

Braun Intertec Corporation 104 Row 1 Lafayette, Louisiana 70506 Phone: 337.412.6129 Web: braunintertec.com

June 28, 2022

Louisiana Department of Transportation and Development 1201 Capitol Access Road Baton Rouge, Louisiana 70802

To Whom It May Concern:

On behalf of Braun Intertec Corporation, we would like to thank the Louisiana Department of Transportation and Development for the opportunity to provide our qualifications for the **IDIQ Contracts for Geotechnical Services Statewide**. Braun Intertec's DOTD FORM: 24-102 is attached.

Best Regards:

Eric McClanahan, P.E. Braun Intertec Corporation

(Revised March 1, 2022)

DOTD FORM: 24-102

PROPOSAL TO PROVIDE CONSULTANT SERVICES

Prime consultant shall complete the DOTD Form 24-102 without altering the Form's text; however, the instruction and/or guidance for Sections 12 through 23 can be removed but do not remove Section title and number.

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

Prime consultant should enter the firm name in the footer at the bottom of this page. (It will carry over to subsequent pages.)

1.	Contract title as shown in the advertisement	IDIQ Contracts for Geotechnical Services Statewide
2.	Contract number(s) as shown in the advertisement	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	Braun Intertec Corporation
	Secretary of State where such registration is required by	
	law)	
5.	Prime consultant license number (as registered with the	EF.0005739
	Louisiana Professional Engineering and Land Surveying	
	Board (LAPELS) if registration is required under	
	Louisiana law)	
6.	Prime consultant mailing address	104 Row One, Lafayette, Louisiana 70508
7.	Prime consultant physical address (existing or to be	104 Row One, Lafayette, Louisiana 70508
	established, if location is used as an evaluation criteria)	
8.	Name, title, phone number, and email address of prime	Mr. Alexander Brochard, P.E., Operations Manager/ Project
	consultant's contract point of contact	Engineer, (318) 359-5191, abrochard@braunintertec.com
9.	Name, title, phone number, and email address of the	Mr. Eric McClanahan, P.E., Business Unit Manager, (409) 679-
	official with signing authority for this proposal	0175, emcclanahan@braunintertec.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	

Page 1 of 38 Prime consultant name: Braun Intertec Corporation

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.	Signature (shall be the same person as #9):
The proposer also has not retaliated against any person	$d_{11,100}$
or other entity for reporting such refusal, termination, or	ALCO
commercially limiting actions. DOTD reserves the right	
to reject the response of the bidder or proposer if this	Date: 06/28/2022
certification is subsequently determined to be false, and	
to terminate any contract awarded based on such a false	
response.	
11. If a Disadvantaged Business Enterprise (DBE) goal has	Firm(s): Firm(s)' %:
been set for this advertisement, indicate which firm(s)	Adaptive Management and Engineering, LLC 40%
will be used to meet the DBE goal and each firm(s)'	
percentage.	

12. Past Performance Evaluation Discipline Table:

As indicated in the advertisement, insert the completed table here. The percentages for the prime and sub-consultants must total 100% for **each past performance evaluation discipline**, as well as the overall total percent of the contract.

The only past performance evaluation disciplines to be used are: Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other. The crosswalk from the old categories to the new categories can be found at the link below:

http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/CCS/General%20Information/CPPR%20Crosswalk%20to%20New %20Evaluation%20Disciplines.pdf. (same link as in the advertisement)

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)

	However, and the second s				State were sold and the same restriction		
Evaluation	% of	Prime	Firm B	Firm C	Firm D	Firm E	Each
Discipline(s)	Overall						Discipline
1 52	Contract						must total
	Contract						to 100%
Geotech	100	60%	40%				100%
							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%	60%	40%				

13. Firm Size:

For all firms that are part of this team, indicate the approximate number of personnel to be committed to this contract, by DOTD Job Classification and the total number of personnel within the firm that could provide support, if needed. If a specialized job classification is required and not included on the DOTD job classification list, specify "Other (xxxx)" and include the classification title inside the parentheses. The DOTD Job Classification(s) to be used can be found at the following link:

http://wwwsp.dotd.la.gov/Inside LaDOTD/Divisions/Engineering/CCS/Job Qualification/Job%20Classifications%20with%20Descriptions.pdf

Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
Prime Consultant			
Braun Intertec Corporation	Engineer	2	4
Braun Intertec Corporation	Principal	1	2
Braun Intertec Corporation	Environmental Manager	1	1
Braun Intertec Corporation	Engineer Intern	2	4
Braun Intertec Corporation	Administrative	2	3
Braun Intertec Corporation	Laboratory Manager	2	2
Braun Intertec Corporation	Driller	2	3
Sub Consultant			
Adaptive Management and Engineering, LLC	Principal	1	1
Adaptive Management and Engineering, LLC	Engineer	1	1
Adaptive Management and Engineering, LLC	Engineer Intern	1	1
Adaptive Management and Engineering, LLC	Senior Technician	1	1
Adaptive Management and Engineering, LLC	Driller	1	1
Adaptive Management and Engineering, LLC	CADD Drafter	1	1
Adaptive Management and Engineering, LLC	Technician	1	1

(Add rows as needed)

14. Organizational Chart:

Provide an organizational chart showing ALL **relevant** prime consultant and sub-consultant (if applicable) personnel assigned to the contract, area of project responsibility for each, and reporting lines for the purposes of this contract. An individual's role does not necessarily have to match their DOTD job classification identified in Section 13.

If applicable, identify all personnel performing traffic engineering analysis and/or QC of traffic engineering analysis by placing an asterisk next to their name. Include the certificates required by the Traffic Engineering Process and Report Training Requirements article of the Advertisement in Section 20.

It is acceptable to use an 11x17 format for Section 14.

Organizational Charts for Braun Intertec Corporation (Prime) and Adaptive and Management Engineering, LLC (Sub) are included on the following pages.

Braun Intertec Corporation Louisiana Organizational Structure



Adaptive Management and Engineering, LLC Subconsultant Organizational Structure

VENU TAMMINENI, P.E.
PRINCIPAL ENGINEER/ PROGRAM MANAGER
GREGORY MATTSON, P.E.
PRO JECT LEAD ENGINEER/



15. Minimum Personnel Requirements:

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

MPR No. Do not insert wording from ad	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license / certification & number	State of license	License / certification expiration date
1	Eric McClanahan, P.E.	Braun Intertec Corporation	P.E. Civil / PE.0035519	LA	09/30/2022
2	Eric McClanahan, P.E.	Braun Intertec Corporation	P.E. Civil / PE.0035519	LA	09/30/2022
2	Trent Whitley, P.E.	Braun Intertec Corporation	P.E. Civil / PE.0043721	LA	03/31/2024
3	Alexander Brochard, P.E.	Braun Intertec Corporation	P.E. Civil / PE.0037795	LA	09/30/2023
4	Gene Lindsey	Braun Intertec Corporation	N/A	N/A	N/A
4	Justin Ator, CET	Adaptive Management and	CET, 139594	LA	02/01/2024
		Engineering, LLC			
5	Clifton Crews	Braun Intertec Corporation	N/A	N/A	N/A

<u>16. Staff Experience:</u>

Résumés shall be provided for all prime and sub-consultant personnel listed in Sections 14 and/or 15 of the proposal. Résumés of personnel not identified in Section 14 or Section 15 of the proposal should not be included and will not be evaluated. Résumés should be limited to 2 pages per person. Any certificates required by the advertisement are to be placed in Section 20.

Firm employed by Braun Intertec Corporation							
Name Eric Mc	Clanahan, P.E.		Years of relevant experience with this employer	5.25			
Title Principal	Engineer		Years of relevant experience with other employer(s)	12.25			
Degree(s) / Years	/ Specialization	Bach	nelor of Science 2005, Civil Engineering				
Active registration	n number / state / expiration date	0035	5519/LA/09-30-2022				
Year registered	2010 Discipline	Civi	l Engineering/Geotechnical				
Contract role(s) / 1	orief description of responsibilities	Busi	ness Unit Manager, Project Engineer, Manage engineering p	rojects, and			
		perfe	orm geotechnical analyses and reporting.				
Experience dates	Experience and qualifications rele	evant	to the proposed contract; i.e., "designed drainage", "design	ned girders",			
(mm/yy–mm/yy)	"designed intersection", etc. Expe	rience	dates should cover the time specified in the applicable MPR	R(s).			
02/06 - 02/08	Performed multiple pavement QC	tasks s	such as laboratory Modified/Standard Proctor, Atterberg Lin	nits, Percent			
	passing a No. 200 Sieve, CBR, Org	ganic	Content, Moisture Content, Field QC compaction and Concr	ete Testing			
	for pavements.						
02/08 - 02/16	Performed Interstate-12 Amite River Bridge Replacement engineering analysis, performed field CPT soundings,						
	performed field drilling and logging of borings, pile analysis utilizing DRIVEN, multiple Lafayette Consolidated						
	Government bridge replacements including pavement design and pile analysis.						
10/13 - 8/14	Lead QC team for CF industries de	eep for	undation analysis, slope stability analysis for Mississippi Riv	ver levee			
	crossing, backfill QC, plant heavy	haul r	oad and pavement design.				
02/15 - 12/16	2/15 – 12/16 Lead QC team for Sasol plant construction with respect to QC of concrete placement and backfill of materials.						
	Performed QC testing for driven piles including Dynamic Pile Testing, rebar placement inspection						
02/17 – Present	Performed bridge piling analysis a	nd pav	vement design for Lafayette Consolidated Government and C	City of			
	Youngsville.						

	piles. For roadway design, interpreted ADT and assigned appropriate subgrade design parameters for paving
	thickness computations using AASHTO methodology.
06/19 – 12/20	Joined Braun Intertec Corporation June 2019. Since that time, I have been the Gulf Region (East) Geotechnical Engineering Operations Manager overseeing work done by two other project/staff level engineers. My duties include geotechnical engineering analyses for various pavements, pile foundations, slope stability applications, and allowable bearing & settlement for grade-founded features on local municipal infrastructure. Additionally, I oversee the quality of our Louisiana Branch offices' geotechnical laboratory testing, accreditations, and overall compliance to company standards. I also assist in the management of various CMT projects performed as an extension of our geotechnical engineering services.
	Examples with Braun Intertec to-date include: 2021-22 City of New Iberia City of New Iberia Pavement Rehabilitation Project, Youngsville LA-89 Widening and Reconstruction, Prejean Road Flood Resilience & Paving Project, Maryview Farm Road Bridge Replacement, Andover Road Bridge Replacement, Faila Road Bridge Replacement, Jenkins Road Culvert & Approach Pavement Replacement, Bayou Vermilion CIDC Detention Ponds, South Lariviere Road and Bridge Replacement, Langlinais Estates Residential Development and Roadway Project, Cedar Hills Subdivision Pavement Reconstruction.

