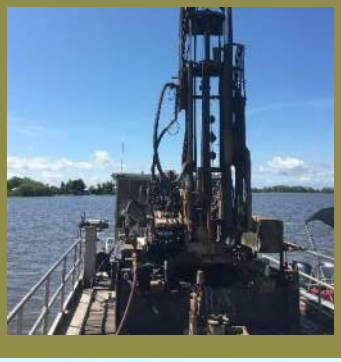
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

CONTRACT NOS. 4400024650, 4400024651, 4400024652, 4400024653, 4400024654, 4400024655, 4400024656, AND 4400024657
IDIQ CONTRACTS FOR PROFESSIONAL GEOTECHNICAL SERVICES, STATEWIDE

Submitted by: Thompson Engineering, Inc.






DOTD FORM: 24-102

(Revised March 1, 2022)

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	**IDIQ CONTRACTS FOR GEOTECHNICAL SERVICES STATEWIDE**
2. Contract number(s) as shown in the advertisement	CONTRACT NOS. 4400024650, 4400024651, 4400024652, 4400024653, 4400024654, 4400024655, 4400024656, AND 4400024657
3. State Project Number(s), if shown in the advertisement	N/A
4. Prime consultant name (as registered with the Louisiana Secretary of State where such registration is required by law)	Thompson Engineering, Inc. of Louisiana
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	EF0003125 (Engineering) VF0000699 (Survey) DUNS: 034041848
6. Prime consultant mailing address	14635 South Harrell's Ferry Rd., Suite 4-A Baton Rouge, LA 70816
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	14635 South Harrell's Ferry Rd., Suite 4-A Baton Rouge, LA 70816
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Michael Davis, P.E. – Prime Consultant Lead/Project Manager 251.706.6534 midavis@thompsonengineering.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Cameron Crigler, P.E. – Principal Geotechnical Engineer/QA 251.665.5485 ccrigler@thompsonengineering.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 that it 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: 6/28/2022 *We acknowledge receipt of Addendum 1.*
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): Kenall, Inc. (DBE) Firm(s)' %: 10%

12. Past Performance Evaluation Discipline Table:

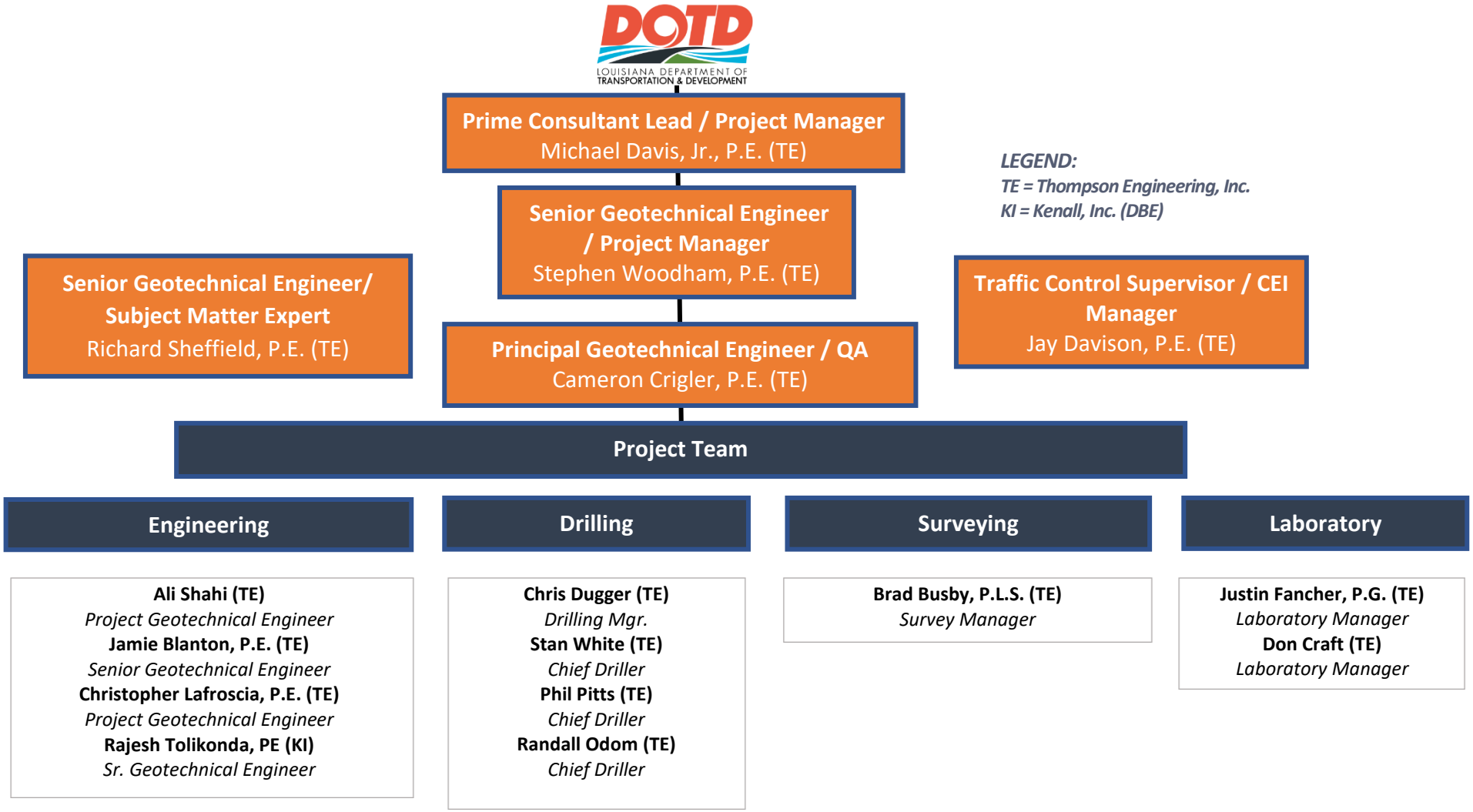
Sub-consultants are allowed to be used for this proposal. Fill in the table by identifying only those evaluation disciplines consistent with the approach and methodology proposed in Section 18 of the DOTD Form 24-102*, the name of each firm that is part of the proposal, and the percentage of work in each past performance evaluation discipline to be performed by that firm. The percentage estimated for each evaluation discipline is for evaluation purposes only and will not control the actual performance or payment of the work. 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. (Add rows and columns as needed)							
Evaluation Discipline(s)	% of Overall Contract	Thompson Engineering, Inc.	Kenall, Inc. DBE	Firm C	Firm D	Firm E	Each Discipline must total to 100%
Geotech	98	90	10				100%
Survey	2	100					100%
Identify the percentage of work for the **overall contract** to be performed by the prime consultant and each sub-consultant.							
Percent of contract	100%	90%	10%				

13. Firm Size:

Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
Thompson Engineering, Inc.	Supervisor-Engineer	2	15
	Supervisor-Other	3	21
	Engineer-Other	2	59
	Engineer	2	15
	Geologist	2	9
	Designer	2	10
	GIS Analyst	1	1
	Project Office Manager	1	13
	Engineering Intern	3	11
	Driller	2	7
	Administrative	2	44
	Senior Technician	2	14
	Technician	1	50
	Party Chief	2	7
Kenall, Inc.	Engineer-Other	1	4
	Engineer	2	2
	Senior Technician	1	3
	Technician	2	7

(Add rows as needed)

14. Organizational Chart:



15. Minimum Personnel Requirements:

MPR No. Do not insert wording from ad	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license / certification & number	State of license	License / certification expiration date
1	Cameron Crigler, P.E.	Thompson Engineering, Inc.	Professional Engineer/Civil Engineer, PE.0041403	LA	9/30/2023
	Richard Sheffield, P.E.	Thompson Engineering, Inc.	Professional Engineer/Civil Engineer, PE.0037555	LA	3/31/2023
2	Cameron Crigler, P.E.	Thompson Engineering, Inc.	Professional Engineer/Civil Engineer, PE.0041403	LA	9/30/2023
	Richard Sheffield, P.E.	Thompson Engineering, Inc.	Professional Engineer/Civil Engineer, PE.0037555	LA	3/31/2023
	Michael Davis, Jr., P.E.	Thompson Engineering, Inc.	Professional Engineer/Civil Engineer, PE.0044464	LA	9/30/2022
3	Cameron Crigler, P.E.	Thompson Engineering, Inc.	Professional Engineer/Civil Engineer, PE.0041403	LA	9/30/2023
	Richard Sheffield, P.E.	Thompson Engineering, Inc.	Professional Engineer/Civil Engineer, PE.0037555	LA	3/31/2023
4.	Justin Fancher, P.G.	Thompson Engineering, Inc.	Professional Geologist AL #1371 ACI Certification #01172758	N/A	N/A
	Don Craft	Thompson Engineering, Inc.	NICET: Soils Level II, Concrete Level II, Asphalt Level II	N/A	06/06/2023 06/06/2023 10/05/2026 02/22/2027

			ACI: Concrete Strength Testing Technician; Concrete Laboratory Testing Technician Level I; Field Testing Technician Grade I; Aggregate Testing Technician Level I		
5.	Stan White	Thompson Engineering, Inc.	State of Louisiana Licensed Water Well Driller #WWC-712	LA	06/30/2022
	Phillip Pitts	Thompson Engineering, Inc.	State Drilling License: 11035 4437-A 1121	FL NC TN	7/31/2023 6/8/2022 7/31/2022
	Randall Odom	Thompson Engineering, Inc.	N/A	N/A	N/A

16. Staff Experience:

Firm employed by **Thompson Engineering, Inc.**					
Name	**Michael Davis, P.E.**		Years of relevant experience with this employer	9	
Title	Prime Consultant Lead / Project Manager		Years of relevant experience with other employer(s)	0	
Degree(s) / Years / Specialization			BS/2013/Civil Engineering		
Active registration number / state / expiration date			PE.0044464/LA/9-30-2022; 37535/AL/12-31-2023; 122646/TN/05-31-2023; 044437/GA/12-31-2022; 050033/ NC/12-31-2022		
Year registered	2020 (LA) 2018 (AL) 2019 (TN) 2019 (GA) 2020 (NC)	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Mr. Davis fulfills the Minimum Personnel Requirement for at least one (1) principal or other responsible member of the prime consultant currently registered in the state of Louisiana as professional engineer in civil engineering. He will serve as Prime Consultant Lead/Project Manager for Thompson Engineering.		

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).
(07/21-01/22)	**LADOTD I-10 Calcasieu River Bridge, Lake Charles, LA**- Geotechnical Engineer and Project Manager for drilling, lab testing, and reporting effort in support of I-10 interstate modifications that include the realignment of I-10; the removal and addition bridges, on/off ramps, u-turns, and overpasses; as well as modifications and improvements to adjacent roadways. Thompson performed 46 soil borings ranging from 75 to 100 feet in depth.
(05/21-12/21)	**LADOTD Bayou Carron Bridge, St Landry Parish, LA**- Geotechnical Engineer / Project Manager for drilling, CPT, lab testing, and reporting effort in support of the bridge replacement and road widening on LA-10 over Bayou Carron. Field effort consisted of two (2) borings and two (2) CPT soundings performed to 120 feet in depth.
(09/15–08/18)	**ALDOT Mobile River Bridge & Bayway, Mobile, AL**- Geotechnical Engineer for a project to improve the capacity of an 11-mile section of I-10. The geotechnical portion of the project involved preliminary investigation and foundation selection for the west high level structure, field exploration, laboratory testing, and geotechnical design. The field exploration involved over 24,000 feet of SPT and undisturbed sample, mud rotary drilling along the project corridor along with cone penetrometer testing. Over 100 borings were completed.
(04/18–06/18)	**ALDOT I-565 Greenbrier Interchange, Huntsville, AL**- Mr. Davis was the project manager and technical lead of the CR-115 (Greenbrier Road) Interchange Improvement Project near Huntsville, AL. The project deliverables included retaining wall, soil survey, and slope stability reports. Mr. Davis performed retaining wall, settlement, and slope stability analyses in support of the proposed embankments and slope stabilization

(10/14–09/15)	**SCDOT I-85 / I-385 Interchange Modifications Greenville, SC-** Geotechnical Engineering Associate / Field Engineer. The design build project involved the construction of multiple bridges and retaining walls. Thompson Engineering's services included field subsurface exploration and soils laboratory testing programs for a Geotechnical Subsurface Data Report (GSDR). The field exploration included over 281 soil/rock borings culminating in over 13,000 feet of drilling**.**
(09/13–12/13)	**SCDOT I-95/US Route 301 Interchange and US Route 301 Connector to SC Route 6, Orangeburg County, SC-** Field Engineer for the US 301 extension which begins just east of the intersection of US 301 and Bonner Avenue and proceeds east through the interchange with I-95 to SC-6, with a planned length of approximately 2.3 miles. The partial cloverleaf and full diamond ramp design will allow the I-95/US 301 interchange to provide full access to and from the I-95 interstate. In addition, three new bridges will be constructed along the project alignment.

Firm employed by **Thompson Engineering, Inc.**					
Name	**Stephen Woodham, P.E.**		Years of relevant experience with this employer	2	
Title	Senior Geotechnical Engineer / Project Manager		Years of relevant experience with other employer(s)	13	
Degree(s) / Years / Specialization			BS/2003/Civil Engineering		
Active registration number / state / expiration date			40062/AL/12-31-2023; PE034235/GA/12-31-22; 124834/TN/3-31-2023		
Year registered	2021 (AL) 2009 (GA) 2021 (TN)	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Mr. Woodham will serve as Sr. Geotechnical Engineer/Project Manager for Thompson Engineering.		

