineers and Planners, demonstrate a commitment to exceeding client expectations by providing engineering and planning expertise for projects of all sizes and complexities.

ENR awarded Volkert the #88 spot in this year's ENR Top 500 Design Firms ranking - highest in company history.

Volkert employs over 1,200 civil, structural, mechanical, and electrical engineers, land planners, environmental scientists, right-of-way specialists, bridge inspectors, technicians, and landscape architects. Volkert has maintained an office in the State of Louisiana continuously since 1964, and currently has permanent offices in New Orleans, Mandeville, Baton Rouge, and Shreveport. Many notable projects around the State have been managed or designed by our firm for local Parishes, Cities, Levee Boards, the LADOTD, and other Louisiana agencies during these 50+ years. Services for this project will be led out of Volkert's New Orleans office. As a large firm, Volkert provides depth of staff provided at all levels including DOTD experienced staff.

Volkert is a full-service, multi-disciplinary engineering, planning and environmental services firm with a long and successful history in support of public and private sector clients. Volkert is recognized as an industry leader for delivering innovative solutions for infrastructure and facility challenges. Our professionals demonstrate a commitment to exceeding client expectations by providing exceptional engineering expertise for projects of all sizes and complexities.

Project Approach

Volkert's approach to this work will follow the model that has been developed over many years of providing construction engineering and inspection services to the transportation industry.

Project Understanding

The overall scope of this project which includes structures, roadway, tunnel, electrical, mechanical and other components are all within the expertise of the team Volkert has assembled. To provide the DOTD with a well-rounded team that can inspect this work, Volkert has teamed up with WSP and APS. WSP will handle the mechanical and electrical components of the tunnel and other work. Volkert has extensive experience in structural repair and construction, roadwork, asphalt, and all other items related to urban infrastructure projects. APS will provide the materials expertise needed for the project. This team will work together as one to help deliver the DOTD a successful project.

Staffing

The location of Volkert's administrative office in New Orleans will allow for efficient use of staff and equipment. The proposed staff is currently working in southeast Louisiana and will be available as the work begins. This includes personnel who built the I-10 Twin Span Bridge projects and the I-10 from Veterans Boulevard to Clearview Parkway and are the result of a relentless training program involving mentoring, department certification, cross training, and peer review. Many of our staff members were hired from the local area, mentored by experienced core staff, and have completed multiple DOTD Certifications that are current and meet the requirements of the RFQ.

Evidence of Certification(s)

Our team meets the minimum personnel requirements outlined in the request for qualification for this project. All engineers, engineer interns, and field personnel listed in the staffing plan for the project have completed the appropriate work zone training courses. All relevant certifications are included in this proposal.

Responsible Office

Volkert's administrative office in New Orleans will serve as our base of operations for this project. The office location in New Orleans is located approximately 20 minutes from this project location. The project staff will be available immediately to the assigned work.

Specialized Equipment Requirements

Volkert has sampling and testing equipment available to immediately commence inspection operations. Volkert's participation on the current Belle Chasse Bridge project and our previous work on other projects have allowed the company to accumulate all of the equipment items that would require the longest lead times.

Survey

Accurate survey data is the foundation for quality design and construction. At Volkert, survey services have been an integral component of the firm's multi-disciplined approach since its founding in 1925. Professional, in-house surveying capabilities allow clients the benefit of working with a single firm on projects that require multiple disciplines. The Volkert survey staff has nearly two centuries of professional experience. A significant portion of this land surveying expertise has been in the area of boundary and right of way surveying which includes the preparation

of countless legal descriptions and right of way plats for acquisitions for both DOT, local municipalities and utility clients. Volkert's staff also has extensive experience in land conveyances, title in land, RFID and many types of easements and rights of way. When construction layout verification is required, the Volkert Team will be available to handle that task.

Project Coordination

Project coordination activities will begin immediately with the formal assignment of the project to the project manager and his staff. The first task will be to establish communication with the Louisiana DOTD Project Coordinator and introduce them to our project staff. Regular and consistent communication will continue throughout the project life cycle. Face-to-face meetings, as well as the latest communications technologies, will be employed to facilitate and maintain communication. Once a task is assigned, Volkert will initiate contact with the contractor as appropriate. Open and honest communication will be maintained with the contractor staff and the Louisiana DOTD for the duration of the project. The initial meeting between Volkert personnel and the project partners will seek to formally define roles and responsibilities, develop and adopt common project goals, and establish the necessary channels of communication. This first meeting will lay the groundwork for the partnering effort that will be essential to the successful completion of the task.