Firm employed by Braun Intertec Corporation						
Name Trent W	hitley, P.E.		Years of relevant experience with this employer	1.5		
Title Project E	ngineer		Years of relevant experience with other employer(s)	9		
Degree(s) / Years	/ Specialization	Bac	helor of Sciences / 2014 / Civil Engineering			
Active registration	number / state / expiration dat	e PE.0	0043721 / Louisiana / 03/31/2024			
Year registered	2019 Disciplir	e Civi	1 Engineering			
Contract role(s) / I	orief description of responsibili	ties Eng	ineer / Manage engineering projects and perform geotechnical	analyses		
		and	reporting.	-		
Experience dates	Experience and qualifications	s relevant	to the proposed contract; i.e., "designed drainage", "designe	d girders",		
(mm/yy–mm/yy)	"designed intersection", etc.	Experience	e dates should cover the time specified in the applicable MPR(s	s).		
04/22 - present	Pavement rehabilitation and v	videning of	ng of Bonin Road in Youngsville, LA; Performed pavement evaluations			
	based on ADT and gave recor	nmendatio	ns for subgrade, base, and surface course			
05/22 – present	Bridge construction of Beaver	idge in Lumberton, Texas; Supervised engineering operations	to assist			
	with design of bridge foundations and pavement recommendations					
10/19 - 12/19	10/19 – 12/19 Bridge reconstruction for Sara Street Bridge in Sulphur, LA; Supervised drilling and laboratory testing,					
	performed engineering analys	es for driv	en pile supports, and provided roadway reconstruction recomn	nendations		
4/14 - 6/14	Bridge reconstruction for Pari	sh Barn Ro	oad in Calcasieu Parish, LA; Supervised drilling and laborator	y testing,		
	performed engineering analys	es for driv	en pile supports, and provided roadway reconstruction recomn	nendations		
5/14 - 7/14	Bridge reconstruction for Rive	er Road in	Calcasieu Parish, LA; Supervised drilling and laboratory testin	ng,		
	performed engineering analyses for driven pile supports, and provided roadway reconstruction recommendations					
3/15 - 5/15	Road surfacing and bridge cor	nstruction	for Metzger in Calcasieu Parish, LA; Supervised drilling and la	aboratory		
	testing, performed engineering analyses for box culvert bridge design, and provided roadway subgrade, base,					
	and surfacing recommendatio	ns				

Firm employed by Braun Intertec Corporation						
Name Evan LeBouef				Years of relevant experience with this employer	3.25	
Title Staff Eng	gineer III			Years of relevant experience with other employer(s)	4.5	
Degree(s) / Years	/ Specialization		Back	helor of Science / 2017 / Civil Engineering		
Active registration	n number / state / exp	iration date	EI 34	4057 / Louisiana / September 30, 2022		
Year registered	2019	Discipline	Civi	1 Engineering		
Contract role(s) /	brief description of re	sponsibilities	Staff	f Engineer / Manage engineering projects, engage in field open	ations and	
			over	sight, perform geotechnical analyses and reporting.		
Experience dates	Experience and qua	alifications rele	evant	to the proposed contract; i.e., "designed drainage", "designe	d girders",	
(mm/yy–mm/yy)	"designed intersecti	on", etc. Expe	rience	e dates should cover the time specified in the applicable MPR(s).	
05/22 – present Bridge construction of Beaver Brook Bridge in Lumberton, Texas; Directed field operations and performed					rmed	
	engineering analyses to assist with design of bridge foundations.					
2/22 – 4/22 Bridge reconstruction of Maryview Farm Road Bridge in Lafayette, Louisiana; Performed engineering anal					g analyses	
to assist with design of bridge foundations and sheet pile wall embankments.						
07/21 - 03/22	USACE Comite Mc	Hugh Bridge C	Constr	uction in Baker, Louisiana; Performed deep foundation testing	g of drilled	
	shafts including pile	e integrity testin	ng (PI	T) and Cross-hole sonic logging (CSL). Observed construction	n and	
	concrete placement of 100-foot shafts. Sampled concrete and tested in accordance with ACI specifications.					
12/19 - 02/20	12/19 – 02/20 2020 City of Vidor Road Rehabilitation Project in Vidor, Texas; Managed and performed coring and soil					
	sampling. Reported existing pavement, base, and subbase thickness and compiled laboratory data/boring logs.					
03/18 - 07/18	Managed field expl	oration and per	forme	ed pavement analysis of several New Orleans, Louisiana Airpo	rt parking	
	lots. Reported design recommendations for heavy duty and light duty pavement sections utilizing AASHTO					
	methods.					

Firm employed by Braun Intertec Corporation						
Name Gene Li	ıdsey		Years of relevant experience with this employer	.5		
Title Laborator	ry Manager		Years of relevant experience with other employer(s)	21.5		
Degree(s) / Years	/ Specialization	N/A				
Active registration	number / state / expiration date	N/A				
Year registered	N/A Discipline	N/A				
Contract role(s) / l	prief description of responsibilities	Resp	oonsible for maintaining a high standard of quality.			
Experience dates	Experience and qualifications rel	evant	to the proposed contract; i.e., "designed drainage", "designed	ed girders",		
(mm/yy–mm/yy)	"designed intersection", etc. Expe	erience	dates should cover the time specified in the applicable MPR((s).		
05/22 - 05/22	Bridge reconstruction of Beaver B	brook E	Bridge in Orange, Texas; Supervised laboratory testing operation	ion and		
	calculations.					
08/21 - 10/21	Calcasieu River Bridge Replacem	ent in]	Lake Charles LA. Supervised and performed standard and ad	vanced		
	laboratory testing operation and calculations.					
10/19 - 12/19	Bridge reconstruction for Sara Str	eet Bri	dge in Sulphur, LA; Performed standard and advanced labora	tory		
	testing and calculations.					
04/14 - 06/14	Bridge reconstruction for Parish B	arn Ro	oad in Calcasieu Parish, LA; Performed standard and advance	d		
	laboratory testing and calculations.					
05/14 - 07/14	Bridge reconstruction for River Road in Calcasieu Parish, LA; Performed standard and advanced laboratory					
	testing and calculations.					
03/15 - 05/15	Road surfacing and bridge constru	iction f	for Metzger in Calcasieu Parish, LA; Performed standard and	advanced		
	laboratory testing and calculations	.				

Firm employed by	Firm employed by Braun Intertec Corporation							
Name Clifton C	Crews		Years of relevant experience with this employer 4					
Title Gulf Divi	ision Drilling Supervisor		Years of relevant experience with other employer(s) 18					
Degree(s) / Years	/ Specialization	Drill	ing Supervisor					
Active registration	n number / state / expiration date							
Year registered Discipline								
Contract role(s) / brief description of Dri		Drill	ing Supervisor for Braun Intertec Gulf Division					
responsibilities								
Experience dates	Experience dates Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , "designed drainage", "designed girders",							
(mm/yy–	yy– "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).							
mm/yy)								
01/99 - 01/17	Conducted subcontract drilling ser	vices	throughout the states of Louisiana and Texas. Performed da	rilling and				
	sampling operations utilizing Shell	by Tu	bes, SPT, Pitcher Sampler, Coring of Lignite and Wilcox C	lay				
	formations in North Louisiana and	Texa	s. Performed Continuous sampling and interval sampling u	tilizing dry				
	auger, hollow stem auger, and rota	ry wa	sh methodology.					
01/17 - Present	Conducted drilling services for Bra	aun In	tertec throughout the states of Louisiana and Texas. Perfor	med drilling				
	and sampling operations utilizing S	Shelby	y Tubes, SPT, Pitcher Sampler, Coring of soil-cement colun	nns				
	throughout south Louisiana and so	utheas	st Texas. Operated CPT rig and reported information collect	eted to				
	project engineer for analysis and ir	nterpro	etation. Performed Continuous sampling and interval sampl	ling				
	utilizing dry auger, hollow stem au	ıger, a	and rotary wash methodology.					