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).
(07/21-01/22)	**LADOTD I-10 Calcasieu River Bridge, Lake Charles, LA**- Senior Geotechnical Engineer for drilling, lab testing, and reporting effort in support of I-10 interstate modifications that include the realignment of I-10; the removal and addition bridges, on/off ramps, u-turns, and overpasses; as well as modifications and improvements to adjacent roadways. Thompson performed 46 soil borings ranging from 75 to 100 feet in depth.
(05/21-12/21)	**LADOTD Bayou Carron Bridge, St Landry Parish, LA**- Senior Geotechnical Engineer for drilling, CPT, lab testing, and reporting effort in support of the bridge replacement and road widening on LA-10 over Bayou Carron. Field effort consisted of two (2) borings and two (2) CPT soundings performed to 120 feet in depth.
(01/17–04/19)	**GDOT OMAT, Geotechnical and Materials Laboratory Testing, Atlanta, GA** Project consisted of performing geotechnical and materials laboratory testing in support GDOT Office of Materials and Testing. In addition to managing the project. Served as Project Manager and Senior Engineer, as well as directing laboratory tests and reviewing laboratory results.
(03/17–04/19)	**GDOT, Buffington Road Widening, Atlanta, GA** Project Manager and Senior Engineer. Geotechnical exploration for the widening of Buffington Road in Atlanta. The project included Bridge Foundation Investigations, Wall Foundation Investigations, and a soil survey. Supervised all field exploration and PE reviewed the associated reports.
(02/15–04/16)	**City of Dunwoody Tilly Mill and North Peachtree Intersection Improvement, Dunwoody, GA** Project Manager and Engineer for geotechnical exploration for retaining walls associated with the intersection improvement and materials testing services for roadway, utility replacement and curb and gutter. Responsible for project management, vibration monitoring, coordination of technicians, and reviewing technician reports.

(11/17–04/19)	**City of Augusta, GA, Marvin Griffin Road Rehabilitation and Widening** Project Manager and Senior Engineer. Construction Inspection and testing services for the widening of Marvin Griffin Road as part of an on-call contract for the City of Augusta. Reviewed inspection and testing reports, and contractor pay applications.
(02/08–09/09)	**Virginia Department of Transportation / HNTB Corporation, Interstate Highway 495 (Capital Beltway) Hot Lanes Final Design Services, McLean/Springfield, VA** Responsible for inspections of drilled shafts, including evaluations of bearing surface and rock sockets, and observation of concrete placement. Final design to widen approximately 10 miles of Interstate Highway 495 (the "Capital Beltway") from south of Route 193 (Georgetown Pike) to Route 620 (Braddock Road) to accommodate new HOT (high-occupancy toll) lanes.
(09/06–02/07)	**U.S. Army Corps of Engineers - New Orleans District / URS Corporation East Levee System Geotechnical Evaluation, URS Corporation, New Orleans, LA, United States** Responsibilities included soil testing, laboratory testing for soils on unconsolidated-undrained triaxial compression (UU), and unconfined compression (UC); prepared reports of laboratory testing data. Geotechnical drilling, micrologging and laboratory services as a sub to URS in support of the New Orleans East Levee System. Project team drilled 104 borings ranging from 80 to 140 feet deep and using 5" diameter by 54" long fixed-piston drilling sampler to collect high quality samples of very soft clays found in levees and surrounding area. Lab testing program consisted of more than 500 UU triaxial 200 unconfined compression tests, as well as over 800 classification tests and more than 50 4-inch diameter USACE consolidation tests.
(06/13–12/15)	**City of Senoia, SR 16 @ Pylant Street, Senoia, GA** This project involved widening and realigning the roadway, as well as reconstruction and expansion of two existing culverts. Design included geometric modifications at the intersection to mitigate skewed angle, and regrading the road to improve sight distance and safety. The existing narrow, load-restricted bridge/culvert(s) at the outfall of Mirimac Lake and Dead Oak Creek also was expanded and modified. Services included civil engineering, structural/bridge design, geotechnical, utilities, landscape architecture, graphic design, planning, solicitation of bids for construction, permitting, and construction administration. Performed geotechnical and foundation assessment for road and stream crossing.

Firm employed by **Thompson Engineering, Inc.**				
Name	**Cameron Crigler, P.E.**		Years of relevant experience with this employer	22
Title	Principal Geotechnical Engineer/QA Review		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			BS/1999/Civil Engineering	
Active registration number / state / expiration date			41403/LA/ 09-30-23; 26300/AL/12-31-23; 044473/GA/12-31-22; 9395/MS/12-31-22; 129699/TX/12-31-22	
Year registered	2017 (LA); 2004 (AL); 2019 (GA); 2009 (MS); 2018 (TX)	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			Mr. Crigler fulfills the Minimum Personnel Requirement for at least one (1) principal of the prime consultant shall be a registered professional engineer in the state of Louisiana. He will serve as Senior Geotechnical Engineer and QA Reviewer for Thompson Engineering.	

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).
(07/21-01/22)	**LADOTD I-10 Calcasieu River Bridge, Lake Charles, LA**- Principal Geotechnical Engineer for drilling, lab testing, and reporting effort in support of I-10 interstate modifications that include the realignment of I-10; the removal and addition bridges, on/off ramps, u-turns, and overpasses; as well as modifications and improvements to adjacent roadways. Thompson performed 46 soil borings ranging from 75 to 100 feet in depth.
(05/21-12/21)	**LADOTD Bayou Carron Bridge, St Landry Parish, LA**- Principal Geotechnical Engineer for drilling, CPT, lab testing, and reporting effort in support of the bridge replacement and road widening on LA-10 over Bayou Carron. Field effort consisted of two (2) borings and two (2) CPT soundings performed to 120 feet in depth.
(01/19–02/19)	**City of Baton Rouge, Plank Road Realignment Pavement Design, Baton Rouge, Louisiana –** Geotechnical Engineer for the Runway 13/31 Safety Area/RPZ Improvements which involves the re-alignment of LA 67 (Plank Road). The relocated portion of Plank Road is approximately 3,150 feet and will be a four-lane roadway. Services provided pavement design, foundation recommendation design for both traffic signal poles and light poles.
11/19-Ongoing	**Louisiana National Guard Armed Forces Reserve Center, New Entrance Road to Highway 30 –** Thompson Engineering, Inc. (TEI) was selected by Louisiana Facility Planning & Control to prepare construction plans for the new entrance road for the existing Armed Forces Reserve Center building. The new roadway will be a two-lane boulevard with subsurface drainage, sidewalks, and street lighting. TEI is performing the topographic survey, roadway design, drainage design, geotechnical investigations, traffic impact, and construction oversight TEI performed the topographic survey, civil engineering, and construction oversight for this project. Mr. Crigler serves as Geotechnical Engineer on this project. Cost: $120,395.00

(04/19-10/19)	**Shoreline Protection At Jean Lafitte National Historical Park and Preserve, Marrero, LA –** Mr. Crigler served as the Geotechnical Engineer for the restoration of 50 acres of submerged aquatic vegetation (SAV) injured during response activities for the Deepwater Horizon (DWH) Oil Spill in proximity to the Jean Lafitte National Historical Park and Preserve (JELA) shoreline of Lake Cataouatche. Thompson while teamed with Stantec, had the responsibility to perform geotechnical drilling, sampling and laboratory testing for 30 borings performed in a shallow water and marsh environment. Included in Thompson's responsibilities was obtaining the permitting from the National Park Service (NPS) and US Army Corps of Engineers to perform the field work.
(07/10-12/11)	**Lake Pontchartrain and Vicinity Hurricane Protection, New Orleans East Levee, LA –** Mr. Crigler served as Geotechnical Engineer for the geotechnical role in raising the levee (LPV 109.02a) to elevations ranging from +16.5 to +25-feet, while reinforcing the new levee with high strength geotextiles and promoting consolidation of the subsoils using wick drains. The reach is 39,452 feet long. Undisturbed in-situ sampling, laboratory testing, CPTU soundings, geotechnical instrumentation installation, slope stability analyses, and settlement analyses were performed. The project also involved excavation and dewatering plans as well as earthen and sheet pile cofferdam design. Long-term monitoring of levee performance, particularly under severe working conditions such as hurricane driven storm surges, will be monitored via a system of electronic geotechnical instrumentation.
(09/15–08/18)	**ALDOT Mobile River Bridge & Bayway, Mobile, AL-** Mr. Crigler served as the geotechnical engineer for a project that is located in Mobile, AL and includes geotechnical investigation design portions of the proposed new bridge. The project involves a new bridge spanning the Mobile River, and an expansion of the existing 8-Mile bayway. The project had over 35,000 linear feet of drilling and associated lab testing and reporting. Mr. Crigler provided geotechnical support and led development of the soil survey and materials reports.
(05/15-08/17)	**U. S. Fish & Wildlife Service c/o Lindbergh & Associates, LLC, North Breton Island Restoration Plaquemines Parish, LA –** Geotechnical Engineer for geotechnical and laboratory testing services for the goal of compensating for habitat damages due to the Deepwater Horizon Oil Spill. The geotechnical investigation involved the acquisition and testing of soil borings in the project area and collection of grab samples within the existing fill areas. Thompson Engineering assisted in developing a draft geotechnical investigation work plan for review and approval. The work plan identified the number and location of borings, number of samples to be collected, laboratory testing procedures to be followed, and the number of specific laboratory tests to be performed. A total of 15 borings were determined to provide adequate information for the design of the 16,000-ft. long restoration. Thompson Engineering also assisted O'Brien & Gere in developing both a draft and final geotechnical data report to be presented to the U. S. Fish & Wildlife Service. Thompson also performed vibracore sampling at 26 locations in the borrow area for geotechnical and chemical contamination evaluation.

Firm employed by **Thompson Engineering, Inc.**					
Name	**Richard Sheffield, P.E.**			Years of relevant experience with this employer	12
Title	Senior Geotechnical Engineer/Subject Matter Expert			Years of relevant experience with other employer(s)	28
Degree(s) / Years / Specialization			BS/1981/Civil Engineering		
Active registration number / state / expiration date			37555/LA/03-31-2023; 9630/MS/12-31-2022; 30565/AL/12-31-2023; 44279/GA/12-31-2022		
Year registered	2012 (LA) 1985 (MS) 2009 (AL) 2019 (GA)	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Mr. Sheffield fulfills the Minimum Personnel Requirement for a LA Registered Professional Engineer, and will serve as both Principal and a Geotechnical Engineer with more than ten years of experience in responsible charge of geotechnical engineering projects.		

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).
(07/21-01/22)	**LADOTD I-10 Calcasieu River Bridge, Lake Charles, LA**- Senior Geotechnical Engineer for drilling, lab testing, and reporting effort in support of I-10 interstate modifications that include the realignment of I-10; the removal and addition bridges, on/off ramps, u-turns, and overpasses; as well as modifications and improvements to adjacent roadways. Thompson performed 46 soil borings ranging from 75 to 100 feet in depth.
(05/21-12/21)	**LADOTD Bayou Carron Bridge, St Landry Parish, LA**- Senior Geotechnical Engineer for drilling, CPT, lab testing, and reporting effort in support of the bridge replacement and road widening on LA-10 over Bayou Carron. Field effort consisted of two (2) borings and two (2) CPT soundings performed to 120 feet in depth.
10/17- ongoing	**MDOT, US 49 from Florence to Scales Area, Rankin County – Michael Baker International** This project is an 8-mile total reconstruction of US 49. Thompson Engineering is providing materials testing on all construction materials, stormwater compliance and monitoring, and pile driving analyzer (PDA) services. Mr. Sheffield is the project manager as well as the geotechnical and materials engineer for this project. He also provided pile recommendations from 25 PDA test piles performed at six bridge structures.
08/15 – 10/16	**MDOT, I-20 EB over I-55/US51 Hinds County– MDOT Geotechnical Branch** Sheffield was project manager and principal investigator for the geotechnical and foundation report of a proposed 1,820-ft long bridge at this interchange. He developed a boring program consisting of 19 borings from 50 to 100 feet in depth, as well as CPT soundings and shear wave velocity measurements. He assigned laboratory testing of the soil samples, and determined design capacities for the various foundation elements of the bridge. Finally, he authored a report which summarized findings, provided seismic design recommendations, and included recommendations for retaining wall construction.

06/15 - 07/15	**ALDOT, I-59/20 Superstructure Replacement (Bridge 15), Jefferson County, AL – ALDOT Bureau of Materials and Tests** Bridge 15 is one of several bridges that are a part of the Central Business District interstate reconstruction in Birmingham, Alabama. Mr. Sheffield performed the pile capacity analyses and authored the final geotechnical report which provided findings from the boring program, recommendations for pile lengths and capacities, and laboratory test results.
06/12 – 07/13	**MDOT, SR 33 at Homochitto River, Franklin County – MDOT Geotechnical Branch** This project consisted of a five-span bridge extension (600 feet). Mr. Sheffield supervised the drilling of four 160-foot borings and one 80-foot boring, and developed the laboratory-testing program. He performed all the axial capacity analyses for the drilled shaft and driven pile foundations, as well as determined the seismic response criteria to be used for the substructure design. Mr. Sheffield authored the final report, which included foundation recommendations, a subsurface soil profile, lab test results, capacity results, LPILE criteria, and boring logs.
10/11 - 06/12	**MDOT, SR 6 Centerline Soil Profile, Panola County – MDOT Geotechnical Branch** This assignment was to develop a centerline soil profile for the proposed by-pass of SR 6 around Batesville, MS. Sheffield set up a boring program consisting of 5000 linear feet of drilling soil borings, which covered about 7 miles of mixed terrain and vegetation. The soil samples were tested in the Thompson Engineering lab in Ridgeland, MS under the supervision of Mr. Sheffield. Upon completion of testing, Mr. Sheffield generated a final report containing lab test results, summary of existing conditions and recommendations for earthwork, slope stability analyses results, and a subsurface soil profile drawing.
12/09 - 01/10	**MDOT Bridges at the SR 601/I-10 Interchange, Harrison County – MDOT Geotechnical Branch** The client requested a preliminary geotechnical engineering report for 8 of the 21 bridges within a proposed interchange (phased construction poject). Using boring information and laboratory test results provided by MDOT, Mr. Sheffield generated subsurface soil profiles for each structure to be included in the final plans, and conducted foundation analyses for various foundation types. Driven piles (steel H and square concrete) and drilled shaft sizes up to 12 feet in diameter were analyzed for lateral and axial capacity within a given set of boundary conditions. Mr. Sheffield provided the soil profiles, capacity curves, and lateral analyses.

Firm employed by **Thompson Engineering, Inc.**					
Name	**Jay Davison, P.E.**		Years of relevant experience with this employer	16	
Title	Traffic Control Supervisor/CEI Manager		Years of relevant experience with other employer(s)	0	
Degree(s) / Years / Specialization			BS/2005/Civil Engineering		
Active registration number / state / expiration date			43010/LA/3-31-23; 31603/AL/12-31-23; 21128/MS/12-31-22; 124026/TX/6-30-22; Certified Bridge Inspector: AL 827		
Year registered	2018 (LA) 2010 (AL) 2013 (MS) 2016 (TX)	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Mr. Davison will serve as the Traffic Control Supervisor/CEI Manager for Thompson Engineering.		

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).
(01/19-Ongoing)	**ALDOT/City of Mobile, Zeigler Blvd Widening from Schillinger to Cody –** Served as Project Manager and Traffic Control Supervisor for this $7,000,000 Widening Project.
(07/19–07/20)	**ALDOT, I-65 Resurfacing from north of US-43 to just north of AL-225 –** Served as Project Manager and Traffic Control Supervisor for this $3,000,000 Resurfacing Project that included bridge raising at Lister Dairy Road.
(04/18–12/19)	**ALDOT, I-10 Resurfacing from Carol Plantation to just west of McDonald Road –** Served as Project Manager and Traffic Control Supervisor for this $5,000,000 Resurfacing Project.
(08/17–06/19)	**ALDOT, I-65 Resufacing from Main Street in Prichard to just north of AL-158 in Saraland** Served as Project Manager and Traffic Control Supervisor for this $9,000,000 Resurfacing Project.
(01/15–08/17)	**ALDOT, I-10 Resurfacing from the Bayway to Highway 59** – Served as Project Manager and Traffic Control Supervisor during construction of this $14,000,000 Resurfacing Project.
(02/14–06/16)	**ALDOT, I-10 Resurfacing from Rangeline Road to the Tunnel –** Served as Project Manager and Traffic Control Supervisor during construction of this $14,000,000 Resurfacing Project.
(10/14-02/15)	**ALDOT, 3 Mile Rd. & Huxford Rd. Resurfacing Escambia County, AL ATRIP** Served as Project Manager and Traffic Control Supervisor during construction of these Resurfacing Projects.
(07/13-11/15)	**ALDOT, I-65 Service Road Relocation and SR-158 Improvements Saraland, AL ATRIP** Served as Project Manager and Traffic Control Supervisor during construction of this $5,000,000 Grade, Drain, Base, Pave and Signal Project.

Firm employed by **Thompson Engineering, Inc.**					
Name	**Ali Shahi, E.I.**		Years of relevant experience with this employer	1	
Title	Project Engineer		Years of relevant experience with other employer(s)	12	
Degree(s) / Years / Specialization			PhD Studies Geotechnical/Structural Engineering, Louisiana State University MSc/2009 Structural Engineering- BSc/2006 Civil Engineering		
Active registration number / state / expiration date			#72511/TX/2023 LA (PE Application Pending)		
Year registered	Pending	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Mr. Shahi will serve as a Project Engineer / Task Manager		

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).
(09/21–01/22)	**I-10 Calcasieu River Bridge , Lake Charles, Louisiana LADOTD Project No.: H.003931** – Geotechnical Project Engineer. The project is 6.3 miles, located along I-10. Scope included subsurface investigation in support of interstate modifications and adjacent roadways. Responsibilities Includes field reconnaissance and coordination, field exploration program oversight, laboratory testing and log production review.
(04/22–in progress)	**Camile Road Over Bayou Grand Marais Vermilion Parish, Louisiana LADOTD Project No H.014223**– Geotechnical Project Engineer. The project site is located on Camile Road in the southwest portion of Vermilion Parish, LA. The existing bridge (recall no. 300037) consists of two (2) spans totalling to 47 feet in length crossing Bayou Grand Marais near Sham's Road.Responsibilities Includes: laboratory testing and log production review. Geo-technical Data documentation and reporting.
(09/20–03/21)	**Bonnabel Blvd Pavement and Roadway Improvement Project–I-10 Section Metairie, Louisiana Jefferson Parish Public Works Project No.: 2020-024-RB** - Project Manager/ Geotechnical Engineer (Intertek PSI) Project consisted of Pavement and subgrade Investigation of approximately 5000 Linear Feet of roadway and Geotechnical Analysis and recommendations for mill and overlay. Responsibilities included field exploration planning and management. temporary traffic control planning and permit application and pavement and subgrade analysis.
(03/21–08/21)	**TxDOT I-69 Highway Improvement Project (NHHIP Seg No.3) Houston, Texas_** Geotechnical Engineer (Intertek PSI) .Project is 6200 linear feet of roadway and includes widening of highway IH-69 and re-construction of retaining walls. Responsibilities included quality control of the field exploration programs and traffic control layout and planning and geo technical reports
(12/21–03/22)	**Plank Road Realignment Project, City of Baton Rouge/Parish of East Baton Rouge Department of Public Works; Baton Rouge, LA** - Project Engineer for the Runway 13/31 Safety Area/RPZ Improvements, a project that involved the re-alignment of LA 67 (Plank Road) that will provide the required Safety Area that is necessary for Runway 13/31. The existing traffic along Plank Road will be re-routed on LA 408 to the new intersection of LA 67 and LA 408. Responsibilities included pavement design review/ construction recommendation. Subgrade preparation/Proof roll oversight.

Firm employed by **Thompson Engineering, Inc.**					
Name	**Jamie Blanton, P.E.**			Years of relevant experience with this employer	7
Title	Senior Geotechnical Engineer			Years of relevant experience with other employer(s)	10 @ LADOTD
Degree(s) / Years / Specialization			BS/2002/Chemical Engineering		
Active registration number / state / expiration date			PE0035091/LA/3-31-24; 35026/AL/12-31-23; 46654/GA/12-31-22; 21046/MS/12-31-22; 49867/NC/12-31-22; 118158/TN/5-31-23; PE17977/WY/12-31-23		
Year registered	2009 (LA) 2015 (AL) 2020 (GA) 2010 (MS) 2020 (NC) 2015 (TN) 2020 (WY)	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Mr. Blanton will serve as a Senior Geotechnical Engineer for Thompson Engineering.		

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).
(07/21-01/22)	**LADOTD I-10 Calcasieu River Bridge, Lake Charles, LA**- Senior Geotechnical Engineer for drilling, lab testing, and reporting effort in support of I-10 interstate modifications that include the realignment of I-10; the removal and addition bridges, on/off ramps, u-turns, and overpasses; as well as modifications and improvements to adjacent roadways. Thompson performed 46 soil borings ranging from 75 to 100 feet in depth.
(08/05–04/15)	**LADOTD, Numerous Locations, District 58 (Caldwell, Catahoula, Concordia, Franklin, LaSalle and Tensas Parishes)** – Worked in all phases of preliminary scoping and inspection, plan development, construction and bid item specification association, preconstruction committee meetings, construction quality assurance and quantity tabulation, and project completion construction audits for all new construction, rehabilitation, and maintenance projects on city, parish and state owned bridges and roadway assets in the above parishes. Oversaw the testing and suitability determination for all materials and special applications incorporated into State highway and bridge maintenance and construction projects. Served as material expert for recommendations on shallow soils surveys, pavement designs, surfacing selections, and pavement rehabilitation methods.
(01/22–05/22)	**Tyndall AFB Rebuild Program, Panama City, FL** – Provided support for $3.5B Tyndall rebuild program through the Construction Support Section as Geotechnical SME. Reviewed design submittal and construction of

	surcharge, deep subgrade improvements and environmental soil and groundwater management plans for all zones across base.
(09/18–02/20)	**TN Dept of Veterans Affairs, Veterans Home EA and Geotechnical Assessment, Cleveland, TN** – Coordinated survey and drilling layout and collected and logged all samples from foundation investigation for the construction of structures and improvements for a new Veteran's home including several apartment type housing structures and a large central meeting center with cafeteria and supporting offices.
(04/18–12/18)	**Chattanooga Fallen Five Memorial Geotechnical and Civil Consulting, Riverpark Chattanooga, TN** – Worked with City officials and public art installation consultants to provide geotechnical investigation and design, structural foundation recommendations and civil design including floodway planning, water quality buffer and layout services.
(06/16–08/18)	**Arnold Air Force AEDC Multiple Projects, Tullahoma, TN 2018** – Engaged in work ranging from site wide runoff and detention estimation for dam seepage monitoring and breach analysis, traffic safety assessment along Wattendorf highway, security layout and design for main gate entrance modification, heavy utility potable water and fire protection service replacement design, and numerous facility site modifications including survey, utility, grading, and surface improvements.

Firm employed by **Thompson Engineering, Inc.**					
Name	**Chris LaFroscia, P.E.**		Years of relevant experience with this employer	7	
Title	Project Geotechnical Engineer		Years of relevant experience with other employer(s)	7	
Degree(s) / Years / Specialization			BS/2008/Civil Engineering		
Active registration number / state / expiration date			37558/AL/12-31-23; 86164/FL/2-28-23; 31066/MS/12-31-22		
Year registered	2018 (AL) 2018 (FL) 2020 (MS)	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Mr. LaFroscia will serve as Project Geotechnical Engineer for Thompson Engineering.		

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).
11/19-Ongoing	**Louisiana National Guard Armed Forces Reserve Center, New Entrance Road to Highway 30 –** Thompson Engineering, Inc. (TEI) was selected by Louisiana Facility Planning & Control to prepare construction plans for the new entrance road for the existing Armed Forces Reserve Center building. The new roadway will be a two-lane boulevard with subsurface drainage, sidewalks, and street lighting. TEI is performing the topographic survey, roadway design, drainage design, geotechnical investigations, traffic impact, and construction oversight TEI performed the topographic survey, civil engineering, and construction oversight for this project. Mr. LaFroscia serves as Geotechnical Engineer on this project. Cost: $120,395.00
(01/19–02/19)	**City of Baton Rouge, Plank Road Realignment Pavement Design, Baton Rouge, Louisiana –** Geotechnical Engineer for the Runway 13/31 Safety Area/RPZ Improvements which involves the re-alignment of LA 67 (Plank Road). The relocated portion of Plank Road will be approximately 3,150 feet and will be a four-lane roadway. Services provided pavement design, foundation recommendation design for both traffic signal poles and light poles.
(02/09 – 5/13)	**U.S. Army Corps of Engineers, Lake Pontchartrain and Vicinity Hurricane Protection, New Orleans East Levee, Louisiana** – Geotechnical Engineer for the LPV 109.02a hurricane protection system from South Point to CSX Railroad in Orleans Parish in Southeast Louisiana between the Mississippi River and Lake Pontchartrain. The purpose of the project was to raise the levee to elevations as high as +25 feet. The levee project is 39,452-feet in length and was reinforced with high strength geotextiles while promoting consolidation of the subsoils using wick drains. Long-term monitoring will be achieved through electronic geotechnical instrumentation.
(05/15 – 09/19)	**U.S. Army Corps of Engineers, Southeast Louisiana Urban Flood Control Project, Orleans District, Louisiana –** Geotechnical Engineer for the widening of Florida Avenue from Mazant Street to St. Ferdinand Street in Orleans Parish. Thompson Engineering installed 64 vibrating wire piezometers and 5 inclinometers along the roadway as well as performed slope stability analyses for the excavations.

(05/11 – 05/12	**U.S. Army Corps of Engineers, Southeast Louisiana Urban Flood Control Project, Orleans District, Louisiana –** Geotechnical Engineer for the drainage improvements to Louisiana Avenue from Constance Street to South Claiborne Avenue in Orleans Parish. Because of the large number of utilities in the area and high traffic along the project right-of-way, a traffic control plan for drilling of the four lane roadway was required. A total of 34 soil test borings were performed to depths of ten and 75-feet. Thompson's field geotechnical laboratory was utilized for much of the soil analysis.
(08/16 – 01/18)	**Plains All American, Plaquemines Parish, Venice, Louisiana –** Geotechnical Engineer for multiple projects involving repair or replacement of equipment within the Louisiana levee system alignment. Historical subsurface information was reviewed and utilized to perform site specific bearing capacity and slope stability analyses. Letters of no objection (LONO) were submitted by Thompson to the Levee District, CPRA, and U.S. Army Corps of Engineers with the analyses results to gain approval for the projects.

Firm employed by **Kenall Inc.**					
Name	**Rajesh Tolikonda, PE**		Years of relevant experience with this employer	11	
Title	Geotechnical Engineer		Years of relevant experience with other employer(s)	12	
Degree(s) / Years / Specialization			MS/2010/Civil Engineering		
Active registration number / state / expiration date			PE.0043394/LA/9-30-23; 37558/AL/12-31-23; 86164/FL/2-28-23; 31066/MS/12-31-22		
Year registered	2019 (LA) 2019 (LA) 2018 (TX) 2020 (MS)	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibility			Mr. Tolikonda will serve as Project Geotechnical Engineer for Kenall 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).
(06/18-07/20)	**Preliminary Engineering, Mandeville Bypass Road, St. Tammany Parish, LA-** Geotechnical Engineer for the geotechnical investigation and laboratory testing for the design of a new Bypass Road between U 190 and LA 1088. The 2.5-mile road provides additional access to Pelican Park and relieves traffic at US 190-LA 22 interchange in Mandeville. The Bypass has five (5) bridge/culvert and on grade pavement.
(01/17 – 03/22)	**Geotechnical Engineering Services for Mounes Subsurface Drainage Improvements, New Orleans, LA–** Geotechnical Engineer for the subsurface drainage improvements on Mounes Street from Clearview Parkway to Dickory Avenue. Scope includes geotechnical investigation, laboratory testing, analyses and recommendations.
(06/19 – 09/20)	**Blue and Green Corridor Improvements, New Orleans, LA** – Geotechnical Engineer for the design of major boulevards into network of canals, lift station, arks, channels, culverts, and green infrastructure. Improvements include stormwater storage and infiltration systems, linear parks, complete streets, road diets, and water monitoring stations. Scope includes geotechnical investigation, laboratory testing services, engineering analysis and construction recommendations.
(05/17 – 11/19)	**RTA Canal Street Ferry Terminal investigation, New Orleans, LA–** Geotechnical Engineer for Canal Street Ferry Terminal Building and associated improvements. Project consists of construction of new ferry terminal with loading ramp and other supporting structures. The project includes performing geotechnical investigations including four CPT soundings and five SPT borings up to depths of about 120 feet below the existing grade.
(05/16 – 03/17)	**Bank Stability along Bayou St. John, New Orleans, LA –** Geotechnical Engineer for the design and analysis of the stock piled dirt located approximately 1100 ft. along the banks of Bayou St. John. Scope included drilling of limited number of soil borings at selected locations to evaluate the subsurface stratigraphy and groundwater conditions, performing pertinent laboratory tests as per prescribed ASTM standards and local practice to evaluate the physical and engineering properties of subsurface soils, providing geotechnical design parameters for use in slope stability analysis for the existing banks of Bayou St. John and, as well as providing guidelines for earthwork, recommendations for erosion control, site and subgrade preparation.

Firm employed by **Thompson Engineering, Inc.**					
Name	**Brad Busby, P.L.S**		Years of relevant experience with this employer	22	
Title	Survey Manager		Years of relevant experience with other employer(s)	1	
Degree(s) / Years / Specialization			BS/2000/Geomatics and Environmental Science		
Active registration number / state / expiration date			Professional Land Surveyor: 5090/LA/9-30-2022; 26951/AL/XXXX; LS 6701/FL/XXXX; 3077/MS/XXXX; 6551/TX/XXXX		
Year registered	2018 (LA) 2019 (AL) 2019 (FL) 2020 (MS)	Discipline	Land Surveyor		
Contract role(s) / brief description of responsibilities			Mr. Busby will serve as Lead Survey Manager for this contract.		

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).
(07/21-01/22)	**LADOTD I-10 Calcasieu River Bridge, Lake Charles, LA**- Lead Surveyor for drilling, lab testing, and reporting effort in support of I-10 interstate modifications that include the realignment of I-10; the removal and addition bridges, on/off ramps, u-turns, and overpasses; as well as modifications and improvements to adjacent roadways. Thompson performed 46 soil borings ranging from 75 to 100 feet in depth.
(05/21-12/21)	**LADOTD Bayou Carron Bridge, St Landry Parish, LA**- Lead surveyor for drilling, CPT, lab testing, and reporting effort in support of the bridge replacement and road widening on LA-10 over Bayou Carron. Field effort consisted of two (2) borings and two (2) CPT soundings performed to 120 feet in depth.
(09/15–08/18)	**ALDOT Mobile River Bridge & Bayway, Mobile, AL**- Lead Surveyor for a project to improve the capacity of an 11-mile section of I-10. The geotechnical portion of the project involved preliminary investigation and foundation selection for the west high level structure, field exploration, laboratory testing, and geotechnical design. The field exploration involved over 24,000 feet of SPT and undisturbed sample, mud rotary drilling along the project corridor along with cone penetrometer testing. Over 100 borings were completed.
11/19-Ongoing	**Louisiana National Guard Armed Forces Reserve Center, New Entrance Road to Highway 30 –** Thompson Engineering, Inc. (TEI) was selected by Louisiana Facility Planning & Control to prepare construction plans for the new entrance road for the existing Armed Forces Reserve Center building. The new roadway will be a two-lane boulevard with subsurface drainage, sidewalks, and street lighting. TEI is performing the topographic survey, roadway design, drainage design, geotechnical investigations, traffic impact, and construction oversight TEI performed the topographic survey, civil engineering, and construction oversight for this project. Mr. Pitts serves as Chief Driller on this project. Cost: $120,395.00

Firm employed by **Thompson Engineering, Inc.**					
Name	**Justin Fancher, P.G.**			Years of relevant experience with this employer	15
Title	Concrete and Soils Lab Manager			Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			BS/2008/Geology		
Active registration number / state / expiration date			Professional Geologist: 1371/AL/2-28-2024; ADEM Qualified Credential Inspector (QCI) #T1572; ACI Certification #01172758		
Year registered	2014 (AL)	Discipline	Geology		
Contract role(s) / brief description of responsibilities			Mr. Fancher fulfills the Minimum Personnel Requirement for at least one (1) laboratory manager with a minimum of five (5) years' experience in geotechnical laboratory testing. He Laboratory Manager for Thompson.		

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).
(07/21-01/22)	**LADOTD I-10 Calcasieu River Bridge, Lake Charles, LA**- Lab Manager for drilling, lab testing, and reporting effort in support of I-10 interstate modifications that include the realignment of I-10; the removal and addition bridges, on/off ramps, u-turns, and overpasses; as well as modifications and improvements to adjacent roadways. Thompson performed 46 soil borings ranging from 75 to 100 feet in depth.
(05/21-12/21)	**LADOTD Bayou Carron Bridge, St Landry Parish, LA**- Lab Manager for drilling, CPT, lab testing, and reporting effort in support of the bridge replacement and road widening on LA-10 over Bayou Carron. Field effort consisted of two (2) borings and two (2) CPT soundings performed to 120 feet in depth.
(11/10-11/19)	**Multiple Offshore Geotechnical projects, Sample Logging and Testing** – These projects consist of off-shore field activities, lab work, and geotechnical reports. Mr. Fancher has worked offshore with multiple roles, including observing and assisting the drillers while performing the borings, coordination and sample preservation, and logging the samples. He has also worked on the geotechnical reports and assisted in the analysis process. Most recently, he has been in charge of the geotechnical laboratory. His role in the lab is included, but not limited to, coordination and scheduling to meet the expedited turnaround time required, over-seeing the testing of the samples, helping perform the testing as needed, review of all test data, and billing for all test completed on these projects.
(02/14 - 12/16)	**Alabama Department of Transportation (ALDOT), I-10 Texas Street Modifications, Mobile, AL** Field Geologist for design and environmental services for the modification of the interchange geometry on I-10 from Texas Street to the west entrance of the Wallace tunnel in Mobile, Alabama. The roadway is currently a four-to-six lane elevated interstate that requires reconfiguration to improve safety conditions near the west tunnel entrance and exit. Thompson Engineering is responsible for the design of the horizontal alignment, vertical profiles, typical sections, drainage design, maintenance of traffic plans, signing and marking plans, erosion control plans, earthwork cross-sections, NEPA documentation and obtaining corridor approval, field surveys, and bridge plans. Contract value: $1,200,000.

(01/08–12/20)	**Alabama Department of Transportation (ALDOT) Hazardous Materials Services, Statewide, AL** Field Geologist for multiple assessments of sites containing hazardous waste and/or underground storage tanks and prepare cost estimates and recommendations for clean-up of those sites in accordance with all Federal, State, and Local laws, including approval from the Alabama Department of Environmental Management. Thompson personnel performed soil and groundwater sampling and applied analytical methods to quantify contaminants, and provided recommendations and remediation alternatives to include both soil and groundwater clean-up and the cost associated with each. Contract value: $3,000,000.
(09/15–08/18)	**Alabama Department of Transportation (ALDOT), I-10 Mobile River Bridge and Bayway Project, Mobile/Baldwin County, AL** Field Geologist for the modification of the interchange at the Wallace Tunnel and the new bridge on I-10 approaching downtown Mobile and crossing the Mobile River and Mobile Bay. The 11 mile, six-lane bridge segment includes a ½ mile cable-stayed bridge section with a 215 feet air draft clearance over the Mobile River channel, high level approach bridges to relieve congestion through the I-10 George Wallace Tunnel and 7 miles of Bayway bridges capable of resisting high storm surge. The scope includes landbased, shallow and deep draft marine areas. The estimated cost for the project is $1.8-billion.
(10/13–03/14)	**SCDOT I-95/US Route 301 Interchange and US Route 301 Connector to SC Route 6, Orangeburg County, SC** Field Services for the US 301 extension which begins at station just east of the intersection of US 301 and Bonner Avenue and proceeds east through the interchange with I-95 to SC-6 with a planned length of approximately 2.3 miles. The partial cloverleaf and full diamond ramp design will allow the I-95/US 301 interchange to provide full access to and from the I-95 interstate. In addition, three new bridges will be constructed along the project alignment . Estimated construction cost: $30,925,000.
(06/09–12/09)	**ALDOT Schillinger Road from Howell's Ferry to US 98, Mobile, AL** Field Geologist for a project involving proposed lane additions, for an approximate length of 3.5 miles. The scope of work included expanding the existing two lane road to four lanes with a turning lane. The roadway expansion included construction of a new bridge over an existing railroad track, four (4) retaining walls at various locations along the alignment, and additional/replacement culverts. The proposed bridge was a single span structure, 125 feet in length. Two (2) of the four (4) retaining walls were constructed at the abutments. Fee: $219,732.

Firm employed by **Thompson Engineering, Inc.**					
Name	**W. Don Craft**		Years of relevant experience with this employer	11	
Title	Laboratory Manager		Years of relevant experience with other employer(s)	17	
Degree(s) / Years / Specialization			General Studies		
Active registration number / state / expiration date			NICET: Soils Level II, Concrete Level II, Asphalt Level II ACI: Concrete Strength Testing Technician / 06-06-2023 Concrete Laboratory Testing Technician Level I / 06-06-2023 Field Testing Technician Grade I / 10-05-2026 Aggregate Testing Technician Level I / 02-22-2027		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Mr. Craft fulfills the Minimum Personnel Requirement for at least one (1) laboratory manager with a minimum of five (5) years of experience in geotechnical laboratory testing. Mr. Craft will serve as the Laboratory Manager for Thompson.		

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).
(07/21-01/22)	**LADOTD I-10 Calcasieu River Bridge, Lake Charles, LA**- Lab Manager for drilling, lab testing, and reporting effort in support of I-10 interstate modifications that include the realignment of I-10; the removal and addition bridges, on/off ramps, u-turns, and overpasses; as well as modifications and improvements to adjacent roadways. Thompson performed 46 soil borings ranging from 75 to 100 feet in depth.
(05/21-12/21)	**LADOTD Bayou Carron Bridge, St Landry Parish, LA**- Lab Manager for drilling, CPT, lab testing, and reporting effort in support of the bridge replacement and road widening on LA-10 over Bayou Carron. Field effort consisted of two (2) borings and two (2) CPT soundings performed to 120 feet in depth.
(10/17–ongoing)	**US 49 from Florence to Scales Area, Rankin County – Michael Baker International-** Mr. Craft is serving as the Materials Laboratory Manager for an 8-mile total reconstruction of US 49 project. Thompson is providing materials testing on all construction materials, stormwater compliance and monitoring, and pile driving analyzer (PDA) services. Mr. Craft is the laboratory manager performing lab and field testing, as well as the personnel supervisor for this project.
(08/15–10/16)	**MDOT, I-20 EB over I-55/US51, Hinds County- MDOT Geotechnical Branch-** Mr. Craft served as lab manager for the geotechnical and foundation report of a proposed 1,820-ft long bridge at this interchange. The project consisted of 19 borings from 50 to 100 feet in depth. Mr. Craft performed all geotechnical laboratory testing and reporting of the soil samples.
(07/13–04/16)	**MDOT, I-269 QA Materials Testing, Marshall County – MDOT Materials Division-** Mr. Craft served as project field and lab manager, which consisted of construction materials testing for MDOT in a quality assurance role on a large design/build road construction project. This included conducting the soils testing necessary to

	perform field densities (proctors), and checking gradations, plasticity indices, and shrinkage limits. He also performed plastic concrete testing (air, slump, and temperature) as well as proper handling of concrete cylinders for subsequent compression testing. Mr. Craft performed field and laboratory testing, reviewed all testing reports to insure compliance with MDOT's materials testing SOP's, and managed testing personnel.
(02/09-06/11)	**New Orleans, LA, Gillen Engineering-** Managed construction materials testing laboratory, coordinated field operations, conducted geotechnical soil boring investigations, and provided construction materials sampling and testing for the following project locations: Federal City Garage at the Naval Support Center, New Orleans, LA; Bywater Art Lofts New Orleans, LA; and Blue Plate Building Renovation New Orleans, LA.

Firm employed by **Thompson Engineering, Inc.**					
Name	**Chris Dugger**		Years of relevant experience with this employer	10	
Title	Drilling Manager		Years of relevant experience with other employer(s)	0	
Degree(s) / Years / Specialization			BS/2011/Civil Engineering		
Active registration number / state / expiration date			ACI Certification – Concrete Field Technician, NICET		
Year registered	N/A	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Mr. Dugger will serve as the Drilling Manager for Thompson Engineering.		

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).
(07/21-01/22)	**LADOTD I-10 Calcasieu River Bridge, Lake Charles, LA**- Drilling Manager for drilling, lab testing, and reporting effort in support of I-10 interstate modifications that include the realignment of I-10; the removal and addition bridges, on/off ramps, u-turns, and overpasses; as well as modifications and improvements to adjacent roadways. Thompson performed 46 soil borings ranging from 75 to 100 feet in depth.
(05/21-12/21)	**LADOTD Bayou Carron Bridge, St Landry Parish, LA**- Drilling Manager for drilling, CPT, lab testing, and reporting effort in support of the bridge replacement and road widening on LA-10 over Bayou Carron. Field effort consisted of two (2) borings and two (2) CPT soundings performed to 120 feet in depth.
04/19-10/19	**Shoreline Protection At Jean Lafitte National Historical Park and Preserve, Marrero, LA –** Mr. Dugger served as the Drilling Manager for the restoration of 50 acres of submerged aquatic vegetation (SAV) injured during response activities for the Deepwater Horizon (DWH) Oil Spill in proximity to the Jean Lafitte National Historical Park and Preserve (JELA) shoreline of Lake Cataouatche. Thompson, while teamed with Stantec, had the responsibility to perform geotechnical drilling, sampling and laboratory testing for 30 borings performed in a shallow water and marsh environment. Included in Thompson's responsibilities was obtaining the permitting from the National Park Service (NPS) and US Army Corps of Engineers to perform the field work.
09/15–08/18	**ALDOT Mobile River Bridge & Bayway, Mobile, AL -** Mr. Dugger served as the field and lab coordinator for a project located in Mobile AL which included geotechnical investigation design portions of the proposed new bridge. The project involves a new bridge spanning the Mobile River, and an expansion of the existing 8-mile bayway. The project included over 35,000 linear feet of drilling and associated lab testing and reporting. Mr. Dugger coordinated field crews and provided support as they executed this project. Mr. Dugger facilitated the completion of the laboratory work as well as providing oversight and coordination of all field crews and drilling activates both landside and marine.
03/17–08/17	**TDOT I-24 Interchange at SR 2 (Broad Street) and SR 58 (Market Street), Chattanooga, TN - Mr**. Dugger served as the drilling coordinator for a project located at the intersection of I-24SR and SR58 in Chattanooga TN. This project consisted of field, laboratory and engineering services for multiple bridge crossings and retaining wall areas along the route. Thompson Engineering performed the drilling and laboratory operations for this work in general accordance with all TDOT and FHWA guidelines and Geotechnical design standards. Mr.

	Dugger coordinated field crews and provided support as they executed this project. Field crews for this project included both Thompson drilling teams, and additional local subcontract units. Mr. Dugger facilitated the completion of the laboratory work as well as providing oversight and data review
06/15 - 07/15	**ALDOT Central Business District I-59 / I-20 Superstructure Replacement – Birmingham, AL -** Mr. Dugger served as Geotechnical Engineering Associate / Assistant Laboratory Supervisor for the CBD SuperStructure Project. The overall project involved multiple bridges, retaining walls, and new roadway for ramps, entrances and exits. Thompson Engineering's responsibility involved Bridge 14 (approximately 2,000 feet in length), Bridge 15 (approximately 1,050 feet in length), and Bridges 24, 25 and 32 widenings. Thompson also prepared a retaining wall report for retaining wall #16.
09/13–12/13	**SCDOT I-95/US Route 301 Interchange and US Route 301 Connector to SC Route 6, Orangeburg County, SC-** Mr. Dugger served as the drilling coordinator for a project located at the intersection of I-95 and US 301 and extending to SC Route 6 in Orangeburg County, South Carolina. As a sub-consultant to Civil Engineering Consulting Services (CECS), Thompson Engineering performed the drilling and laboratory operations for this work in general accordance with the SCDOT Geotechnical Development Manual. Mr. Dugger coordinated field crews and provided support as they executed this project. Mr. Dugger facilitated the completion of the laboratory work as well as providing oversight and data review.
10/14–09/15	**SCDOT I-85 / I-385 Interchange Modifications Greenville, SC -** Mr. Dugger served as a Geotechnical Engineering Associate / Assistant Laboratory Supervisor. Contract Value: $1.05M. The design build project involved the construction of multiple bridges and retaining walls. Thompson's services include field subsurface exploration and soils laboratory testing programs for a Geotechnical Subsurface Data Report (GSDR). The field exploration included over 281 soil/rock borings culminating in over 13,000 feet of drilling.

Firm employed by **Thompson Engineering, Inc.**				
Name	**Stan White**		Years of relevant experience with this employer	14
Title	Chief Driller		Years of relevant experience with other employer(s)	20
Degree(s) / Years / Specialization			General Studies/1988/N/A	
Active registration number / state / expiration date			State Drilling Licenses: WWC-712/ LA/ 06-30-2022	
Year registered	AL – 2013 MS – 2014 LA – 2015 NC – 2018	Discipline	N/A	
Contract role(s) / brief description of responsibilities			Mr. White fulfills the Minimum Personnel Requirement for at least one (1) field crew driller/supervisor with a minimum of ten (10) years of experience; with at least five (5) years demonstrated within the state of Louisiana. Mr. White will serve as Chief Driller and Drill Crew Supervisor for this contract.	

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).
(07/21-01/22)	**LADOTD I-10 Calcasieu River Bridge, Lake Charles, LA**- Chief Driller for drilling, lab testing, and reporting effort in support of I-10 interstate modifications that include the realignment of I-10; the removal and addition bridges, on/off ramps, u-turns, and overpasses; as well as modifications and improvements to adjacent roadways. Thompson performed 46 soil borings ranging from 75 to 100 feet in depth.
(05/21-12/21)	**LADOTD Bayou Carron Bridge, St Landry Parish, LA**- Chief Driller for drilling, CPT, lab testing, and reporting effort in support of the bridge replacement and road widening on LA-10 over Bayou Carron. Field effort consisted of two (2) borings and two (2) CPT soundings performed to 120 feet in depth.
(01/11-06/14)	**US Army Corps of Engineers (USACE), Southeast Louisiana Urban Flood Control Project, Orleans Parish, LA –**This project consisted of drainage improvements to Louisiana Avenue from Constance Street to South Claiborne Avenue in Orleans Parish. The challenge of this project was the large number of utilities in the area and high traffic along the project right-of-way. A traffic control plan for drilling of the four lane roadway was required. A total of 34 soil test borings were performed to depths of ten and 75-feet. Mr. White served as Chief Driller for the geotechnical site investigation.
(011/14–Ongoing)	**Confidential Client: Multiple Offshore Geotechnical projects - Pile design and Spudcan analysis multiple offshore locations** - Mr. White served as the Chief Driller for a confidential client on projects that consisted of off-shore field activities, lab work, and geotechnical reports. Mr. White was involved in each of these projects over the past 6 years. He has worked offshore with multiple roles, including observing and assisting the drillers while performing the borings, coordination and sample preservation, and logging the samples.

(01/17–06/19)	**CCJV Cameron LNG, Geotech / Foundation and Surge Wall Design, Hackberry, LA –** Mr. White was the Chief Driller for the expansion of an existing LNG import terminal including the construction of three liquefaction trains. Drilling and sampling led to engineering analyses, including an evaluation of drilled displacement piles including axial and lateral pile capacities, settlement and time-rate analyses, bulkhead analyses, slope stability analyses, soil stabilization, surcharge and wick drain installation recommendations.
(11/15–10/18)	**ALDOT Mobile River Bridge & Bayway, Mobile, AL -** Mr. White served as the Chief Driller for a project located in Mobile AL which and includes geotechnical investigation design portions of the proposed new bridge. The project involves a new bridge spanning the Mobile River, and an expansion of the existing 8-Mile bayway. The project included over 35,000 linear feet of drilling and associated lab testing and reporting.
(06/18–10/18)	**ALDOT I-10 Interchange Modifications, Mobile, AL -** Mr. White served as the Chief Driller for geotechnical consulting services for the modification of the interchange on I-10 from Texas Street to the west entrance of the Wallace tunnel in Mobile, Alabama. The roadway is currently a four-to-six lane elevated interstate that requires reconfiguration to improve safety conditions near the west tunnel entrance and exit. This project will require a realignment of I-10, new bridges, diverging diamond interchange (the first in Alabama), entrance/exit ramps, and contiguous city streets.
(02/14–12/14)	**SCDOT I-95/US Route 301 Interchange and US Route 301 Connector to SC Route 6, Orangeburg County, SC -** Mr. White served as the Chief Driller for a project located at the intersection of I-95 and US 301 and extending to SC Route 6 in Orangeburg County, South Carolina. As a sub-consultant to Civil Engineering Consulting Services (CECS), Thompson performed the drilling and laboratory operations for this work in general accordance with the SCDOT Geotechnical Development Manual.

Firm employed by **Thompson Engineering, Inc.**					
Name	**Phillip Pitts**		Years of relevant experience with this employer	11	
Title	Chief Driller		Years of relevant experience with other employer(s)	35	
Degree(s) / Years / Specialization			Professional Training		
Active registration number / state / expiration date			State Drilling Licenses: 11035/FL/07-31-23; 4437-A/NC/06-08-22; 1121/TN/07-31-22 136905/NGWA		
Year registered	1995 (FL) 2018 (NC) 2019 (TN) 2014 (NGWA)	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Mr. Pitts fulfills the Minimum Personnel Requirement for at least one (1) field crew driller/supervisor with a minimum of ten (10) years of experience; with at least five (5) years demonstrated within the state of Louisiana. Mr. Pitts will serve as Chief Driller for this contract.		

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).
(07/21-01/22)	**LADOTD I-10 Calcasieu River Bridge, Lake Charles, LA**- Chief Driller for drilling, lab testing, and reporting effort in support of I-10 interstate modifications that include the realignment of I-10; the removal and addition bridges, on/off ramps, u-turns, and overpasses; as well as modifications and improvements to adjacent roadways. Thompson performed 46 soil borings ranging from 75 to 100 feet in depth.
(05/21-12/21)	**LADOTD Bayou Carron Bridge, St Landry Parish, LA**- Chief Driller for drilling, CPT, lab testing, and reporting effort in support of the bridge replacement and road widening on LA-10 over Bayou Carron. Field effort consisted of two (2) borings and two (2) CPT soundings performed to 120 feet in depth.
11/19-Ongoing	**Louisiana National Guard Armed Forces Reserve Center, New Entrance Road to Highway 30 –** Thompson Engineering, Inc. (TEI) was selected by Louisiana Facility Planning & Control to prepare construction plans for the new entrance road for the existing Armed Forces Reserve Center building. The new roadway will be a two-lane boulevard with subsurface drainage, sidewalks, and street lighting. TEI is performing the topographic survey, roadway design, drainage design, geotechnical investigations, traffic impact, and construction oversight TEI performed the topographic survey, civil engineering, and construction oversight for this project. Mr. Pitts serves as Chief Driller on this project. Cost: $120,395.00
(011/14–Ongoing)	**Confidential Client: Multiple Offshore Geotechnical projects - Pile design and Spudcan analysis multiple offshore locations** - Mr. Pitts served as the Chief Driller for a confidential client on projects that consisted of off-shore field activities, lab work, and geotechnical reports. Mr. Pitts was involved in each of these projects

	over the past 6 years. He has worked offshore with multiple roles, including observing and assisting the drillers while performing the borings, coordination and sample preservation, and logging the samples.
(11/15–10/18)	**ALDOT Mobile River Bridge & Bayway, Mobile, AL -** Mr. Pitts served as the Chief Driller for a project located in Mobile AL which and includes geotechnical investigation design portions of the proposed new bridge. The project involves a new bridge spanning the Mobile River, and an expansion of the existing 8-Mile bayway. The project included over 35,000 linear feet of drilling and associated lab testing and reporting.
(01/17–06/19)	**CCJV Cameron LNG, Geotech / Foundation and Surge Wall Design, Hackberry, LA –** Mr. Pitts was the Chief Driller for the expansion of an existing LNG import terminal including the construction of three liquefaction trains. Drilling and sampling led to engineering analyses, including an evaluation of drilled displacement piles including axial and lateral pile capacities, settlement and time-rate analyses, bulkhead analyses, slope stability analyses, soil stabilization, surcharge and wick drain installation recommendations.
(06/18–10/18)	**ALDOT I-10 Interchange Modifications, Mobile, AL -** Mr. Pitts served as the Chief Driller for geotechnical consulting services for the modification of the interchange on I-10 from Texas Street to the west entrance of the Wallace tunnel in Mobile, Alabama. The roadway was a four-to-six lane elevated interstate that required reconfiguration to improve safety conditions near the west tunnel entrance and exit. This project required a realignment of I-10, new bridges, diverging diamond interchange (the first in Alabama), entrance/exit ramps, and contiguous city streets.

Firm employed by **Thompson Engineering, Inc.**				
Name	**Randall Odom**		Years of relevant experience with this employer	7
Title	Chief Driller		Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization			General Studies/1988/N/A	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			Mr. Odom fulfills the Minimum Personnel Requirement for at least one (1) field crew driller/supervisor with a minimum of ten (10) years of experience; with at least five (5) years demonstrated within the state of Louisiana. Mr. Odom will serve as Chief Driller for this contract.	

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).
(07/21-01/22)	**LADOTD I-10 Calcasieu River Bridge, Lake Charles, LA**- Chief Driller for drilling, lab testing, and reporting effort in support of I-10 interstate modifications that include the realignment of I-10; the removal and addition bridges, on/off ramps, u-turns, and overpasses; as well as modifications and improvements to adjacent roadways. Thompson performed 46 soil borings ranging from 75 to 100 feet in depth.
(05/21-12/21)	**LADOTD Bayou Carron Bridge, St Landry Parish, LA**- Chief Driller for drilling, CPT, lab testing, and reporting effort in support of the bridge replacement and road widening on LA-10 over Bayou Carron. Field effort consisted of two (2) borings and two (2) CPT soundings performed to 120 feet in depth.
11/19-Ongoing	**Louisiana National Guard Armed Forces Reserve Center, New Entrance Road to Highway 30 –** Thompson Engineering, Inc. (TEI) was selected by Louisiana Facility Planning & Control to prepare construction plans for the new entrance road for the existing Armed Forces Reserve Center buildingThe new roadway will be a two-lane boulevard with subsurface drainage, sidewalks, and street lighting. TEI is performing the topographic survey, roadway design, drainage design, geotechnical investigations, traffic impact, and construction oversight TEI performed the topographic survey, civil engineering, and construction oversight for this project. Mr. Odom serves as Chief Driller on this project. Cost: $120,395.00
(011/14–Ongoing)	**Confidential Client: Multiple Offshore Geotechnical projects - Pile design and Spudcan analysis multiple offshore locations** - Mr. Odom served as the Chief Driller for a confidential client on projects that consisted of off-shore field activities, lab work, and geotechnical reports. Mr. Odom was involved in each of these projects over the past 6 years. He has worked offshore with multiple roles, including observing and assisting the drillers while performing the borings, coordination and sample preservation, and logging the samples.
(11/15–10/18)	**ALDOT Mobile River Bridge & Bayway, Mobile, AL** - Mr. Odom served as the Chief Driller for a project located in Mobile AL which and includes geotechnical investigation design portions of the proposed new bridge. The project involves a new bridge spanning the Mobile River, and an expansion of the existing 8-Mile bayway. The project included over 35,000 linear feet of drilling and associated lab testing and reporting.

(01/17–06/19)	**CCJV Cameron LNG, Geotech / Foundation and Surge Wall Design, Hackberry, LA –** Mr. Odom was the Chief Driller for the expansion of an existing LNG import terminal including the construction of three liquefaction trains. Drilling and sampling led to engineering analyses, including an evaluation of drilled displacement piles including axial and lateral pile capacities, settlement and time-rate analyses, bulkhead analyses, slope stability analyses, soil stabilization, surcharge and wick drain installation recommendations.
(06/18–10/18)	**ALDOT I-10 Interchange Modifications, Mobile, AL -** Mr. Odom served as the Chief Driller for geotechnical consulting services for the modification of the interchange on I-10 from Texas Street to the west entrance of the Wallace tunnel in Mobile, Alabama. The roadway was a four-to-six lane elevated interstate that required reconfiguration to improve safety conditions near the west tunnel entrance and exit. This project required a realignment of I-10, new bridges, diverging diamond interchange (the first in Alabama), entrance/exit ramps, and contiguous city streets.

17. Firm Experience:

Firm name	**Thompson Engineering, Inc.**		Past Performance Evaluation Discipline(s)*	Geotech & Survey	
Project name	I-10 Calcasieu River Bridge		Firm responsibility (prime or sub?)	Prime	
Project number	H.003931	Owner's name	LADOTD		
Project location	Lake Charles, Louisiana		Owner's Project Manager	Joachim Umeozulu - Project Manager	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA, 70802; (225) 379-1325; Joachim.Umeozulu@LA.GOV				
Services commenced by this firm (mm/yy)	06/21	Total consultant contract cost ($1,000's)		$2,500	
Services completed by this firm (mm/yy)	01/22	Cost of consultant services provided by this firm ($1,000's)		$813.50	

The project is approximately 6.3 miles in length, located along I-10 in Lake Charles, LA. The subsurface investigation was in support of interstate modifications that include the realignment of I-10; the removal and addition of bridges, on/off ramps, u-turns, and overpasses; as well as modifications/improvements to adjacent roads. Geotechnical drilling rigs were utilized to advance a total of 46 soil borings to depths of 75 to 100 feet below grade, using mud rotary drilling techniques along approximately 2.5 miles of roadway. Samples were transported to Thompson's Mobile, AL laboratory. Lab testing was conducted in accordance with the contract specifications. A Geotechnical Data Report was prepared and submitted to include a summary of the field exploration and testing program as well as boring and extrusion logs, sample photos, and all test results.

Relevant Tasks

- *Field Exploration*
- *Laboratory Testing*
- *Data Reporting*

Key Personnel involved in this Project: Michael Davis, Jr., P.E., Richard Sheffield, P.E., Cameron Crigler, P.E., Jamie Blanton, P.E., Stephen Woodham, P.E., Ali Shahi, Brad Busby, P.L.S., Chris Dugger, Phil Pitts, Randall Odom, Justin Fancher, P.G., Don Craft

Firm name	**Thompson Engineering, Inc.**		Past Performance Evaluation Discipline(s)*		Geotechnical & Survey
Project name	LA 10 Bayou Carron Bridge			Firm responsibility (prime or sub?)	Prime
Project number	H.011993.5	Owner's name	LADOTD		
Project location	Lake Charles, Louisiana		Owner's Project Manager	Valerie Tourres - Project Manager	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA, 70802; (225) 379-1325;				
Services commenced by this firm (mm/yy)	04/21	Total consultant contract cost ($1,000's)			$2,500
Services completed by this firm (mm/yy)	12/21	Cost of consultant services provided by this firm ($1,000's)			$74.25

The project is located on Main Street (LA 10) in Washington, LA. Project plans include a bridge replacement for the LA 10 Bayou Carron bridge and roadway widening. Geotechnical drilling rigs were utilized to advance a total of three (3) soil borings to depths of 120 feet below grade. Two (2) CPT soundings were performed depths of 91 to 106 below grade using a 15-ton tracked rig equipped with an integrated electronic piezocone. Samples were transported back to Thompson's laboratory in Mobile, AL for testing. Lab testing was conducted in accordance with the contract specifications. A Geotechnical Data Report was prepared and submitted to include a summary of the field exploration and testing program as well as boring and extrusion logs, sample photos, and reports of all test results.

Relevant Tasks

- *Field Exploration*
- *Laboratory Testing*
- *Data Reporting*

Key Personnel involved in this Project: Michael Davis, Jr., P.E., Cameron Crigler, P.E., P.E., Stephen Woodham, P.E., Ali Shahi, Brad Busby, P.L.S., Chris Dugger, Stan White, Justin Fancher

Firm name	**Thompson Engineering, Inc.**		Past Performance Evaluation Discipline(s)*	Geotechnical & Survey	
Project name	Hurricane Protection, New Orleans East Levee, LPV 109.02a		Firm responsibility (prime or sub?)	Sub	
Project number	10-2123-0014	Owner's name	URS Corp.		
Project location	New Orleans, LA		Owner's Project Manager	Chris LaFroscia, P.E.	
Owner's address, phone, email	917 Western America Circle, Mobile, AL 36609, 251.344.4744; clafroscia@thompsonengineering.com				
Services commenced by this firm (mm/yy)	08/10	Total consultant contract cost ($1,000's)	$147,000		
Services completed by this firm (mm/yy)	06/13	Cost of consultant services provided by this firm ($1,000's)	$717		

The LPV 109.02a project was designed to reduce risk among residents and businesses on the East Bank of Orleans Parish from a 100-year storm event. The project (South Point to CSX Railroad) is located in Orleans Parish in southeast Louisiana, generally in the vicinity of the City of New Orleans, and between the Mississippi River and Lake Pontchartrain.

The scope of work involved raising the levee to elevations ranging from +16.5 to +25 feet, while reinforcing the new levee with high strength geotextiles and promoting consolidation of the subsoils using wick drains. The reach is approximately 39,452 ft. long. Long-term monitoring of levee performance, particularly under severe working conditions such as hurricane driven storm surges, will be monitored via a system of electronic geotechnical instrumentation.

Thompson Engineering was responsible for the installation of the equipment at strategic locations along and beneath the levee foundations. Magnetic extensometers were installed in boreholes to monitor settlement and heave. Vibrating wire piezometers will be used to monitor groundwater level fluctuations. Slope inclinometers will be used to monitor lateral earth movements in the levee embankments. Benchmarks are installed to establish reference elevations and settlement plates will allow monitoring of levee settlements. Undisturbed in-situ sampling of levee clay soils and supporting natural soils was completed for the evaluation of end of construction condition and long-term subsoil strength gain for verification of post-construction factors of safety. Geotechnical laboratory index testing was performed for relevant subsoil properties and for in-situ shear strength estimation. CPTU soundings were performed for in-situ condition confirmation.

Relevant Tasks

- *Undisturbed In-Situ Sampling*
- *CPTU Soundings*
- *Geotechnical Instrumentation*
- *Earthan and Sheet Pile Cofferdam Design*
- *Slope Stability Analysis*
- *Settlement Analysis*
- *Dewatering and Excavation Plans*
- *Laboratory Testing*

Key Personnel involved in this Project: Cameron Crigler, P.E., Chris LaFroscia, P.E., Chris Dugger, Stan White

Firm name	**Thompson Engineering, Inc.**		Past Performance Evaluation Discipline(s)*		Geotechnical & Survey
Project name	Louisiana National Guard Armed Forces Reserve Center New Entrance Road to LA Highway 30- Geotechnical Drilling/Pavement Design		Firm responsibility (prime or sub?)		Prime
Project number	19-1106-0002	Owner's name	Louisiana National Guard		
Project location	Baton Rouge, LA		Owner's Project Manager	Mark Dauzat	
Owner's address, phone, email	1-209 Jackson Barracks, New Orleans, LA 70117; (504)-278-8548; **mdauzat@tta-corp.com**				
Services commenced by this firm (mm/yy)	11-19	Total consultant contract cost ($1,000's)			$120
Services completed by this firm (mm/yy)	ongoing	Cost of consultant services provided by this firm ($1,000's)			$115

Thompson is providing geotechnical services at select locations for the Armed Forces Reserve Center New Entrance Road in Baton Rouge, LA.

Relevant Tasks

- *Field Exploration*
- *Geotechnical Investigations & Engineering*
- *Laboratory Testing*

- Scope of work: Armed Forces Reserve Center New Entrance Road in Baton Rouge, LA.: Thompson mobilized subsurface drilling equipment to perform 5 borings extending to a depth of 10 feet and 1 boring extending to a depth of 20 feet within the proposed area (See proposed boring location plan in Plate 1). Soils will be sampled using standard penetration test (SPT) protocols in accordance with ASTM D1586. Samples will be taken continuously for the top 10 feet of the boring and then every 5 feet thereafter to the depth of the borehole. Undisturbed Shelby tube samples will be taken in cohesive soils in accordance with ASTM D1587. Groundwater levels will be recorded when encountered in the boreholes. The borings will be grouted to grade upon work completion with bentonite/cement slurry.

- Geotechnical Laboratory testing.

- Prepare a Geotechnical Report that summarizes the subsurface exploration activities and the laboratory testing program, as well as provides foundation design and construction recommendations.

Key Personnel involved in this Project: Cameron Crigler, P.E.; Chris LaFroscia, P.E., Brad Busby, P.L.S., Phillip Pitts, Randall Odom

Firm name	**Thompson Engineering, Inc.**	Past Performance Evaluation Discipline(s)*	Geotechnical & Survey
Project name	Mobile River Bridge and Bayway Widening	Firm responsibility (prime or sub?)	Sub
Project number	17-1101-0145	Owner's name	Alabama Department of Transportation
Project location	Mobile, Alabama	Owner's Project Manager	Mark Dauzat
Owner's address, phone, email	1701 North Beltline Highway, Mobile, AL, 36618 ;(251)-470-8200; **calamettiv@dot.state.al.us**		
Services commenced by this firm (mm/yy)	07/15	Total consultant contract cost ($1,000's)	$20,000
Services completed by this firm (mm/yy)	09/19	Cost of consultant services provided by this firm ($1,000's)	$16,000

Thompson Engineering and other team firms completed the 30% Design-Build RFP for ALDOT's largest transportation project. The Interstate-10 Mobile River Bridge and Bayway Project between Mobile and Baldwin County, Alabama. The project is 12-miles of improved roadway and bridges and a new 1,250-foot, six-lane cable stayed bridge. The scope includes improvements to interchanges, existing interstate roadway, service roads, replacement of ancillary low-level bridges, and replacement eight miles of the Bayway Bridge. With home offices in the local area, the Team used personal knowledge of the project location, navigation and maintenance dredging of the Port of Mobile, industrial production on the Mobile River, and understanding of environmental conditions, and the socio-economic factors on the local area to develop integrated concept designs for the preferred alignment.

Relevant Tasks

- *Motorized Vane Shear*
- *CPT*
- *UU/CU Triaxial Testing*
- *Atterberg Limits*
- *Sieve Analysis Geotechnical Drilling*
- *Geotechnical Engineering*
- *Surveying; Master Planning*
- *Alternatives Development*
- *Roadway Design*
- *Bridge Design*
- *Hydrology/Hydraulic Investigation*

Due to the size and cost of the project, ALDOT elected to procure final design and construction through a Public Private Partnership (P3) as a Design Build Finance Operate and Maintain (DBFOM) project type for a 55-year concession. The Thompson team is providing services as the Owners Advisor / Program Manager to ALDOT for this first ever P3 project in the State in preparing: technical criteria, project definition and programming documents, scheduling and cost estimating, design charrettes and public involvement meetings, and preparing the final Environmental Impact Statement document for the Record of Decision (ROD).

The field exploration involved over 24,000 feet of SPT and undisturbed sample, mud rotary drilling along the project corridor along with cone penetrometer testing (CPT). These borings extended up to 320-feet below the existing ground line/mudline. Over 100 over-water borings were completed along the existing Bay Way utilizing barge-mounted drill rigs. Laboratory testing involved Atterberg Limits, Sieve/hydrometer, direct shear, one-dimensional consolidation, unconsolidated undrained (UU) and consolidated undrained (CU) triaxial testing, corrosion tests, and motorized vane shear testing.

Key Personnel involved in this Project: Cameron Crigler, P.E.; Mike Davis, P.E.; Justin Fancher, P.G.; Brad Busby, P.L.S., Chris Dugger; Stan White; Randall Odom; Phillip Pitts

Firm name	**Kenall Inc.**		Past Performance Evaluation Discipline(s)*	Geotechnical	
Project name	Blue and Green Corridor Improvements		Firm responsibility (prime or sub?)	Sub	
Project number	N/A	Owner's name	City of New Orleans		
Project location	New Orleans, LA		Owner's Project Manager	N/A	
Owner's address, phone, email	Mr. Will Bane (Stantec), 504-654-1758; Will.Bane@stantec.com				
Services commenced by this firm (mm/yy)	06/19	Total consultant contract cost ($1,000's)		N/A	
Services completed by this firm (mm/yy)	09/20	Cost of consultant services provided by this firm ($1,000's)		$250	

The Blue and Green Corridors project is located in Gentilly Neighborhood, an area that suffers from frequent flooding and has a lack of facilities to help residents lead healthy and active lifestyles. The project will transform major boulevards into a network of Blue and Green Corridors with canal, lift stations, channels, culverts, and green infrastructure to reduce flood risk and subsidence while improving quality of life for residents. Other improvements include stormwater storage and infiltration systems, linear parks, complete streets, road diets, and water monitoring stations. Project scope includes geotechnical investigation, laboratory testing services, engineering analysis and construction recommendations.

Relevant Tasks

- *Field Exploration*
- *Laboratory Testing*
- *Data Reporting*
- *Geotechnical Engineering*

Geotechnical Engineering responsibilities include:

- Conduct site visits and document the current conditions;
- Perform limited number of soil borings (64) and corings (15) to evaluate the subsurface soil, existing pavement thickness, and underground water conditions Performing slope stability analysis;
- Provide foundation design recommendations for lift stations, weirs, and other structures:
- General soil and groundwater conditions;
- Perform slope stability analysis of new channels;
- Perform groundwater monitoring using remote sensors;
- Pavement design recommendations for bike path anew left turn lane;
- Provide earthwork and construction recommendations.

Key Personnel involved in this Project: Rajesh Tolikonda, PE, Kris Prasad, PE, Tushar Gondane

Firm name	**Kenall Inc.**		Past Performance Evaluation Discipline(s)*	Geotechnical	
Project name	Mandeville Bypass Road		Firm responsibility (prime or sub?)	Sub	
Project number	N/A	Owner's name	LADOTD/St. Tammany Parish		
Project location	St. Tammany Parish		Owner's Project Manager	N/A	
Owner's address, phone, email	Mr. Henry Picard (BKI); 504-486-5901; hpicard@bkiusa.com				
Services commenced by this firm (mm/yy)	06/18	Total consultant contract cost ($1,000's)		N/A	
Services completed by this firm (mm/yy)	07/20	Cost of consultant services provided by this firm ($1,000's)		$95	

The project consists of construction of a new Bypass in Mandeville, Louisiana between US 190 and LA 1088. The proposed 2.5-mile road will provide additional access to Pelican Park and relieving some of the traffic that chokes the U.S. 190-LA. 22 interchange in Mandeville. The Bypass will have five (5) bridge/culvert and on grade pavement. Project scope includes preliminary geotechnical investigation and laboratory testing services.

Relevant Tasks

- *Field Exploration*
- *Laboratory Testing*
- *Data Reporting*
- *Geotechnical Engineering*

Geotechnical Engineering responsibilities include:

- Conduct site visits and document the current conditions;
- Perform limited number of soil borings to evaluate the subsurface soil and underground water conditions that would be significantly affected by new foundations and construction operations;
- Perform laboratory tests on soil samples retrieved from the soil borings that include:
  - Atterberg Limits;
  - Consolidation test (ASTM D2435);
  - Unconfined Compression test/ Unconsolidated Undrained test (ASTM D2166/ ASTM D2850);
  - Triaxial test-CU (ASTM D4767).
- Provide foundation design recommendations for associated structures;
- Provide recommendations for culvert bedding;
- Perform slope stability analysis;
- Provide drainage and pavement design recommendations;
- Provide earthwork and construction recommendations.

Key Personnel involved in this Project: Rajesh Tolikonda, PE, Kris Prasad, PE, Tushar Gondane

Firm name	**Kenall Inc.**		Past Performance Evaluation Discipline(s)*	Geotechnical	
Project name	RTA Canal Street Ferry Terminal Investigation		Firm responsibility (prime or sub?)	Prime	
Project number	N/A	Owner's name	Regional Transit Authority (RTA)		
Project location	New Orleans, LA		Owner's Project Manager	Justin Augustine	
Owner's address, phone, email	504-827-8301				
Services commenced by this firm (mm/yy)	05/17	Total consultant contract cost ($1,000's)		$18000	
Services completed by this firm (mm/yy)	11/19	Cost of consultant services provided by this firm ($1,000's)		$225	

The project called for geotechnical investigation of Canal Street Ferry Terminal located in New Orleans, Louisiana. Project consists of construction of new ferry terminal with loading ramp and other supporting structures. The project includes performing geotechnical investigations including four CPT soundings and five SPT borings up to depths of about 120 feet below the existing grade. Kenall is under the contract to provide engineering analysis, technical expertise, core sampling, basic and advanced laboratory testing and to provide foundation design and pavement recommendations to incorporate in construction plans and specifications.

Relevant Tasks

- *Field Exploration*
- *Laboratory Testing*
- *Data Reporting*
- *Geotechnical Engineering*

Geotechnical Engineering responsibilities include:

- Performing limited number of soil borings and CPT to evaluate the subsurface soil and underground water conditions that would be significantly affected by new foundations and construction operations;
- Performing field tests that include vane shear test, self-weight consolidation of dredge material, settling column test and geotechnical instrumentation (soil strain meters, heavy duty piezometers and inclinometers);
- Performing slope stability analysis;
- Performing settlement analysis;
- Providing bulkhead design parameters;
- Providing foundation design recommendations;
- Providing retaining wall design recommendations;
- Providing pavement recommendations during construction

Key Personnel involved in this Project: Rajesh Tolikonda, PE, Kris Prasad, PE, Tushar Gondane

18. Approach and Methodology:

Thompson Engineering's Standard Operating Procedure requires development of a Project Management Plan (PMP) on ALL projects. PMPs are developed by the Project Manager with assistance from a Principal with technical leads providing necessary input on the technical approach, risk management, QA/QA, scheduling, and deliverables. The following example PMP illustrates our approach and methodology in performing geotechnical engineering tasks under this IDIQ contract. Based on our understanding of this contract and the scope of work required, we offer the following (condensed version) PMP demonstrating our approach & methodology in performing these tasks and deliverables in a defined schedule for a typical task order.

PROJECT MANAGEMENT PLAN

H.003931 I-10 Calcasieu River Bridge for LADOTD | June 28, 2021 | TE Project Number: 21-1102-0084
Prepared by: Michael Davis, P.E., Project Manager
Approved by: Stephen Woodham, P.E. Geotechnical Team Lead

Project Definition / Objectives

Based on our understanding of the Scope of Work provided for the I-10 Calcasieu River Bridge, the following tasks will be completed in support of the study objective:

- Perform subsurface exploration within the identified areas to gather information concerning prevalent subsurface soil conditions
- Conduct a laboratory soil testing program to aid in the classification of the prevailing site subsoils and to evaluate relevant soil strength and engineering properties
- Classify and stratify the various subsurface strata encountered in the soil test boring utilizing established visual soil classification methods and limited laboratory tests
- Prepare a geotechnical data report to summarize the study findings.

Scope of Services / Schedule of Deliverables

The specific scope of work presented below addresses the project geotechnical requirements for this project. During the performance of the field exploration work, the geotechnical engineer will be onsite with the field crew for field logging. The field crew will provide immediate feedback if unusual or unanticipated conditions are encountered in the soil test borings. Any such conditions will be quickly evaluated by the geotechnical engineer, and if the field findings warrant changes to the agreed to and contracted scope of work, Thompson will contact Ms. Smith with the LADOTD for confirmation and authorization. The geotechnical study will be managed by an experienced geotechnical engineer.

We propose the following specific scope of work at this time:

1. Thompson personnel will mobilize to the project site to layout all boring locations to be performed by Thompson.
2. When utilities are marked, a geotechnical engineer will visit the site to perform site reconnaissance with LADOTD personnel.
3. Mobilize SPT drilling rig, crew, and field engineer to perform 48 borings extending to depths of 75 - 100 feet below existing grades.
4. Soils will be sampled using undisturbed Shelby Tube sampling methods (ASTM D1587) in cohesive soils and standard penetration test (SPT) protocols (ASTM D1586) in granular soils. Samples will be taken continuously for to a depth of 10 feet in each boring and thereafter every 5 feet for cohesive material or 3 feet for cohesionless material to the depth of the borehole. Groundwater levels will be recorded when encountered in the boreholes. We will obtain 24-hour groundwater readings whenever possible. The borings will be grouted to grade upon work completion with bentonite/cement slurry and patched when performed through asphalt or concrete pavement. If contaminated material is suspected or encountered during sampling, Thompson will cease drilling and sampling operations and contact LADOTD immediately for further guidance.
5. Mobilize survey crew upon completion of the test borings to obtain as-drilled GPS coordinates.
6. The recovered soil samples will be placed in sealed containers and transported to our geotechnical laboratory. An experienced geotechnical engineer or geologist will visually classify and photograph all the extruded soil samples. A Record of Test Borings will be prepared to summarize the data collected. Samples will be retained in storage for 90 days after the date of geotechnical report publication.
7. Laboratory testing will consist of unconsolidated undrained (UU) triaxial shear, wet density, and Atterberg Limits tests on 75% of all recovered cohesive samples. Moisture content tests and percent passing #200 will be performed on all recovered samples. Consolidation tests will also be performed on representative cohesive samples.
8. Prepare a Geotechnical Data Report by 1Jan2022 summarizing the subsurface exploration activities and laboratory testing results.

Project Organization

Team Overview/Profile

Michael Davis – Project Manager (Engineer)
Stephen Woodham – Project Supervisor (Supervisor-Other)
Cameron Crigler – Technical Lead (Supervisor-Engineer)
Ali Shahi – Project Engineer (Engineer)
Justin Fancher – Geologist
Brad Busby (Surveyors)
Phillip McKissick, Engineer Associate
Talis Battle – Engineer Associate (Pre-Professional)
David Ludlow – CAD Support (Designer)
Matt Rogers / Adam Jackson – Traffic Control Plan
Phil Pitts and Richard Blackstock – Drillers
Laura Key and Susan Pritchard (Administrative)

Work Plan

Task List/Work Breakdown Structure

Project Startup Tasks

Clearing/Matting & Traffic Control
Prepare and submit traffic control plan
Send Right-of-Entry requests

Field Tasks

Permits required are processed
Site Reconnaissance
Boring Layout
Utility Clearing
Schedule clearing/matting services
Mobilize field crew and key personnel for project start
Obtain water meter
Conduct on-site meeting and proceed
All traffic control setups
Weekly updates to client POC
Survey all completed borings

Lab Tasks

Office Tasks

Project Schedule - Schedule constraints/methodology - 17 days on, 4 days off (Night work not anticipated)

GANTT Chart

Task	Week																				
	7/5	7/12	7/19	7/26	8/2	8/9	8/16	8/23	8/30	9/6	9/13	9/20	9/27	10/4	10/11	10/18	10/25	11/1	11/8	11/15	11/22
Mobilization																					
Field Investigation																					
Lab Testing Program																					
Prepare/Submit GDR																					

The following equipment is maintained to support our approach and methodology in providing the required geotechnical services.

Drilling and Sampling Equipment

- Vertek 20-ton Cone Penetrometer Testing Rig
- CME 550X (ATV Mounted Rig)
- CME 550X (ATV Mounted Rig)
- CME-45c Skid/Trailer/Helicopter
- Track-mounted Diedrich D50
- Hydraulic Powered Failing 1500 Drill Rig (offshore/deep waters)
- Off-shore Drilling Barge (near-shore/inland waters)
- Mud Mixing Plant
- Skid Mounted diesel duplex pump
- Connex workshop for long duration, remote projects
- Tripod rig and hand operated auger equipment
- Concrete/Asphalt Coring Rig (4" and 6" Barrels
- Sampling Tools
- 3 Inch Piston Sampler
- 5 Inch Piston Sampler
- California Split Barrel Sampler
- Pitcher Barrel
- NQ Wire Line Rock Coring System
- PQ Wire Line Rock Coring System
- PQ Conventional Rock Coring System
- HQ Casing advancers
- Trailerable Grout Unit
- Trailerable Steam Cleaner
- Vibra-Core Sediment Sampling apparatus
- Double Ring infiltrometer

Soils, Aggregate, and Concrete Laboratory Equipment

- LA Abrasion Machine
- Balance/Scale – 4
- Balance/Scale, Portable Bench
- Balance/Scale, Triple-Beam
- Compression Machine, 50 kn
- Compression Machine, 5000 kg
- Consolidometer, 5 Manual, 2 Automatic
- Distiller
- F-Meter
- Furnace
- Load Frame – ELE
- Load Frame - GeoJac
- Load Frame- Wykeham Farrance
- Mechanical Compactor (Soil)
- Microwave Ovens - 2
- Nuclear Moisture Density Gauges
- Ovens – 5
- Permeability Cells – 2
- pH/Dissolved Oxygen/Salinity Meters
- Rigid Wall Permeability Cells – 4
- R-Meter
- Sample Splitter
- Sand Cone Density Equipment
- SATEC – 600,000 lbf. Compression Machine
- Shaker, Gilson
- Shaker, Tap – 2
- Triaxial Cells – 6
- Triaxial/Permeability Panel, One-Cell
- Triaxial/Permeability Panel, Two-Cell – 2
- Water Deionizer/Purifier
- Zone Settling Tubes (Dredge material setting)

Survey Equipment

- Ground Penetrating Radar (GPR) GSSI Utility Scan Dual Frequency (DF)
- Radio Frequency, 3M Dynatel 2250M 12w
- Trimble R12 GPS Base Rovers - 9
- Spectra SP 80 RTK GPS Units - 5
- Trimble S5 Robotic Total Stations - 6
- Topcon ES105 Total Stations – 3
- Trimble DiNi 0.3mm Digital Levels - 8
- Trimble TSC7 Data Collectors – 7
- Trimble TSC3 Data Collectors – 3
- Ranger3 Data Collectors - 5
- Sokkia Auto Levels – 4
- Unmanned single beam sonar vessel - 1

Aerial Photography Equipment

- LiDAR Drone – 2
- Photogrammetry Drones – 2
- Fixed Wing Unmanned Aircraft - 1

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**
Thompson Engineering, Inc. of Louisiana	Geotechnical	H.014223	Camile Road over Bayou Marais	48,934.00
Thompson Engineering, Inc. of Louisiana	Geotechnical & Survey	H.003931	LADOTD – I-10 Calcasieu River (project is 100% invoiced, AR outstanding)	574,592.72
Kenall, Inc.	N/A	N/A	N/A	N/A

(Add rows as needed) DO NOT SUM

* 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. If a firm has more than one past performance evaluation discipline for any single project, the firm can use multiple rows to express the remaining unpaid balance per evaluation discipline.

** Round to the nearest dollar. **Do not** round to the nearest thousands. If there are no active contracts with a remaining unpaid balance, place N/A in the Remaining Unpaid Balance column. LEAVING THE "REMAINING UNPAID BALANCE" COLUMN BLANK IS NOT ACCEPTABLE.

20. Certifications/Licenses:

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

Laboratory locations to perform the work:

599 Northpark Drive, Suite A
Ridgeland, MS 39157

3707 Cottage Hill Road
Mobile, AL 36606

Appropriate licenses are included on the following pages.

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Jay Davison

has attended

Traffic Control Technician-LA State Specific

Training Course

3/9/2021 to 3/9/2021
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

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Jay Davison

has attended

Traffic Control Supervisor-LA State Specific

Training Course

3/10/2021 to 3/11/2021
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

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Richard Sheffield

has attended

Traffic Control Technician-LA State Specific

Training Course

9/22/2020 to 9/22/2020
Date

Baton Rouge, LA
Location

Vice President of Member Services

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Richard Sheffield

has attended

Traffic Control Supervisor-LA State Specific

Training Course

9/23/2020 to 9/24/2020
Date

Baton Rouge, LA
Location

Donna M. Clark
Vice President of Member Services

Alan Tetschner
President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

Office of Conservation | Department of Natural Resources
STATE OF LOUISIANA

WATER WELL CONTRACTOR'S LICENSE

The Office of Conservation
for the Department of Natural Resource
State of Louisiana

hereby acknowledges that

THOMPSON (AL) ENGINEERING, INC

Stanley M. White

has been licensed to drill monitoring wells and water wells under the provisions of R.S. 38:3098 and is entitled to practice in the state of Lousiana as a Water Well Contractor.

This License is non-transferable and expires ***June 30, 2022*** unless renewed, revoked or suspended by the licensing authority as prescribed by statue.

Signed and sealed this ***24th*** day of ***June*** , ***2021***

RICHARD P. IEYOUB
COMMISSIONER OF CONSERVATION
Office of Conservation
Louisiana Department of Natural Resources

License No. WWC- ***# 712***

LOUISIANA STATE CIVIL SERVICE

acknowledges that

Michael Davis, Jr.

has successfully completed the training course:

CPTP SCS Cybersecurity WBT

on

June 06, 2022

This document is intended to be used solely for the purpose of documenting the individual's completion of SCS's web-based training:
CPTP SCS Cybersecurity WBT

STATECIVILSERVICE

Certificate of Accreditation

Thompson Engineering, Inc.

in

Mobile, Alabama, USA

has demonstrated proficiency for the testing of construction materials and has conformed to the requirements established in AASHTO R 18 and the AASHTO Accreditation policies established by the AASHTO Committee on Materials and Pavements.

The scope of accreditation can be viewed on the Directory of AASHTO Accredited Laboratories (aashtoresource.org).

Jim Tymon,
AASHTO Executive Director

Moe Jamshidi,
AASHTO COMP Chair

This certificate was generated on 09/30/2021 at 11:22 AM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory

Scope of AASHTO Accreditation for:

Thompson Engineering, Inc.

in Mobile, Alabama, USA

Quality Management System

Standard:		Accredited Since:
R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	04/27/2020
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	04/27/2020

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Scope of AASHTO Accreditation for:

Thompson Engineering, Inc.

in Mobile, Alabama, USA

Soil

Standard:		Accredited Since:
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	06/07/2021
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	06/07/2021
T289	pH of Soils for Corrosion Testing	06/07/2021
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	04/27/2020
D422	Particle Size Analysis of Soils by Hydrometer	04/27/2020
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	06/07/2021
D854	Specific Gravity of Soils	06/07/2021
D1140	Amount of Material in Soils Finer than the No. 200 (75-µm) Sieve	04/27/2020
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	06/07/2021
D1883	The California Bearing Ratio	06/07/2021
D2166	Unconfined Compressive Strength of Cohesive Soil	04/27/2020
D2216	Laboratory Determination of Moisture Content of Soils	04/27/2020
D2435	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	04/27/2020
D2487	Classification of Soils for Engineering Purposes (Unified Soil Classification System)	04/27/2020
D2488	Description and Identification of Soils (Visual-Manual Procedure)	04/27/2020
D2850	Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	06/07/2021
D2974	Determination of Organic Content in Soils by Loss on Ignition	04/27/2020
D3080	Direct Shear Test of Soils Under Consolidated Drained Conditions	06/07/2021
D4318	Determining the Liquid Limit of Soils (Atterberg Limits)	04/27/2020
D4318	Plastic Limit of Soils (Atterberg Limits)	04/27/2020
D4643	Determination of Water (Moisture) Content of Soil by Microwave Oven Heating	06/07/2021
D4767	Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	06/07/2021
D5084	Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter	06/07/2021

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Scope of AASHTO Accreditation for:

Thompson Engineering, Inc.

in Mobile, Alabama, USA

Soil (Continued)

Standard:		Accredited Since:
D6913	Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	06/07/2021
D6938	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	04/27/2020
G57	Field Measurement of Soil Resistivity Using the Wenner Four-Electrode Method	06/07/2021

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Scope of AASHTO Accreditation for:

Thompson Engineering, Inc.

in Mobile, Alabama, USA

Aggregate

Standard:	Accredited Since:
C117 Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	04/27/2020
C127 Specific Gravity and Absorption of Coarse Aggregate	06/07/2021
C128 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	04/27/2020
C131 Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	06/07/2021
C136 Sieve Analysis of Fine and Coarse Aggregates	04/27/2020
C566 Total Moisture Content of Aggregate by Drying	04/27/2020
C702 Reducing Samples of Aggregate to Testing Size	04/27/2020

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Scope of AASHTO Accreditation for:

Thompson Engineering, Inc.

in Mobile, Alabama, USA

Concrete

Standard:		Accredited Since:
M201	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	04/27/2020
R39	Making and Curing Concrete Test Specimens in the Laboratory	04/27/2020
R60	Sampling Freshly Mixed Concrete	04/27/2020
T22	Compressive Strength of Cylindrical Concrete Specimens	04/27/2020
T23	Making and Curing Concrete Test Specimens in the Field	04/27/2020
T24	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	04/27/2020
T97	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	04/27/2020
T119	Slump of Hydraulic Cement Concrete	04/27/2020
T121	Density (Unit Weight), Yield, and Air Content of Concrete	04/27/2020
T152	Air Content of Freshly Mixed Concrete by the Pressure Method	04/27/2020
T196	Air Content of Freshly Mixed Concrete by the Volumetric Method	04/27/2020
T231 (7000 psi and below)	Capping Cylindrical Concrete Specimens	04/27/2020
T309	Temperature of Freshly Mixed Portland Cement Concrete	04/27/2020
C31	Making and Curing Concrete Test Specimens in the Field	04/27/2020
C39	Compressive Strength of Cylindrical Concrete Specimens	04/27/2020
C42	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	04/27/2020
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	04/27/2020
C138	Density (Unit Weight), Yield, and Air Content of Concrete	04/27/2020
C143	Slump of Hydraulic Cement Concrete	04/27/2020
C172	Sampling Freshly Mixed Concrete	04/27/2020
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	04/27/2020
C192	Making and Curing Concrete Test Specimens in the Laboratory	04/27/2020
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	04/27/2020

This certificate was generated on 09/30/2021 at 11:22 AM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory

Scope of AASHTO Accreditation for:

Thompson Engineering, Inc.

in Mobile, Alabama, USA

Concrete (Continued)

Standard:		Accredited Since:
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	04/27/2020
C617 (7000 psi and below)	Capping Cylindrical Concrete Specimens	04/27/2020
C1064	Temperature of Freshly Mixed Portland Cement Concrete	04/27/2020
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	04/27/2020
C1542	Measuring Length of Concrete Cores	04/27/2020

This certificate was generated on 09/30/2021 at 11:22 AM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory

Scope of AASHTO Accreditation for:

Thompson Engineering, Inc.

in Mobile, Alabama, USA

Masonry

Standard:		Accredited Since:
M201	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	04/27/2020
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	04/27/2020
C780 (Annex 1)	Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Consistency by Cone Penetration	04/27/2020
C780 (Annex 6)	Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Compressive Strength	04/27/2020
C1314	Compressive Strength of Masonry Prisms	04/27/2020
C1552	Capping Concrete Masonry Units, Related Units and Masonry Prisms for Compression Testing	04/27/2020

This certificate was generated on 09/30/2021 at 11:22 AM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory

AASHTO ACCREDITED

CERTIFICATE OF ACCREDITATION

AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
AASHTO

Thompson Engineering, Inc.

in

Ridgeland, Mississippi, USA

has demonstrated proficiency for the testing of construction materials and has conformed to the requirements established in AASHTO R 18 and the AASHTO Accreditation policies established by the AASHTO Committee on Materials and Pavements.

The scope of accreditation can be viewed on the Directory of AASHTO Accredited Laboratories (aashtoresource.org).

Jim Tymon,
AASHTO Executive Director

Moe Jamshidi,
AASHTO COMP Chair

This certificate was generated on 04/25/2022 at 10:12 AM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory

SCOPE OF AASHTO ACCREDITATION FOR:

Thompson Engineering, Inc.

in Ridgeland, Mississippi, USA

Quality Management System

Standard:	Accredited Since:
R18 Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	05/18/2015

This certificate was generated on 04/25/2022 at 10:12 AM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory

SCOPE OF AASHTO ACCREDITATION FOR:

Thompson Engineering, Inc.

in Ridgeland, Mississippi, USA

Asphalt Mixture

Standard:	Accredited Since:
T166 (Cores) Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens (Cores)	09/11/2018
T275 (Cores) Bulk Specific Gravity of Compacted Bituminous Mixtures Using Paraffin-Coated Specimens (Cores)	09/11/2018

This certificate was generated on 04/25/2022 at 10:12 AM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory

Scope of AASHTO Accreditation for:

Thompson Engineering, Inc.

in Ridgeland, Mississippi, USA

Soil

Standard:		Accredited Since:
R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	09/11/2018
T88	Particle Size Analysis of Soils by Hydrometer	05/18/2015
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	05/18/2015
T90	Plastic Limit of Soils (Atterberg Limits)	05/18/2015
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	05/18/2015
T100	Specific Gravity of Soils	05/18/2015
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	05/18/2015
T208	Unconfined Compressive Strength of Cohesive Soil	09/06/2016
T216	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	09/06/2016
T265	Laboratory Determination of Moisture Content of Soils	05/18/2015
T296	Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	09/06/2016
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	09/11/2018
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	09/11/2018
D422	Particle Size Analysis of Soils by Hydrometer	09/11/2018
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	09/11/2018
D1140	Amount of Material in Soils Finer than the No. 200 (75-µm) Sieve	05/18/2015
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	09/11/2018
D2166	Unconfined Compressive Strength of Cohesive Soil	09/11/2018
D2216	Laboratory Determination of Moisture Content of Soils	09/11/2018
D2435	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	09/11/2018
D2850	Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	09/11/2018
D4318	Determining the Liquid Limit of Soils (Atterberg Limits)	09/11/2018
D4318	Plastic Limit of Soils (Atterberg Limits)	09/11/2018

This certificate was generated on 04/25/2022 at 10:12 AM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory

Scope of AASHTO Accreditation for:

Thompson Engineering, Inc.

in Ridgeland, Mississippi, USA

Soil (Continued)

Standard:	Accredited Since:
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	09/11/2018

This certificate was generated on 04/25/2022 at 10:12 AM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory

Scope of AASHTO Accreditation for:

Thompson Engineering, Inc.

in Ridgeland, Mississippi, USA

Aggregate

Standard:		Accredited Since:
R76	Reducing Samples of Aggregate to Testing Size	05/18/2015
R90	Sampling Aggregate	09/11/2018
T11	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	05/18/2015
T27	Sieve Analysis of Fine and Coarse Aggregates	05/18/2015
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	05/18/2015
T85	Specific Gravity and Absorption of Coarse Aggregate	05/18/2015
T255	Total Moisture Content of Aggregate by Drying	05/18/2015
C117	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	09/11/2018
C127	Specific Gravity and Absorption of Coarse Aggregate	09/11/2018
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	09/11/2018
C136	Sieve Analysis of Fine and Coarse Aggregates	09/11/2018
C566	Total Moisture Content of Aggregate by Drying	09/11/2018
C702	Reducing Samples of Aggregate to Testing Size	09/11/2018
D75	Sampling Aggregate	09/11/2018

This certificate was generated on 04/25/2022 at 10:12 AM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory

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

If the advertisement requires submission of a QA/QC plan or Work plan, include them here. Otherwise, leave this section blank.

To be provided 10 business days after award notification, as stated on page 7 of the RFP.

22. Sub-consultant information:

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

Firm Name (as registered with Louisiana's Secretary of State)	**Address**	**Point of Contact and email address**	**Phone Number**
Kenall, Inc.	1501 Kuebel St # B, New Orleans, LA 70123	Rajesh Tolikonda, PE Rajesh.Tolikonda@kenallinc.com	(504) 733-1325

(Add rows as needed)

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.