Quality Control/Quality Assurance

Volkert's quality control program for CE&I work consists of a multi-level review process of all project documentation. Site source records generated by inspectors are reviewed by senior inspectors before submittal to office staff for further review and then submitted to the project engineer for approval and inclusion in the project records. Project records are audited at project milestones. Typically, the audits are performed at 25%, 50%, 75%, and 100%. Quality assurance is provided through routine reviews conducted by experienced personnel not involved in the project to ensure contract compliance and client satisfaction. These reviews are generally performed at six-month intervals and include interviews with all project stakeholders.

Schedule

Once the project is LET and the contractor has developed their schedule for the project. The Volkert team will study the construction schedule and determine the proper staffing levels for the project. We understand that contractor's schedules are fluid, and we have to maintain staff flexibility to handle planned and unplanned changes to schedule.

Conclusion

The Volkert team is confident of its ability to support the Louisiana DOTD on this important initiative. We have developed a project team to meet your specific requirements. This team has a wealth of recent experience in providing Construction Contract Administration and Construction Engineering Inspection Services to the Louisiana Department of Transportation and Development (DOTD). The Volkert team features qualified professionals in every work area. Our personnel possess all the necessary DOTD certifications and experience required for the project. The Volkert team personnel has recent relevant experience on similar projects and a long history of outstanding support for the Louisiana DOTD. These factors will help the team form a partnership with the Department, the contractor, and the public to deliver a successful project.

Our team appreciates your review of our qualifications, experience, and dedicated work ethic. We look forward to the opportunity to demonstrate further our capabilities in providing the requested services. We believe we represent the right choice for the Louisiana DOTD and eagerly anticipate the opportunity to support your efforts on this project.

SECTION 19: WORKLOAD

- VOLKERT
- WSP
- APS

VOLKERT

DOTD

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

19. Workload:

For all contracts where a firm on the team is a prime consultant or sub-consultant and where a) the consultant selection was made by DOTD, and b) a contract was executed by the consultant and the contracting entity by the date the advertisement for this proposal was posted, list all work meeting the following criteria:

1) one of the team's firms is responsible for the performance of the work;
2) authorization to perform the work has been provided, as provided in the contract between the consultant and the contracting entity;
3) the work has not yet been performed and invoiced; and
4) the work is not currently suspended for an indefinite period of time.

For indefinite delivery/indefinite quantity (IDIQ) contracts, list open Task Orders individually. List only the portion of the fees attributable to firms on the team.

Firm(s)	Past Performance Evaluation Discipline(s) *	State project number	Project name	Remaining Unpaid Balance**
Volkert, Inc.	Road	H.003074; H.009087	Route I-10: Williams Blvd. to Veterans Blvd. & Loyola Drive to Williams Blvd. – Sub-consultant, Jefferson	$1,736.00
Volkert, Inc.	Road	H.001309.5	MacArthur Blvd. Phase II Final Plans – Sub-Consultant, Jefferson Parish, LA	$77,678.00 (Project on Hold)
Volkert, Inc.	Bridge	H.004113	I-12 to Bush LA 3241 (LA 435 to LA 40 / LA 41), - Sub Consultant, St. Tammany Parish, LA	$48,558.00
Volkert, Inc.	Bridge	H.011152.5	I-12 Widening (US 190 to LA 59) Route I-12 – Sub Consultant, St. Tammany Parish, LA	$22,851.00
Volkert, Inc.	Traffic	H.009250, Contract No. 44-4787,	IMR I-10 Highland Road to LA 73, East Baton Rouge and Ascension Parishes, LA	$1,288,129.00
Volkert, Inc.	Survey	Contract No. 44-17069	Louisiana Watershed Initiative (LWI) Modeling Contract Region 3, Sub Consultant, Task Order 3	$104,654.00
Volkert, Inc.	Survey	H.013284, Contract No. 44-017764	IDIQ Contract for Engineering and Inspection Services of State Regulated Dams with Majority of Work in Districts 04,05.08 and 58, Statewide, Task Order 4	$217,867.00
Volkert, Inc.	Survey	H.013073.5	IDIQ Contract for Design of Safety Projects, Statewide with Majority of Work I Districts 04,05, and 58. Sub-Consultant; Greenwell Springs & Woodlake Sidewalks	No Open Task Orders
Volkert, Inc.	Bridge	H.015336	IIJA Off-System Bridge Program District 04	$50,000.00
Volkert, Inc.	Other	Contract No. 44-17328	IDIQ Contract for Innovative Procurement Support Services, Statewide	No Open Task Orders
Volkert, Inc.	CEGI/OV	H.003370	I-220/I-20 Interchange Improvements & Barksdale AFB Access, Bossier Parish, LA	$54,386.00