Firm employed by	Firm employed by: Adaptive Management and Engineering, LLC									
Name Venu Ta	mmineni, PE			Years of relevant experience with this employer	3					
Title Principal/	President		-	Years of relevant experience with other employer(s)	15					
Degree(s) / Years /	Specialization		Mast	Master of Civil Engineering/2005/Geotechnical Engineering						
Active registration	number / state / expir	ation date	PE 3	6864/LA/9-30-2022						
Year registered	2012	Discipline	Civil	Engineering/Geotechnical						
Contract role(s) / b	rief description of res	ponsibilities	Princ	Principal / Mr. Tammineni will direct and provide technical guidance to						
			geote	geotechnical investigation, laboratory work, and geotechnical engineering						
			desig	gn.						
Experience dates	Experience and qua	lifications rele	vant t	to the proposed contract; <i>i.e.</i> , "designed drainage", "designe	d girders",					
(mm/yy–mm/yy)	"designed intersection	"designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).								
01/20 - 12/21	City of East Baton	City of East Baton Rouge and Parish of East Baton Rouge, City-Parish Project NO. 20-CP-HC-0004;								
	Baton Rouge, LA:	Mr. Tammine	eni pr	ovided pavement design recommendations for the proposed	pavement					
	expansion for the Hig	ghland Road at	Siege	n Lane/Burbank Drive intersection. As a consultant to Fourrier &	& de Abreu					
	Engineers, LLC (FI	DAE), Mr. Ta	mmin	eni coordinated all aspects of the project including, but r	not limited					
	preparation of the proposal for the project, discussion with the design team, obtaining DOTD permit, executing field									
	exploration program	i, assigning lat	porato	ry tests, performing pavement analyses, and preparing the ge	eotechnical					
	report that has been i	reviewed and a	ccepte	ed by the design team.						
03/22 - 04/22	City of Patterson,	Patterson 202	22 Sti	reet Improvements; St. Mary Parish, LA: Mr. Tamminen	ii provided					
	pavement design reco	ommendations	for the	e proposed pavement improvements for various streets through	but the City					
	of Patterson. Mr. Ta	immineni coor	dinate	d all aspects of the project including, but not limited prepara	ition of the					
	proposal for the pro	ject, discussion	n with	the design team, assigning laboratory tests, laboratory testin	ig QA/QC,					
01/19 02/19	City of Ways and ill	Character Mate	i prepa	aning the geotechnical report.						
01/18 - 02/18	Vouvo or villa plannad	, Chemin Mei	airie f	arkway and Detente Road Roundabout; Youngsville, LA:	The City of and Détente					
	Pood The roundabou	to construct a l	rounda	footprint than the intersection and will require installation of ad	ditional fill					
	to match grades Pl	anned and eve	outed	field exploration and provided recommendations for rigid a	nd flevible					
	novements for the pr	oiect (Experie	nce w	ith previous employer)	nu nexiole					
06/16 - 09/16	Causeway Boulevar	rd - Farhart F	vnres	sway Interchange: New Orleans LA: Coordinated the drillir	ησ					
00/10 - 00/10	activities for limited	soil borings for	the p	roject Three-inch diameter soil samples were obtained using a t	thin-walled					
	tube and piston sam	pler Soil strat	ioranh	was highly variable and layered and required close monito	ring of the					
	drilling crews to obta	ain quality soil	samp	les. (Experience with previous employer)	ing of the					
11/14 - 02/15	St. Landry Parish S	Smooth Ride F	Iome	- Phases II-A and II-B: St. Landry Parish, LA: Project inch	uded					
	improving the condit	tion of several	roadw	ays throughout the parish. Coordinated the field investigation a	and					
	provided recommend	dations for the	roadw	ay improvements including soil-lime and soil-cement stabiliza	tion.					
	(Experience with pre	evious employe	er)							

04/11 - 06/11	Phase II Apron Pavement Improvements, Lafayette Regional Airport, Lafayette, LA: Project involved
	replacing the existing asphalt pavement apron with a new asphalt or concrete pavement apron to accommodate
	airplanes. Recommendations for CBR and modulus of subgrade reaction for design were provided. (Experience
	with previous employer)

Firm employed by	: Adaptive Management and Engine	ering,	, LLC					
Name Gregory	Mattson, II, P.E.		Years of relevant experience with this employer	1.5				
Title Project L	ead Engineer	-	Years of relevant experience with other employer(s)	8				
Degree(s) / Years	/ Specialization	M.S.	. Civil and Environmental Engineering/2014/Geotechnical Eng	gineering				
Active registration	n number / state / expiration date	PE 4	2397/LA/9-30-2022					
		Traf	Traffic Control Technician/LA/11-14-2023					
Year registered	2018 Discipline	Civi	l Engineering/Geotechnical					
Contract role(s) / 1	orief description of responsibilities	Proje	ect Engineer / Mr. Mattson will provide field assistance as nee	ded,				
			ide laboratory data QA/QC, and conduct the engineering analy	vses and				
			rting.					
Experience dates	Experience and qualifications rele	vant 1	to the proposed contract; <i>i.e.</i> , "designed drainage", "designed	1 girders",				
(mm/yy–mm/yy)	"designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).							
03/22 - 04/22	City of Patterson, Patterson 202	2 Str	reet Improvements; St. Mary Parish, LA: Mr. Mattson ass	sisted with				
	pavement design recommendations for and provided laboratory testing QA/QC. Additionally, he provided							
	technical review for the geotechnical report.							
01/22-03/22	1,4Group, Inc Proposed Wareh	iouse	and Plant Facility; Ascension Parish, LA: This project	t involved				
	supporting pavement infrastructur	e for	heavily loaded vehicles to access a proposed warehouse fa	cılıty. Mr.				
	Mattson was the on-site field engr	ineer	for the boring conducted as part of the field exploration. Ad	ditionally,				
	provided QA/QC for laboratory tes	sting a	and boring logs, generated project figures, assisted with rigid an	nd flexible				
01/20 02/20	pavement analyses, and drafted the	geote	echnical report.					
01/20 - 02/20	Mickim and Creed, PWS Irinit	y De	rby Brine Pipeline; Frio County, IX: Mickim and Creed	1s moving				
	treates. This phase of the project in	aluda	a two LIDD crossings, one at the Eric Diver and the other at In	torratata 25				
	and a railroad. The field exploration		s two HDD crossings, one at the Frio River and the other at in	0 foot coil				
	horings Mr. Mattson coordinate	1 pros	the align t's project manager and developed the proposal	v provided				
	laboratory data OA/OC ; assisted	u with	HDD recommendations; and assembled the GDR (Experi-	ence with				
	nrevious employer)	vv 1t11	TIDD recommendations, and assembled the ODK. (Expen	CHEC WITH				
04/19 - 06/19	Jack and Bore for Dredge Mater	ial Pi	neline: Cameron Parish LA: The project involved a propose	d Jack and				
01/12 00/12	Bore location for a dredge materi	al nin	eline road crossing in Cameron LA Mr Mattson provided	laboratory				
	OA/OC, conducted geotechnical at	nalvse	es, and drafted the report. (Experience with previous employer))				
			s, and analised the report. (Experience with previous employer)					

Firm employed by	: Adaptive Managem	nent and Engine	ering,	LLC					
Name Michael	McKinney			Years of relevant experience with this employer	2				
Title Operation	ns Manager/Driller		-	Years of relevant experience with other employer(s)	21				
Degree(s) / Years	/ Specialization		N/A	N/A					
Active registration	n number / state / exp	iration date	Wate	er Well Contractor/LA/6-30-2022					
Year registered	2012	Discipline	Geot	Geotechnical Field Services					
Contract role(s) / l	orief description of re	esponsibilities	Field	Field Services Manager/Mr. McKinney is a Water Well Contractor who will					
			drill,	and/or coordinate all field exploration. He also serves as a sat	iety				
			mana	ager and Traffic Control Supervisor.					
Experience dates	Experience and qua	alifications rele	evant t	to the proposed contract, <i>i.e.</i> , "designed drainage", "designed	d girders",				
(mm/yy-mm/yy)	"designed intersecti	ion", etc. Expe	rience	dates should cover the time specified in the applicable MPR(s	s).				
03/22 - 04/22	City of Patterson,	Patterson 202	2 Stro	eet Improvements; St. Mary Parish, LA: Mr. McKinney c	oordinated				
	assisted with lab tes	sting for the pro-	ject.	for the project. He oversaw the completion of 8 roadway soil b	orings and				
01/20 - 12/21	City of East Baton	Rouge and Pa	rish o	of East Baton Rouge, City-Parish Project NO. 20-CP-HC-0	004;				
	Baton Rouge, LA: Mr. McKinney coordinated and oversaw the field exploration for the project. Temporary lane								
	closures had to be made for the completion of soil borings in the roadway. All field exploration was completed								
	per MoveBR standa	ards.							
06/16 - 09/16	Lake Charles, LA	Pavement In	iprov	ement; Calcasieu Parish, Louisiana: Served as the senior	driller for				
	multiple parish hig	hways and roa	ids. H	e coordinated drill rig and other equipment mobilization, d	rilled, and				
	sampled various hig	ghways and par	vemen	it types throughout Calcasieu Parish. Mr. McKinney oversaw	the coring				
	and measurement of	t aspnalt, concre	ete, an	d base material. After knowing the pavement and base course d	Imensions,				
	requirements All fi	ig and son sam	ping i	a completed in accordance with I A DOTD standards. (Exper	LADOID				
	previous employer)	leid exploration	is wer	e completed in accordance with LA DOTD standards. (Exper	lence with				
11/16 - 12/16	I-49 future Corrid	or Overnass F	xpan	sion Project DOTD: New Iberia Parish. Louisiana: Worke	d as senior				
	driller for the geo	technical inve	stigati	on for the I-49 expansion and overpass. Mr. McKinney	completed				
	geotechnical sampli	ing for deep for	undati	ons and overpass construction. All field explorations were co	mpleted in				
	accordance with LA	A DOTD standa	rds. (H	Experience with previous employer)	-				
04/14 - 05/14	HWY 10 Bridge f	for DOTD, St.	Fran	cisville, Louisiana: Senior Driller for a Bridge replacemen	t site. Mr.				
	McKinney assisted	with the mobil	izatio	n, drilling, and soil sampling for four 100' soil borings. He o	versaw the				
	coring and measures	ment of asphalt	, conc	oncrete, and base material. After pavement and base course dimensions were					
	selected, he comple	eted drilling and	l soil s	sampling those locations, patching the road back after comple	tion as per				
	LADOTD requirem	nents. All fiel	d exp	lorations were completed in accordance with LA DOTD	standards.				
	(Experience with pr	revious employ	er)						