Firm(s)	Past Performance Evaluation Discipline(s) *	State project number	Project name	Remaining Unpaid Balance**
Volkert, Inc.	CE&I/OV	H.004791	LA 23: Belle Chasse Bridge and Tunnel Replacement (HBI) Plaquemines Parish, LA	$6,578,108.00
Volkert, Inc.	CE&I/OV	H.013897.6	College Drive Flyover Ramp. I-10/I-12 West & East Baton Rouge Parish, LA	$1,433,514.00
Volkert, Inc.	CE&I/OV	H.004100.6	Phase I W. of Washington Street to Essen Lane (CE&I) Phase I Segment 01. W. of Washington Street to Acadian Thruway, Route I-18. East & West Baton Rouge Parishes, LA	$8,638,988.00(E)
Volkert, Inc.	CE&I/OV	H.001234.6	LA 1 Port Allen Canal Bridge Replacement (Phase 1) (HBI) (CE&I), West Baton Rouge Parish, LA – Subconsultant to Richard C. Lambert	$691,610.00
Volkert, Inc.	CE&I/OV	H.007811.6, H.000710.6, H.002273.6, and H.001352.6	Comite Diversion Canal CE&I and Utility Relocation, East Baton Rouge Parish, LA – Subconsultant to Richard C. Lambert	$456,912.00
Volkert, Inc.	CE&I/OV	H.003003.6-2	Retainer Contract 44-19950 IDIQ Contract for Construction Engineering and Inspection Services (CE&I) Statewide with Majority in District 03 Acadia, Lafayette, Evangeline, Iberia, St. Landry, St. Mart, St. Mary, and Vermilion Parishes – Task Order 1 – I-10: East Jct I-49 to LA 328, Lafayette Parish – Subconsultant to GEC	$39,404.00
Volkert, Inc.	CE&I/OV	H.002151.6	Retainer Contract 44-19950 IDIQ Contract for Construction Engineering and Inspection Services (CE&I) Statewide with Majority in District 03 Acadia, Lafayette, Evangeline, Iberia, St. Landry, St. Mart, St. Mary, and Vermilion Parishes – Task Order 2 – Bayou Parc Perdue and Creek Bridges, Lafayette Parish– Subconsultant to GEC	$93,422.00
Volkert, Inc.	CE&I/OV	H.008145.6	LA 1: Leeville to Golden Meadow, Phase 2 (CE&I), Lafourche Parish (Subconsultant to ECM)	$3,700,000.00
Volkert, Inc.	CE&I/OV	H.010601.6	Retainer Contract 44-19950 IDIQ Contract for Construction Engineering and Inspection Services (CE&I) Statewide with Majority in District 03 Acadia, Lafayette, Evangeline, Iberia, St. Landry, St. Mart, St. Mary, and Vermilion Parishes – Task Order 3 – I-10 Widening LA 328 to LA 347, St. Martin Parish – Subconsultant to GEC	$16,980.00
Volkert, Inc.	CE&I/OV	H.002868.6	Retainer Contract 44-19950 IDIQ Contract for Construction Engineering and Inspection Services (CE&I) Statewide with Majority in District 03 Acadia, Lafayette, Evangeline, Iberia, St. Landry, St. Mart, St. Mary, and Vermilion Parishes – Task Order 4 – I-49 S Ambassador Caffery/US 90 Interchange, Lafayette Parish– Subconsultant to GEC	$579,540.00

Firm(s)	Past Performance Evaluation Discipline(s) *	State project number	Project name	Remaining Unpaid Balance**
WSP	ITS	H.010253.5	Electrical & Mechanical Engineering On-Call T09	$206,977
WSP	Planning	H.003931.5	LADOTD P3 Advisory Services On-Call T01	$261,055
WSP	Planning	H.003931.5	LADOTD P3 Advisory Services On-Call T02	$348,248
WSP	Planning	H.003931.5	LADOTD P3 Advisory Services On-Call T04	$2,280,728
APS	Geotech	H.013127	Retainer Contract for Geotechnical Services	$53,996.00
APS	Geotech	H.013144	Retainer Contract for Geotechnical Services	$45,457.00

SECTION 20: CERTIFICATIONS / LICENSES

- VOLKERT
- WSP
- APS

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

See attached.

Janet Evans

LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Ms. Janet Leigh Evans

License/Certificate Type - Number	Expiration Date
PE.0021307	09/30/2024

Status: Active

Stephen Heraty

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Stephen Heraty
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

11/4/2020 to 11/4/2020
Date

Vice President of Education and Technical Services

Baton Rouge, LA
Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.

ATSSA American Traffic Safety Services Association ATSSA.com

ATSSA

AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION

This is to affirm that
Stephen Heraty

has satisfied the requirements to be designated as a
CERTIFIED FLAGGER

Expiration Date 7/28/2024 *State Issued in* LA

Instructor Signature

Verification available by calling 1-877-64[illegible] or at http://www.flagger.com

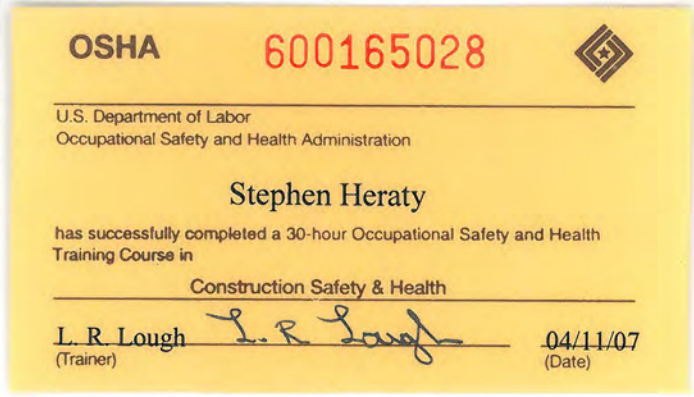
LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Stephen Pence Heraty

License/Certificate Type - Number
PE.0031272

Expiration Date
09/30/2024

Status: Active



OSHA 600165028

U.S. Department of Labor
Occupational Safety and Health Administration

Stephen Heraty

has successfully completed a 30-hour Occupational Safety and Health Training Course in

Construction Safety & Health

L. R. Lough
(Trainer)

04/11/07
(Date)

Cory Davis

The American Traffic Safety Services Association

Hereby recognizes that

Cory Davis

has attended

Traffic Control Supervisor Refresher-LA State Specific

Training Course

7/9/2019 to 7/9/2019
Date

New Orleans, LA
Location

ATSSA
SAFER ROADS SAVE LIVES

Jessica Shingler
Training & Products Dept. Director

Ryan A. Wentz
President, CEO

Nuclear Gauge Safety Certification

Certificate ID: B9EDFEC18A43CAEA

This certifies that

Cory Davis

has successfully completed the official Troxler nuclear gauge user safety training course. This person was taught and demonstrated their knowledge of radiation safety and regulatory requirements associated with the use of portable nuclear density gauges on this date:

Nov 12, 2019

This certificate is not valid until signed by the licensee RSO.

I attest that the person named above, and no other, completed the online course and tests. I certify that the individual has completed practical skills training for setting up and making measurements, routine maintenance, packaging and transport, storage, and emergency procedures for portable nuclear gauges.

Licensee RSO	Stephen P. Heraty, P.E. (Print Name)	Radiation Safety Officer (Title)	Nov. 12, 2019 (Date)

Troxler Online Training meets the requirements in Chapter 64E, Part XIII, Florida Administrative Code.