08/12 - 11/12	Gonzales, LA Pavement Improvement DOTD, Ascension Parish, Louisiana: Senior Driller for multiple
	parish highways and roads. Mr. McKinney assisted with the mobilization, drilling, and soil sampling for various
	highways and pavement types throughout Ascension Parish. He oversaw the coring and measurement of asphalt,
	concrete, and base material. After the pavement and base course dimensions were selected, he completed drilling
	and soil sampling those locations, patching the road back after completion as per LADOTD requirements. All field
	explorations were completed in accordance with LA DOTD standards. (Experience with previous employer)
08/12 - 04/11	I-12 Bridge Expansion Project DOTD, Denham Springs, Louisiana: Served as a senior driller for the
	geotechnical investigation for the I-12 expansion and lane widening for the portion that crosses the Amite River.
	Mr. McKinney assisted with multiple mobilizations, drilling, and soil sampling for project field investigations,
	including CPT soundings and drilling for the end bents and for a group of deep foundation locations. All field
	explorations were completed in accordance with LA DOTD standards. (Experience with previous employer)

Firm en	nployed by	: Adaptive Managen	nent and Engine	eering,	, LLC			
Name	Justin A	tor, CET			Years of relevant experience with this employer	1		
Title	Laborato	ry Manager/Senior T	echnician		Years of relevant experience with other employer(s)	13		
Degree((s) / Years	/ Specialization		N/A				
Active 1	registration	n number / state / exp	iration date	CET	T 139594/LA/2-1-2024			
Year reg	gistered	2012	Discipline	Geot	technical Laboratory Testing			
Contrac	t role(s) /	brief description of re	esponsibilities	Labo	oratory Manager/Mr. Ator will oversee all laboratory testing an	nd will		
				perfo	orm specialized laboratory testing. He will provide data entry f	for lab		
tes				testi	ng, produce boring logs, and will QA/QC all test results.			
Experie	nce dates	Experience and qu	alifications rele	evant t	to the proposed contract; <i>i.e.</i> , "designed drainage", "designed	d girders",		
(mm/yy	<u>/-mm/yy)</u>	"designed intersection	ion", etc. Expe	rience	e dates should cover the time specified in the applicable MPR(s	5).		
03/22	03/22 - 04/22 City of Patterson, Patterson 2022 Street Improvements; St. Mary Parish, LA: Mr. Afor provided geotechnical							
		laboratory testing a	nd oversight fo	or the	project. He generated boring logs and performed QA/QC on	all testing		
01/22	performed.							
01/22	- 03/22	1,4Group, Inc Proposed Warehouse and Plant Facility; Ascension Parish, LA: Mr. Ator performed						
		geotechnical labora	r a proposed w	rohor	2C for 8 son bornigs and 15 CP is. The project involved right a	nd nexible		
8/20	- 10/20	Flat I also Sedimer	tation Study	$\frac{1000}{51}$	use facility. ary Parish I A: Mr. Ator performed moisture content, density	Atterborg		
0/20	- 10/20	limits fines content	t hydrometer a	nalvsi	s organics column-settling and low-stress consolidation test	, Alleroerg		
08	8/19	Premier Geotech a	nd Testing Ll		s, organies, column setting and low success consortation test.	consultant		
		laboratory testing of	of 72 soil same	oles fo	or USCS classification, moisture content, density. Atterberg	limits, and		
		unconfined compre	ssive strength.					
05/19	- 06/19	Weeks Marine, In	c., Jack and B	ore fo	r Dredge Pipeline and Booster Pump Stations; Cameron Pa	arish, LA:		
		Mr. Ator managed	and performe	d labo	pratory testing for undisturbed samples including USCS class	ssification,		
		moisture content, d	lensity, Atterbe	erg lin	nits, fines content, hydrometer analysis, and unconsolidated	-undrained		
		triaxial shear streng	,th.					
6/18	- 8/18	Bayou Long Pum	p Station, Atcl	hafala	ya Basin, LA: Mr. Ator performed field investigation, trans	ported soil		
		samples to the labo	ratory, complet	ted ext	trusions and performed moisture content, density, Atterberg li	mits, fines		
		content, hydromete	r analysis, and	unco	nsolidated-undrained triaxial shear strength on samples assig	ned by the		
		project engineer.						

Firm employed by	y: Adaptive Managem	ent and Engine	eering, Ll	LC				
Name Ryan W	illiamson, EI		Y	ears of relevant experience with this employer	1.5			
Title Engineer	Intern/Field Enginee	r	Y	ears of relevant experience with other employer(s)	3			
Degree(s) / Years	/ Specialization		B.S C	Civil Engineering/2017/Geotechnical Engineering				
Active registration	n number / state / expi	iration date	EI 3362	23/LA/9-30-2022				
			Traffic	Control Supervisor/LA/11-14-2023				
Year registered	2018	Discipline	Civil E	ngineering/Geotechnical				
Contract role(s) / brief description of responsibilities				er Intern / Mr. Williamson will coordinate, oversee, and log	, soil			
			samples	s during field explorations. He will assist with boring logs,	CPT logs,			
	-		laborate	bry data QA/QC, drafting figures, analyses, and reporting.				
Experience dates	Experience and qua	alifications rele	evant to t	the proposed contract; <i>i.e.</i> , "designed drainage", "designe	d girders",			
(mm/yy–mm/yy)	m/yy) "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).							
03/22 - 04/22	City of Patterson,	Patterson 202	2 Street]	Improvements; St. Mary Parish, LA: Mr. Williamson as	sisted with			
	pavement design recommendations for the proposed pavement improvements for various streets throughout the							
	City of Patterson. Mr. Williamson acted as the field engineer for the project, collecting and logging high quality							
	soil samples while	overseeing fiel	d explora	ation. He provided laboratory testing QA/QC, generated b	oring logs,			
	report figures, ran p	avement analy	ses, and p	prepared the geotechnical report.				
01/22-03/22	1,4Group, Inc Pro	oposed Ware	house ar	nd Plant Facility; Ascension Parish, LA: This projec	t involved			
	supporting pavement	nt infrastructui	re for he	avily loaded vehicles to access a proposed warehouse ta	cility. Mr.			
	Williamson assisted	with the CPI	portion	of the field exploration, provided QA/QC for laboratory is	lesting and			
	bornig logs, genera	ated project in	gures, as	ssisted with right and nexible pavement analyses, and o	iraned me			
04/10 06/10	Joek and Bare for	Duadaa Matar	ial Dinal	ing Company Davish I A. The project involved a property	d Iaals and			
04/19 - 00/19	Boro location for	dradaa mata	rial pipel	line, Cameron Parisn , LA: The project involved a propose	a Jack and			
	laboratory testing a	nd boring log	$\Omega \Lambda / \Omega C$	geotechnical analyses and report text and figures (Exper	rience with			
	previous employer)	nd boring log	QA/QC,	geotechnical analyses, and report text and rightes. (Exper	lence with			
01/18 - 02/18	City of Voungsville	e Chemin Me	tairie Pa	rkway and Détente Road Roundabout: Voungsville, LA	• The City			
01/10 02/10	of Youngsville plan	ned to constru	ct a roun	adabout at the existing intersection of Chemin-Metairie Pa	rkway and			
	Détente Road The	roundabout wi	ll have a	larger footprint than the intersection and will require inst	tallation of			
	additional fill to ma	tch grades M	Willian	nson collected and logged soil samples while overseeing d	rilling He			
	assisted with analys	es to provide i	ecomme	ndations for rigid and flexible pavements for the project. (1)	Experience			
	with previous emplo	over)		3	1			
L		- /						

<u>17. Firm Experience:</u>

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

Firm name	Braun Intertec C	Braun Intertec Corporation				rmance Evalı	uation Discipline	(s)* Geo	otech	
Project name	Bajat Road Bri	dge Replacen	nent				Firm responsib	ility (prim	e or sub?)	Prime
Project number	· N/A		Owner's	s name	Lafayet	te Consolidat	ed Government			
Project location Lafayette Parish						Owner's Pro	oject Manager	Fred Tra	han	
Owner's address	ss, phone, email	705 West U	niversity,	Lafayet	tte Louisia	na, 70506, 33	37.291.8200, <u>fjtra</u>	ahan@lafa	iyettela.gov	7
Services comm	enced by this firm	n (mm/yy)	05/19	Total c	consultant	contract cost	(\$1,000's)		12	
Services completed by this firm (mm/yy) 08/19 Cost				Cost of	Cost of consultant services provided by this firm (\$1,000's) 12					
D 1 1	· · · 1 1 · · · 1	C [•] , 1	1 1	•	1 1 /II'	11.14 4 664	1 1. 1.	1)	``````````````````````````````````````	

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

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

Mr. Eric McClanahan, P.E. of Braun Intertec was directly responsible for this project. Braun Intertec personnel were responsible for drilling to depths of 100 feet along each side of the bridge to be replaced. Samples were taken continuously to the 15-ft. depth and then on 5-ft. centers thereafter to the termination depth of the borings. In addition, Braun Intertec performed pavement borings to depths of 8-ft. below existing grade for pavement design purposes.