TROXLER
The Leader in Construction Testing Equipment

Troxler Electronic Laboratories, Inc.
P.O.BOX 12057 - 3008 E. Cornwallis Road - Research Triangle Park, NC 27709
Phone:(919) 549-8661 - Fax: (919) 549-0761 - www.troxlerlabs.com

ATSSA
SAFER ROADS SAVE LIVES

AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION

SLOW

This is to affirm that

Cory Davis

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Expiration Date 07-12-23 State Issued in LA

Instructor Signature

Verification available by calling 1-877-642-4637 or at http://www.flagger.com

Cory Davis

OSHA
Occupational Safety and Health Administration

27-006018196

This card acknowledges that the recipient has successfully completed:

10-hour Construction Safety and Health

This card issued to:

Cory Davis

Dennis Burks
Trainer Name

03/24/2018
Date of Issue

State of Louisiana
Department of Transportation and Development

Cory Davis

has met the requirements for certification as an:

Structural Concrete Inspector

02 ND Expiration Date: 2/23/2022

State of Louisiana
Department of Transportation and Development

Cory Davis

has met the requirements for certification as a(n):

Asphalt Concrete Paving Inspector

03 ND Expiration Date: 3/21/2026

Certificate ID: B9EDFEC18A43CAEA

Hazmat Certification

as required by U.S DOT and IATA

This certifies that

Cory Davis

has been trained and tested in accordance with the U.S. Department of Transportation and International Air Transport Association (IATA) hazardous material requirements for general awareness/familiarization, function-specific, safety and security awareness training as related to the transportation of nuclear gauges. A description of the training course materials is available from Troxler Electronic Laboratories, Inc.

Date Nov 12, 2019 Expires Nov 11, 2022

EMPLOYER CERTIFICATION

I certify that the hazmat employee identified on this certificate has been trained and tested as required by U.S. DOT Hazardous Material Regulations (49 CFR 172 Subpart H).

Signature [signature] Title Radiation Safety Officer Date Nov. 12, 2019

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Phone:(919) 549-8661 - Fax: (919) 549-0761 - www.troxlerlabs.com

---

Certificate ID: 0D9B1B0197D89910

Radiation Safety Officer Certification

This certifies that

Cory Davis

has successfully completed the official Troxler Radiation Safety Officer Course. This person was taught and demonstrated knowledge of radiation safety and the regulatory requirements associated with the role of Radiation Safety Officer for a portable nuclear gauge license on this date:

Nov 15, 2019

TROXLER® The Leader in Construction Testing Equipment

Troxler Electronic Laboratories, Inc.
P.O.BOX 12057 - 3008 E. Cornwallis Road - Research Triangle Park, NC 27709
Phone:(919) 549-8661 - Fax: (919) 549-0761 - www.troxlerlabs.com

Brandon Carpenter

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Brandon Carpenter
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

3/12/2021 to 3/12/2021
Date

Director of Training

Baton Rouge, LA
Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.

ATSSA American Traffic Safety Services Association ATSSA.com

State of Louisiana
Department of Transportation and Development

Brandon Carpenter

has met the requirements for certification as an:

Structural Concrete Inspector

02 ND Expiration Date: **11/5/2023**

CERTIFICATE IS AWARDED TO

BRANDON CARPENTER

Has successfully completed a flagger training course meeting the requirement of the

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

on the following date

APR 08, 2022

Valid for 4 years from completion date.

Expires APR 08, 2026

This temporary/backup certificate is valid with a government issued photo ID.

Verify this certificate against the information online use the code below to view or print duplicate certificates

123-57-71390

Enter the code to verify this certificate is an original at

https://process.onlineflagger.com/duplicate

Brandon Carpenter

Certificate ID: 0B03231F423F6672

Nuclear Gauge Safety Certification

This certifies that

Brandon Carpenter

has successfully completed the official Troxler nuclear gauge user safety training course. This person was taught and demonstrated their knowledge of radiation safety and regulatory requirements associated with the use of portable nuclear density gauges on this date:

Aug 10, 2021

This certificate is not valid until signed by the licensee RSO.

I attest that the person named above, and no other, completed the online course and tests. I certify that the individual has completed practical skills training for setting up and making measurements, routine maintenance, packaging and transport, storage, and emergency procedures for portable nuclear gauges.

Licensee RSO: STEPHEN HERATY (Print Name) | ASSISTANT VICE PRESIDENT (Title) | 8-11-21 (Date)

Troxler Online Training meets the requirements in Chapter 64E, Part XIII, Florida Administrative Code.

TROXLER® The Leader in Construction Testing Equipment

Troxler Electronic Laboratories, Inc.
P.O.BOX 12057 - 3008 E. Cornwallis Road - Research Triangle Park, NC 27709
Phone:(919) 549-8661 - Fax: (919) 549-0761 - www.troxlerlabs.com

State of Louisiana
Department of Transportation and Development

Brandon Carpenter

has met the requirements for certification as an:

Embankment and Base Course Inspector

02 ND Expiration Date: **4/20/2024**

AMERICAN CONCRETE INSTITUTE

This is to certify that

BRANDON W CARPENTER

has demonstrated knowledge and ability by successfully completing the ACI Certification requirements and is hereby recognized as an

ACI Concrete Field Testing Technician - Grade I

Certified Date: 06/17/2017 Expires: 06/17/2022

Examiner of Record: Mark A Cheek

ACI Managing Director of Certification

The Authenticity of this certification can be verified at www. ACICertification .org/verify

The Precast/Prestressed Concrete Institute, hereby Certifies

Brandon Carpenter

has demonstrated competence in accordance with the prescribed Level III Plant Quality Personnel Certification requirements and hereby recognized as a

Certified Level III
Quality Control Technician/Inspector
under the
Quality Personnel Certification Programs, Policy 28

Effective Date: 11/22/2019
Issued Date: 11/5/2019
Expiration Date: 11/22/2024
Certification No.: 1813196

PCI Certified Level III Technician/Inspector

Michael Kesselmayer, PCI Managing Director of Quality Programs

Bob Risser, PCI President

200 West Adams Street Suite 2100 Chicago, Ill. 60606-5230
Phone: 312-786-0300 Fax: 312-621-1114 www.pci.org

MSC-C2169 Rev#8

Robert Lumpkin

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Robert Lumpkin
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

2/18/2022 to 2/18/2026
Training Valid Through

Director of Training

New Orleans, LA
Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.

ATSSA American Traffic Safety Services Association ATSSA.com

ATSSA American Traffic Safety Services Association
SAFER ROADS SAVE LIVES

This is to affirm that

ROBERT LUMPKIN
has satisfied the requirements to be designated as a
CERTIFIED FLAGGER

Issue Date 3/1/2022
Exp. Date 3/1/2026
State Issued LA

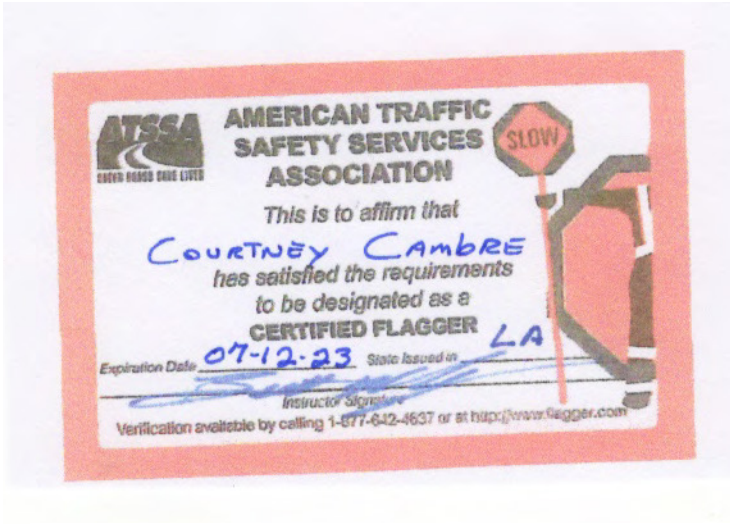
Debbie Purcella
Instructor Name

Debbie Purcella
Instructor Signature

V0000040724

Verify at Flagger.com

Courtney Cambre



OSHA Occupational Safety and Health Administration

19-002934753

This card acknowledges that the recipient has successfully completed a 10-hour Occupational Safety and Health Training Course in
Construction Safety and Health

Courtney Cambre

William R. Skipper 06-09-2011
(Trainer name – print or type) (Course end date)