Soil samples from all borings were taken via split spoon and Shelby tube methods in accordance with ASTM procedures. Samples were tested for California Bearing Ratio, unconfined compression, particle size distribution, Atterberg limits, organic contents, moisture contents, and undrained unconsolidated triaxial testing.

Logs of the borings were developed by Braun Intertec engineers for interpretation of the subsurface stratum and for the development of pile capacity curves for various size piles considered for the project. In addition, Braun Intertec's engineers performed a pavement analysis utilizing the traffic information provided to Braun's engineers by Lafayette Consolidated Government personnel. Braun engineers performed slope stability analysis for the side ditches to be cut for drainage and provided recommendations for upkeep and regular maintenance of the side slopes. Recommendations for construction and quality control during construction were provided to Lafayette Consolidated Government for the bridge replacement.

Firm name	Braun Intertec C	Braun Intertec Corporation				Past Performance Evaluation Discipline(s)* Geotech				
Project name Lafayette School Bus Shop Pavement Reh				t Rehabi	abilitation Firm responsibility (prime or			ility (prime or s	ub?)	Prime
Project number N/A Owner's na				s name	Lafayet	afayette Parish School Board				
Project location Lafayette Parish						Owner's Pro	ject Manager	Ian Brown		
Owner's address	ss, phone, email	516 E Pinho	ok Rd, L	afayette,	LA 7050	1, 337.232.03	14, ilbrown@lps	ssonline.com		
Services commenced by this firm (mm/yy) 08/20			Total co	Total consultant contract cost (\$1,000's)			7			
Services compl	eted by this firm	(mm/yy)	11/20	Cost of	consultar	nt services pro	ovided by this fir	m (\$1,000's)	7	

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

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

Mr. Eric McClanahan, P.E. of Braun Intertec was directly responsible for this project. Braun Intertec personnel were responsible for drilling to depths of 10-ft. within the pavement areas to be rehabilitated Prior to drilling, Braun Intertec personnel conducted concrete coring to facility drill rig access to the underlying soils. Samples were taken continuously to the 10-ft. depth below existing grade for pavement design purposes.

Soil samples from all borings were taken via split spoon and Shelby tube methods in accordance with ASTM procedures. Samples were tested for California Bearing Ratio, unconfined compression, particle size distribution, Atterberg limits, organic contents, and moisture contents.

Logs of the borings were developed by Braun Intertec engineers for interpretation of the subsurface stratum and for the development of pavement analysis for both rigid pavement and flexible pavement applications. Recommendations for construction and quality control during construction were provided to the Lafayette Parish School Board for the pavement rehabilitation.

Firm name	Braun Intertec	Braun Intertec				Past Performance Evaluation Discipline(s)* Geotec			Geotech		
Project name	name Williams Access Road Bridge Replacemen						Firm responsibi	ility (j	prime or sul	o?)	Prime
Project number	ect number PO# 20046-001 Owner's nar					e Patriot Construction and Industrial					
Project location Washington, Louisiana						Owner's Pro	ject Manager	Kev	in Gourges		
Owner's address	ss, phone, email	1913 West S	Shore Ave	enue, Su	uite A, Por	t Allen, Louis	iana, <u>KevinG@</u> p	oatrio	t-constructio	on.co	<u>m</u>
Services commenced by this firm (mm/yy) 05/21 Tota				Total c	otal consultant contract cost (\$1,000's)				10		
Services compl	eted by this firm	(mm/yy)	07/21	Cost o	Cost of consultant services provided by this firm (\$1,000's)			,000's)	10		

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

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

Mr. Alex Brochard, P.E., was the project manager and engineer for the above referenced project. The project comprised a geotechnical evaluation for the proposed STA. 54 Well Pad #14 access bridge replacement project within Williams Companies natural gas storage facility located inside Thistlethwaite Wildlife Management Area near Washington, Louisiana.

The replacement bridge consisted of a new 14-ft wide by 100-ft long, four-span reinforced concrete deck bridge supported on 14-inch square, precast, prestressed concrete piles. The bridge structure was primarily used for recreational traffic and 18-wheeler natural gas tanker loadings.

Services Provided: Braun Intertec was selected by Patriot Construction to provide geotechnical engineering services for this project. Our geotechnical engineering services included performing site reconnaissance and field observation; conducting soil borings and sampling; performing laboratory testing to evaluate classification, strength and other engineering characteristics of the subsurface materials; performing engineering analyses and providing geotechnical recommendations for the reconstructed bridge foundation. Our geotechnical analyses and recommendations included square precast concrete piles for the new bridge foundation.

Analyses for the square precast concrete piles were made to estimate the ultimate compressive and tensile load capacities for various embedments supporting the proposed bridge considering the subsurface soil conditions encountered and the mudline elevations and scour assumptions developed based on cross-section surveys of the bridge crossing. Analyses were performed using basic principles of the Static Analysis Method using Ensoft, Inc.'s APile software, 2019/v9. Our geotechnical report addressed pile installation recommendations, pile hammer recommendations, and the testing program to verify the axial load capacities selected for the design.

Firm name	Braun Intertec	Braun Intertec			Past Performance Evaluation Discipline(s)* Geotech			Geotech		
Project name	ne City Wide Asphalt Roadway Rehabilitatio				on Program – New Firm responsibility (prime or			orime or sub	?) Prime	
	Iberia, LA	beria, LA								
Project number	ber N/A Owner's nat				me City of New Iberia (Braun's Client: BHA Engineering)					
Project location New Iberia, Louisiana					Owner's Project Manager John Charpentier, P.E.			r, P.E.		
Owner's address	s, phone, email	3401 W Adm	iral Doyle	Dr, New	[,] Iberia, LA	A 70560, (337)	367-1408, jcharpe	entier@	<i>w</i> bhaenginee	ring.com
Services commenced by this firm (mm/yy) 01/2			01/22	Total consultant contract cost (\$1,000's)					17.5	
Services compl	eted by this firm	(mm/yy)	04/22	Cost of consultant services provided by this firm (\$1,000's)				,000's)	17.5	

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.) * If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.

Mr. Alex Brochard, PE, Braun Intertec's project manager and engineer for the referenced project, contracted with Berard, Habetz & And Associates for the referenced project. Berard, Habetz & Associates (BHA), the civil engineer for the project, engaged Braun Intertec Corporation to perform geotechnical consulting services for the subject project. The project involved full rehabilitations along 17 existing roadways which specifically comprised reconstruction of base and asphalt courses.

In general, the pavement reconstruction generally comprised milling/removal of the existing asphaltic pavements; pulverizing remaining pavements into the existing base; cement-stabilizing (lime treating when necessary) the pulverized base components and subgrade; and applying new asphaltic binder and surface course pavements. In areas where traffic counts were not available, Mr. Brochard (during the field program) observed the general traffic conditions and developed ADT based on observations, published ADT counts for roadway classifications, and available resources.

Services Provided: Braun Intertec's services included selection of the appropriate field exploration program, performance of drilling & laboratory testing, and development of engineering pavement design & applicable construction recommendations based on the available traffic considerations given by BHA. Our geotechnical engineering services included performing site reconnaissance and field observations; conducting 47 soil borings and sampling of various streets to identify existing pavement conditions & subgrade classifications; performing laboratory testing to evaluate classification, strength and other engineering characteristics of the subsurface materials; performing engineering analyses and providing design thickness recommendations for the reconstructed roadways. Specifically, our engineering efforts included estimation of appropriate CBR and M_R values for each roadway alignment, assignment of appropriate axle loadings and total flexible pavement E-18s, and development of appropriate section components and thicknesses to satisfy the traffic demands. Pavement analyses were performed using AASHTO design standards. The construction recommendations were developed based on the 2016 LSSRB guidelines for in-place stabilization per applicable requirements of Sections 303 and 304. Braun Intertec was also selected to perform Construction Materials Testing (Asphalt & Base) for the project which began May 2022.

Firm name	Braun Intertec				Past Performance Evaluation Discipline(s)*Geotech				
Project name	Maryview Farm	Road Bridg	e Replac	ement,	Lafayette	Louisiana	Firm responsib	ility (prime or su	ub?) Prime
Project number	N/A		Owner'	s name	Lafayet	te Consolidate	ed Government		
Project location Lafayette, Louisiana						Owner's Pro	oject Manager	Martin Poirrier	;, P.E.
Owner's address	Owner's address, phone, email 705 West University, Lafayette Louisiana, 70506, 337.291.8200, mporrier@lafayettela.gov								
Services comm	enced by this firm	(mm/yy)	03/22	Total c	consultant	contract cost	(\$1,000's)		15
Services compl	eted by this firm	(mm/yy)	05/22	Cost o	f consultar	nt services pro	ovided by this fir	m (\$1,000's)	15

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.) * If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.

Mr. Alex Brochard, P.E. and Mr. Evan LeBouef, E.I. were contracted through Lafayette Consolidated Government for the above referenced project. The project consists of the construction of a new 32-ft wide by 150-ft long, six-span reinforced concrete deck bridge supported on 16-inch square, precast, prestressed concrete piles. The new bridge planned to be supported on seven bents with 25-ft spacing. The project also includes cantilevered bulkhead steel sheet piling for protection along the riverbank near the new bridge structrue.

Services Provided: Braun Intertec was selected by Lafayette Consolidated Government (LCG) for providing geotechnical engineering services for this project. Our geotechnical engineering services included performing site reconnaissance and field observation; conducting soil borings and sampling; performing laboratory testing to evaluate classification, strength and other engineering characteristics of the subsurface materials; performing engineering analyses and providing geotechnical recommendations for the reconstructed bridge foundation. Our geotechnical analyses and recommendations included square precast concrete piles for the new bridge foundation and cantilever sheet pile retaining walls along the bridge embankment. Additional borings were performed on each side of the bridge for evaluation of the existing pavement conditions.

Analyses for the square precast concrete piles were made to estimate the ultimate compressive and tensile load capacities for various embedments supporting the proposed bridge considering the subsurface soil conditions encountered and the cross-section survey of the bridge crossing. Analyses were performed using basic principles of the Static Analysis Method using Ensoft, Inc.'s APile software, 2019/v9.

To analyze the retaining sheet piles, a cantilever wall condition was modeled for the soil conditions encountered on each side of the river and the provided mudline elevations. Minimum penetration depth of the sheet piles, the scaled deflection at the top of the wall, and the moment along the length of the sheet pile was determined in our analysis.

Firm name	Adaptive Management and Engineering,		, P	Past Performance Evaluation Discipline(s)*		(s)*	Geotech			
	LLC									
Project name	Proposed Pavement Expansion	for the H	ighland I	I Road at Siegen Firm responsibility (ility (p	orime or sul	b?)	Sub	
L.	Lane/Burbank Drive Intersection			-						
Project number 20-CP-HC-0004 Owner's nam			s name	City of Baton Rouge and Parish of East Baton Rouge						
Project location Baton Rouge, LA					Owner's Pro	ject Manager	Sene	ca Toussan	t, P.1	E.
Owner's address	ss, phone, email 343 Third S	treet, Suit	e 511B, 1	225-960-	1160; <u>stoussa</u>	nt@laterre-eng.c	<u>com</u> (I	Design Tea	m Co	ontact)
Services commenced by this firm (mm/yy) 01/20 Tota			Total co	onsultant	contract cost	(\$1,000's)				
Services completed by this firm (mm/yy) 03/22 Cost			Cost of	Cost of consultant services provided by this firm (\$1,000's) \$25						
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)										

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

The project consists of several options to increase turn lanes, increase storage lengths, and provide additional capacity through the Highland Road and Siegen Lane/Burbank Drive intersection. Mr. McKinney coordinated and oversaw the field exploration for the project, which included 8 soil borings and a hand auger. Field exploration was completed on the existing pavement by Mr. McKinney, which required traffic control. Mr. Tammineni provided pavement design recommendations for the proposed pavement expansions. Mr. Tammineni coordinated all aspects of the project including, but not limited to preparation of the proposal for the project, discussion/coordination with the design team, obtaining DOTD permit, executing field exploration program, assigning laboratory tests, performing pavement analyses, and preparing the geotechnical report that has been reviewed and accepted by the design team.

Firm name	Adaptive Management and Engineering,		Past Performance Evaluation Discipline(s)*		(s)*	Geotech		
	LLC							
Project name	Patterson 2022 Street Impro	vements			Firm responsib	ility (pı	rime or sub	o?) sub
Project number	N/A	Owner's name	e City of I	Patterson				
Project location	1 St. Mary Parish, LA			Owner's Pro	ject Manager	Melar	nie Caillou	et, PE
Owner's address	ss, phone, email 1297 St.	Charles Street, Su	ite H, Houm	a, Louisiana '	70360, 985-876-	-6380,		
	MelanieC	aillouet@Provider	nceEng.com					
Services comm	enced by this firm (mm/yy)	03/22 Total	consultant o	contract cost ((\$1,000's)			
Services compl	eted by this firm (mm/yy)	04/22 Cost	of consultan	t services pro	vided by this fir	m (\$1,0	000's)	\$8
Describe the pr	oject including the firm's role	and members inv	volved. (Hig	ghlight staff to	o be used in this	propos	sal.)	
_								
* If there is mo	re than one past performance	evaluation discip	line included	l in the propo	sal, then indicate	e which	n past perfo	ormance
evaluation discipline(s) this project is being used to represent.								
The City of Patterson is conducting roadway improvements for selected roads throughout the city. The roadway surfaces are								
currently asphalt or crushed limestone wearing surface, with an aggregate and sand base layer present in some locations. The asphalt								

surface layer has degraded in multiple locations, exposing the crushed limestone base. AME performed 8 soil borings on the existing roadways in support of a new pavement design. The field explorations were coordinated and overseen by Mr. McKinney. A full suite of laboratory testing was performed on the thin-walled tube samples. Mr. Ator oversaw and performed QA/QC on all laboratory testing, and generated soil boring logs for the project. Engineering design and reporting was overseen by Mr. Tammineni.

Adaptive Management and Engineering,			<u>,</u>	Past Performance Evaluation Discipline(s)*		(s)*	Geotech		
1,4Group, Inc Proposed Warehouse Facility			lity			Firm responsib	ility (Į	prime or su	b?) sub
N/A Owner's nat			s name	1.4Grou	p,Inc.				
Project location Ascension Parish, LA					Owner's Pro	ject Manager	Gary	v Leonards,	PE,
Owner's address, phone, email 1297 St. Charles Street, St			et, Suite	H, Houm	a, Louisiana 7	0360, 225-766-	7400,		
GaryLeonards@ProvidenceEng.com									
Services commenced by this firm (mm/yy) 0			Total consultant contract cost (\$1,000's)						
Services completed by this firm (mm/yy) 03.			Cost of	f consultan	t services pro	vided by this fir	m (\$1	,000's)	\$27
	ive Manage oup, Inc Pro cension Pari le, email by this firm this firm	ive Management and En Dup, Inc Proposed Wareh cension Parish, LA le, email 1297 St. Cha GaryLeonard by this firm (mm/yy) this firm (mm/yy)	ive Management and Engineering Dup, Inc Proposed Warehouse Faci Owner's cension Parish, LA le, email 1297 St. Charles Street GaryLeonards@Prover by this firm (mm/yy) 01/22 this firm (mm/yy) 03/22	ive Management and Engineering, pup, Inc Proposed Warehouse Facility Owner's name cension Parish, LA le, email 1297 St. Charles Street, Suite GaryLeonards@ProvidenceE by this firm (mm/yy) 01/22 Total of this firm (mm/yy) 03/22 Cost of	ive Management and Engineering, Past Performan Past Performan Parish, LA	ive Management and Engineering, Past Performance Evalue Past Performance Evalue Past Performance Evalue Past Performance Evalue Owner's name 1.4Group,Inc. Cension Parish, LA Owner's Pro- le, email 1297 St. Charles Street, Suite H, Houma, Louisiana 7 GaryLeonards@ProvidenceEng.com ProvidenceEng.com Past Performance Evalue Owner's Pro- Dy this firm (mm/yy) 01/22 Total consultant contract cost (this firm (mm/yy) 03/22 Cost of consultant services pro- Past Performance Evalue Past Performance Evalue Owner's Past Performance Evalue Owner's name 1.4Group,Inc. Owner's Pro- Owner's Pro- Owner's Pro- Owner's Past Performance Evalue Owner's	ive Management and Engineering, Past Performance Evaluation Discipline oup, Inc Proposed Warehouse Facility Firm responsib Owner's name 1.4Group,Inc. cension Parish, LA Owner's Project Manager le, email 1297 St. Charles Street, Suite H, Houma, Louisiana 70360, 225-766- GaryLeonards@ProvidenceEng.com oy this firm (mm/yy) oy this firm (mm/yy) 01/22 Total consultant contract cost (\$1,000's) this firm (mm/yy) 03/22	ive Management and Engineering, Past Performance Evaluation Discipline(s)* oup, Inc Proposed Warehouse Facility Firm responsibility (p Owner's name 1.4Group,Inc. cension Parish, LA Owner's Project Manager Gary e, email 1297 St. Charles Street, Suite H, Houma, Louisiana 70360, 225-766-7400, GaryLeonards@ProvidenceEng.com Output by this firm (mm/yy) 01/22 Total consultant contract cost (\$1,000's) this firm (mm/yy) 03/22 Cost of consultant services provided by this firm (\$1	ive Management and Engineering, Past Performance Evaluation Discipline(s)* Geotech oup, Inc Proposed Warehouse Facility Firm responsibility (prime or su Owner's name 1.4Group,Inc. cension Parish, LA Owner's Project Manager Gary Leonards, le, email 1297 St. Charles Street, Suite H, Houma, Louisiana 70360, 225-766-7400, GaryLeonards@ProvidenceEng.com by this firm (mm/yy) 01/22 Total consultant contract cost (\$1,000's) this firm (mm/yy) 03/22 Cost of consultant services provided by this firm (\$1,000's)

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

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

The proposed warehouse project parcel is an approximately 9-acre, previously forested lot in Geismar, Louisiana. The warehouse facility will include various structures including a chiller and boiler, main plant, laboratory, warehouse, office building, a parking lot, and roadways. The pavement design for the project includes both rigid and flexible pavements to be accessed by heavily loaded vehicles. Mr. McKinney coordinated the field exploration activities, which included five soil borings and 15 CPTs completed to a depth of up to 60 feet below ground surface. Mr. Ator oversaw laboratory testing for the project, performed QA/QC, and generated boring and CPT logs. Technical guidance for engineering analyses and reporting was provided by Mr. Tammineni.

18. Approach and Methodology:

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

If the consultant has information it believes is proprietary, label it accordingly.

METHODOLOGY / PROJECT APPROACH

Braun Intertec will execute all the work under this contract in a professional, timely and workmanlike manner with experienced professional and technical personnel, first-rate facilities and modern state-of-the-art equipment. Our mission is to provide the highest level of service to the project design and construction team by conducting the work in accordance with the project specifications in a consistent and timely manner. During the design phase, Braun Intertec will become part of the Project Design Team, working to provide cost-effective engineering solutions for the planned project structures with considerations to the existing site conditions. As the project transitions to construction, we will maintain a close connection between the field and office personnel involved in the project. Braun Intertec is experienced with large industrial, civil, and building projects. We anticipate that from time to time, design and/or construction issues will arise which require engineering evaluation, recommendations or practical judgment by our engineering or project management personnel. These are the critical moments that can differentiate one company from another in terms of quality of service. Our Project Management Team will provide practical solutions and commonsense advice in construction and engineering matters for this project.

The scope of work anticipated for Braun Intertec includes drilling and CPT exploration, laboratory testing and geotechnical engineering. The following is our typical approach for geotechnical engineering (including drilling/CPT).

GEOTECHNICAL ENGINEERING

Upon receiving a requested scope of work, our team lead will select and coordinate a Braun Intertec geotechnical engineer/project manager and supporting team members based on the nature of the assignment and the specialties required. When Braun personnel receive a project scope for geotechnical engineering services, they review the project information and develop discussion items to review with LADOTD, Structural Engineers, Civil Engineers, and other technical professionals that may require geotechnical recommendations. Once we clarify questions, we will review available historic data, geologic maps and refer to aerial imagery to

evaluate the expected geology and site access. In addition, Braun Intertec personnel are available to make site visits to determine access points and to prepare for the logistical challenges that can occur during the life span of large projects.

Braun Intertec personnel will overlay the planned improvements onto our reference documents to confirm the number of borings and CPTs as well as the locations and depths suggested by the design team. If needed, we can assist in recommending updates to the number and depths of soil borings and CPTs that might be necessary to develop design parameters for use in our analysis. Upon receiving authorization to proceed, Braun Intertec will finalize our field execution plan, including required site orientation and safety protocols. Our field representative will coordinate layout of the soil borings and CPTs, including survey if required, and notify Louisiana One Call (811) to identify any known public underground utility obstructions. Braun Intertec will follow our established drilling protocols to ensure safety and quality during collection of soil samples and in situ data. Collected soil samples will be transported to one of our accredited laboratories and tested in accordance with the appropriate ASTM or other standards.

After the drilling, CPTs, and laboratory soil testing are complete, we will review the results of the field work to formulate potential design options that will be suitable for use on the project. Prior to submittal of a final report, we will discuss our findings with the design engineers and project team to address potential questions regarding our proposed recommendations. The report is then ready to publish. Braun Intertec's Geotechnical Engineers will remain involved through the design phase to provide input and suggestions required by the design team to finalize the design documents. All geotechnical and quality reviews will be performed under the direction of Eric McClanahan, PE. For responsiveness and economy, most of the team will be formed locally in our Sulphur, LA, Gonzales, LA and Lafayette, LA facilities with additional personnel in our other offices across Louisiana and Texas, when needed.

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**
Braun Intertec	N/A	N/A	N/A	N/A
AME (Sub)	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. <u>**Do not**</u> 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.

Braun Intertec's Lafayette (local) laboratory is AASHTO Accredited to perform the following required test methods as evidenced by the attached certification.

- ASTM D 1140
- ASTM D 2216
- ASTM D 4318

Braun Intertec's Beaumont laboratory is AASHTO Accredited to perform the following required test method as evidenced by the attached certification and we have the ability to transport samples accordingly for testing.

• ASTM D 2850

Braun Intertec's Houston Laboratory is A2LA Accredited to perform the following required test methods as evidenced by the attached certification and we have the ability to transport samples accordingly for testing.

- ASTM D 2435
- ASTM D 2850



CERTIFICATE OF

ACCREDITATION



Braun Intertec Corporation

in

Beaumont, Texas, 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).

AASHTO Executive Director

Ver Jamshiel

Moe Jamshidi, AASHTO COMP Chair



Braun Intertec Corporation

in Beaumont, Texas, USA

Quality Management System

Standard:	Acc	redited Since:
R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	11/20/2018
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	02/10/2020
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	07/28/2021
D3666 (Asphalt Mixture) Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	07/28/2021
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	11/20/2018 n
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	07/28/2021
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	07/28/2021
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	02/10/2020
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	07/28/2021

Page 1 of 6



Braun Intertec Corporation

in Beaumont, Texas, USA

Asphalt Mixture

Standard:	Accredited Since:			
R47 Reducing Samples of Hot-Mix Asphalt to Testing Size	07/28/2021			
D2041 Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	07/28/2021			
D2726 Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens 07/28/2021				
D3203 Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	07/28/2021			
D5444 Mechanical Analysis of Extracted Aggregate	07/28/2021			
D6307 Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	07/28/2021			
D6925 Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	07/28/2021			

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Braun Intertec Corporation

in Beaumont, Texas, USA

Soil

Standard:	Accredited Since:
D421 Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	11/20/2018
D698 The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	11/20/2018
D1140 Amount of Material in Soils Finer than the No. 200 (75-µm) Sieve	11/20/2018
D1556 Density of Soil In-Place by the Sand Cone Method	11/20/2018
D1557 Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	11/20/2018
D2166 Unconfined Compressive Strength of Cohesive Soil	07/28/2021
D2216 Laboratory Determination of Moisture Content of Soils	11/20/2018
D2487 Classification of Soils for Engineering Purposes (Unified Soil Classification System)	11/20/2018
D2488 Description and Identification of Soils (Visual-Manual Procedure)	07/28/2021
D2850 Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	07/28/2021
D2974 Determination of Organic Content in Soils by Loss on Ignition	11/20/2018
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	11/20/2018
D4318 Plastic Limit of Soils (Atterberg Limits)	11/20/2018
D4643 Determination of Water (Moisture) Content of Soil by Microwave Oven Heating	11/20/2018
D5084 Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter	07/28/2021
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	11/20/2018

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Braun Intertec Corporation

in Beaumont, Texas, USA

Aggregate

Stan	dard:	Accredited Since:
C29	Bulk Density ("Unit Weight") and Voids in Aggregate	11/20/2018
C40	Organic Impurities in Fine Aggregates for Concrete	11/20/2018
C117	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	11/20/2018
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	11/20/2018
C136	Sieve Analysis of Fine and Coarse Aggregates	11/20/2018
C566	Total Moisture Content of Aggregate by Drying	11/20/2018
C702	Reducing Samples of Aggregate to Testing Size	11/20/2018
D75	Sampling Aggregate	11/20/2018
D4791	Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	11/20/2018

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Braun Intertec Corporation

in Beaumont, Texas, USA

Concrete

Standard:		Accredited Since:
M201	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	02/10/2020
R39	Making and Curing Concrete Test Specimens in the Laboratory	02/10/2020
R60	Sampling Freshly Mixed Concrete	02/10/2020
R100 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	02/10/2020
T22	Compressive Strength of Cylindrical Concrete Specimens	02/10/2020
T119	Slump of Hydraulic Cement Concrete	02/10/2020
T121	Density (Unit Weight), Yield, and Air Content of Concrete	02/10/2020
T152	Air Content of Freshly Mixed Concrete by the Pressure Method	02/10/2020
T196	Air Content of Freshly Mixed Concrete by the Volumetric Method	02/10/2020
T231 (6000 psi and below)	Capping Cylindrical Concrete Specimens	02/10/2020
Т309	Temperature of Freshly Mixed Portland Cement Concrete	02/10/2020
T347	Slump Flow of Self-Consolidating Concrete	02/10/2020
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	02/10/2020
C39	Compressive Strength of Cylindrical Concrete Specimens	02/10/2020
C138	Density (Unit Weight), Yield, and Air Content of Concrete	02/10/2020
C143	Slump of Hydraulic Cement Concrete	02/10/2020
C172	Sampling Freshly Mixed Concrete	02/10/2020
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	02/10/2020
C192	Making and Curing Concrete Test Specimens in the Laboratory	02/10/2020
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	02/10/2020
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	02/10/2020
C617 (6000 psi and below)	Capping Cylindrical Concrete Specimens	02/10/2020
C1064	Temperature of Freshly Mixed Portland Cement Concrete	02/10/2020

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Braun Intertec Corporation

in Beaumont, Texas, USA

Concrete (Continued)

Standard:		Accredited Since:
C1231 (7000 ps	i and below) Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	02/10/2020
C1610	Static Segregation of Self-Consolidating Concrete Using Column Technique	02/10/2020
C1611	Slump Flow of Self-Consolidating Concrete	02/10/2020
C1621	Passing Ability of Self-Consolidating Concrete by J-Ring	02/10/2020

Page 6 of 6



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

BRAUN INTERTEC CORPORATION 11941 Cutten Road, Suite 500 Houston, TX 77066 Justin R. Castro Phone: 832 859 7290

GEOTECHNICAL

Valid To: May 31, 2024

Certificate Number: 4888.02

In recognition of the successful completion of the A2LA evaluation process (including an assessment of the laboratory's compliance with the A2LA R209 – Specific Requirements for Harris County/Houston, TX: Geotechnical Engineering Testing Laboratory Accreditation Program), accreditation is granted to this laboratory to perform the following tests under the ASTM recommended practice D3740:

Test Method:	Test Description:
ASTM	Moisture-Density Relations of Soil-Cement Mixtures
D558/D558M	
ASTM D698	Compaction Characteristics of Soil Using Standard Effort
ASTM D854	Specific Gravity of Soils
ASTM D1140	Amount of Material in Soils Finer than No. 200 Sieve
ASTM D1557	Laboratory Compaction Characteristics of Soil Using Modified Effort
ASTM D1883	CBR (California Bearing Ratio) of Laboratory-Compacted Soils
ASTM D2166	Unconfined Compressive Strength of Cohesive Soil
ASTM D2216	Water Content of Soil, Rock and Soil-Aggregate Mixtures
ASTM D2435	One-Dimensional Consolidation Properties of Soils
ASTM D2487	Classification of Soils for Engineering Purposes
ASTM D2488	Description and Identification of Soils (Visual-Manual)
ASTM D2850	Unconsolidated, Undrained Strength of Soils in Triaxial Compression
ASTM D2974	Water (Moisture) Content, Ash Content, and Organic Material of Peat and Other
(Method A)	Organic Soils
ASTM D4318	Liquid Limit, Plastic Limit and Plasticity Index of Soils
ASTM D4546	One-Dimensional Swell-Settlement Potential of Cohesive Soils
(Method A)	
ASTM D5084	Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a
(Methods B&C)	Flexible Wall Permeameter
ASTM D6913	Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis
ASTM D7928	Particle-Size Distribution (Gradation) of Fine-Grained Soils Using the
	Sedimentation (Hydrometer) Analysis ¹

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Page 1 of 1

(A2LA Cert. No. 4888.02) 06/15/2022





Accredited Laboratory

A2LA has accredited

BRAUN INTERTEC CORPORATION

Houston, TX

for technical competence in the field of

Geotechnical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 15th day of June 2022.

Vice President, Accreditation Services For the Accreditation Council Certificate Number 4888.02 Valid to May 31, 2024

For the tests to which this accreditation applies, please refer to the laboratory's Geotechnical Scope of Accreditation.

Novisiana Professional Engineering And Surveying Board



Braun Intertec Corporation

has satisfied the applicable requirements and is therefore licensed as a Professional Engineering Firm

and hereby entitled to practice engineering in the State of Louisiana.

Baton Rouge, Louisiana · April 20, 2015



maginance 4 snobast John M. Moore Chairman

License Number EF 5739

Jouisiana Professional Engineering and And Surveying Board



Mr. Eric Thomas McClanahan

having qualified before this Board in accordance with laws is licensed as a

Professional Engineer

and is hereby entitled to practice engineering in the State of Louisiana.

Baton Rouge, Louisiana · 06/22/2010

Ali Mustapha



License Number 35519

Jouisiana Professional Engineering Jand Surveying Board

Hereby Certifies that

Mr. Alexander Joseph Brochard

having qualified before this Board in accordance with laws is licensed as a

Professional Engineer

and is hereby entitled to practice engineering in the State of Louisiana.

Baton Rouge, Louisiana · 02/19/2013

Whed & Anvin

James & Bowie &



Douisiana Professional Engineering Land Surveying Board Hereby Certifies that Mr. Trent Allen Whitley has satisfied the applicable requirements and is therefore licensed as a **Professional Engineer** and hereby entitled to practice engineering in the State of Louisiana. Baton Rouge, Louisiana · August 2, 2019 License Number PE 43721



CERTIFICATE OF



Braun Intertec Corporation

in

Lafayette, Louisiana, 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).

AASHTO Executive Director

Vac Jourshiel

Moe Jamshidi, AASHTO COMP Chair



Braun Intertec Corporation

in Lafayette, Louisiana, USA

Quality Management System

Standard:		Accredited Since:
R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	07/10/2015
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	06/22/2016
D3666 (Aggregate) Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	07/13/2018
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	n 07/10/2015
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	07/13/2018
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/22/2016
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	07/10/2015

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Braun Intertec Corporation

in Lafayette, Louisiana, USA

Asphalt Mixture

Standard:	Accredited Since:
D2950 Density of Bituminous Concrete In Place by Nuclear Methods	09/22/2021

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Braun Intertec Corporation

in Lafayette, Louisiana, USA

Soil

Standard:	Accredited Since:
D421 Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	07/10/2015
D422 Particle Size Analysis of Soils by Hydrometer	07/10/2015
D558 Moisture-Density Relations of Soil-Cement Mixtures	07/10/2015
D698 The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	07/10/2015
D1140 Amount of Material in Soils Finer than the No. 200 (75-µm) Sieve	07/10/2015
D1556 Density of Soil In-Place by the Sand Cone Method	07/10/2015
D1557 Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	07/10/2015
D1883 The California Bearing Ratio	09/22/2021
D2166 Unconfined Compressive Strength of Cohesive Soil	07/13/2018
D2216 Laboratory Determination of Moisture Content of Soils	07/10/2015
D2487 Classification of Soils for Engineering Purposes (Unified Soil Classification System)	07/10/2015
D2488 Description and Identification of Soils (Visual-Manual Procedure)	07/10/2015
D2974 Determination of Organic Content in Soils by Loss on Ignition	07/10/2015
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	07/10/2015
D4318 Plastic Limit of Soils (Atterberg Limits)	07/10/2015
D4643 Determination of Water (Moisture) Content of Soil by Microwave Oven Heating	07/13/2018
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	07/10/2015

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Braun Intertec Corporation

in Lafayette, Louisiana, USA

Aggregate

Standard:	Accredited Since:
C117 Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	07/13/2018
C127 Specific Gravity and Absorption of Coarse Aggregate	09/22/2021
C128 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	Suspended
C136 Sieve Analysis of Fine and Coarse Aggregates	07/13/2018
C702 Reducing Samples of Aggregate to Testing Size	07/13/2018
D75 Sampling Aggregate	07/13/2018

Page 4 of 5



Braun Intertec Corporation

in Lafayette, Louisiana, USA

Concrete

Standard:		Accredited Since:
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	03/03/2020
C39	Compressive Strength of Cylindrical Concrete Specimens	06/22/2016
C138	Density (Unit Weight), Yield, and Air Content of Concrete	06/22/2016
C143	Slump of Hydraulic Cement Concrete	06/22/2016
C172	Sampling Freshly Mixed Concrete	06/22/2016
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	06/22/2016
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	06/22/2016
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	06/22/2016
C617 (7000 psi and below)	Capping Cylindrical Concrete Specimens	06/22/2016
C1064	Temperature of Freshly Mixed Portland Cement Concrete	06/22/2016
C1231 (7000 psi and below	v) Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	06/22/2016

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Subconsultant - Adaptive and Management Engineering, LLC

Certifications and Licenses







LOUISIANA UNIFIED CERTIFICATION PROGRAM

Disadvantaged Business Enterprise Program (DBE)

Small Business Element (SBE)

This is to certify that under Title 49, Part 26 of the Code of Federal Regulations & under the State of Louisiana United Certification Program (LAUCP)

Adaptive Management and Engineering, LLC

Is a Certified Disadvantaged Business Enterprise (DBE) & Small Business Element (SBE) in the following specialties:

NC541330 NC541380

NOTE: There may be other approved NAICS Codes. The online DBE Directory includes a complete list of approved codes.

Certificate Eligibility: February 2022 to February 2023

This certificate is valid through the above date provided. This firm meets the on-going programmatic standard and fulfills the annual update requirement to remain in good standing as a DBE. This certification is subject to annual verification and suspension or revocation based upon reasonable cause to believe that the firm is ineligible.

Rhonda Wallace

Rhonda Wallace, DBE/SBE Programs Manager

Louisiana Department of Transportation & Development

Jouisiana Professional Engineering and Dand Surveying Board

Hereby Certifies that

Mr. Venu Tammineni

having qualified before this Board in accordance with laws is licensed as a

Professional Engineer

and is hereby entitled to practice engineering in the State of Louisiana.

Baten Rouge, Louisiana · 01 10 2012

ACi Mustappa



License Number 36864

Douisiana Professional Engineering Land Surveying Board



Mr. Gregory Allen Mattson

has satisfied the applicable requirements and is therefore licensed as a **Professional Engineer**

and hereby entitled to practice engineering in the State of Louisiana.

Baton Rouge, Louisiana · March 15, 2018



Homa and

License Number PE 42397



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

ADAPTIVE MANAGEMENT ENGINEERING

Michael McKinney

has been licensed to drill monitoring 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 <u>June 30, 2022</u> unless renewed, revoked or suspended by the licensing authority as prescribed by statue.

Signed and sealed this 9th day of August , 2021

Gubard P. Lajuet

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

License No. WWC- <u># 867</u>





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.



Page 35 of 38 Prime consultant name: Braun Intertec Corporation

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
Adaptive Management Engineering South	11429 Pennywood Ave Baton Rouge, LA 70809	Venu Tammineni, P.E. Venu@amesouth.com	(225) 424-7869

(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.