Courtney Cambre

PCI Precast/Prestressed Concrete Institute

No. 13539

This certifies that

Courtney Cambre

is a registered Quality Control Personnel Certification Technician Level III

Technician's Signature

9/17/2023
Expiration Date

Bob Risser, President

Louisiana Transportation Research Center

Research, Technology Transfer, Education & Training

DOTD

Courtney Cambre

(006452757 / Non-Department)

has successfully completed

Authorized Profiler Inspector

on

December 16, 2020

SCORE = 90.0

Courtney Cambre

Certificate ID: 4BE5FB3BB890C1DE

Nuclear Gauge Safety Certification

This certifies that

Courtney Cambre

has successfully completed the official Troxler nuclear gauge user safety training course. This person was taught and demonstrated their knowledge of radiation safety and regulatory requirements associated with the use of portable nuclear density gauges on this date:

Nov 14, 2019

This certificate is not valid until signed by the licensee RSO.

I attest that the person named above, and no other, completed the online course and tests. I certify that the individual has completed practical skills training for setting up and making measurements, routine maintenance, packaging and transport, storage, and emergency procedures for portable nuclear gauges.

Licensee RSO STEPHEN HERATY (Print Name) RSO (Title) 11-14-19 (Date)

Troxler Online Training meets the requirements in Chapter 64E, Part XIII, Florida Administrative Code.

TROXLER® The Leader in Construction Testing Equipment

Troxler Electronic Laboratories, Inc.
P.O.BOX 12057 - 3008 E. Cornwallis Road - Research Triangle Park, NC 27709
Phone:(919) 549-8661 - Fax: (919) 549-0761 - www.troxlerlabs.com

Certificate ID: 4BE5FB3BB89C

Hazmat Certification

as required by U.S DOT and IATA

This certifies that

Courtney Cambre

has been trained and tested in accordance with the U.S. Department of Transportation and International Air Transport Association (IATA) hazardous material requirements for general awareness/familiarization, function-specific, safety and security awareness training as related to the transportation of nuclear gauges. A description of the training course materials is available from Troxler Electronic Laboratories, Inc.

Date **Nov 14, 2019** Expires **Nov 13, 2022**

EMPLOYER CERTIFICATION

I certify that the hazmat employee identified on this certificate has been trained and tested as required by U.S. DOT Hazardous Material Regulations (49 CFR 172 Subpart H).

Signature Stephen P Heraty Title Professional Engineer Date November 14, 2019

TROXLER® The Leader in Construction Testing Equipment

Troxler Electronic Laboratories, Inc.
P.O.BOX 12057 - 3008 E. Cornwallis Road - Research Triangle Park, NC 27709
Phone:(919) 549-8661 - Fax: (919) 549-0761 - www.troxlerlabs.com

Gerald Luttman

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

NATIONAL HIGHWAY INSTITUTE

Certificate of Training

Gerald Luttman

has participated in

FHWA-NHI-130110 Tunnel Safety Inspection

hosted by

HDR Engineering, Inc.

Date: *June 27 – July 1, 2016*

Location: *Boston, MA*

Hours of Instruction: 32

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute

Jude Bonsu
Anthonio Gonzalez

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Jude O. Bonsu

has participated in

FHWA-NHI-130110 Tunnel Safety Inspection

hosted by

WSP USA, Inc.

Date: *February 18-22, 2019*
Location: *Middletown, NY*

Hours of Instruction: 30 hours

Instructor

Instructor

Local Coordinator

Michael Davies, Director
National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Antonio Gonzalez

has participated in

FHWA-NHI-130110 Tunnel Safety Inspection

hosted by

Volkert, Inc.

Date: *January 23-27, 2017*
Location: *Mobile, AL*

Hours of Instruction: 32

/s/Tom Ryan
Instructor

/s/ Tom Howell
Instructor

/s/ Aaron Immel
Local Coordinator

Valerie Briggs, Director
National Highway Institute

SECTION 21:
QA/QC PLAN AND/OR WORK PLAN

▼NOT REQUIRED FOR THIS SUBMITTAL

VOLKERT

DOTD
LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT

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

Not Required for this Submittal.

SECTION 22:
SUBCONSULTANT INFORMATION

- WSP
- APS

VOLKERT

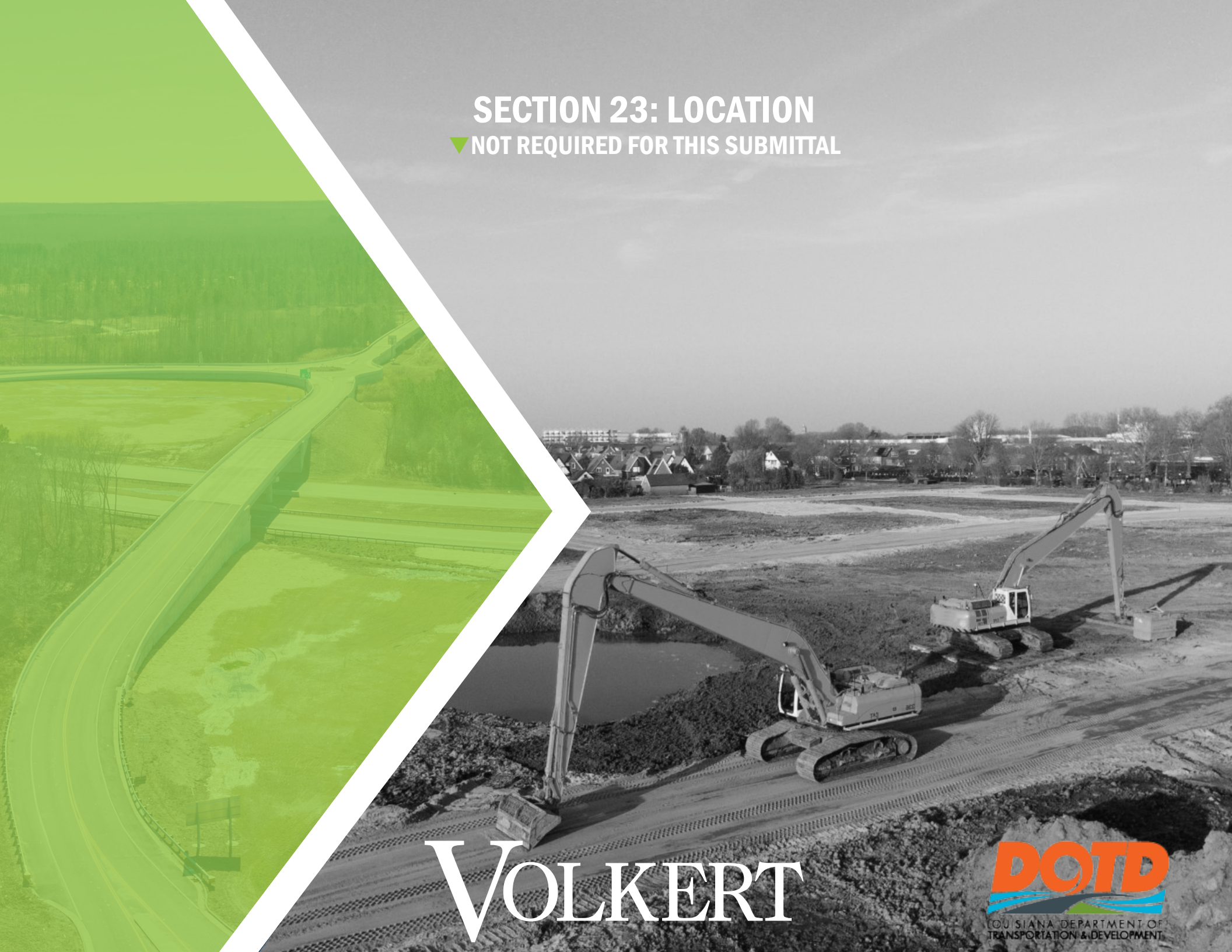
DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

22. Sub-consultant information:

Firm Name (as registered with Louisiana's Secretary of State)	Address	Point of Contact and email address	Phone Number
WSP USA Inc.	1100 Poydras Street, Suite 1175 New Orleans, LA 70163	Max Nassar, Vice President max.nassar@wsp.com	225.218.3584
APS Engineering & Testing, LLC	1645 Nicholson Drive, Baton Rouge, LA 70802	Sergio Aviles, PE; sergio@aps-testing.com	225.456.5714

SECTION 23: LOCATION

▼ NOT REQUIRED FOR THIS SUBMITTAL



VOLKERT

DOTD

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

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.

Not Required for this Submittal.


VOLKERT
DOTD
LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT