(Revised January 1, 2023)

LADOTD FORM: 24-102

PROPOSAL TO PROVIDE CONSULTANT SERVICES

Prime consultant shall complete the LADOTD 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 LADOTD FORM 24-102, OR PROVIDING INACCURATE INFORMATION ON THE LADOTD 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 Name as shown in the advertisement	IDIQ CONTRACT FOR DESIGN SERVICES DISTRICT 03	
2.	Contract number(s) as shown in the advertisement	4400027093	
3.	State Project Number(s), if shown in the advertisement	N/A	
4.	Prime consultant name (name must match as registered with the Louisiana Secretary of State where such registration is required by law)	MICHAEL BAKER INTERNATIONAL, INC.	L
5.	Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	E.F. 0000062 V.F. 0000010	
6.	Prime consultant mailing address	2600 CitiPlace Drive, Suite 450	
7.	Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	Baton Rouge, Louisiana 70808	
8.	Name, title, phone number, and email address of prime consultant's contract point of contact	Daniel Thornhill, PE Office Manager - Associate Vice President 225-218-2846 Daniel.Thornhill@mbakerintl.com	
9.	Name, title, phone number, and email address of the official with signing authority for this proposal	Daniel Thornhill, PE Office Manager - Associate Vice President 225-218-2846 Daniel.Thornhill@mbakerintl.com	

- 10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israelicontrolled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.
- Signature (shall be the same person as Section 9):

Date: 06/21/2023

 If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.

<u>Firm(s):</u>	<u>Firm(s)' %: Goal 5%</u>
Vectura Consulting Services, LLC	10.2%

PUBLIC SAFETY & WELFARE. SCHEDULE. Prioritizing what matters to the DOTD and local community, Michael Baker understands this type of IDIQ contract and offers a plan that addresses the DOTD concerns and needs by making our staff available to focus on designated task orders.

12. PAST PERFORMANCE EVALUATION DISCIPLINE TABLE

Percentage of work for the **overall contract** to be performed by Michael Baker and each subconsultant equals 100% for each past performance evaluation disciplines, as well as the overall total percent of the contract.

Evaluation Disciplines	% of Overal Contract (Revised)	Michael Baker International, Inc.	Vectura Consuting Services, LLC	SJB Group, LLC
Road	55.00%	95.00%	5.00%	0.00%
Bridge	15.00%	100.00%	0.00%	0.00%
Traffic	7.50%	0.00%	100.00%	0.00%
Survey	12.50%	0.00%	0.00%	100.00%
Right-of-Way	5.00%	0.00%	0.00%	100.00%
Environmental	2.50%	100.00%	0.00%	0.00%
Other (SUE)	2.50%	0.00%	0.00%	100.00%
	100.00%	69.8%	10.2%	20.0%

13. FIRM SIZE

READY AND AVAILABLE TO SERVE. A local team backed by national resources, LADOTD will benefit from our team's availability, commitment, and resources to this contract as demonstrated in the table below. Subconsultants were selected based on immediate staff availability, exiting relationships with Michael Baker, and prior experience in select specialties.

			Number of personnel committed to	Total number of personnel available in this LADOTD Job
Firm name		LADOTD Job Classification	this contract	Classification (if needed)
		Principal	1	2
Michael Baker		Supervisor – Engineer	1	3
Michael Bakel		Supervisor - Other	0	3
INTERNATIONAI	L	Engineer	2	5
DOTD II IA OSBR District 07	Engineer	Engineer Intern	2	10
Designed New Perkedele Ent		Engineer Other	1	10
for Barksdale AFB that come		Environmental Pro	1	3
Design Build.		Biologist/Wetlands	1	3
 Local and immediately available 	ble to start work	GIS Analyst	0	2
Staff experienced with DOTD		Surveyor	0	1
Specifications and Standards	and FDSMs	Senior Technician	1	5
		Technician	0	6
		Administrative	1	2
 Experience with over 30 roundabouts in Louisiana Developed 4 Traffic Management Plans (TMP) for DOTD 		Supervisor-Engineer	2	2
		Engineer	3	5
		Engineer – Intern	1	1
 Developed Level 4 TMPs for 0 Six Professional Traffic Operation 	Complex Corridors ations Engineers on Staff	Inspector	0	2



SJB Group, LLC

- Actively working on several MoveAscension, MoveBR, and DOTD projects in the Gulf Coast region.
- Extensive past experience on DOTD projects.
- Local and immediately available to start work Staff experienced with DOTD Design Guidelines, Specifications and Standards

Principal	1	4
Supervisor – Engineer	1	1
Supervisor – Other	1	2
Engineer	1	3
Surveyor	1	4
Party Chief	3	4
Instrument Man	0	1
Professional	0	1
Landscape Architect	0	1
Senior Technician	1	8
Technician	1	1
CADD Operator	1	1
Administrative	0	3



15. MINIMUM PERSONNEL REQUIREMENTS

Led by Daniel Thornhill, PE, a Project Manager with over 25 years of roadway design experience, 19 serving the DOTD, Michael Baker and subconsultant staff designated to work on this contract meet the Minimum Personnel Requirements (MPRs) specified in the advertisement. Résumés included in this submission reflect 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 and discipline meeting MPR/certification & number	State of license	License / certification expiration date
1	Daniel Thornhill, PE	Michael Baker	Professional Engineer Registered in the State of Louisiana/ Civil Engineering/ PE.0032367	Louisiana	09-30-2024
2	Daniel Thornhill, PE	Michael Baker	Professional Engineer Registered in the State of Louisiana / Civil Engineering/ PE.0032367	Louisiana	09-30-2024
	Daniel Thornhill, PE		Professional Engineer Registered in the State of Louisiana / Civil Engineering/ PE.0032367	Louisiana	09-30-2024
3	Alison Gonzalez, PE	Michael Baker	Professional Engineer Registered in the State of Louisiana / Civil Engineering/ PE.0047215	Louisiana	03-31-2025
	Brandon Pitre, PE	Professional Engineer Registered in the State of Louisiana / Civil Engineering/ PE.0040975	Louisiana	03-31-2025	
4	Matthew Estopinal, PE, PLS	SJB GROUP, LLC	Professional Engineer Registered in the State of Louisiana / Civil Engineering/ PE.0039151 Professional Land Surveyor in the State of Louisiana / Land Surveyor/ PI S 004955		03-31-2025 (Both)
	Charles Tim Brewer, RF, PS, PLS, RPLS, RPP		Professional Land Surveyor in the State of Louisiana / Land Surveyor/ PLS.005009	Louisiana	09-30-2023

16. STAFF EXPERIENCE

Résumés are provided for all prime and sub-consultant personnel listed in Sections 14 and/or 15 of the proposal. Certificates required by the advertisement are included in Section 20.



Michael Baker Resumes

Page 9 of 107 Prime consultant name: Michael Baker International, Inc.

Firm employed by Michael Baker						
Name	Danie	l Thornhill, PE	Years of relevant experience with this employer			
Title	Office E	Executive	Years of relevant experience with other employer(s)	⇒ 23		
Degree(s	s) / Years	/ Specialization	B.S. / 1997 / Civil Engineering			
			PE.0032367 / LA / 09-30-2024			
Active re	gistration	number / state / expiration date	25136 / AL / 12-31-2023			
	0	·	Traffic Control Technician-LA State Specific / April 20	126		
Voar rog	istorad	2006 2002	Discipline Civil	Dissipling Civil		
Contract	role(s) / ł	rief description of responsibilities	MPR 1 2 & 3 PRINCIPAL IN CHARGE/PROJECT	MANAGER		
MPR 1.2	2 & 3 Mr	Thornhill will serve as the Princin	al-In-Charge and Project Manager and provide supp	ort to Lead Design Engineer, Brandon Pitre, PF, to complete		
Design s	services,	and provide accountability for qua	lity and timeliness. He will also ensure priorities are	established before and during execution of the project.		
Experien	ce dates	Experience and qualifications releva	ant to the proposed contract; <i>i.e.</i> , "designed drainage", "	designed girders", "designed intersection", etc. Experience dates		
(mm/yy–	mm/yy)	should cover the time specified in the	ne applicable MPR(s).			
11/21 - 0	Ongoing	US 371: KCS RR Overpasses HE	BI, Webster Parish, Louisiana. Principal/Project Manag	ger. Responsible for the design and development of construction		
		plans for the replacement of 3 bridg	ges at two locations along US 371. First location is the	replacement of a 3 span bridge over KCS Railroad in Sibley, LA.		
		Project entails the development of	new bridge alignment following DOTD and KCS Railro	ad requirements along with modifications of the existing road to		
		accommodate the new bridge vertic	al alignment. Additional site requirements include devel	loping a detour road/bridge alignment to construct the new bridge		
		20 interchange Bridges will be rer	on of LA 164/05 571 Intersection. Second location is it	w 3 span bridges will be construction over KCS railroad meeting		
		all the required DOTD and KCS des	sign requirements as required at the Siblev bridge site.	w 5-span bridges will be construction over NCS railload meeting		
08/22 -	- 05/23	Barksdale AFB Entrance Roads,	Bossier Parish, Louisiana. Project Manager. Respons	sible for the development of construction plans for new entrance		
		roads for Barksdale AFB. The proj	ect includes a new roundabout at the Air Force Base ga	tes along with new 4-lane divided highway to tie into the new LA		
		1267 highway constructed by DOT	D under the I-20/I-220 Design Build interchange improv	ements. Additional responsibilities include coordination with the		
		DOTD I-20/I-220 Project Manager a	and Design Build Owner Verification Managers along wit	h overseeing new roadway drainage that meets DOTD Hydraulic		
	<u> </u>	requirements. Construction should	begin in Summer of 2023.			
10/22 - 0	Ongoing	Infrastructure Investment and Jo	bs Act (IIJA) Off-System Bridge Program – District 0	7, Louisiana. DOTD. Principal. Responsible for the oversight of		
		12 Off-System Bridge replacement	is and recommendation of final bridge structures for five	ve parisnes in District U/. Additional responsibilities include the		
		the \$30.3 million dollars with alloca	ted for District 07. This service includes topo surveys	row manning, development of construction plans, environmental		
		clearance, utility relocation agreeme	ents, and determine row acquisition. DOTD issued NTF	P for additional services in May 2023.		
04/22 - 0	Dngoing	LA 30: EBR PL – I-10, East Bato	n Rouge, Iberville, and Ascension Parishes. Louisia	ana. Principal/Project Manager. Responsible for the oversight of		
	00	the Environmental Assessment (EA) of the widening of LA 30 from a 2-lane roadway to 4-la	ane roadway. Project is currently in Part 1 of the EA which main		
		focus on traffic count/study/analysi	s along with some early environmental field screening,	initial geometric improvements at existing 5 intersections, \ensuremath{SUE}		
		services, and development of exis	sting hydraulic flows for existing 6 bridge/culvert struct	ctures. Additional responsibilities include oversight of existing		
		alignments along with existing right	-ot-way lines.			

10/21 - Ongoing	New Orleans Rail Gateway Environmental Impact Statement, Jefferson and Orleans Parishes, Louisiana. DOTD. Project Engineer for development of alignment alternatives in Avondale area. Alternatives include railroad overpasses at two locations to replace four at grade railroad crossings. Currently trains will block at grade railroad crossings for hours each day at the Avondale railyard. New overpasses meet both DOTD and railroad criteria. New alternatives include both roadway and bridge design.
05/16 – 01/18	Ham Reid Road at Lake Street (LA 3092) Intersection Improvement Project for Calcasieu Parish Police Jury. Project Manager/Lead Design Engineer. Responsibilities included the development of construction plans for a new single lane roundabout at the intersection of Ham Reid Road and Lake Street (LA 3092). Project was studied as both a new signal and roundabout to provide traffic flow for land being developed along the southwest quadrant of the project. Through coordination with LA DOTD, it was determined a new single lane roundabout was the best alternative. The new roundabout would be a 4-leg roundabout that would connect to Spanish Mission Trail roadway of Trails Subdivision with one of roundabout legs to provide seamless connectivity with Ham Reid Road to eliminate a possible Z-intersection configuration with only a 3-leg roundabout. Mr. Thornhill's responsibilities included coordination with both Calcasieu Parish Project Manager, LA DOTD District 7 Engineers, and LA DOTD Project Permit Specialist; development of geometric layouts both horizontally and vertically, development of right-of-way taking lines and coordination of right-of-way maps with surveyor, and hydraulic analysis for both subsurface and storm water flow. Project was being done as a permit project for Calcasieu Parish through LA DOTD District 7.
03/14 - 08/15	I-12 Entrance Ramp at Millerville Road, East Baton Rouge Parish, Louisiana. Project Manager/Engineer. Responsible for the design and construction of a new westbound entrance ramp from Millerville Road to I-12. Project included widening of Millerville Road to accommodate new double left turn lanes at new intersection at new development. Project included developing construction plans to meet LADOTD and FHWA design guidelines and standards. Addition construction plan details involved development of traffic control plans for a lane shift of three (3) lanes along I-12 to provide protection for construction workers while the new entrance ramps were being constructed along with addition of new traffic signals and remove of an existing traffic signal. Project was issued a project permit through LADOTD District 61. During the plan preparation and construction, Mr. Thornhill met with LADOTD District 61 District Administrator and Construction Engineer to make sure all LADOTD standards where being followed along with making sure the contractor was meeting all the requirements set forth by LADOTD District 61 in the project permit.
09/14 – 08/15	LA 27 turn lane improvements, Cameron and Calcasieu, LA. Project Manager. Responsible for overseeing the development of roadway construction plans adhering to DOTD design guidelines for three turn lanes along LA 27 at the Cameron LGN plant entrances. Additional responsibilities included providing engineering support during construction. Project included the modification of the existing box culvert at Crab Gully with developing solutions to utility conflicts at this crossing.
11/15 – 01/18	Southcity Parkway Extension - Lafayette, LA . Project Manager/Lead Design Engineer. Responsibilities included the development of construction plans for a new 1.7-mile, four-lane median divided corridor between US 167 (Johnston Street) with Kaliste Saloom Road. Project included three multilane roundabout intersections and new bridge crossing of the Vermillion River. Additional responsibilities included coordination with the Coast Guard to develop the new Vermillion Bridge crossing to make sure it met navigational vertical clearances. Project included development of public involvement meeting maps to get feedback from the local residents on the new alignments and its possible impacts to the neighboring communities.
08/12 - 01/18	Juban Road (LA 1026) Widening (I-12 to US 190), Livingston Parish, Louisiana. Project Manager/Lead Design Engineer. Responsible for the development of construction plans for the widening of Juban Road from a 2-lane roadway to a 4-lane boulevard from just north of the I-12 Interchange to US 190. Improvements included three (3) multi-lane roundabouts along Juban Road while including sidepaths on both sides of Juban Road to meet the LADOTD complete streets initiative. Access Management was a priority along this route therefore the median was reduced to 6' to 8' to discourage left turn movements and make all driveways right-in/right-out while utilizing the roundabouts for U-turn movements. The roundabouts are located at future driveway number 5 for the Juban Crossing Development, midway along project, and at the Juban Road at US 190 intersection. The roundabout would replace an existing signal that causes traffic congestion especially during peak afternoon traffic. Project included all necessary improvements along US 190 for the new roundabout and additional turn lane for the new Sanctuary Development.

Firm employed by Michael Baker					
Name	Brandon Pitre, PE			Years of relevant experience with this employer	Э 3
Title	Title Transportation Engineer			Years of relevant experience with other employer(s)	
Degree(s) / Years	Specialization		MS / 2012 / Civil Engineering / Texas A & M University BS / 2010 / Civil Engineering / Louisiana State University	
Active registration number / state / expiration date			late	PE.0040975 / Louisiana / 03-31-2025 ATSSA Traffic Control Supervisor, expires 04-29-2026 ATSSA Traffic Control Flagger, expires 01-17-2024	
Year regi	stered	2016	Discipline	Civil	
Contract	role(s) / b	rief description of responsib	ilities	MPR 3. TRANSPORTATION/ROADWAY DESIGNER	
Mr. Pitre	meets M	PR3 and will serve as Lead	d Design Engir	eer with experience in planning and geometric design f	for a variety of projects. He has worked in the public
sector at	the Loui	siana Department of Trans	sportation and	Development in the Construction and Road Design see	ctions before working as an engineering consultant.
He has e	xperienc	e with safety retainers on	both design a	10 construction sides.	airdera" "decigned interpettion" etc. Experience
(mm/w/_r	mm/vv)	dates should cover the tim	ons relevant to be specified in t	ne proposed contract, <i>i.e.</i> , designed drainage, designed ne applicable MPR(s)	girders, designed intersection, etc. Experience
11/21 - 0)naoina	US 371: KCS RR Overpa	isses HBI. Wel	oster Parish, Louisiana, LADOTD, Transportation Engine	er/Project Manager, Mr. Pitre is the project manager of
		the project while also servi	ing as the road	vay design lead for the project who will oversee the delivery	of the Preliminary and Final roadway and bridge design
		plans. The project consist	s of the design	and replacement of three bridges which cross over a KCS	railroad line at two different locations in Webster Parish
		(Sibley and Minden). The	new bridges wi	Il be concrete girder-type and includes widening the two ex	sisting bridges in Minden to accommodate an additional
		travel lane for each bridge	e. A detour brid	ge will also be included for the Sibley location. Strict adhe	rence to the KCS railroad design guidelines as well as
00/22	05/22	adequate coordination wit	h KCS will have	to be maintained during all phases of design.	Francountation Engineer, Mr. Ditro in reasonable for the
00/22 -	05/25	roadway design and cons	truction plan de	velopment of this project. The project consists of the design	n and construction of an extension of an existing state-
		owned highway. LA 1267.	along with a ne	ew multi-lane roundabout. The new roadway will be a 4-lane	e divided highway entrance into the Barksdale AFB. Mr.
		Pitre is mainly responsible	for the develop	oment of the 3D roadway design model for the project as we	ell as overseeing the delivery of the construction plans.
04/22 - C	Ongoing	LA 30: EBR P/L – I-10, lbe	erville and Asc	ension Parishes, Louisiana. LADOTD. Transportation Eng	gineer/Project Manager. Mr. Pitre is the project manager
		of the project while also s	erving as the le	ead roadway design engineer for the project. The project is	s an environmental assessment (EA) which consists of
		widening approximately 14	1 miles of LA 30	from two lanes to at least four lanes. Mr. Pitre is responsible	of or generating the line-and-grade diagrams to evaluate
40/00 0		the reasonable alternative	s based on the	traffic analysis and recommended improvements to the ma	jor intersections along the project limits.
10/22 - 0	ngoing	Intrastructure Investmen	nt and Jobs A	Ct (IIJA) Off-System Bridge Program – District 07, Lou	Islana. DOTD. Project Manager. Responsible for the
		coordination with sub-con	sultants for the	services of topographic surveys row mapping geotechni	ical investigations and hydraulic support. This project
		program requires Michael	Baker to deliv	er 12 bridge replacements within the \$30.3 million dollars	with allocated for District 07. DOTD issued NTP for
		additional services in May	2023	-	
08/19 –	- 12/19	Alphonse Forbes Road B	Bridge Replace	ment, Central, Louisiana. East Baton Rouge Parish, Lo	uisiana. Transportation Engineer. Mr. Pitre assisted on
		this project by collecting	relevant design	data, as-built drawings, and similar go-by project drawin	gs and documents. He was responsible for compiling
		preliminary nydraulics stud	ay reports, asse	moling roadway design standards, performing QC/QA revie	ws or roadway drawings and other project deliverables,
		and generating a prelimina		נוסו הסוווומוה.	

06/18 – 12/19	US 90 Ramps at LA 88 Roundabouts, New Iberia, Louisiana / Highway Safety Design Retainer, LADOTD . Lead Roadway Designer. Mr. Pitre served as lead Roadway Design Engineer for this project whose scope consisted of converting the eastbound and westbound U.S. 90 ramp terminals into two multi- lane roundabouts, along with making improvements to the existing drainage network (sub-surface and open ditch) to increase hydraulic capacity. Since the local project representatives expressed concerns for design solutions aimed at reducing flooding during intense rain events, many of the existing cross drains, side drains, and existing roadside ditches needed to be upsized. Other safety measures were implemented in this project by the following measures: safety end treatments on culvert ends adjacent to LA 88, guard rail improvements based on the latest DOTD design standards, flexible traffic delineators separating lanes of opposing traffic flow, and two U-turns (bulb-outs) added along LA 88 on each side of U.S. 90. Responsible for roadway design and construction plan production, completing the 100% Preliminary Plans based on comments from the client at the Plan-In-Hand meeting. This involved resolution of all the client's comments from the 100% Preliminary Plans submittal which involved items such as: modifying the typical pavement sections and details, adjusting the roadside ditch geometry, revising the construction sequencing layout, modifying the drainage design, and creating the permanent signing and pavement marking layout sheets. Responsible for developing and delivering the 100% Final Plans as the Engineer of Record which involved determining the required quantities of the required construction items and developing the accompanying construction cost estimate. Other work for this project included creating the existing and proposed drainage maps, hydraulics calculations utilizing DOTD's HYDRWIN program and preparation of the hydraulics report.
12/17 – 07/18	U.S. 190B at Jefferson Avenue Roundabout Design for Highway Safety Design Retainer, Covington, Louisiana. LADOTD. Roadway Design Engineer. Responsible for design and construction plan production for this project, whose scope consisted of converting a four-way intersection into a single-lane roundabout in downtown Covington in an area of narrow right-of-way limits. Responsible for completing 100% Preliminary Plans based on comments from the client (DOTD) at the Plan-In-Hand meeting. This involved making several changes to the plans such as: revisions to the typical pavement section and details, plan and profile sheets, and construction sequencing sheets. Responsible for developing the 60% Final Plans which involved resolution of all the client's comments from the 100% Preliminary Plan submittal, determining the required construction items, and developing the accompanying construction cost estimate. Other work included hydraulics calculations utilizing DOTD's HYDRWIN drainage program and preparation of the hydraulics report. During the 60% Final Plans development stage, this project was halted by DOTD based on the significant real estate cost for acquisition of an adjacent property (gas station on intersection corner).
11/15 - 06/17	Francis Road Extension, Covington, Louisiana. St. Tammany Parish Government. Transportation Engineer. Assisted in design and construction plan production of a two-lane asphalt roadway extension project to better serve local community by providing better connectivity between the local subdivisions and a recreational facility. Responsible for conducting drainage analysis to compare pre- and post-development drainage design and to determine required culvert sizing for new, required cross drain, as well as nearby roadside drainage structures. Mr. Pitre's other responsibilities included assembling construction plans for the client, which highlighted the different roadway alignment alternatives. These options were presented to give the client an idea of what the impact financially and logistically would be.
10/16 – 01/17	I-12 Widening, LA 21 to US 190, Covington, Louisiana. Louisiana Department of Transportation. Transportation Engineer. Created typical section sheets for an interstate widening project. Performed hydraulic analysis to check adequacy of existing cross drains and created existing and design drainage maps.

Firm employed b	y Michael Baker			
Name Alise	on Gonzalez, PE	Years of relevant experience with this employer	⇒ 3	
Title Projec	t Manager	Years of relevant experience with other employer(s)	● 15	est the set
Degree(s) / Year	s / Specialization	B.S. / 2007 / Civil Engineering		
Active registratio	n number / state / expiration date	PE.0047215 / LA / 03-31-2025 PE037086 / GA / 12-31-2023		
Year registered	2022 2012	Discipline Civil		
Contract role(s) /	brief description of responsibilities	MPR 3. TRANSPORTATION/ROADWAY DESIGNE	R	
Ms. Gonzalez m	eets MPR3 and will serve as a Desig	n Engineer with experience in geometric design for a	a variety of projects. She has worked on pr	ojects for multiple
DOT agencies v	which allows her to bring a practical	engineering point of view to the team.		
Experience dates (mm/yy–mm/yy)	s Experience and qualifications relevant should cover the time specified in the specified i	ant to the proposed contract; <i>i.e.</i> , "designed drainage", " ne applicable MPR(s).	designed girders", "designed intersection", etc	c. Experience dates
05/23 - Ongoing	US 371: KCS RR Overpasses HE the replacement of 3 bridges at two entails the development of new b accommodate the new bridge vertio under traffic along with reconstructi 20 interchange. Bridges will be rep all the required DOTD and KCS des	BI , Webster Parish, Louisiana. Project Engineer. Respon of locations along US 371. First location is the replacement or ridge alignment following DOTD and KCS Railroad al alignment. Additional site requirements include developed on of LA 164/US 371 intersection. Second location is the placed in phase construction to maintain traffic. Two ne sign requirements as required at the Sibley bridge site.	onsible for the design and development of co lent of a 3 span bridge over KCS Railroad in requirements along with modifications of the loping a detour road/bridge alignment to consi- ne replacement of parallel bridges along US 3 w 3-span bridges will be construction over KC	nstruction plans for Sibley, LA. Project he existing road to truct the new bridge 371 at the Minden/I- CS railroad meeting
05/23 - Ongoing	LA 30: EBR PL – I-10, East Ba Environmental Assessment (EA) of on traffic count/study/analysis along and development of existing hydrau with existing right-of-way lines.	ton Rouge, Iberville, and Ascension Parishes, Lou the widening of LA 30 from a 2-lane roadway to 4-lane r with some early environmental field screening, initial ge lic flows for existing 6 bridge/culvert structures. Additio	iisiana. Project Engineer. Responsible for the oadway. Project is currently in Part 1 of the E eometric improvements at existing 5 intersect and responsibilities include oversight of existing the existing for the existing the exist exis	he oversight of the A which main focus tions, SUE services, ng alignments along
12/21 – Ongoing	SR 25 @ Savannah & Middle Rive by the Design Build Agreement (DE Baker provided the Design-Build Se River. Traffic will be maintained on is required for impacts to historic re federally protected aquatic species.	Pr. Scott Bridge Company, Inc. Lead Roadway Engine BA), including preliminary plans, final plans, release for rvices to replace two bridges along SR 25, one over the the existing bridges while the proposed bridges are con sources and public recreational land, along with consul	er. Responsible for preparing all roadway sub construction (RFC) plans, and NPDES permi Savannah River (James P. Houlihan Bridge) a structed parallel to the existing bridges. A Se- ltations with USFWS and NOAA fisheries due	bmittals as required itting plans. Michael and one over Middle oction 4(f) evaluation e to the presence of
04/20 - Ongoing	Sea Island Road @ Dunbar Cre development, preliminary plans, rigl Creek on St. Simons Island. The pro a temporary bridge to the north of th two 12-foot lanes with 8-foot rural s	ek. Georgia Department of Transportation. Lead F ht-of-way plans, and final plans for the replacement of an oposed bridge will be raised one foot to meet the 100-yea he existing bridge where traffic will be routed during cons houlders.	Roadway Engineer. Responsible for concept a existing bridge located on CR 583/Sea Island ar flood elevation. An onsite detour will be utili struction. The roadway approaches were record	t design and report d Road over Dunbar ized by constructing nstructed to provide

I-16/I-95 General Engineering Consultant Services, Savannah, Georgia. Georgia Department of Transportation. Subject Matter Expert. Responsible for reviewing roadway plans and design calculations to ensure that the design is in compliance with the Design-Build Agreement (DBA). Michael Baker is providing owner's representative post-let general engineering consultant services on the I-16 at I-95 interchange improvements and I-16 widening, as part of GDOT's MMIP program. Services include final design review, submittal review, and owner's verification of design-builder-provided construction engineering and inspection services.
Bridge Bundle - SR 10 Loop EB & WB at Middle Oconee River (PI#0013715), SR 82 at Middle Oconee River (PI#0013819), Clarke and Barrow Counties, Georgia. Georgia Department of Transportation (GDOT). Assistant Project Manager for this 0.10-mile long bridge replacement project on the
the existing 288-foot long, twin steel beam bridges, with a 3-span 350-foot long PSC beam bridge over the river. Staged construction will be utilized by first
building a portion of the new bridge in the median area while traffic is maintained on the existing bridges. SR 82 is a 0.30-mile long 2-lane rural bridge replacement project that will replace the existing 4-span 250-foot long steel beam bridge with a 270-foot long. 3-span PSC beam bridge on a curved roadway
alignment over the river. ABC techniques and an off-site detour will be utilized by closing the roadway to minimize the construction schedule and disruption
to the public. M&N is responsible for overall project management, concept design, public involvement, environmental, preliminary plans, right-of-way plans, final construction plans including full bridge design and bridge bydraulic studies on this bundle.
Quacco Road Widening, Chatham County, Georgia. Chatham County. Design engineer for the proposed Quacco Road Improvements project. The
project includes roadway widening and operational improvements to intersections, drainage features, and pedestrian facilities along a 2.6-mile-long segment
of this corridor beginning just east of the existing bridge over 1-95 and terminating at the existing signalized intersection with US 17. In addition, ADA compliant sidewalks and a 10' shared use path will contribute to the connectivity for the existing commuter bus route of Chatham Area Transit (CAT). The project
deliverables will include completion of concept design, preliminary plans, stormwater management, right-of-way plans and final plans.
Operational, Safety and Pedestrian Improvements along Maxham Road, Douglas County, Georgia. Douglas County. Lead engineer for the construction of operational, safety and pedestrian improvements along Maxham Road from SR 6/Thornton Road to Tree Terrace Parkway. This project includes 0.5 miles of roadway improvement, stormwater management facilities, and sidewalks. The project deliverables include concept, preliminary and final
construction plans, right of way plans and NPDES permitting.
SR25CO/Bay Street Widening, Chatham County, Georgia. Chatham County. Design engineer for the widening of 1.3 miles of an existing sub-standard four-lane facility to a four-lane section with raised median and urban shoulders. A high volume of pedestrian traffic and potentially historic properties along the project corridor complicates the project. One of the major purposes of this project was to improve pedestrian safety by providing accessible pedestrian facilities with connections to adjacent businesses, neighborhoods, parks, and bus facilities. The completed project will provide a safe and aesthetically pleasing gateway to Savannah from the west. The project deliverables include concept development and approval, preliminary and final construction plans, right of way plans and NPDES permitting.

Firm employed	Firm employed by Michael Baker					
Name Na	than Green, PE		Years of relevant experience with this employer	● <1		
Title Civ Jac	l Engineer kson, MS		Years of relevant experience with other employer(s)	⇒ 7		
bDegree(s) / Y	ears / Specialization		BS / 2014 / Civil Engineering / Mississippi State University			
Active registra	tion number / state / expiration d	ate	29605 / Mississippi / 12-31-22			
Year registere	d 2018	Discipline	Civil			
Contract role(s	s) / brief description of responsibi	lities	ROADWAY DESIGN ENGINEER			
Mr. Green wil guidelines.	l serve a roadway design eng	ineer. He is a	former MDOT roadway engineer and has years of e	experience with state agencies design standards and		
Experience da	tes Experience and qualification	ons relevant to	the proposed contract; <i>i.e.</i> , "designed drainage", "designed	ed girders", "designed intersection", etc. Experience		
(mm/yy–mm/y	y) dates should cover the tim	e specified in t	ne applicable MPR(s).			
01/17 – 04/2	2 Diamondhead/I-10 Round 10/Diamondhead interchar The project will mitigate co	Diamondhead/I-10 Roundabouts. Mississippi Department of Transportation. Provided preliminary roadway design of dual lane roundabouts at the 10/Diamondhead interchange. Served as the MDOT project manager for complete Phase A plans with the addition of a third dual lane "mini" roundabout The project will mitigate congestion by upgrading the stop-controlled intersections to roundabouts as well as provide access management along the corridor				
11/15 - 11/1	8 S.R. 404 Bridge Replacer	S R 404 Bridge Replacement Montgomery County Mississioni Department of Transportation Served as the Roadway Designer				
	plans for the replacement	of two bridges	on S.R. 404 in Montgomery County. Site 1 was a road-cl	osed off-site detour due to proximity to the interstate. Site		
	2 included an on-site detou	ur to maintain ti	affic during construction.	·····		
02/16 - 04/2	2 I-10 Widening, Hancock a	I-10 Widening, Hancock and Harrison County. Mississippi Department of Transportation Developed Phase A Plans for the widening to six-lanes of				
	10 between Diamondhead	10 between Diamondhead and the Wolf River in Hancock and Harrison counties. Plans included a 3D model of the 12-mile corridor.				
08/18 – 03/1	9 U.S. 90 Intersection Imp	provements, J	ackson County. Mississippi Department of Transpo	ortation. Served as the MDOT Project Manager for the		
	development of Phase B p	lans for a hybr	id "Super Street" along 4.6 miles of U.S. 90 in Jackson (County. The project improved access management along		
01/10 _ 01/2	1 S P 43 Bridge Peplacem	the corridor, improved drainage, and provided signal improvements.				
01/19 - 01/2	of Phase A and Phase B r	lans for the re	blacement of a bridge in Pearl River County along SR 4	L3. Due to the rural location of the bridge the road will be		
	closed during construction and realigned to improve the angle with the channel.					
08/19 - 04/2	2 U.S. 98 Bridge Replacem	U.S. 98 Bridge Replacement, Marion County. Mississippi Department of Transportation. Served as the MDOT Project Manager for the replacement				
twin bridges on U.S. 98 in Marion County			crossing the Pearl River. Phase A and Phase B plans were developed at an expedited rate due to scour issues on			
	the existing bridges.					
11/18 – 03/1	9 U.S. 49 Safety Improve	ments, Forres	st County. Mississippi Department of Transportation	on. Served as the MDOT Project Manager for safety		
	Improvements along 19.3 f	TILLES OF U.S. 4	o in Forest County. Improvements included shoulder wide	ening and improved clear zone along the corridor, multiple		
			sito, and or improvements at multiple creat vertical curve			

Firm employed by	Firm employed by Michael Baker			
Name Alexis	s Harrouch, El	Years of relevant experience with this employer	€ <1	
Title Engine	er Intern	Years of relevant experience with other employer(s)	⇒ 1.5	
Degree(s) / Years	/ Specialization	B.S. / 2020 / Civil Engineering	Q/78 3	
Active registration	number / state / expiration date	EI.0034742 / LA / 06-30-2023 Traffic Control Technician-LA State Specific / August 2 Traffic Control Supervisor-LA State Specific / August 2	2026	
Year registered	2021	Discipline Civil		
Contract role(s) / b	prief description of responsibilities	TRANSPORTATION/ROADWAY DESIGNER		
Ms. Harrouch wil	I serve a transportation/roadway de	signer responsible for the development of horizonta	I and vertical alignments, roadway hydraulics, development	
of 3D design mod	dels, and development of construct	ion plans.		
Experience dates	Experience and qualifications relevant	ant to the proposed contract; <i>i.e.</i> , "designed drainage", "o	designed girders", "designed intersection", etc. Experience dates	
(mm/yy–mm/yy)	should cover the time specified in the	he applicable MPR(s).		
10/22 – Ongoing	US 371: KCS RR Overpasses HBI, Webster Parish, Louisiana. LADOTD. Transportation/Roadway Designer. Responsible for the horizontal layout of detour road/bridge for the replacement of the existing bridge at Sibley, LA. Additional responsibilities include the develop of construction plans that meet DOTD and KCS RR requirements.			
10/22 – 5/23	3 Barksdale AFB Entrance Road and Gate Complex, Design-Build, Bossier Parish, Louisiana. Transportation/Roadway Designer. Responsible for th quantity takeoff and development of construction plans for contractor on a design-build project for new entrance roads for Barksdale AFB. The project consists of the design and construction of an extension of an existing state-owned highway, LA 1267, along with a new multi-lane roundabout. The new roadway will be a 4-lane divided highway entrance into the Barksdale AFB.			
10/22 - Ongoing	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program – District 07, Louisiana. DOTD. Project Manager. Responsible for the development of construction plans for 12 Off-System Bridge replacement locations for the five parishes in District 07. Additional responsibilities include the coordination with sub-consultants for the services of topographic surveys, row mapping, geotechnical investigations, and hydraulic support. This project program requires Michael Baker to deliver 12 bridge replacements within the \$30.3 million dollars with allocated for District 07. DOTD issued NTP for additional services in May 2023			
10/22 - Ongoing	LA 30: EBR P/L – I-10, Iberville and Ascension Parishes, Louisiana. LADOTD. Engineer Intern/Roadway Designer. Responsible for the layout of the existing alignment along with determining the apparent row along the corridor based off as-builts and provided GIS parcel information from both Ascension and Iberville Parishes. Project limits have been extended an additional 5 miles to include the environmental study along the corridor in East Baton Rouge Parish. Additional responsibilities include the delineation of drainage area for several cross structures (bridge/box culverts/culverts) along the corridor along with determining the existing flows for those structures.			
10/22 - Ongoing	Airline Highway (US 61) – North f the delineation of drainage areas al Hurricane Creek that cross along th through lane in each direction and t environmentally clear, required drai	or MOVEBR, East Baton Rouge Parish, Louisiana C ong with using the DOTD Hydraulics Manual and HYDR e project limits. Additional responsibilities include check he impacts on existing parallel drainage along the corrid nage structures will be designed for the future improvem	City/Parish of Baton Rouge. Engineer Intern. Responsible for WIN software to develop the flows for both Jones Creek and king the required hydraulics for the addition of an additional or. The project is currently in the NEPA phase and once ments.	

01/23 - Ongoing	Ardenwood-Lobdell Connectory for MOVEBR, East Baton Rouge Parish, Louisiana City/Parish of Baton Rouge. Engineer Inter. Responsible for performing independent technical review of roadway plans at each milestone submittal for the new Ardenwood-Lobdell Connector. The new connector is a 2-lane roadway with curb & gutter along with intersection improvements at both Lobdell Ave. and Ardenwood Rd. Project includes accommodations for complete streets with pedestrian sidewalks and bikepaths.
08/21 - 08/22	Perkins Road, East Baton Rouge Parish, Louisiana. East Baton Rouge Parish. Engineer Intern. Responsible for the design of a section of roadway drainage. Additional responsibilities included the takeoff of project quantities along with participating in the development of geometry design for the project as well as the development of a striping layout.
01/21 – 09/22	I-49 Connector, Lafayette, Louisiana. Lafayette Parish. Engineer Intern. Responsible for the development of preliminary typical sections, cross sections and roadway models through the use of Microstation and Inroads Select Series 2. Developed vehicle turning move layouts with the use of Transoft AutoTurn along with participating in the development of geometry design for the project. Additional responsibilities included roundabout design in the core area along with the required tapers per LADOTD Standards.
02/21 – 04/22	Constantin, East Baton Rouge Parish, Louisiana. East Baton Rouge Parish . Engineer Intern. Responsible for the development of project design quantities along with the development of signing and striping layouts. Additional responsibilities included the development of geometric detail and layout sheets for the project.

Firm employed by Michael Baker				
Name L.R. "	Eric" Erikson, PE, CFM	Years of relevant experience with this employer	€ <1	
Title Departm	nent Manager – Water Resources	Years of relevant experience with other employer(s)	⇒ 24	
Degree(s) / Years /	Specialization	M.S., 2003, Engineering and Technology Management, L B.S.C.E., 1999, Civil Engineering, Louisiana Tech Univer	Louisiana Tech University	
Active registration	number / state / expiration date	Professional Engineer/ LA/ #0031061/03/31/2024	·	
Year registered	2004 Discipline	Civil		
Contract role(s) / b	rief description of responsibilities	HYDRAULICS/DESIGN ENGINEER – QA/QC	HYDRAULICS/DESIGN ENGINEER – QA/QC	
Mr. Erikson will se	erve a technical advisor to the hydraulion	s/drainage team for task orders requiring drainage ar	nalysis and design. He will also support the team if	
hydraulic modelin	ig is required for the replacement/modif	cation of drainage structures.		
Experience dates	Experience and qualifications relevant to	the proposed contract; <i>i.e.</i> , "designed drainage", "designed	girders", "designed intersection", etc. Experience	
(mm/yy–mm/yy)	dates should cover the time specified in the	ne applicable MPR(s).		
01/23 – Ongoing	LA 30: EBR PL – I-10, Ascension, Ibery	ville, and East Baton Rouge Parishes, Louisiana DOT	D - Mr. Erikson is currently serving as the Hydraulics	
	QA/QC Reviewer for the NEPA study for	or the widening of LA 30. Project is currently in the F	Part 1 phase of the study to determine the required	
	widening requirements of LA 30 from	the East Baton Rouge Parish Line to I-10. Project co	overs nearly 14 miles of improvements along LA 30	
	through Iberville and Ascension Paris	Sh. The study will determine how many additional	lanes necessary for LA 30 along this stretch with	
	Intersection improvements at Bayou	Paul Lane, LA 74, LA 3115, LA 73, and LA 3251.	Additional responsibilities for IVIF. Erikson include	
	reviewing the HEC BAS models for as	e been delineated property and that the storm water		
01/23 - Ongoing	IS 271 KCS PP Overpass HPL Louisia	auidanco roviow and		
01/25 - Oligoling	Quality Control for the drainage design	of the new improvements of US 371 for the replacem	y guidance, review, and pent of 3 bridges at 2 different locations: (Sibley, I.A.	
	and Minden $ \Delta\rangle$ The bridges are be	ing replaced of KCS railroad at both locations. The	Sibley 1 A site consists of a new bridge alignment	
	offset from the existing to allow traffic t	o remain open during construction. The bridges at the	e Minden site bridges are being replaced in multiple	
	traffic control operations where 1 brid	re will remain open while a new bridge is being built	Once new bridge is built traffic will move over to	
	new bridge while the other bridge is be	ing replaced. Mr. Erikson's QA/QC review will make s	sure drainage is being done in accordance to DOTD	
	Hydraulic Manual			
01/23 – Ongoing	Airline Highway (US 61) - North fo	r MOVEBR, East Baton Rouge Parish, Louisiana	a City/Parish of Baton Rouge. Project Manager.	
	Responsible for the review and analys	s of major drainage crossings along Airline Highway b	between I-110 to US 190/US 61. Project is currently	
	in the NEPA Decision making proces	s. Addition responsibilities include reviewing existin	ng models provided by MOVEBR for Jones Creek	
	Crossing and Hurricane Creek crossi	ngs. NEPA Hydraulics phase is a low-level look at	drainage improvements for the widening of Airline	
	Highway from a 4-lane divided roadwa	y to a 6-lane divided roadway. Once the NEPA proces	ss is complete, engineers will be released to develop	
	construction plans. Mr. Erikson will ov	rersee the development of the roadway drainage for t	he improvements. Project is currently following the	
	DOTD guidelines for NEPA clearance			
01/23 - Ongoing	Louisiana Watershed Initiative (LV	/I) Region 6 TO 2, Louisiana DOTD. Deputy Principal Activity Prin	oject Manager. Responsible for providing contract	
	administration and assisting project m	anager in general project management duties such	as resource allocation, scheduling, coordination of	
	team members, and financial analysis	Michael Baker supplemented data collection and ana	alysis, continued stakeholder engagement services,	
	and performed topographic, bathymet	ric, and channel surveys. This task includes 2 HUC8	vvatersned models.	

01/23 - Ongoing	Louisiana Watershed Initiative (LWI) Region 6 TO 3 Louisiana. DOTD. Deputy Project Manager. Responsible for the contract administration and assisting the project manager with general project management duties such as resource allocation, scheduling, team coordination, and financial analysis. Michael Baker is providing engineering and modeling services to the Louisiana Department of Transportation & Development (DOTD) for Region 6 for the Louisiana Watershed Initiative (LWI). This task includes 2 HUC8 Watershed models.
01/23 - Ongoing	Louisiana Watershed Initiative (LWI) Region 1, Louisiana DOTD. Deputy Project Manager. Responsible for the contract administration and assisting the project manager in general project management duties such as resource allocation, scheduling, team coordination, and financial analysis. This task includes 3 HUC8 Watershed models.
01/23 - Ongoing	Louisiana Watershed Initiative (LWI) Region 4, Louisiana DOTD. Deputy Project Manager. Responsible for contract administration and assisting the project manager with general project management duties such as resource allocation, scheduling, team coordination, and financial analysis. This task include 1 HUC8 Watershed models.
01/23 - Ongoing	LWI/SPP Group 1 Beauregard, Vernon and St. Landry Parishes, Louisiana DOTD . Project Manager. Responsible for the overall execution of the project, contract administration, and general project management duties, which include resource allocation, team coordination, sub- consultant coordination, scheduling, and financial analysis. Project will determine improvements to the watershed and reservoirs located within to mitigate flooding in the region.
01/23 - Ongoing	Parish Comprehensive Drainage Plan, St. Tammany Parish, Louisiana St. Tammany Parish. Deputy Project Manager. Responsible for contract administration and assisting with general project management duties, such as resource allocation, team coordination, scheduling, and financial analysis. Attending public outreach meetings and assisted the public in understanding the project objective and goals. Provided review and QC of the Phase 1 final report.
1/20 – 12/22	South Choctaw Widening, Baton Rouge, Louisiana City. Parish of East Baton Rouge DPW. QA/QC. Responsibilities included oversight of entire construction plan set, including geometric design and drainage design. Reviewed DOTD HYDRWIN input and output files to make sure the design team was following DOTD Hydraulics Manual and design requirements. Also responsible for assisting the designer in addressing drainage comments from the municipality.

Firm employed by Michael Baker				
Name Aaror	Dunavant, PE		Years of relevant experience with this employer	
Title Civil En	gineer		Years of relevant experience with other employer(s)	⇒ 5
Degree(s) / Years	/ Specialization		BS / 2015 / Biological and Agricultural Engineering / Texas A&M University	
Active registration	number / state / expiration da	ate	Professional Engineer/ LA/ #0047578 / 09/30/23	
Year registered	2015	Discipline	Civil	
Contract role(s) / b	rief description of responsibi	lities	HYDRAULICS/DRAINAGE ENGINEER	
Mr. Dunavant will	serve a hydraulics/drainag	je engineer re	sponsible for the hydraulic analysis and design for tas	k order projects. Mr. Dunavant has a background of
hydraulic/hydrolo	gy modeling that will serve	e the drainage	e team if channel modeling is required for any replacen	nent/modification for drainage structures.
Experience dates	Experience and qualification	ns relevant to	the proposed contract; <i>i.e.</i> , "designed drainage", "designed	d girders", "designed intersection", etc. Experience
(mm/yy–mm/yy)	dates should cover the time	e specified in t	ne applicable MPR(s).	
09/21 – Ongoing	Louisiana Watershed Init	iative Modelin	ng Contract – Region 6, Louisiana. DOTD. HEC-RAS M	Nodeler. Responsible for gathering background data
	and creating a 2D HEC-I	RAS model for	or the East Coastal Louisiana HUC-model in Region 6	5. Additional responsibilities include troubleshooting
	the models for errors alo	ng with the ir	isertion of bridge structures and calibrating the model	I. Created technical memos detailing all information
	and data from model. P	roject include	s creating the GIS breaklines within the HEC-RAS mo	odels.
01/22 – Ongoing	Louisiana Watershed Ir	nitiative Mod	eling Contract – Region 4, Louisiana. DOTD. HEC-	RAS Modeler. Responsible for gathering background
	data and creating a 2D I	HEC-RAS mo	del for the Sabine River HUC-model in Region 4. Ac	dditional responsibilities include troubleshooting the
	models for errors along v	with the insert	ion of bridge structures and calibrating the model. Cru	eated technical memos detailing all information and
07/47 05/40	data from model. Projec	t includes cre	ating the GIS breaklines within the HEC-RAS models	
07/17 - 05/18	Houston Arboretum an	d Nature Ce	nter (HANC) Ravine Restoration Project, Houston	, Texas. Houston Arboretum and Nature Center.
	Project Engineer, CAD Des	signer, HEC-R/	AS Modeler. Perform initial site conditions survey and to	opography survey. Create construction plan set and
	details using CAD softwa	are. Perform	scour analysis on proposed bridge design. HANC Pro	bject SWG -2017-00075. This project involves 1000
	linear feet of stream at th	e Houston Al	boretum and Nature Center. This project renabilitates	s the banks of the ravine and the replacement of two
00/47 00/40	existing bridges with new	/ bridge struc	lures. Tan Dank Dasima Okambana Osanta Tanas Wil	
08/17 - 02/18	Spindletop Bayou wetland Mitigation Bank Design, Chambers County, Texas. Wildwood Credits. CAD Designer, HEC-RAS Modeler.			
	Responsible for creating	Dase DEM T	e using existing LIDAR and merge with point survey.	Created 2D model in HEC-RAS to calculate size of
Ievee breach needed to create wetlands. Used CAD So			us. Used CAD Software to calculate cut/fill totals for c	constructed levees and mitigation bank design.
05/10 - 10/18	2D wodeling Simulatio	ns for Hydra	IUIIC IMPACTS OF HUGSON FOREST BANK EROSION, HO	buston, lexas. HEC-RAS Modeler. Responsible for
	surveying project area v	vitin i rimble a	difference observations on the design bank	to create DEM. Used HEC-RAS to create multiple
	proposed scenarios and	calculate the	unerence snear stresses on the design bank.	

Firm employed by Michael Baker					
Name Jus	tin West, EI, CFM	Years of relevant experience with this employer	⊇ <1		
Title Civil	Associate	Years of relevant experience with other employer(s)	⇒ 3		
Degree(s) / Yea	ars / Specialization	BS / 2019 / Environmental Engineering / Louisiana Sta	ate A&M University		
Active registrati	on number / state / expiration date	E.I. 34734/ Louisiana / 3-31-2025			
, touvo rogiouad		CFM US-22-12180 / 01/31/2024	CFM US-22-12180 / 01/31/2024		
Year registered	2019	Discipline Civil			
Contract role(s)	/ brief description of responsibilities	WATER RESOURCES ENGINEER	where the drugster of this continue		
WIR. West WIII s	erve as nydraulics engineer for both	roadway and bridge hydraulics for task orders throu	Jgnout the duration of this contract.		
) dates should cover the time spec	ified in the applicable MPR(s)	ge, designed girders, designed intersection, etc. Experience		
01/23 – Ongo	ing IIIA Off System Bridge Ben	acement District 07 Parishes DOTD Hydraulics	Reviewer Mr. West assisted in technical OC by reviewing		
o n 20 o ngo	several watersheds delineated	within the project area and the associated hydraul	lic calculations		
03/23-Ongoi	ng FM 149 TxDOT. PCSWMM D	esigner. Mr. West assisted in the proposed condition	ons modeling by developing the proposed conditions model		
Ū	in PCSWMM, creating the pro	posed drainage areas, structures, and geometry.	······································		
04/22 – Ongo	ing LA 30: EBR PL – I-10, Asce	nsion, Iberville, and East Baton Rouge Parishe	s, Louisiana DOTD Technical QC. Mr. West assisted with		
_	the technical QC process by re	eviewing several watersheds delineated within the	project area and the associated hydraulic calculations.		
09/21 – Ongo	ing Louisiana Watershed Initiati	ve (LWI) Region 6 TO 3, Louisiana DOTD. HEC-	RAS Modeler. I am the Lead modeler for the Eastern Central		
	Louisiana Coastal (Region 6) HEC-RAS model. I developed the loss method for infiltration, soils, and land use data. I created center				
	the major streams in the wate	rshed by filtering out small streams from the Natior	nal Hydrology Database. I developed the hydraulic models'		
	break lines, bridge structures,	and mesh geometry. I simulated storms within the H	EC-RAS models and adjusted calculated values to calibrate		
	and validate the model.				
09/21 – Ongo	ing Louisiana Watershed Initiati	ve Modeling Contract – Region 1, Louisiana. D	OOTD. HEC-RAS Modeler. I am the lead modeler for Black		
	Lake Bayou (Region 1) HEC-I	RAS model and technical Qc reviewer. I developed	d the loss method for infiltration, soils, and land use data. I		
	created centerlines for the ma	or streams in the watershed by filtering out small s	treams from the National Hydrology Database. I developed		
the hydraulic models' break lines, bridge structures, and mesh geometry. I simulated storms with			nulated storms within the HEC-RAS models and adjusted		
0.0/0.0.00/0	calculated values to calibrate a	and validate the model.			
02/22 – 02/23 LCG Stormwater Master Plan, Lafayette Parish Lafayette Consolidated Government- Mr. West analyzed multiple was hydraulic modeling in HEC-RAS. Mr. West completed the existing conditions model for one of the watersheds in this project. No			vernment- Mr. West analyzed multiple watersheds with 2D		
			er for one of the watersheds in this project. Wr. West assisted		
	with the proposed alternatives	to mitigate flooding for the basin that was also d	teveloped for the client. Mr. West was responsible for the		
	Mr. West reviewed the results	b) Using the outcome of the proposed projects to establish mitigation alternatives for stormwater management.			
02/22 _ 02/2	3 East Poten Pougo City Pori	and draned a report nighting the conclusions m	duc		
UZIZZ = UZIZ	VLILE - VLILS East Daton Rouge City-Parish Stormwater master Plan, East Baton Rouge Parish Department of Transportation and Draina				
	1011. VVESI assisted in developi	ig the proposed conditions Floodplain Conveyance			

02/22 – 02/2023	LCG Residential Buyout Plan, Lafayette Parish Lafayette Consolidated Government - Mr. West used GIS programming to create a
	structure map of Lafayette Parish to locate at-risk structures for a buyout program. Using the outcome of the proposed locations to establish
	a mitigation plan that distinguished houses that would be the most at-risk alternatives from stormwater flooding. Mr. West reviewed the results
	and drafted a report highlighting the conclusions made.
05/22 – 02/23	RESTORE Parish Matching Grant Program CPRA The CPRA Parish Matching Program was designed to help coastal parishes that received RESTORE funds prioritize Coastal Master Plan projects while also recognizing and responding to the needs of parishes to implement projects that may not be contained in the Coastal Master Plan. Mr. West is responsible for the Existing and proposed models. Using the projects to establish non-structural mitigation alternatives for stormwater management. Mr. West reviewed the results and drafted a report highlighting the conclusions made.
02/22 – 02/23	Chennault Stormwater Plan Calcasieu Parish Public Works Mr. West analyzed the Chennault Airport's existing drainage conditions with 2D hydraulic modeling in HEC-RAS. Proposed alternatives to mitigate flooding for the Airport were also developed for the client. Mr. West was responsible for the proposed models. Using the outcome of the proposed projects to establish mitigation alternatives for stormwater management. Mr. West reviewed the results and drafted a report highlighting the conclusions made
05/22 – 02/23	Comite River Improvements Feasibility Study East Baton Rouge Parish Department of Transportation and Drainage. Mr. West reviewed the data received from the areal drone survey, 2D hydraulic modeling to represent the impacted channel, and report writing.
02/21 – 02/22	St. Charles Parish Drainage Master Plan St. Charles Parish Public Works . Mr. West was an engineering modeler developing the St. Charles Parish Master Drainage Plan (MDP). The MDP analyzes the existing gravity and forced drainage networks within the West Bank of St. Charles Parish and provides recommendations for improvements to these systems aimed towards mitigating flooding both for the existing conditions and due to future planned development.
06/20 – 02/21	LWI and HMGP Permit Applications: Grays Creek North and South and Grays Creek Detention Ponds, Dixon Creek Drainage Improvements, Shadow Springs Subdivision Drainage Improvements, Colonial Cove Subdivision Drainage Improvements, Walker Sewer Mitigation Project, Clinton Allen Drainage Ditch, and created hydrologic and hydraulic analysis and FEMA benefit-cost analysis.
06/20 – 02/21	Steady Flow 1D HEC-RAS Model, Beaver Creek, and Long-Slash Branch Watersheds. Mr. West completed 1D hydraulic and hydrologic models for the Bever Creek and Long-Slash Branch watersheds. These studies involved the hydrologic and hydraulic analysis of drainage structures and drainage areas within the watersheds. Existing conditions and proposed conditions models were created along with a benefit-cost analysis for the improvements proposed in the proposed conditions model.

Firm employed by Michael Baker				
Name Afaq A	hmad Durrani	Years of relevant experience with this employer	⊃ <1	
Title Civil Asso	ciate	Years of relevant experience with other employer(s)	⇒ 1	
Degree(s) / Years / S	Specialization	M.S.E / 2022 / Civil Engineering / University of Louisiana at Lafayette		
Active registration nu	umber / state / expiration date	Mr. Durrani passed his FE exam on 6/14. Currently waiting on LAPELS to issue his EI license number.		
Year registered	N/A	Discipline N/A		
Contract role(s) / brie	ef description of responsibilities	WATER RESOURCES ASSOCIATE		
Mr. Durrani will serv	ve as hydraulics engineer for both	h roadway and bridge hydraulics for task order throu	igh out the duration of this contract. He has recently passed	
his FE exam and is	currently just waiting on LAPEL	S to issue his El license number.		
Experience dates	Experience and qualifications rel	evant to the proposed contract, <i>i.e.</i> , "designed drainag	je", "designed girders", "designed intersection", etc. Experience	
(mm/yy–mm/yy)	dates should cover the time spec			
05/23 – Ongoing	IIJA Off System Bridge Replacement, District 07 DOTD. Mr. Afaq delineated watersheds within the project area and performed hydraulic calculations using HYDRWIN.			
01/23-Ongoing	Louisiana Watershed Initiative Modeling Contract – Region 1, Louisiana. DOTD. HEC-RAS Modeler. Mr. Afaq is the modeler for Black Lake Bayou. He created a portion of the 2D model where he developed break lines, refinement regions, culverts, bridge structures and mesh geometry in the hydraulic model. He also created 1D models for several HUC 08's in region 1 which include Blake Lake Bayou, Saline Bayou and Bodcau Bayou.			
01/23 – Ongoing	Louisiana Watershed Initiative Modeling Contract – Region 4, Louisiana. DOTD. HEC-RAS Modeler. Mr. Afaq is calibrating the HEC-RAS 2D model for Lower Sabine.			
05/22 – 12/22	BLE model for Hazard Rd. Iberia Parish Government, Louisiana. Student Intern. Mr. Afaq developed the Base Level Engineering model for Hazard Road to check the effect of asphalt overlay on flooding in the adjacent area. Mr. Afaq used HEC-RAS to create a 2D model.			
05/22 – 12/22	University at Renaud Roundabout. LaDOTD. Student Intern. Mr. Afaq was part of the drainage design team. He delineated the drainage area and determined the longest flow paths, calculated the time of concentration, discharge and pipe size. He utilized ArcGIS pro and HYDRWIN for drainage design.			
05/22 – 12/22	Kaliste Saloom: Phase 3B. Louisiana Consolidated Government (LCG). Student Intern. Mr. Afaq helped with preparing daily, weekly reports and monthly payment sheets.			

Firm employed by	Firm employed by Michael Baker				
Name Philip	Walker, PE	Years of relevant experience with this employer	● 4	135	
Title Region	al Practice Lead – Bridge	Years of relevant experience with other employer(s)	● 27		
Degree(s) / Years	/ Specialization	M.S.C.E. / 1991 / Structural Engineering / Georgia Institu B.S.C.E. / 1990 / Structural Engineering / Tennessee Te	ute of Technology chnological University		
Active registration	number / state / expiration date	PE.0046394 / Louisiana / 09-30-2024			
Year registered	2022 Discipline	Civil			
Contract role(s) / I	prief description of responsibilities	BRIDGE TECHNICAL ADVISOR			
Mr. Walker will se	erve as bridge QA/QC reviewer for task o	rders that may involve the replacement of any design	replacement/modification of structures		
Experience dates	Experience and qualifications relevant to	the proposed contract; <i>i.e.</i> , "designed drainage", "designe	d girders", "designed intersection", etc. Exp	perience	
(mm/yy–mm/yy)	dates should cover the time specified in t	ne applicable MPR(s).	f Transportation Technical Advisor Dhil	lin in nanvidina	
10/21 - Ongoing	/21 - Ongoing SR 28 Bridge over the Strong River, Simpson County, Mississippi. Mississippi Department of Transportation. Technical Advisor suggestions and guidance to the team while guiding responses to client comments for the design of a three span post-tensioned splice beam bridge across the Strong River.			ecast concrete	
12/14 – 01/15	Harrisburg Overpass, Houston METRO East Corridor Project, Houston, Texas. Houston METRO. QAQC Review. Philip provided QC Review of t 885-foot-long bridge carrying both two tracks of light rail and two lanes of highway traffic. He reviewed both calculations and each plan phase submitt Project consisted of multiple spans of precast concrete girders made continuous for live load with a substructure containing multiple reinforced concre- straddle bents supported on drilled shafts. Direct fixation was used to connect rails to raised plinths to superstructure deck.			Review of the ase submittal.	
03/09 – 04/14	Mid-Bay Bridge Authority General Engineering Contract – Phase 2 and Phase 3, Okaloosa County, Florida. Mid-Bay Bridge Authority. Philip we the Structural Project Manager and Engineer of Record responsible for all structures along the 8 mile corridor. Project includes three grade separal structures and five waterway crossings. Project highlights included minimization of wetlands impacts, prohibition on stream construction to protect endanger species, use of hybrid girders and weathering steel, and use of work trestles at various locations. Project also includes an overhead gantry to facilitate to along with other standard overhead sign structures.			ity. Philip was ide separation ct endangered facilitate tolling	
02/07 - 05/09	HBT Bridge over HBT Railroad - Houston METRO North Corridor Project, Houston, Texas. Houston METRO. QC Reviewer. Mr. Walker was the C reviewer for structural details along the 1722' viaduct supporting twin light rail tracks. The bridge consisted of fifteen spans of precast Texas U-bea superstructure and a central 426' unit consisting of a 3 span structure consisting of parallel steel box girders. Mr. Walker was the Engineer of Record for Rolling Stock Analysis of a three-span continuous steel box girder superstructure supporting two parallel light rail tracks. The special study was conduct to verify the appropriateness of live load impact factors used. The work consisted of conducting a time history analysis of vehicles traveling across t structure using the modal superposition technique.				
11/08 - 09/13	Main Street Bridge over White Oak Bayou – Houston METRO North Corridor Project, Houston, Texas. Houston METRO. Engineer of Record. Philip was the Engineer of Record for design of strengthening and reconstruction of the historic structure for purpose of carrying light rail tracks. Historic requirements and permit limitations dictated use of an atypical structural system consisting of reinforced concrete T-beams spanning up to 80 feet for the 420-foot-long bridge. Bridge deck and track profile was required to match the existing bridge grade which transitioned 20 feet vertically from the north ban of the waterway up to a track station platform at the third floor of the University of Houston campus building.			Record. Philip racks. Historic 80 feet for the the north bank	
06/05 - 12/11 Mid-Bay Bridge Authority General Engineering Contract – Phase 1, Okaloosa County, Florida. Mid-Bay Bridge Authority. Philip was the Project Manager and Engineer of Record responsible for all structures along the 3.5-mile corridor. Project includes three bridge structures with version structures, and mastarms. Bridge structures include two 245-foot simple span hybrid steel plate girder structures and a 95-foot simple span. Type IV girder structure.			the Structural various walls, span AASHTO		

07/06 - 12/11	SR 559 over CSX Railroad, Polk County, Florida. Florida Department of Transportation District 1. Philip was the Structural Project Manager and Engineer of Record for the 422-foot AASHTO Type VI girder bridge. Adjacent storage tanks necessitated requirement of drilled shaft foundations at both intermediate piers and end bents to minimize construction vibrations. Project included wrap-around MSE walls and various cantilever sign structures.
02/06 - 01/09	Leisey Road Extension Project, Hillsborough County, Florida. Newland Communities. Structural Project Manager and Engineer of Record. Mr. Walker served as the Structural Project Manager and Engineer of Record for all structures along the corridor. The project included a 160-ft. truss bridge carrying two lanes of traffic with sidewalks across CSX railroad tracks at the entrance to the housing development. The project's design reflected incorporation of the requirements of FDOT's Florida Greenbook. The structure's span length across the tracks satisfied FDOT's requirements for horizontal clearance when crash walls were not provided. The Pratt Truss utilizing weathering steel provided the aesthetic look of an "old railroad bridge" that was desired by the owner. The development's fees incorporated maintenance costs for stain removal from concrete surfaces due to use of weathering steel.
03/05 - 02/13	SR 79 over Holmes Creek, Vernon, Florida. Florida Department of Transportation District 3. Philip was the Structural Project Manager and Engineer of Record for the twin 1000-foot AASHTO Type IV girder bridges. He was responsible for all contract documents for the bridge, retaining walls (anchored sheet pile), and mastarm structures. The presence of artesian pressure and swampy conditions required the design of two foundation solutions – steel pipe piles and drilled shafts. He provided technical direction and supervision to a staff of three engineers and two technicians.
12/98 - 03/00	US 17 Bridge Replacements, Duval County, Florida. Florida Department of Transportation District 2. Philip was the Project Manager for construction assistance and shop drawing review for construction at seven sites along the corridor. Superstructure types consisted of box culverts, reinforced concrete flat slabs bridges, and bridges utilizing precast concrete AASHTO girders. Both drilled shafts and driven piling were used for deep foundations.
01/96 - 04/96	US 1 Bridge Replacements, Duval County, Florida. Florida Department of Transportation District 2. Assisted in the design of the AASHTO girder structures. HDR provided preliminary, final and post design services for the reconstruction of eight bridges and their roadway approaches located in northwest Florida. Descriptions for each of the bridges are as follows: (01/1996 to 04/1996)
	 US 1 over Durbin Creek. The crossing consists of a pair of 159-foot long bridges. The multi-span superstructure utilized AASHTO Type II Girders. All bents were supported by precast concrete piling. US 1 over Moses Creek. The crossing consists of a pair of 150-foot long bridges. The multi-span superstructure utilized AASHTO Type II Girders. All bents were supported by precast concrete piling. US 1 over Moultrie Creek. The crossing consists of a pair of 210-foot long bridges. The multi-span superstructure was a reinforced concrete flat slab section. Racetrack Road over Durbin Creek. The bridge was a 376-foot long structure. The multi-span superstructure utilized AASHTO Type III Girders. All bents were supported by precast concrete piling. SR 207 over Cracker Branch. The bridge was a 171-foot long structure. The multi-span superstructure was a reinforced concrete flat slab section.

Firm employed by Michael Baker						
Name	Jeffre	y McRae, PE		Years of relevant experience with this employer	24	
Title	Technic	al Manager – Bridge		Years of relevant experience with other employer(s)	\bigcirc 0	
Degree(s)	/ Years /	Specialization		B.S. / 1996, Civil Engineering / Mississippi State University	sity	
Active regi	istration i	number / state / expiration da	ate	PE.0034554 / LA / 09-30-2023		
Year regis	stered	2009	Discipline	Civil		
Contract ro	ole(s) / b	rief description of responsibil	lities	BRIDGE DESIGN ENGINEER		
Mr. McRa	e will se	rve as structural design lea	ader if task or	ders require new/replacement/modification of existing	j structures.	
Experience	e dates	Experience and qualificatio	ons relevant to	the proposed contract; <i>i.e.</i> , "designed drainage", "designe	d girders", "designed intersection", etc. Experience	
11/21 – Oi	ngoing	/yy)dates should cover the time specified in the applicable MPR(s).oingUS 371: KCS RR Overpasses HBI, Webster Parish, Louisiana. LADOTD. Bridge Design Lead. Mr. McRae is serving as the Bridge Design Lead for the replacement of 3 bridges along US 371 at 2 locations: Sibley, La and Minden, LA. His responsibilities include overseeing the bridge design calculations and development of bridge plans making sure they meet both DOTD and KCS Railroad Design Guidelines. Project does include the design of a detour structure (Akrow Bridge) for the bridge site at Sibley in order to keep US 371 open under traffic.				
01/06 - 1	12/12	S.R. 27 Reconstruction Between the Kansas City Railroad and US 80, State Route 27, Vicksburg, Mississippi. Mississippi Department of Transportation. Project Manager. Responsibilities included project management, generation of engineering design calculations, bridge geometry, bridge quantities and conceptual through final design contract plans. This project consisted of preparation of right-of- way and construction plans to reconstruct S.R. 27 between the Kansas City Railroad and US 80 in Warren County, MS. Michael Baker performed bridge and retaining wall design as well as roadway lighting. Suconsultants, ABMB and CivilTech, provided the necessary roadway design.				
01/10 - 0	04/13	S.R. 16 from S.R. 15 to S.R. 19 Bridge Design, Neshoba County, Mississippi. Mississippi Department of Transportation. Engineer. Responsibilities included generation of engineering design calculations, bridge geometry, bridge quantities, and conceptual through preliminary bridge design contract plans for ten bridges. Michael Baker provided engineering services for improvements to 10 miles of S.R. 16 from S.R. 15 to S.R. 19. Michael Baker's services included the Phase A preliminary bridge plans for eight bridges, including hydraulic design for three bridges and a railroad crossing bridge, and stream and wetland delineation.				
12/00 - (01/04	S.R. 22 / Nissan Roads, Madison County, Mississippi. Mississippi Department of Transportation. Assistant Engineer. Responsibilities included generation and checking of engineering design calculations, bridge quantities and final design contract plans. Responsibilities also included generating all bridge design calculations and contract plans for an AASHTO beam bridge located at Nissan Drive over the Illinois Central Railroad. This Nissan project was for the development of contract plans for three access roads to the site of the Nissan Plant in Canton, Madison County, Mississippi.				
11/13 - 1	12/19	2/19 S.R. 28 Big Creek, Quinn Creek, and Strong River Bridge Replacements, Simpson County, Mississippi. Mississippi Department of Transportation Engineer. Responsibilities included generating preliminary bridge R.O.W. plans, geometric calculations and design calculations for three hydraulic brid crossings. One of the crossings, Strong River, required four separate alternates to be detailed as well as a construct-ability report and cost estim comparison discussing the advantages and disadvantages of each alternate. Michael Baker is providing engineering services for the replacement of the S 28 bridges over Big Creek, Quinn Creek, and Strong River. Michael Baker's services included hydraulic analyses, scour assessments, stream bas stabilization evaluations, preparation of hydraulic analysis reports, and conceptual and preliminary design.			ississippi. Mississippi Department of Transportation. ations and design calculations for three hydraulic bridge as well as a construct-ability report and cost estimate iding engineering services for the replacement of the S.R. d hydraulic analyses, scour assessments, stream bank design.	
03/09 - (03/21	S.R. 9 Bridge Replacements, Calhoun County, Mississippi. Mississippi Department of Transportation. Project Manager. Responsibilities included overall project management, QA/QC of bridge design calculations, and generation of final contract plans. Michael Baker provided engineering and design				

	services for final bridge construction plans for four bridge replacements: Bridge No. 35.5 over Shutispear Creek, Bridge No. 40.7 over Yalobusha River Relief, Bridge No. 40.9 over Yalobusha River, and Bridge No. 41.2 over Yalobusha River Relief on S.R.9.
09/13 - 12/16	S.R. 3 Bridge Hydraulic Design, Tate County, Mississippi. Mississippi Department of Transportation. Engineer. Responsibilities included generating preliminary bridge R.O.W. plans, geometric calculations and design calculations for two hydraulic bridge crossings. Michael Baker provided engineering services for the replacement of the S.R. 3 bridges over Strayhorn Creek and Arkabutla Creek. Michael Baker's services included bridge hydraulic analyses, scour analysis and evaluation, bridge scour and stream bank stabilization design, and conceptual and preliminary structural design.
05/12 - 12/14	S.R. 6 West Batesville Bypass Engineering Design, Panola County, Mississippi. Mississippi Department of Transportation. Engineer. Responsibilities included generation of engineering design calculations, bridge geometry, bridge quantities, and conceptual through preliminary bridge design contract plans for five bridges. Michael Baker provided engineering services for the design of the S.R. 6 West Batesville Bypass, a new six-mile, four-lane, controlled-access highway with two interchanges. Michael Baker's services included field surveying, bridge hydraulic and structural design, and right-of-way plans.
03/12 - 04/13	S.R. 178 Bridge Replacement Right-of-Way Plans, Itawamba County, Mississippi. Mississippi Department of Transportation. Engineer. Responsibilities included generation of engineering and geometric design calculations, and development of final right-of-way bridge plans for eight bridges and two box bridge extensions. Michael Baker developed final right-of-way plans for replacement of eight bridges, extension of two box bridges, removal of one box bridge, and addition of a stream relocation and a new box bridge under a relocated local road. The roadways, totaling approximately seven miles along S.R. 178 between Clay and the Alabama State Line, were upgraded either to new construction standards or to 3R standards, depending on the locations. The project was divided into five sites. Three sites required detour roads, and two sites were temporarily closed to traffic. Michael Baker also performed all hydraulic analyses at the bridges and box bridges.
04/07 - 03/10	Reunion Parkway over I-55 Interchange in Madison County, Mississippi. Madison County. Project Manager. Responsibilities included project management duties and generation of engineering design calculations, bridge geometry, bridge quantities, and conceptual through final design contract plans. This project includes bridge and retaining wall design, as well as surveying for a Single Point Urban Interchange (SPUI) located at the intersection of I-55 and Reunion Parkway in Madison County, MS. The bridge is a curved steel box girder design.
09/06 - 03/10	US 61 Intersection at Catherine Devereux Road, Adams County, Mississippi. Mississippi Department of Transportation. Project Manager. Responsibilities included project management duties and generation of engineering design calculations, bridge geometry, bridge quantities, and conceptual through final design contract plans. This project consisted of preparation of Right-of-way and Construction Plans to reconstruct the intersection of US 61 at Catherine Devereux Road in Adams County, Mississippi. Michael Baker shared in the duty of bridge and MSE retaining wall design with the prime, ABMB Engineers.

Firm em	ployed by	Michael Baker			
Name	Shalir	n Sheth, PE		Years of relevant experience with this employer	€ <1
Title	Bridge I	Engineer		Years of relevant experience with other employer(s)	Э 3
Degree(s	s) / Years	/ Specialization		M.S. / 2019 / Civil Engineering / University of Houston B.S. / 2016 / S.V National Institute of Technology / Sura	t, India
Active re	gistration	number / state / expiration d	late	PE.146736 / TX / 09/30/2023	
Year reg	istered	2022	Discipline	Civil	
Contract	role(s) / b	rief description of responsib	ilities	BRIDGE DESIGNER	
Mr. Shet manage and deta types, p bridge d	th will sei ment, for ailing brid erforming lecks, trai	ve as a structural/bridge a variety of projects. He ge widening plans, along v j field load testing of bridg ning junior engineers, and	designer. His has worked in with structural ges, computin d various admi	experience includes structural design bridge design, the structural forensics field as an intern, before wor designing of bridge components. His professional ex g bridge quantities and cost estimates, preparing brid nistrative tasks.	bridge load rating, bridge load testing, and project king as a bridge El. He has experience with drafting perience also includes load rating bridges of various tge rehabilitation plans, conducting GPR surveys of
Experien (mm/yy–	nce dates mm/yy)	Experience and qualification dates should cover the time	ons relevant to le specified in t	the proposed contract; <i>i.e.</i> , "designed drainage", "designed ne applicable MPR(s).	d girders", "designed intersection", etc. Experience
US 3/1: KCS Railroad Overpasses HBI, Webster Parish, Louisiana. Louisiana Department of Transportation and Development. Engineer Responsibilities include computation of engineering design calculations, determining structural feasibility of bridge geometry, structural design of all components, computation of bridge quantities, and plan production at various preliminary and final submittal stages/milestones. The project consists scale replacement of two railroad overpass bridges 3.7 miles apart on the same route of US 371, with three bridges. Michael Baker is providing transport and bridge engineering services for this project as a lead consultant, while subconsultants Ardaman and Associates, and Vectura Consulting Service providing geotechnical and traffic control services respectively				sibility of bridge geometry, structural design of all bridge submittal stages/milestones. The project consists of full- n three bridges. Michael Baker is providing transportation n and Associates, and Vectura Consulting Services, are	
07/19 ·	- 08/22	Macarthur Interchange (Development. Engineer I spreadsheets and Mathca computing bridge quantitie framing plans, pier cap det an on-ramp, along with re- comprehensive transporta	Completion Pl Intern. Responsed files for com es, girder riser tails, and deck r construction of tion and bridge	nase II at US90-Z Eastbound, Jefferson Parish, Louis sibilities included structural analysis and girder capacity puting development lengths and splice lengths, and deck elevations, riser thicknesses, deck elevations for the brid reinforcement plans in compliance with LADOTD standards both at different locations in addition to new construction structural engineering services.	siana. Louisiana Department of Transportation and verification of prestressed concrete girders, developing reinforcement design. Further responsibilities included dge, along with drafting CAD sheets in MicroStation for s. This project consisted of demolition of an off-ramp and to facilitate bridge widening. SDR Engineering providec
05/21 ·	- 08/21	Mermentau River Swing Engineer Intern. Responsi repair solutions for floorbe and railing repair plans ar services in the preliminary the fender system for the r	Span Truss E bilities included ams and string nd reviewing ov stage, and late movable bridge	Bridge Repairs at Grand Cheniere, Louisiana. Louisian preparing a structural rehabilitation solution to repair the ers using steel cover plates. Further responsibilities also in verall bridge repair quantities and the plan set. SDR Eng r prepared repair and rehabilitation plans and procedures span.	na Department of Transportation and Development. steel truss member with structural deficiency, along with ncluded drafting and redrawing the fender system plans ineering provided the bridge inspection and load rating for the entire superstructure and substructure along with
07/19 ·	- 02/21	Load Rating of 311 Brid rating 51 bridges of various channel bridges, reinforce analyzing the superstruct	ges, Louisiana s types such ha d concrete culv ure structural r	a. Louisiana Department of Transportation and Develous concrete slab bridges, reinforced concrete girder bridges erts, and timber beams/timber trestle bridges. For a typica nodel in AASHTOWare BrR, substructure structural model	ppment. Engineer Intern. Responsibilities included load s, prestressed girder bridges, prestressed and reinforced l bridge, the load rating process involved developing and del in RC Pier (now LEAP Bridge Concrete), and post

	processing the analysis results using Mathcad to effectively determine the load carrying capacity of the bridge (load rating factors) and accordingly recommending the posting load to LADOTD. This project's scope was initially the load rating of 311 bridges located across Louisiana, however later another 300+ bridges and culverts were added to the scope. SDR Engineering provided the load rating services for this project.
07/22 - 08/22	Load Rating of 176 Bridges, Louisiana. Louisiana Department of Transportation and Development. Engineer Intern. Responsibilities included performing load rating for a total of 43 culverts out of 176. The typical process mainly involved developing and analyzing the structural model for concrete box culverts in AASHTOWare BrR, and then preparing reports with load posting recommendations, if applicable. SDR Engineering provided the load rating services for this project.
07/22 - 08/22	Load Rating of 114 Bridges, Louisiana. Louisiana Department of Transportation and Development. Engineer Intern. Responsibilities included performing load rating for a historic steel beam bridge, and a prestressed concrete girder bridge. The typical load rating process involves modelling the superstructure and substructure in AASHTOWare BrR and LEAP Bridge Concrete respectively, along with compiling the load rating report. Further responsibilities included reviewing over 40 concrete slab bridges to be load rated by three junior engineer interns. SDR Engineering provided the load rating services for this project
08/20 - 09/20	Bridge Deck Investigation using Ground Penetrating Radar (GPR) system, Louisiana. Louisiana Department of Transportation and Development. Engineer Intern. Responsibilities included performing GPR investigation of bridge decks for 5 bridges across Louisiana using a vehicle mounted GPR setup provided by 3D-radar (now Kuntur), processing and analyzing scanned data, summarizing insights, and compiling reports regarding feasibility and usefulness of such an investigation. SDR Engineering provided the investigation services for this pilot GPR bridge deck evaluation project.

Firm employed by	Michael Baker			
Name Layto	n R. Breithaupt, PE		Years of relevant experience with this employer	● 5
Title Bridge I	Engineer		Years of relevant experience with other employer(s)	⇒ 5
Degree(s) / Years	/ Specialization		B.S. / 2018 / Civil Engineering / Jackson State University A.A. / 2014 / Drafting and Design / Hinds Community Co	/ illege
Active registration	number / state / expiration da	ate	PE.29138 / MS / 12/31/23	
Year registered	2022	Discipline	Civil	
Contract role(s) / b	prief description of responsibi	lities	BRIDGE DESIGNER	
Mr. Breithaupt's r DOT. Mr. Breithau LiDAR projects d	nain responsibility is to aic upt had internships that all uring the internships.	le in the desig owed him to h	In of bridges. He has experience in designing bridges ione in on drafting and design skills along with 3D mo	for Mississippi DOT, West Virginia DOT, and Georgia deling. He also had the opportunity to work on many d girders" "designed intersection" etc. Experience
(mm/yy–mm/yy)	dates should cover the time	e specified in t	ne applicable MPR(s).	
07/22 – Ongoing	Baldwin County River Ro including superstructure ar calculations and design co	ad. Baldwin (ad substructure mputation PDF	County Commission (AL). Civil Associate. Responsibilitie design, and checking of final bridge plans. Responsibilitie books.	es included the generation of bridge design calculations, s also included generation of load rating reports, quantity
08/22 - Ongoing	I-55 from Mississippi Highway 24 to U.S. 98 in McComb, McComb, Mississippi. Mississippi Department of Transportation. Civil Associate. Responsibilities included Phase C work which consisted of checking material orders and shop drawings. Michael Baker performed rehabilitation of I-55 from M.S. 24 to U.S. 98. Work included establishing leveled elevations for existing control while setting mobile LiDAR control along the roadway. LiDAR control points were set horizontally with RTK GPS then leveled through with a digital level. Survey operations were also required.			
05/19 - 07/19	I-79 Upgrade South Fairmont to Pleasant Valley Engineering Services, Marion County, West Virginia. West Virginia Department of Transportation, Division of Highways. Civil Associate. Responsibilities included the generation of bridge design calculations, including substructure design, and checking of final bridge plans. Responsibilities also included generation of quantity calculations and design computation PDF books. Michael Baker provided engineering and environmental services for the widening of I-79 to six lanes, from 0.38 miles south of U.S. 250 (exit 132) to 0.25 miles north of C.R. 64 (exit 135). This two-phased project provided the preparation of construction plans and related documents and included the necessary NEPA services to facilitate project construction.			
08/22 - Ongoing	MDOT ON-CALL SERVICES 2021. Mississippi Department of Transportation. Civil Associate. Responsibilities included the generation of bridge design calculations, including superstructure and substructure design, and checking of final bridge plans. Responsibilities also included generation of load rating reports, quantity calculations and design computation PDF books.			
08/18 - 12/22	Reunion Parkway Design Services Phase 3, Madison County, Mississippi. Madison County Board of Supervisors. Civil Associate. Responsibilities included the generation of bridge design calculations, including superstructure and substructure design, and checking of final bridge plans. Responsibilities also included generation of load rating reports, quantity calculations and design computation PDF books. Michael Baker provided design services for two bridge sites along Phase 3 of the Reunion Parkway in Madison County, Mississippi. The scope included developing Phase B Final Bridge Plans for an 880-foot-long bridge over Bear Creek and a 530-foot-long bridge over the Illinois Central Railroad.			
07/19 - Ongoing	U.S. 49 Florence to Scales Construction Engineering and Inspection, Rankin County, Mississippi. Confidential Client. Civil Associate. Responsible for QC of bridge quantities. Michael Baker provided engineering services, including field surveys, preliminary through final design, construction phase services, and public relations support, for the construction of U.S. 49 from Florence to the Scales Area. Working as an extension of client staff, Michael Baker			

Page 31 of 107 Prime consultant name: Michael Baker International, Inc.

	provided construction management, Phase C Design (RFI/submittals), utility coordination, scheduling review (Primavera P6), material testing, erosion control, surveying, traffic control, and public relations support, for the construction of U.S. 49 from Florence to the Scale Area.
08/18 – 04/20	Appalachian Corridor V Bridge Project, Itawamba County, Mississippi. Mississippi Department of Transportation. Civil Associate. Responsibilities included the generation of bridge design calculations, including superstructure and substructure design, and checking of final bridge plans. Responsibilities also included generation of load rating reports, quantity calculations and design computation PDF books. Michael Baker provided design and engineering services for bridge hydraulics, conceptual and final bridge construction plans, and construction engineering services for four twin hydraulic bridge crossings on the Appalachian Corridor "V" alignment (S.R. 76) from Fairview to S.R. 23.
04/22 - Ongoing	S.R. 9 Bridge Replacements, Calhoun County, Mississippi. Mississippi Department of Transportation. Civil Associate. Responsibilities included the generation of bridge design calculations, including superstructure and substructure design, and checking of final bridge plans. Responsibilities also included generation of load rating reports, quantity calculations and design computation PDF books. Michael Baker provided engineering and design services for final bridge construction plans for four bridge replacements: Bridge No. 35.5 over Shutispear Creek, Bridge No. 40.7 over Yalobusha River Relief, Bridge No. 40.9 over Yalobusha River, and Bridge No. 41.2 over Yalobusha River Relief on S.R.9
07/20 – 12/20	SR 601 Middle-Canal Road. Mississippi Department of Transportation. Civil Associate. Responsibilities included the generation of bridge design calculations, including superstructure and substructure design, and checking of final bridge plans. Responsibilities also included generation of load rating reports, quantity calculations and design computation PDF books.
08/18 – 12/20	2017 Roadway Design Services IDIQ Master Contract. Mississippi Department of Transportation. Civil Associate. Responsibilities included the generation of bridge design calculations, including superstructure and substructure design, and checking of final bridge plans. Responsibilities also included generation of load rating reports, quantity calculations and design computation PDF books.
03/22 - Ongoing	CHA CR486 Final. Georgia Department of Transportation. Civil Associate. Responsibilities included the generation of bridge design calculations, including superstructure and substructure design, and checking of final bridge plans. Responsibilities also included generation of load rating reports, quantity calculations and design computation PDF books.

Firm employed by Michael Baker					
Name	Christ	stopher Gesing, PE		Years of relevant experience with this employer	● 43
Title	NEPA F	roject Manager		Years of relevant experience with other employer(s)	
Degree(s	s) / Years ,	Specialization		MS / 1984 / Civil Engineering / Youngstown State Univer BS / 1980 / Civil Engineering / Youngstown State University	rsity sity
Active re	gistration	number / state / expiration da	ate	PE.0026996 / Louisiana / 03-31-2025	
Year reg	istered	1996	Discipline	Civil	
Contract	role(s) / b	rief description of responsibi	lities	ENVIRONMENTAL TECHNICAL ADVISOR	
Mr. Gesi with pro	ing will se jects that	rve as Environmental Tech require environmental cle	nical Advisor arance and p	for issued task orders that require environmental clear ermitting.	rance. Mr. Gesing has over 30 plus years' experience
Experien	nce dates	Experience and qualification	ns relevant to	the proposed contract; <i>i.e.</i> , "designed drainage", "designed	d girders", "designed intersection", etc. Experience
(mm/yy–	-mm/yy)	dates should cover the time	e specified in t	ne applicable MPR(s).	
04/22 - 0	Ongoing	LA 30: EBR PL – I-10, A	scension, Ibe	rville, and East Baton Rouge Parishes, Louisiana LA	DOTD - Mr. Gesing is currently serving as the Deputy
		Project Manager and Envir	ronmental Lea	for the NEPA study for the widening of LA 30. Project is	s currently in the Part 1 phase of the study to determine
		through Iberville and Asce	neion Parish	The study will determine how many additional lanes of	ecessary for LA 30 along this stratch with intersection
		improvements at Bayou Pa	aullane IA 7	4 I A 3115 I A 73 and I A 3251 Additional responsibiliti	ecessary for LA 50 along this stretch with intersection es for Mr. Gesing includes managing the environmental
		field services to collect the	necessary fiel	d data along with developing the FHWA Project Manageme	ent Plan.
08/02 -	- 12/06	736-99-1025: Stage 1 - Planning/Environmental Manual of Standard Practice, Statewide, LA LA DOTD - Mr. Gesing served as Project Manage			
		Author and Course Instruct	or. He develop	ed the LA DOTDs initial Manual of Standard Practice and t	training program and conducted several half-day training
		sessions. The Stage 1 Plar	ning/Environr	nental Manual of Standard Practice provides transportation	project managers guidance in advancing transportation
		Improvements projects through Stage 1 of the LA DOTD and EHWA Louisiana Division staff. The LA DOTD undeted the Manual in 2019			
07/11_0	Ongoing	Daker provided Several nan-day training sessions to LA DOTD and Envira Louisiana Division Stan. The LA DOTD updated the Manual In 2018. H 005168: New Orleans Rail Gateway Program Jefferson and Orleans Parishes LA LLA DOTD - Mr. Gesing is currently serving as Project Manualr			
07/11-0	ongoing	and Environmental Lead for	or \$638 millior	in improvements to the New Orleans Rail Gateway, the	fourth-largest freight rail gateway in the United States.
		Michael Baker's services in	nclude enviror	mental and engineering services, geographic information	system (GIS) development, mapping, rail and roadway
		travel demand modeling, alternatives analyses, rail and roadway conceptual design, cost estimates, document preparation, stakeholder and a			nates, document preparation, stakeholder and agency
		coordination including FRA, FHWA, LA DOTD, NORPC, six Class 1 railroads, Amtrak, NOPB, City of New Orleans, Jefferson Parish, the Port of New Orle			New Orleans, Jefferson Parish, the Port of New Orleans
		and federal/state resource agencies, ar		d extensive public and minority community outreach. A "	Program of Projects" throughout the Gateway is being
		advanced to improve rail/roadway operational performance and eliminate bottlenecks. Stage 1 studies are currently underway to close, consolidate and encode and the Warnersen Levisione and			udies are currently underway to close, consolidate and
08/02 -	- 12/06	I ouisiana 1 Improvement	s Alternative	s Analysis and Environmental Impact Statement FIS/R	OD Caddo Parish Louisiana DOTD Project Manager
00/02	12/00	and Environmental Lead for	r a \$1.3 billion	. 17-mile four-lane fully controlled access elevated highway	v on new location with bridges spanning navigable
	waterways. Michael Baker conducted the			route location, conceptual engineering, and environmental	I evaluation. The project area encompassed some of the
		most ecologically unique a	nd sensitive ar	eas in Louisiana, and perhaps the Nation, and traversing th	he area with a highway on new location presented major
		environmental challenges.	The project re	ceived national attention for its environmental stewardship a	and streamlining accomplishments and was the recipient
		of the 2004 AASHTO Pres	ident's Trans	portation Award for Environment.	

Page 33 of 107 Prime consultant name: Michael Baker International, Inc.

08/97 – 09/05	North-South Expressway, Location and Environmental Study, EIS/ROD, Caddo Parish, Louisiana. DOTD. Project Manager for a \$670 million, 35-mile four-lane fully controlled highway on new location between I-220 in Shreveport, Louisiana, and the Arkansas state line (now referred to I-49 North). The
	project included logical termini evaluation, interchange justification studies (IJS), Phase I Cultural Resources Assessment, wetland delineation and surface
	waters evaluations, Phase I Environmental Site Assessment (ESA), highway traffic noise studies, and air quality impact assessment.
01/11 – 12/11	700-94-0003; F.A.P. No. HPI-690-1(001): I-69 Section of Independent Utility No. 15 EIS/ROD, Louisiana (HPC 18 US 171 to I-20), Bossier, Caddo and
	DeSoto Parishes, LA LA DOTD - Mr. Gesing served as Project Manager and Environmental Lead for a Stage 1 study of a \$1.7 billion, 35-mile interstate
	facility on new location between U.S. Highway 171 (U.S. 171) near Stonewall in DeSoto Parish, and I-20 near Haughton in Bossier Parish. Michael Baker
	conducted a preliminary engineering and environmental study for I-69 Section of Independent Utility (SIU) 15 including conceptual Red River Bridge design
	and navigable waterway studies, interchange justification studies (IJS), Phase I Cultural Resources Assessment including probability modeling for
	archaeological resources and geoarchaeological study, wetland delineation and surface waters evaluations, Phase I Environmental Site Assessment (ESA),
	highway traffic noise studies, Endangered Species Act Section 7 consultation and Interior least tern (ILT) and Red-cockaded woodpecker (RCW) biological
	assessments.
05/08 – 05/11	700-08-0130: East-West Corridor Environmental Assessment, EA/FONSI, Bossier Parish, LA Northwest Louisiana Council of Governments
	(NLCOG) - Mr. Gesing served as Project Manager and Environmental Lead for a new location eight-mile, two-lane urban collector with right-of-way clearance
	for future widening to a five-lane facility when traffic conditions warrant. The purpose of the new \$56 million facility was to alleviate congestion and reduce
	travel delays along the other roadways that link the rapidly growing residential areas of Bossier Parish with the Shreveport and Bossier City employment
	centers. Michael Baker's services included traffic analyses including conducting traffic counts and forecasting traffic using NLCOG's TransCAD regional
	travel demand model (TDM); Phase I Cultural Resources Assessment including probability modeling for archaeological resources and geoarchaeological
	study; wetland delineation and surface waters evaluations; Phase I Environmental Site Assessment (ESA); and highway traffic noise studies.

Firm employed by	lichael Baker				
Name T. J. (1	(Thomas) Holliday, III, PWS		Years of relevant experience with this employer	⇒ 14	
Title Environn	nental Planning Manager		Years of relevant experience with other employer(s)	⊃ 11	
Degree(s) / Years /	Specialization		BS / 1998 / Civil Engineering / Delta State University		
Active registration r	number / state / expiration da	ate	License No.: 2447 / N/A / N/A		
Year registered	2014	Discipline	Professional Wetland Scientist		
Contract role(s) / br	ief description of responsibil	lities	ENVIRONMENTAL PROFESSIONAL		
Mr. Holliday will se	erve as Environmental Pro	fessional for	he environmental clearance and permitting of project	ts/task orders that require environmental services.	
Experience dates	Experience and qualificatio	ns relevant to	he proposed contract; <i>i.e.</i> , "designed drainage", "designed	d girders", "designed intersection", etc. Experience	
(mm/yy–mm/yy)	dates should cover the time	e specified in the	e applicable MPR(s).		
10/22 - Ongoing	H.015338 IIJA Off-Syster	n Bridges Pr	ogram – District 07, Louisiana DOTD. Environme	ental Professional Lead. Oversaw the research by the	
	environmental team for env	ironmental cor	straints that could serve as a roadblock for the replacement	nt of a bridge structure. The information gathered allowed	
	the engineers to make dec	cisions on which he fellowing: A	n bridges structures should move forward in design base	ed off these environmental constraints. The constraints	
	Coastal Zone T&F Specie	es Section 4	and 6(f) lands. Navigable Waterway, UST or Contam	ninated Sites Potential Mitigation Cost and Additional	
	Environmental Permits, Pi	roiect includes	five parishes in District 07 for the replacement of existing c	off-system bridges. DOTD broke the project into an Initial	
	Phase and a Final Design	Phase. Projec	priorities were part of the initial phase that started in Oct	tober 2022 and was finished and submitted in December	
	2022. District 07 was given \$30.3 million dollars with allocations for each parish				
08/22 - Ongoing	Barksdale AFB Entrance	e Roads, Bos	sier Parish, Louisiana NAVAC. Environmental Pro	ofessional Lead. Responsible for the procurement of	
	environmental permits for t	he new entran	e roads for Barksdale AFB. The project includes a new ro	oundabout at the Air Force Base gates along with new 4-	
	lane divided highway to tie into the new LA 1267 highway constructed by DOTD under the I-20/I-220 Design Build interchange improvements. Additional				
	responsibilities include coordination with the U.S. Army Corps of Engineers and Bossier Parish Engineering Department. The project was broken into two separate construction plans (Pough Grade and Final Design) and required additional coordination with DOTD and USACE. The new roundebout is designed				
	to be a multi-lane roundabout that accommodates the new LA 1267 spur of the I-20/220 interchange				
05/11 - Ongoing	New Orleans Rail Gateway Environmental Impact Statement, Jefferson and Orleans Parishes, Louisiana, LADOTD, Environmental Specialist.				
00	Conducted field studies and documented findings for wetlands and hazardous materials. Michael Baker is				
	providing environmental and engineering services to develop an environmental impact statement for the New Orleans Rail Gateway, the fourth-largest freight				
	and passenger rail gateway in the United States. Michael Baker's services include project management, review of previous studies, environmental resources				
	investigations, geographic information system development, mapping, rail and roadway travel demand modeling, alternatives analyses, rail and roadway				
01/10 Ongoing	conceptual design, cost es	timates, docum	ent preparation, stakenoider and agency coordination, an	a extensive public outreach.	
01/10 – Ongoing	Statewide Mississippi M	DOT Environ	and Other Waters Assessments and T/E Specie	studies and reporting. Under three consecutive three-year	
	contracts Michael Baker ha	as conducted li	sted species surveys and assessments of potential impacts	s to wetlands and other waters related to the replacement	
	of bridges and construction of other improvements along various roadways throughout the state. Services include data collection and analysis, site				
	investigations, wetland delineations, and report preparation.				

3/18 – 7/18	Jackson County Bridges Jackson County Road Department. Environmental Professional Lead. Michael Baker assisted the Jackson County Road Department with Section 404 permit coordination for multiple bridge replacement and roadway improvement projects within the County. The project included four sites located along Old Fort Bayou Road, Juniper Drive, and Solomon Road. Michael Baker's services included data collection and analysis for wetlands and other waters of the U.S. and threatened and endangered species. The projects required coordination with the Mobile District US Army Corps of Engineers (USACE), US Fish and Wildlife Service (USFWS), MS Department of Marine Resources (MDMR), MS Department of Environmental Quality (MDEQ), and the MS Department of Archives and History (MDAH).				
01/10 - 04-13	S.R. 16 from S.R. 15 to S.R. 19 Bridge Design, Neshoba County, Mississippi. Mississippi Department of Transportation. Environmental Specialist. Responsible for field surveys to identify wetlands and other waters of the U.S. and preparation of a jurisdictional findings report for 404 permitting process. Michael Baker provided engineering services for improvements to 10 miles of S.R. 16 from S.R. 15 to S.R. 19. Michael Baker's services included the Phase A preliminary bridge plans for eight bridges, including hydraulic design for three bridges and a railroad crossing bridge, and stream and wetland delineation.				
10/08 - 07/15	FM 521 Environmental Assessment, Texas. Texas Department of Transportation. Environmental Specialist. Responsible for completion of the EA document and preparation of the FONSI. Assisted with public involvement activities. Michael Baker performed an environmental assessment (EA) for the reconstructing and widening of FM 521, an existing two-lane rural undivided facility, to a four-lane divided urban arterial from Beltway 8 to FM 2234 (McHard Road). The project also includes improvements on FM 2234 at FM 521 and proposed grade separations at the Union Pacific Railroad (UPRR) crossings on both FM 2234 and FM 521. Michael Baker's services included wetlands delineation and permitting, public involvement, community impacts assessment, indirect and cumulative impacts assessments, and a Section 4(f) analysis.				
02/11 - 06/11	Wetlands Delineation for S.R. 7 and S.R. 8 Bridge Replacements, Marshall, Benton, and Calhoun Counties, Mississippi. Mississippi Department of Transportation. Environmental Specialist. Conducted wetland and other waters assessments for a bridge replacement and road improvements along S.R. 7 in Marshall and Benton Counties and S.R. 8 in Calhoun County. Prepared jurisdictional findings report for submittal to USACE for 404 permit evaluations. Michael Baker performed wetland assessments and delineations for the replacement of the bridges on S.R. 7 in Marshall and Benton counties and S.R. 8 in Calhoun County. Michael Baker's services included data collection and analysis, field investigations, wetland delineations and assessments, and report preparation.				
03/11 - 07/11	Wetland Delineations and Assessments for the S.R. 493, S.R. 19, and I-55 Interchange Bridge Replacements, Kemper, Lauderdale, and Madison Counties, Mississippi. Mississippi Department of Transportation. Environmental Specialist. Conducted field studies and prepared jurisdictional findings report. Michael Baker performed wetland assessments and delineations for the replacement of the bridges on S.R. 493 in Kemper County, S.R. 19 in Lauderdale County, and at the I-55 interchange in Madison County. Michael Baker's services included data collection and analysis, field investigations, wetland delineations and assessments, and report preparation.				
05/10 - 02/13	S.R. 607 Improvements from Texas Flat Road to I-59, Hancock and Pearl River Counties, Mississippi. Mississippi Department of Transportation. Environmental Specialist. Responsible for wetland and other waters of the U.S. delineation and reporting. Michael Baker provided engineering services for the widening of S.R. 607 to four lanes from Texas Flat Road to I-59, including the reconstruction of a bridge over Alligator Branch, the replacement of a bridge over Second Alligator Branch, and the replacement of a bridge over Indian Camp Creek.				
Firm employed by Michael Baker					
--------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	--
Name E	lizabeth Brock	Years of relevant experience with this employer			
Title Er	nvironmental Specialist	Years of relevant experience with other employer(s)	⇒ 5		
Degree(s) / Y	'ears / Specialization	BS / 2010 / Environmental Science / University of Mary V	Washington		
Active registr	ation number / state / expiration date	N/A			
Year register	ed N/A Discipline	N/A			
Contract role	(s) / brief description of responsibilities	ENVIRONMENTAL SPECIALIST			
Ms. Brock w	ill serve as Environmental Specialist for task	orders that require environmental clearance and perm	nitting.		
Experience d	ates Experience and qualifications relevant to	the proposed contract; <i>i.e.</i> , "designed drainage", "designed	d girders", "designed intersection", etc. Experience		
(mm/yy–mm/	yy) dates should cover the time specified in the	ne applicable MPR(s).			
08/22 - Ongo	22 - Ongoing Barksdale AFB Entrance Roads, Bossier Parish, Louisiana NAVAC. Environmental Scientist. Responsible for the procurement of environmental permits for the new entrance roads for Barksdale AFB. The project includes a new roundabout at the Air Force Base gates along with new 4-lane divide highway to tie into the new LA 1267 highway constructed by DOTD under the I-20/I-220 Design Build interchange improvements. Additional responsibilitie include coordination with the U.S. Army Corps of Engineers and Bossier Parish Engineering Department. The project was broken into two separat construction plans (Rough Grade and Final Design) and required additional coordination with DOTD and USACE. The new roundabout is designed to be multi-lane roundabout that accommodates the new LA 1267 spur of the I-20/220 interchange				
11/22 – Ongo	Ding Runway 31 Approach Obstruction and environmental services. Michael Baker pr in the form of a short form Environmental	Runway 31 Approach Obstruction and Acquisition, Hammond, Louisiana City of Hammond, LA. Environmental Scientist. Responsible for environmental services. Michael Baker provided professional services associated with the development and submittal of the necessary NEPA Documentation in the form of a short form Environmental Assessment for the Runway 31 Approach Obstruction Mitigation project at Hammond Northshore Regional Airport.			
11/21 – Ongo	J Heart of Georgia Taxiway A Rehabilitation Categorical Exclusion, Eastman, Georgia Heart of Georgia Regional Airport Authority. Environmental Scientist. Assisted with environmental services. Michael Baker provided engineering and environmental services for the rehabilitation of Taxiway A for Runway 02-20, which has a length of 6,500 feet and a width of 50 feet. Rehabilitation will include milling of the existing surface, crack/joint sealing, placement of new HMA surface, and pavement markings. Michael Baker conducted the technical studies necessary to prepare NEPA documentation, which included a review for wetland impacts.				
03/19 – 01/	21 Lemoyne Boulevard Erosion Control, assisting with environmental services. Mi control improvements to an existing ope drainage and erosion control study was to new erosion control measures to mitigation	Lemoyne Boulevard Erosion Control, St. Martin, Mississippi. Jackson County Board of Supervisors. Environmental Scientist. Responsible for assisting with environmental services. Michael Baker provided professional services associated with performing a detailed drainage study for new erosion control improvements to an existing open channel drainage way located north of Lemoyne Boulevard in the St. Martin Community. The purpose of the drainage and erosion control study was to provide recommendations to the stormwater drainage channel to address channel re-alignment and implement new erosion control measures to mitigation channel migration and sedimentation of channel banks and bottom.			
08/19 – 09/	19 Padgett Switch Road Resurfacing, Re Environmental Scientist. Assisted with er from Highway 90 to Half Mile Road. Mich and paving of the roads. The project was	Padgett Switch Road Resurfacing, Restoration, and Rehabilitation (RRR), Mobile County, Alabama. Mobile County Engineering Department. Environmental Scientist. Assisted with environmental services. Michael Baker provided engineering services for the rehabilitation of Padgett Switch Road from Highway 90 to Half Mile Road. Michael Baker's services include design, bidding-phase support, and construction services for grading, drainage, base, and paving of the roads. The project was funded by the 2016 Pay-As-You-Go funding program.			
03/19 – 06/	19 Saline and Caddo River Bridges Des Environmental Specialist. Responsible fo in Sevier, Pike, and Howard counties in Au and Highway 278 over the Saline River. studies and completed the environmental	ign Services, Pike, Howard, and Sevier Counties, <i>A</i> r environmental services. Michael Baker provided roadway kansas. Individual sites on the project include Highway 70 Michael Baker provided plans for the replacement of the b clearance documentation at all locations.	Arkansas. Arkansas Department of Transportation. y and bridge design for the replacement of three bridges over the Caddo River, Highway 70 over the Saline River, bridges and approaches and hydraulic and geotechnical		

04/19 – 08/19	Bush Lane and Carol Plantation Road Resurfacing, Restoration, and Rehabilitation, Mobile, Alabama. Mobile County Engineering Department. Environmental Scientist. Responsible for assisting with environmental services. Michael Baker is performing engineering services for a resurfacing, restoration, and rehabilitation project on Bush Lane and Carol Plantation Road. Michael Baker is developing reports, plans, and calculations to support 50%, 90%, and 100% design review submissions. Major items of work include preliminary and final design plans; safety audit; preliminary and final cost estimates; and construction administration.
10/19 – 11/19	S.R. 27 over Big Black River Replacement Project, Warren and Hinds Counties, Mississippi. Mississippi Department of Transportation. Environmental Scientist. Responsible for conducting environmental investigations necessary to prepare the Wetland Delineation in support of the proposed project to replace the existing bridge (Bridge # 117.9) over Big Black River along S.R. 27, in Hinds and Warren County, Mississippi. Michael Baker provided engineering services to assess potential impacts to wetlands and other waters resulting from the replacement of the bridge on S.R. 27 over Big Black River. For the project, Michael Baker reviewed the project plans for the bridge replacement site as well as aerial photography and other mapping of the project area. Michael Baker conducted field investigations in the project area to locate, identify, and delineate wetlands and waters of the United States in accordance with the USACE 1987 Wetland Delineation Manual and 2010 Regional Supplement guidance. It also mapped jurisdictional wetland areas and prepared technical reports.
09/19 – 11/19	S.R. 12 over Moccasin Creek Bridge Replacement Project, Lexington, Mississippi. Mississippi Department of Transportation. Environmental Scientist. Responsible for conducting environmental investigations necessary to prepare the Wetland Delineation in support of the proposed project to replace the existing bridge (Bridge # 69.2) over Moccasin Creek along S.R. 12 in the city of Lexington in Holmes County, Mississippi. Michael Baker provided engineering services to assess potential impacts to wetlands and other waters resulting from the replacement of a bridge over Moccasin Creek on S.R. 12. For the project, Michael Baker reviewed the project plans for the bridge replacement site as well as aerial photography and other mapping of the project area. Michael Baker conducted field investigations in the project area to locate, identify, and delineate wetlands and waters of the United States in accordance with the USACE 1987 Wetland Delineation Manual and 2010 Regional Supplement guidance. Additionally, Michael Baker provided wetland mapping and a technical report.
06/20 – 07/20	S.R. 8 Bridge Replacement Wetland Assessment, Sunflower County, Mississippi. Mississippi Department of Transportation. Environmental Scientist. Responsible for conducting environmental investigations necessary to prepare the Wetland Delineation in support of the proposed project in Sunflower County, Mississippi. Michael Baker provided engineering services to assess potential impacts to wetlands and other waters resulting from the replacement of a bridge over the Quiver River on S.R.8. Michael Baker reviewed the project plans for the bridge replacement site as well as aerial photography and other mapping of the project area. It then conducted a field investigation in the project area to locate, identify, and delineate wetlands and waters of the United States in accordance with the USACE 1987 Wetland Delineation Manual and 2010 Regional Supplement guidance. Michael Baker also performed wetlands mapping and provided a technical report.
07/20 – 08/20	S.R. 28 over Boles Creek Wetland Assessment, Jefferson County, Mississippi. Mississippi Department of Transportation. Environmental Scientist. Responsible for conducting environmental investigations necessary to prepare the Wetland Delineation in support of the proposed project in Jefferson County, Mississippi. Michael Baker provided engineering services to assess potential impacts to wetlands and other waters resulting from the replacement of bridges over an abandoned railroad and over Boles Creek on S.R. 28. Michael Baker compiled and analyzed preliminary information regarding the project sites, including color infrared aerial photography, soil surveys, design plans for the roadway, and other readily available information. It then a performed site investigation to delineate wetlands and other waters of the United States, completed data forms, and took representative photographs of identified resources.
08/20 – 11/20 01/22 – 02/22	S.R. 601 Canal Road Wetlands Assessment, Harrison County, Mississippi. Mississippi Department of Transportation. Environmental Scientist. Responsible for conducting environmental investigations necessary to prepare the Wetland Delineation in support of the proposed project in the City of Gulfport in Harrison County, Mississippi. Michael Baker provided engineering services to assess potential impacts to wetlands and other waters resulting from the construction of a new road to connect southern Gulfport to I-10. For the project, Michael Baker compiled and analyzed preliminary information regarding the project sites, including color infrared aerial photography, soil surveys, design plans for the roadway, and other readily available information. It then performed site investigations to delineate wetlands and other waters of the United States, completed data forms, and took representative photographs of identified resources.

Firm em	ployed by	Michael Baker				
Name	Steph	ephen Martin		Years of relevant experience with this employer	⇒ 2	(95)
Title	Environ	nvironmental Specialist Years of relevant experience with other employer(s)		Э 6		
Degree(s) / Years / Specialization			BS / 2013 / Environmental Biology / University of Southe	ern Mississippi	Ch.	
				AS / 2020 / Drafting and Design / Mississippi Gulf Coast	Community College	
Active registration number / state / expiration date			expiration date	N/A		
Year reg	Istered	N/A	Discipline	N/A		
Contract	role(s) / b	rief description of	t responsibilities	ENVIRONMENTAL SPECIALIST		
Mr. Mart	in will se	ve as Environm	ental Specialist for task	orders that require environmental clearance and pern	nitting.	
Experier	ice dates	Experience and	d qualifications relevant to	the proposed contract; <i>i.e.</i> , "designed drainage", "designe	d girders", "designed intersection", etc	. Experience
(mm/yy–	mm/yy)	dates should co	over the time specified in the	ne applicable MPR(s).		
10/22 - 0	Ongoing	Infrastructure	Investment and Jobs Ac	t (IIJA) Off-System Bridge Program – District 07 DO	ID. Environmental Associate. Revie	ewed the proposed
		project areas a	nd collected data for envi	conmental constraints that could serve as a roadblock for	the replacement of a bridge structure	e. The information
		The constraints	included but not limited to	the following: Archaeological Sites NRHP Pre-1971 La F	IRI 71-85 NRHP Tribal Lands Wetlan	ds Scenic Stream
		Levee Permit.	Coastal Zone, T&E Speci	es. Section 4(f) and 6(f) lands. Navigable Waterway. US	T or Contaminated Sites, Potential M	litigation Cost, and
		Additional Envi	ronmental Permits. Proje	ct includes five parishes in District 07 for the replacement	t of existing off-system bridges. DOTI	D broke the project
		into an Initial Pl	hase and a Final Design F	hase. Project priorities were part of the initial phase that	started in October 2022 and was finis	hed and submitted
		in December 20	022. District 07 was given	\$30.3 million dollars with allocations for each parish		
09/21 -	- 02/22	Bayou Boat La	aunch, Jackson County,	Mississippi. Jackson County Board of Supervisors.	Environmental Associate. Completed	wetland and other
		waters of the U	.S. delineation and report	ng, T/E Species survey and technical report, and an Envir	onmental Assessment (EA). Michael E	Baker provided
		environmental, Project element	design and engineering s	services for the improvement at Ft. Bayou Boat Launch i	ocated off washington Avenue in Jac	ckson County, IVIS.
		Raker provided	design permitting hid-ph	ase support and construction administration services	rovements, and new imger piers. For t	ne project, michael
09/21 -	- 09/22	Jackson Coun	ity Dredging, Jackson Co	ounty. Mississippi, Jackson County Board of Supervis	ors, Environmental Associate, Michae	el Baker performed
		design and eng	ineering services for main	tenance dredging of material from Dutch Bayou and Cathe	erine Roberts Bayou. The project was i	nitiated to promote
		safe access to	the waterways in Jackson	County and promote positive drainage in these areas. For	or the project, Michael Baker provided	design, permitting,
		bid-phase supp	oort, and construction adm	nistration services.		
10/21 -	- 06/22	Lemoyne Bou	levard EC (PH2), Jackso	n County, Mississippi. Jackson County Board of Sup	pervisors. Environmental Associate. C	Completed wetland
		and other water	rs of the U.S. delineation a	nd reporting for USACE Section 404 permit coordination a	nd T/E Species surveys and technical	reports for Section
		/ coordination	with the USEWS. Michae	Baker performed environmental, design and engineerin	g services for the development of dra	ainage and erosion
		County Mississ	sinents along an existing of	ainage way located horth of Lemoyne Boulevard in the Sa	and construction administration service	
02/22 -	- 06/22	Letort Lane D	rainage Jackson Count	v Mississioni Jackson County Board of Supervisor	s Environmental Associate Response	sible for regulatory
VLILL	UUILL	agency permit	coordination. Completed w	etland and other waters of the U.S. delineation and report	ting for USACE Section 404 permit co	ordination and T/E
		Species survey	s and technical reports for	Section 7 coordination with the USFWS. Michael Baker pe	erformed environmental, design and er	ngineering services
		for the develop	ment of drainage and eros	ion control improvements along an existing drainage way	located north of Lemoyne Boulevard i	n the Saint Martin
		Community loc	ated on the west side of	Jackson County, Mississippi. For the project, Michael Ba	ker provided design, permitting, bid-p	hase support, and
		construction ad	ministration services.			

11/21 – 03/22	I-59 & U.S. 11 Hattiesburg, Forrest County, Mississippi. Mississippi Department of Transportation. Environmental Associate. Responsible for high- level field reconnaissance to verify the presence and condition of five potential Hazardous Materials sites. Michael Baker provided environmental, design
	and engineering services for the improvements along I-59 at U.S. 11 interchange. A review was conducted to identify potential environmental concerns in
	the vicinity of the study area. Michael Baker provided design, permitting, bid-phase support, and construction administration services.
10/21 –03/22	S.R. 15 Tippah 101632, Forrest County, Mississippi. Mississippi Department of Transportation. Environmental Associate. Responsible for the completion of a wetland and other waters of the U.S. delineation and report and for Section 404 permit coordination with the USACE. Also completed a Threatened and Endangered Species survey and technical report and coordinated clearance with the USFWS. Michael Baker provided environmental, design and engineering services for the improvements along SR-15 beginning one mile north of S.R. 4 and extends northward to a point along existing S.R. 15. For the project, Michael Baker provided design, permitting, bid-phase support, and construction administration services.
09/21 – 11/21	Beachview Drive Widening (PH2), Jackson County, Mississippi. Jackson County Board of Supervisors. Environmental Associate. Responsible for the completion of a wetland and other waters of the U.S. delineation and report and for Section 404 permit coordination with the USACE. Michael Baker provided environmental, design and engineering services for the improvements along Beachview Drive between Blueberry Drive and Old Walnut Road located in the Gulf Park Estates community of Jackson County, MS. The project was initiated to provide a minimum 12-foot travel lanes for traffic and 5-foot sidewalks on each side of Beachview Drive. For the project, Michael Baker provided design, permitting, bidphase support, and construction administration services.

Firm employed by Michael Baker					
Name Mary F	lynn, PE		Years of relevant experience with this employer	⊃ 10	
Title Associate	Associate Vice President		Years of relevant experience with other employer(s)	⊃ 15	
Degree(s) / Years /	Specialization		B.S. / 1997 / Civil Engineering & Surveying		
Active registration n	umber / state / expirati	on date	PE.0036931 / Louisiana / 09-30-2024 ATSSA Traffic Control Supervisor, 12-13-2023 Traffic Control Flagger, 02-10-2024	E.0036931 / Louisiana / 09-30-2024 TSSA Traffic Control Supervisor, 12-13-2023 raffic Control Elagger, 02-10-2024	
Year registered	2012	Discipline	Civil		
Contract role(s) / bri	ief description of respo	nsibilities	CONSTRUCTION SERVICES SUPPORT		
Ms. Flynn is a loca experience provid orders) and staff a Experience dates	al Engineer who will ing CE&I/OV services ugmentation (2 task Experience and qualifi	serve as Pro s, including to prders). cations releva	ject Manager for the IDIQ and will serve as one of the last 8 years as PM and Project Engineer on 3 LA ant to the proposed contract; <i>i.e.</i> , "designed drainage", "	the Project Engineers on task order. She brings 25 years of ADOTD CE&I IDIQ contracts, including both full CE&I (8 task designed girders", "designed intersection", etc. Experience dates	
(mm/yy–mm/yy)	should cover the time	specified in th	e applicable MPR(s).		
03/20 - Ongoing	Manager/Project Engi developing the QA/QC expenses on each Ta Ms. Flynn is responsib under full-service Tas meetings with contract documentation, field ir and approve monthly utilizing LADOTD esta H.013271.6 Task Orc refreshing pavement rr H.013532.6: Task Orc pavement markings, or H.012473.6: Task Orc raised composite woo H.009308.6: Task Orc program, involving sa signalization and relat H.013082.6: Task Or replacing outdated an H.013082.6: Task Orc	Plan for the l sk Order, and le for contract k Orders (TC tor, LADOTD spection audi and final esti blished forms ler 1: Tangip narkings, and ler 2: Denhan losure of two der 3: Marcor d boardwalk, s der 4: New O fety upgrades ed work. Estir der 5: Local d damaged gu der 6: Bootle PVC pipe, ba	In the IDIQ, Ms. Flynn was responsible for providing journame of the IDIQ, Ms. Flynn was responsible for providing journame of the IDIQ, review of engineering drawings and estimates on a reviewing contract scope from the Project Manager for administration/project management, construction engine of the IDIQ is include project and utility coordination, reviewing and Entity Responsible Charge, development of TO s to fwork and traffic control, equipping inspection staff ar mates, developing As-Built plans, developing Change , disseminating press releases, and performing any other ahoa PH Local Road Safety Upgrade, Tangipahoa installation of solar powered flashing beacons, on varion Springs Rd Signing & Striping, Livingston Parish, L (2) boulevard median turn areas, and related work on varion Springs Rd Signing & Striping, Livingston Parish, L (2) boulevard median turn areas, and related work on varion Springs Rd Signing & Striping, Livingston Parish, L (2) boulevard median turn areas, and related work on varion Springs Rd Signing & Striping, Livingston Parish, L (2) boulevard median turn areas, and related work on varion Springs Rd Signage within New Orleans City Park. Sub Prelans DPW SRTS Sidewalk Project, Orleans Parish area. Componented Completion 09/2022. Road Safety Upgrades (W. Feliciana), West Felici uardrail, signage and striping on 10 routes within the pare agger Road Sidewalk Project, St. Tammany Parish, ckfill and sidewalks with ADA compliant ramps. Project	 Projects (CE&I) District 61, 62, and 02. LADOTD. Project ob classifications for LADOTD's Specific Rates of Compensation, Falcon for developing consultant fee estimate for labor and direct r each Task Order prior to sending to CCS. As Project Engineer, eering, and managing inspection staff for all construction activities ew contractors schedule, manage preconstruction and periodic sampling plan as needed, verifying accuracy of field records and propriately for testing and documentation per needs of TO, verify Order for LADOTD approval, manage RFI and claims process er engineering function as requested by the AE. Parish, Louisiana. The project consists of upgrading signage, pus local roads in Tangipahoa Parish. Substantially complete. Louisiana. The project complete. the project consisted of, installing a 10' wide shared-use path and ustantially complete. the project consisted of, installing a 10' wide shared-use path and ustantially complete. the project consisted of upgrading signage, traffic intra Parish, Louisiana. The project is part of the "Safe Routes to School" ents include shared-use path, sidewalks, ADA crossings, traffic is not project. the project consisted of upgrading open ditch in a is complete. 	
	was responsible for a	providing job	classifications for LADOTD's Specific Rates of Comp	pensation, developing the QA/QC Plan for the IDIQ, review of	

	engineering drawings and estimates on Falcon for developing consultant fee estimate for labor and direct expenses on each Task Order, and reviewing contract scope from the Project Manager for each Task Order prior to sending to CCS.
	H.010916.6 Task Order 1: Prien Lake Re-Deck & Safety Improvements, Calcasieu Parish, LA. LADOTD. Project Manager. As part of a Staff Augmentation Services task order, Ms. Flynn was the Project Manager for this re-decking project. Her responsibilities were to provide the LADOTD with certified inspection staff and qualified office management staff to successfully complete the project. Maintained regular communication with the LADOTD Project Engineer to make sure his needs were met. Task order complete
	H.012018 Task Order 2: Adaptive Traffic Signal Design and Implementation, Lafayette Parish, LA. LADOTD. Project Manager / Project Engineer. As part of a full services CE&I task order, Ms. Flynn was responsible for Project Management and Project Engineering for this ITS Project. Ms. Flynn is responsible for contract administration/project management, construction engineering, and managing inspection staff for all construction activity. Duties include project, utility and local Entity coordination, providing contractor with NTP, manage preconstruction and periodic meetings, development of TO sampling plan, verifying inspectors maintain accurate field records and material documentation within SiteManager, equipping inspection staff appropriately for testing and documentation per needs of TO, verify and approve monthly and final estimate, developing As-Built plans, developing and circulating Change Orders, manage the RFI process utilizing LADOTD established forms, disseminating press releases as needed, verifying traffic control plans are according to MUTCD, and performing any other engineering function as requested by the Area Engineer (AE). Anticipated field work complete 09/2022.
	H.003184.6 Task Order 3: I-10: Texas State Line – E. of Coone Gully, Calcasieu Parish, LA. LADOTD . Michael Baker Project Manager. As part of a Staff Augmentation Services task order, Ms. Flynn was the MBI Project Manager for this interstate widening project. Her responsibilities were to provide the LADOTD with certified inspection staff for structures, drainage installation, PCC Paving, and electrical work to successfully complete the project. She maintains regular communication with the LADOTD PM and Project Engineer to make sure project needs are met. Anticipate TO completion 03/2024.
03/13 – 06/18	IDIQ Retainer Contract for Design-Build Support Services, Statewide, Louisiana. LADOTD. Task Order 1: Statewide Construction Quality Assurance Plan (CQAP), Statewide, Louisiana. LADOTD. Project Manager. Task order was to develop a CQAP for statewide use on Design-Build Projects. Ms. Flynn was responsible for drafting the Plan, meeting with FHWA, LADOTD and other stakeholders to review and obtain comments, meet with TxDOT staff to discuss their QAP recommendations, and modify document until accepted by FHWA. Task Order 2: CQAP Sharepoint Database, LADOTD. Project Manager. Task involved providing a Design-Build CQAP Database Development relative to the US 90 Design Build Project that ran statistical analysis' on specified materials.
	H.010620.6 Task Order 3: US 90 (I-49 South), Albertson's Parkway to Ambassador Caffery, Design-Build Owner Verification, Lafayette Parish, LA. LADOTD. Owner Verification Manager/Project Engineer. Responsible for contract administration/project management, construction engineering, and managing quality inspection and materials sampling and testing for all phases of construction, verification of activities and testing per CQMP, including new structure construction (AASHTO girder and steel plate girder), existing structure replacement/widening, fabrication of precast girders and MSE wall panels, MSE wall installation utilizing both straps and geogrid, full depth asphalt roadway, embankment and base course. She was also responsible for statistically validating test data according to the CQAP and tracking of Michael Baker inspection and testing within the LADOTD's SharePoint Database for design-build projects, reviewing and responding to RFI's and NCR's, reviewing plans and shop drawings, verifying test data for material acceptance,
01/12 – 01/13	H.003046: I-10 Widening, Siegen to Highland, Design-Build OV, Baton Rouge, LA. LADOTD. As Assistant Project Engineer/Assistant Project Manager. On this full-service CE&I task order, Ms. Flynn was responsible for contract administration, construction engineering, review of shop drawings and as-built plans, and supervision of inspection and materials sampling and testing for all phases of construction. Ms. Flynn verified inspector daily entries in SiteManager were accurate, thorough, and up to date.

Vectura Consulting Services, LLC Resumes

Page 43 of 107 Prime consultant name; Michael Baker International, Inc.

Firm em	Firm employed by Vectura Consulting Services, LLC				
Name	Sheel	agh Brin Ferlito, PE, PTOE	Years of relevant experience with this employer		
Title	Principa	l	Years of relevant experience with other employer(s)	⇒ 27	
Degree(s	s) / Years	Specialization	BS / 1988 / Civil Engineering		
Active re	gistration	number / state / expiration date	PE.0025383 / LA 09-30-2023		
Year reg	istered	1993 Discipline	Civil		
Contract	role(s) / b	rief description of responsibilities	TRAFFIC CONTROL DESIGN, TRAFFIC SIGNAL A	NALYSIS AND DESIGN, TMPs, PEER REVIEWS	
Ms. Ferl	ito will se	rve as QA/QC reviewer for traffic signal	plans, traffic control design and for Traffic Managemen	t Plans. She brings 34 years experience in traffic	
enginee	ring to th	e team.			
Experien	ice dates	Experience and qualifications relevant to	the proposed contract; <i>i.e.</i> , "designed drainage", "designed	girders", "designed intersection", etc. Experience dates	
(mm/yy–	mm/yy)	should cover the time specified in the ap	blicable MPR(s).		
07/21 -	Current	H.007160 - EBR Computerized Traffic S	ignal, Phase VB (Baton Rouge, Louisiana) Brin is the Tasl	k Leaders for Vectura for the Construction Engineering	
		and inspection of 24 traffic signals. Bri	1 oversaw the review of signal mast arm shop drawings to b the DOTD. City Parish and the Contractor conducted field	assist the City-Parish of Baton Rouge in accepting the	
07/19 -	Current	MOVEBR New Capacity Projects Prog	ram Management (Baton Rouge I A) Brin is the lead traffi	c engineer for entire the New Canacity Projects program	
01/10	ounon	management team. All traffic engineering	scope of services, traffic / speed data collection, traffic desi	an studies, safety studies, and traffic signal design plans	
		are reviewed by Brin. She is in constant of	ommunication with the Traffic Engineering staff of DOTD an	d EBR Traffic Engineering Department. She understands	
		the current requirements for all aspects of	f traffic engineering projects.		
07/19 -	Current	H.004791 DOTD Belle Chasse Bridge	& Tunnel Replacement PPP (Belle Chasse, LA) Brin is t	he Project Manager for the temporary and permanent	
		traffic signal plans for the intersections	of LA 23 at Burmaster St and at Engineers Rd. She based	her traffic signal plans on design year volumes that were	
		Partnership performed by Louisiana DO	The coordinated the detour plans based on the sequence	and model. This project is the list ever Public-Private-	
		Management Plan (TMP).			
09/20 -	- 12/21	H.010960.5 LA 30 Roundabouts at Tar	ger I-10 (Ascension Parish) Brin is the Project Manager for	or the design of temporary traffic signal plans that will be	
		implemented during the roundabout cor	struction along LA 30 in Gonzales, LA. The project involv	es replacing three existing signalized intersections with	
		multilane roundabouts along LA 30 at I-	0 Interchange ramps and at the Tanger Boulevard. Vectura	a also developed signal timing plans for each phase of	
00/00	44/04	the construction to maintain progression	along LA 30.	the Transferrer Management Disc (TMD)	
02/20 -	- 11/21	H.010616 DOTD I:20 LA 544 Overpass	three roundabouts in Puston I A. The TMP was a Level 2	and included evaluation of 10 Sequence of Construction	
		Phases Detours included reputing traffi	to other interchanges at highttime only reputing traffic from	m I-20 to the off ramp and on ramp at nighttime only and	
		rerouting traffic to service roads in vicinit	y of the project. Brin coordinated the queue analysis with D	OTD to determine when lane closures would be allowed	
		utilizing 24-hour tube counts. She will also	o coordinate the development of temporary traffic signal pla	ns for this project as well.	
07/18 -	- 04/19	LA 1 Pedestrian Crosswalk Study and	Traffic / Pedestrian Signal Design West Baton Rouge Pa	rish, Addis, LA Brin developed a Pedestrian Crosswalk	
		Study and Traffic Signal Construction	Plans for the intersection of LA 1 at LA 990 in Addis, LA. Th	e study was based on DOTD Traffic Engineering Manual	
		Crosswalk Guidelines followed by traffic	signal design plans based on DOTD requirements. The stud	dy included traffic and pedestrian traffic data collection, a	
		speed study, crash analyses, intersection calculations crosswalk strining signs D	analyses and progression analyses. The signal plans includ CTD nav items, estimated quantities, and construction cost	Received and signal equipment, signal liming parameter Brin also assisted with the Parish with the DOTD Permit	
		Request for Intersection Control Devices	on a State Right of Way.		
			· · · · · · · · · · · · · · · · · · ·		

Page 44 of 107 Prime consultant name: Michael Baker International, Inc.

09/17 – 04/18	US 11 at US 190 Bus. (Fremaux Ave.) Pedestrian Crosswalk Study and Traffic / Pedestrian Signal Equipment Design Slidell, LA Brin developed a formal traffic study for a proposed crosswalk with pedestrian traffic signal equipment and pedestrian clearance timings based on DOTD requirements. Brin assisted with vehicle and pedestrian data collection, analyzed 3-year intersection crash data and developed signal timing for pedestrians to cross the street. From the design study, a set of Traffic Signal Modification Plans were developed to implement the recommended alternative.
04/14 – 12/14	H.002301 Signal Design for N. Sherwood Forest Dr. Widening Project (Baton Rouge, LA) As the Project Engineer, Brin designed three signalized intersections as part of a road widening project as per EBR DPW and DOTD requirements. Ms. Ferlito developed the traffic signal equipment, signal timing and communication construction plans, special provision specifications, quantities, and cost estimate. She also performed tasks to develop the striping plans and sequence of construction plans which included temporary signal equipment placement due to lane shifts during construction.
07/12 – 03/14	EBR 03-TS-CI-0026 CE&I for EBR Traffic Signal Systems Jefferson Highway Construction (Baton Rouge, LA) Brin was the Project Resident Engineer on behalf of EBR for performing CE&I services for the construction of 11 traffic signals. She maintained records of the contractor's daily operations, coordinated significant events that affected construction progress including utility issues, reviewed shop drawings, conducted monthly progress meetings, recorded daily installed quantities, developed change orders and monthly contractor pay estimates. She also coordinated with DOTD ITS division for fiber splicing into interstate I-12 fiber backbone and ATM/EOC building. She processed all monthly tasks in EBR formats as well as well as all items on the EBR project closeout checklist.
07/08 – 09/09	SPN 013-05-0043 CE&I for EBR Traffic Signal Systems Phase IV Construction (Baton Rouge, LA) Brin was the Project Resident Engineer for DOTD and EBR to perform CE&I services for the construction of 21 traffic signals. She developed the project Sample Plan, maintained records of the contractor's daily operations, coordinated significant events that affected construction progress including utility issues, reviewed shop drawings, conducted monthly progress meetings, recorded daily installed quantities, coordinated concrete sampling for DOTD Materials Lab, developed change orders and monthly contractor pay estimates. She also coordinated with DOTD ITS division for fiber splicing into Airline Highway fiber backbone and ATM / EOC building. She processed all monthly tasks electronically in DOTD Site Manager and in EBR required formats as well as all items on the DOTD Project Closeout Checklist including the 2059 Report.
09/13 – 04/14	S.P. 700-99-0477 Jefferson Hwy. Signal Design (Baton Rouge, LA) Ms. Ferlito designed traffic signal plans for 11 intersections along Jefferson Highway between College Drive and the I-12 On Ramp in Baton Rouge. Design included traffic signal layout, fiber interconnect layout, fiber splicing diagrams, pedestrian crosswalk layout, and sign layout. Design also included traffic signal synchronization signal timing and pedestrian signal timing. She prepared estimated quantities, preliminary and final signal construction plans and specifications.
03/05 – 11/05	Airline Hwy Widening SPN 700-99-0332 (Baton Rouge, LA) Brin designed 8 traffic signals as part of the Airline Hwy. widening project in Baton Rouge. Her design included traffic signal equipment, signal synchronization timing, fiber communication, storage length calculations based on queues analyses, special provision specifications, quantities, and cost estimate. This project included fiber design to be the first Baton Rouge project to connect video surveillance images and traffic controller information to the ATM / EOC.
02/03 – 01/04	EBR Traffic Signal Systems Phases IV and V SPN 700-17-0172 (Baton Rouge, LA) Brin was the Project Engineer for the design of 66 signalized intersections on eight arterials in Baton Rouge which included traffic signal equipment, pedestrian crosswalk equipment, emergency vehicle and railroad preemption equipment, fiber interconnect equipment as well as traffic signal synchronization. Brin prepared traffic signal construction plans, estimated quantities, and specifications.

Firm emp	Firm employed by Vectura Consulting Services, LLC					
Name	Laure PTOE	nce Lucius Lambert, II, PE, , PTP		Years of relevant experience with this employer	€ 7	
Title	Supervis	sor		Years of relevant experience with other employer(s)	➡ 18	
Degree(s) / Years /	Specialization		BS / 1997 / Civil Engineering MS / 2006 / Civil Engineering (Transportation focus) MBA / 2010	1	
Active reg	gistration	number / state / expiration date		PE.0029901 / LA / 03-31-2024		
Year regi	stered	2002 Disciplin	e	Civil		
Contract	role(s) / b	rief description of responsibilities		TRAFFIC CONTROL DESIGN, TRAFFIC SIGNAL AN	ALYSIS AND DESIGN, TMP	's, PEER REVIEWS
Mr. Laml	bert will s	erve as supervisory engineer overs	eeing tl	ne development of Traffic Management Plans along v	vith traffic signal plans, tra	ffic control, and signing
and strip	oing plans).				
Experien	ce dates	Experience and qualifications releva	nt to the	proposed contract; i.e., "designed drainage", "designed g	girders", "designed intersection	on", etc. Experience dates
(mm/yy–r	mm/yy)	should cover the time specified in the	e applica	ble MPR(s).		
06/21 –	02/22	H.013267 Capital Area Pathways	Project	(Baton Rouge, LA) Laurence was Project Manager for	a traffic study to evaluate tr	ail crossings at three state
		routes that required DOID approval	. The tra	affic study included traffic data collection, safety analys	is, existing conditions analys	is and alternative analysis.
02/21 _	03/21	H 013256 5 L10 ITS Scott to Lake	jineennų barlos	(Southwest Louisiana) Laurence was the Load Traffic F	Engineer for a Level 2 Traffic	Management Plan (TMP)
02/21-	05/21	for the construction of ITS equipmer	t along	-10 The plan included a safety strategy that included a	CAT Scan LOS determination	on utilizing Citrix data lane
		closure recommendations based on	a queue	analysis and public information strategies.		
04/18 -	12/21	H.010960.5 LA 30 Roundabouts at	Tanger	& I-10 Gonzales (Ascension, LA) Laurence provided a	Quality Control review of the	e temporary construction
		and sequence of construction pla	ns. Vect	ura also provided Quality Control review of signing and	striping plans at 30% and 6	0% plan sets to ensure the
	10/01	roundabouts conformed to the Pav	ement M	arkings Details Sheet PM-09 and the MUTCD details on	roundabouts.	
04/18 –	12/21	H.011909.5-4 Roundabout: US 17	1 at Bo	one St. (Vernon Parish) Laurence provided a Quality	y Control review of the tem	porary construction and
		sequence of construction plans.	vectura mont Ma	also provided Quality Control review of signing and st arkings Details Sheet PM-09 and the Manual on Uniform T	riping plans at 30% and 60 Traffic Control Devices (MUTC	⁷ % plan sets to ensure the CD) details on roundabouts
02/20 -	. 09/21	College Drive Corridor Enhancen	ent fro	m Perkins Road to I-10 (Baton Rouge, IA) Laurence	was the Project Manager to	develop Chapter 1 (Data
02/20	00/21	Collection), Appendix A (Initial Data	Collectio	n), and Appendix B (Final Data Collection) for proposed	improvements College Drive.	Since the I-10 interchange
		was included in the study, approva	from D	ÓTD was required. After the 7-day, 24-hour counts we	ere collected in March of 202	20, DOTD stopped all data
		collection due to the impacts of COV	ID-19. A	fter a pause of a year, Vectura closely worked with the C	City of Baton Rouge and DOT	D to provide sufficient data
		that traffic patterns were returning to	pre-CO	/ID conditions and allowed PM peak hour data to be colle	ected. Vectura collected, turni	ing movement counts, 85%
40/47	40/40	speed data, travel time runs, queue	neasure	ments, field observations, verification of Traffic Signal Invitidate Planning Study (Lefount to LA) Leuropeau was the	ventories, and bicycle / pedes	strian / transit observations.
10/17 -	10/18	for LA 182. The scope focused on in	ue) Cor	safety and mobility for pedestrian bicycle and transit u	sers I aurence collected AM	& PM neak vehicle turning
		movement counts as well as pedes	rian and	bicycle counts. Laurence coordinated with the Acadian	a Planning Commission to d	levelop growth rates and
		design year volumes. Laurence the	n perfor	med Highway Capacity Manual analysis for 5 intersection	ns along the intersection anal	lyses for the signalized and
		roundabout controlled alternatives. I	ncluded	in the study was a safety analyses of five intersections	and the intermediate segmer	nts. Based on the results of
		the satety analysis, Laurence provid	ed desig	n criteria to the design team for improving safety of pede	strians, bicycles, and vehicle	\$.

09/16 – 04/17	H.004957.5 I-12 To Bush - LA 3241 (I-12 – LA 36) Corridor Study (St. Tammany Parish, LA) Laurence was the Lead Traffic Engineer for a DOTD traffic study for the new LA 3241 alignment with the purpose of obtaining both existing and projected future traffic variables in accordance with standard operating procedures typically performed in these types of analyses. Laurence worked closely with the NORPC and District 62 to develop design year volumes using data the TransCAD model. The traffic study examined concepts that improved the safety and efficiency of the roadway consistent with the latest DOTD policies related to access management. Laurence, along with Brin, collected 7-day, 24-hour counts w/ classification on mainlines, turning movement counts for morning and evening peak periods and speed data for mainlines. Laurence also developed a VISSIM traffic simulation model of the preferred alternative
07/16 – 01/17	Federal Highway Administration Intersection & Interchange Geometrics (IIG): Innovative Design Considerations for All Users. At the request of the FHWA division office for Virginia, Laurence was asked to review a set of design plans for a Displaced Left Turn (DLT) in Norfolk, VA. The plans were part of a design-build project that included widening a corridor, modifications to an interchange and the implementation of a DLT. Vectura specifically reviewed and commented on the intersection geometry, pavement markings and signage. The findings were summarized in a technical memorandum as well as "red line" comments were scanned and submitted to the FHWA Virginia Division office for their use.
04/11 – 09/11	SPN 424-04-0032 US 90 at Louisiana 85 Design-Build Maintenance of Traffic Plan (Iberia Parish, LA) Lead Traffic Engineer. Laurence developed a Maintenance of Traffic plan that accommodated the bridge and road widening, but also maintain passage of large trucks and freight through the heavily travelled corridor crucial for agricultural goods and farming. Laurence was the Lead Traffic Engineer for one of the first design-build projects undertaken by DOTD, which included the construction of a grade separated, diamond interchange to replace the existing US 90 intersections with Louisiana 85 in Iberia Parish to upgrade this future I-49 corridor to interstate standards.
06/10 – 10/10	SPN 454-02-0071 I-12 Widening Design-Build Amite River Bridge to Juban Road Maintenance of Traffic Plan (Livingston Parish, LA) Laurence was responsible for designing a Maintenance of Traffic plan that would keep drivers informed of real time traffic situations through a comprehensive traffic management system. Four lanes (two lanes in each direction) were to remain open during peak travel times throughout the length of the project. Temporary lane closures only occurred at night.
09/06 – 09/07	EBR 06-CS-HC-00012 Downtown Baton Rouge Signal Project (Baton Rouge) Laurence was the Project Manager to develop construction plans to upgrade 29 signals in downtown Baton Rouge as part of the EBR Green Light Plan. He coordinated numerous utility conflicts during construction since current utility plans were not readily available in an old part of town. He made several signal pole foundation location adjustments based on numerous field visits with utility companies.

Firm emp	Firm employed by Vectura Consulting Services, LLC				
Name	Reece	Rodrigue, PE, PTOE	Years of relevant experience with this employer		
Title	Project	Traffic Engineer	Years of relevant experience with other employer(s)	7	
Degree(s) / Years	/ Specialization	B.S. / 2013 / Civil Engineering		
Active reg	gistration	number / state / expiration date	PE.0042074 / LA / 03-31-2024		
Year regi	stered	2017 Discipline	Civil		
Contract	role(s) / b	rief description of responsibilities	PROJECT ENGINEER for TRAFFIC CONTROL DESI TMPs, PEER REVIEWS	GN, TRAFFIC SIGNAL ANALYSIS AND DESIGN,	
Mr. Rodr	igue will	serve as a project engineer for the develop	ment of traffic signal plans, development of traffic co	ontrol plans and traffic management plans.	
Experience (mm/yy–r	ce dates mm/yy)	Experience and qualifications relevant to the should cover the time specified in the application of the specified in the specified specified in the specified	proposed contract; <i>i.e.</i> , "designed drainage", "designed gable MPR(s).	girders", "designed intersection", etc. Experience dates	
04/21 - O	ngoing	MOVEBR Direct Select for Traffic Signal D This projected included a traffic design repo splicing diagrams, pedestrian crosswalk laye timing.	Design, Baton Rouge, LA Reece is a project engineer for rt, preliminary and final plans for traffic signals that inclu- but, and sign layout. The design also included traffic sig	the design of traffic signal upgrades at 10 intersections. Ided traffic signal layout, fiber interconnect layout, fiber nal synchronization signal timing and pedestrian signal	
07/21 - O	Ongoing	H.007160 - EBR Computerized Traffic Si Inspection. Reece has reviewed the signal with the DOTD, City-Parish and the Contract	gnal, Phase VB (Baton Rouge) Reece is part of the mast arm shop drawings to assist the City-Parish of Bat or conducted field visits to confirm pole foundation location	team responsible for Construction Engineering and on Rouge in accepting the manufactured poles. Reece, ons.	
01/21 –	05/21	H.013256 - I-10 ITS Scott to Lake Charles tasked with reviewing the ITS plans for 15 construction quantities and producing a cost	(Lafayette, Acadia, and Jefferson Davis Parishes) Re sites along I-10 where CCTV cameras were being insta estimate for said quantities by using DOTD's Bid Tabula	ece was a member of the subconsultant team who was lled. Reece was responsible for measuring anticipated ation and Cost Estimating Tool.	
09/20 –	12/21	H.011909.5-4 Roundabout: US 171 at Boon design associated with the sequence of con existing allowable movements and identified typical traffic patterns.	ne St. (Vernon Parish) Reece was a Project Engineer, when struction for the roundabout at US 171 at Boone St. He the movements that would be restricted during the properties of the properties	no participated in the production of the temporary signal conducted a thorough analysis of the US 171 corridor's osed construction process and how it would impact the	
09/20 –	12/21	H.010960.5 LA 30 Roundabouts at Tanger design associated with the sequence of co phases. He assisted in calculating the temp calculating clearance intervals. Reece condu would be restricted during the proposed cons	I-10 (Ascension Parish) Reece was a Project Engineer instruction for the roundabouts on LA 30 in Gonzales, I orary pole heights, determining the placement location f icted a thorough analysis of the LA 30 corridor's existing a struction process and how it would impact the typical traffic	, who assisted in the production of the temporary signal _A. This project consists of eight proposed construction or the temporary poles for each phase, measuring and allowable movements and identified the movements that fic patterns.	
04/20 - 0	Current	H.004791 DOTD Belle Chasse Bridge & T designed the temporary traffic signal for the per the anticipated sequence of construction Vehicle clearance interval calculations were traffic impact analysis portion of the Traffic M was also responsible for the production of per bar locations, calculated vehicle, and pedes	unnel Replacement Public-Private Partnership Project in intersection of LA 23 at Engineers Rd. The design of the n. Temporary pole location and heights were recommen conducted for each phase in accordance with DOTD an lanagement Plan, which were also used in planning for the rmanent signal plans for the LA 23 intersections at Engine trian clearance intervals, designed the railroad preempti	ct (Belle Chasse) Reece is the Project Engineer who temporary signals is set for eight phases of construction nded for placement for use for all construction phases. d ITE guidance. Reece is responsible for producing the ne permanent and temporary signal timing plans. Reece eers Road and at Burmaster Street. He evaluated STOP on sequence for both at-grade crossings, designed the	

	wiring layout, and developed the interconnect plan. Reece maintains correspondence with the fellow design engineering team for product consistency. In addition, Reece was responsible for reviewing and approving shop drawings that were submitted by the contractor for use in construction.
04/21 - Ongoing	MOVEBR Direct Select for Traffic Signal Design, Baton Rouge, LA Reece is a project engineer for the design of traffic signal upgrades at 10 intersections. This project included a traffic design report, preliminary and final plans for traffic signals that included traffic signal layout, fiber interconnect layout, fiber splicing diagrams, pedestrian crosswalk layout, and sign layout. The design also included traffic signal synchronization signal timing and pedestrian signal timing.
02/20 – 09/21	College Drive Corridor Enhancement from Perkins Road to I-10 (Baton Rouge, LA) Reece was the Task Leader for organizing and formatting the data collection of the College Drive project limits. Tasks included in data collection were 7-day tube counts, intersection turning movement counts, approach tube counts, unmet demand observations, driveway counts, travel time runs, pedestrian / bicycle counts, and weaving counts.
07/19 – 12/19	Burgess Avenue at Duff Road Traffic Signal Design, Walker, LA Reece was responsible for the design of a fully actuated signalized intersection in the city of Walker, LA. The traffic signal was determined to meet signal warrants upon completion of the Foxglove subdivision in Livingston Parish, LA. Plans included road widening, signal face indication schedule, signal sequence chart, sign schedule, detector schedule, controller timing, wiring diagram, and free operation phasing diagram. Reece met with city officials to discuss the feasibility of constructing a traffic signal as opposed to other alternative measures for improving the intersection.
02/16 – 12/16	H.005733.5 US 190 Superstreet Task Order (St. Tammany Parish) Reece was a team member responsible for the layouts for the US 190 Superstreet signal designs. He created the preliminary plans using CAD software program MicroStation V8i. He aided in the technical design of each intersection. He conducted field inspections to verify locations of existing equipment as well as observing the area for feasible proposed utility locations. He attended project team meetings to discuss the project details as well as the plan-in-hand walk-through.
01/16 – 11/17	Ochsner Main Campus Traffic Signals (Jefferson Parish) Reece served as a Design Engineer for the traffic signal plans for the two Ochsner Main Campus access traffic signals with US 90 (Jefferson Hwy). The goal of the design was to implement updated pedestrian timings as well as optimize progression through the US 90 corridor. He reviewed traffic data and assigned time of day coordination timing parameters for the two intersections so that they may be included in the coordinated system west of the intersections. He used TruTraffic determine the appropriate offset parameters so that vehicles may progress efficiently through the coordinated system. Plans for the two intersections were drafted in the form of DOTD's latest version of the TSI format. He was responsible for estimating construction quantities using DOTD's 2016 Spec Item list.
10/16 – 05/17	Loyola Interchange Modification Request, Kenner, LA Reece was a team member in the production of an Interchange Modification Report (IMR) for the I- 10 at Loyola Dr. Interchange. He was an active member in collecting vehicle travel time data and processing the data. He also aided in collecting vehicle queues at the study intersections. He also assisted in the Vissim model calibration.
02/15 – 12/15	H.011646 Retainer Contract for DOTD District 02 Traffic Signal Inventories - Nola 3 Reece served as the lead engineer in the production of the traffic study for the District 02 Traffic Signal Inventories. The objective was to effectively correct the progression of traffic through the US 90 (Broad St) corridor. He reviewed vehicle crash data at all intersections in the study scope. He conducted travel time runs. He created a model with existing traffic signal timing information using Synchro 8 Software. He recommended traffic signal pedestrian clearance times and yellow and red clearance times for each intersection. He used MicroStation V8i when designing traffic signal plans in DOTD's TSI format.

Firm employed	by Vectura Cons	sulting Services, LLC				
Name Kris	iten Gahagar)E	n Farrington, PE,	Years of relevant experience with this employer	€ 2		
Title Proje	ct Traffic Engine	er	Years of relevant experience with other employer(s)	⊃ 7		
Degree(s) / Yea	rs / Specialization	n	BS / 2014 / Civil Engineering	_!		
Active registration	on number / state	e / expiration date	PE.0042785 / LA / 03-31-2025			
Year registered	2018	Discipline	Civil			
Contract role(s)	/ brief descriptior	n of responsibilities	PROJECT ENGINEER for TRAFFIC CONTROL DES TMPs, PEER REVIEWS	IGN, TRAFFIC SIGN	AL ANALYSIS AND DESIGN,	
Ms. Farrington	will serve as a p	project engineer for the deve	lopment of traffic signal plans, development of traffic	control plans, traffic	c management plans, and	
signing and st	riping plans.					
Experience date	s Experience a	and qualifications relevant to th	e proposed contract; <i>i.e.</i> , "designed drainage", "designed	girders", "designed in	itersection", etc. Experience dates	
(mm/yy–mm/yy)	should cover	the time specified in the appli	cable MPR(s).			
12/21 – Ongoin	Ig H.012030.5	US 3/1 KCS RR Overpasses	HBI (Webster Parish, LA) Kristen was the project engin	eer to design perman	lent pavement marking and signing	
04/21 Ongoin	Sheets for the	e construction plans in MicroSi	(ation. She will also participate in the QC of the sequence	or construction and d	fer a traffic design study and traffic	
04/21 - Ongoin	signal design	n of 19 signals along three corr	idors: Plank Road, 22nd Street and US 190 (Florida Street	et) Kristen assisted t	he prime consultant with the safety	
	analysis as y	vell.			ne prime consultant with the safety	
08/21 – 04/22	H.013267 De	owntown to Scotlandville Par	rkway Trail Safety Enhancement Study (Baton Rouge.	LA) Kristen was a pr	oject engineer for a design study to	
	evaluate the	evaluate the recommended street crossing treatments of the trail at eight locations. The project consisted of collecting vehicular speed and volume data at the				
	proposed tra	proposed trail crossings. Geometric field checks were also performed to determine if any hazards to pedestrians or cyclists existed. Once the field data was				
	collected and	d analyzed, appropriate crossi	ng treatments utilizing the FHWA STEP Guide for Improving Pedestrian Safety at Unsignalized Locations wer			
	developed th	at included Rectangular Rapid	-Flashing Beacons (RRFB) and Pedestrian Hybrid Beacor	ns (PHB's). Currently,	Vectura is developing plans for the	
00/00 00/04	PHB's at fou	PHB's at four locations which will be the first implementation of PHB's in the Baton Rouge area.				
02/20 – 09/21	MOVEBR C	MOVEBR College Drive Enhancement Project (Baton Rouge, LA) Kristen assisted with the data collection task of the College Drive project limits. Tasks				
		Jala collection were 7-day tub	e counts, intersection turning movement counts, approa	ch lube counts, unme	et demand observations, driveway	
6/19 - 2/21	H 013459 II	S 167 Improvements Stage 0	Elsie Street to Gilbert Street (St. Landry Parish, LA) k	risten served as proi	ect manager for a Stage () study to	
0/10 - 2/21	evaluate the	evaluate the addition of a third lane to US 167 from Elsie Street south to a point past Gilbert Drive. Environmental impacts and cost estimates were prepared				
	as well as a	benefit-cost analysis of all imp	provements considered. Civil Engineer responsible for sa	fetv analysis including	g crash rate number method, over-	
	representatio	on, CATScan quality assurance	, HSM existing safety analysis, and No-Build Analysis. Des	signed high-level cond	cept exhibits and comparison matrix	
	to determine	best preliminary alternatives n	noving forward to meet the purpose and need of the proje	ct. Compiled meeting	agenda materials and minutes.	
6/19 - 2/21	H.013460 US	H.013460 US 167 Improvements Stage 0 Enola Street to Ross Road (Evangeline Parish, LA) Kristen served as project manager for a Stage 0 study of a				
	two-lane road	d to remove a curvilinear sectio	n of US 167 from Enola Street near LA 748, southeast for a	approximately 1.2 mile	es. The study compared connecting	
	existing prop	perty owners to a new roadwa	y with driveways or intersection of old roadway. Environi	mental impacts and c	cost estimates were prepared. Civil	
	Engineer res	ponsible for safety analysis inc	luding crash rate number method, over-representation, C	ATScan quality assura	ance, HSM existing safety analysis,	
	and No-Build	a Analysis, as well as a bene	TIT-COST analysis. Designed high-level concept exhibits a	and a comparison ma	atrix to determine best preliminary	
	alternatives	moving forward to meet the pu	pose and need of the project. Complied meeting agenda	materials and minute	8.	

Page 50 of 107 Prime consultant name: Michael Baker International, Inc.

06/21 – 02/22	H.013267 Capital Area Pathways Project (Baton Rouge, LA) Kristen was a Project Engineer for a traffic study to evaluate trail crossings at three state routes that required DOTD approval. The traffic design study included traffic data collection, safety analysis, existing conditions analysis and alternative analysis. Laurence used the DOTD Traffic Engineering Manual, MUTCD, and FHWA guidance to develop the most effective trail crossing alternatives.
04/19 – 06/21	H.013817.1 LA 117 Improvements Stage 0 (Vernon and Natchitoches Parishes) Kristen served as Project Engineer responsible for a Stage 0 study for 18 miles of two-lane LA 117 from LA 8 to LA 118. The study evaluated the impacts of correcting deficient vertical and horizontal geometry along the corridor, widening for the addition of shoulders, and adding passing lanes and turn lanes at strategic locations along the corridor. Kristen was responsible for performing the safety analysis including crash rate number method, over-representation, CAT Scan quality assurance, HSM existing safety analysis, and No-Build Analysis. Kristen designed high-level concept exhibits, evaluated environmental impacts, and prepared high level cost estimates and comparison matrices to determine which preliminary alternatives best meet the purpose and need of the project. Kristen compiled all findings in the Stage 0 report and coordinated with stakeholders and local agencies to ensure purpose and need of project is met.
03/19 – 11/19	H.012311 LA 429 Connector Stage 0 (Ascension Parish) Kristen was the Task Leader for the preparation of a Stage 0 study to evaluate alignments for a limited-access corridor (LA 429) near I-10, between LA 30, LA 73, and US 61. Two alternatives for the widening and reconstruction of LA 429 were evaluated. The scope consisted of stakeholder and public meetings, site visits and data collection, phasing of alternative development for the corridor, scope and budget checklists, and an opinion of probable cost to prepare the Stage 0 Report. Kristen served as the civil engineer responsible for designing high level concept exhibits and comparison matrix to determine best preliminary alternatives moving forward to meet the purpose and need of the project. Compiled meeting agenda materials and minutes, coordinated with interchange study consultants for a cohesive project, and wrote report.
11/18 - 3/21	H.013322 LA 3040 Feasibility / Safety Study Stage 0 (Houma, LA) Kristen served as project engineer for a study to identify safety and operational issues along 2.5 miles of Martin Luther King Boulevard (LA 3040) in Houma, LA to evaluate reasonable alternatives to address any deficiencies discovered. Kristen was responsible for compiling a data collection plan for submittal to DOTD, including count locations, determined peak periods, and peak hours. Kristen performed peak period observations in the field and geometric field checks, as well as unmet demand observations and calculations. Kristen prepared TMC figures, as well as performed existing analysis in Vistro. Compiled all data collected into Appendices A and B per the DOTD Traffic Process and Report and wrote Chapter 1 of report. Kristen represented the project at stakeholder meetings to discuss project status.
04/18 – 04/19	H.011243.1 I-49 at US 190 and LA 31 Interchange Improvements Stage 0 (St. Landry Parish) Kristen was the Project Engineer responsible for crash and safety analysis, report writing, planning, and designing for this Stage 0 Study to evaluate alternatives to improve traffic operations and safety at the I-49 interchanges with US 190 and LA 31. Crash and safety analysis was performed using the LADOTD CAT Scan tool and IHSDM, and line and grade was prepared to DOTD Design Standards for various corridors, including arterial collectors and freeway ramps. Close coordination with traffic engineer ensured maximum improvement of safety and operations given limited right-of-way and utility conflicts along the corridors.
09/17 – 09/18	H.011160 LA 73 Corridor Study Stage 0 (LA 74 to LA 621) (Ascension Parish) Kristen was the Designer responsible for concept development, report writing, and impact analysis for a Stage 0 study. The purpose of the study was to evaluate conceptual alternatives to improve capacity and operations along the LA 73 corridor and its connecting transportation network. The scope included the evaluation of three interchange configurations for the interchange of I-10 at LA 73 in conjunction with two corridor alternatives for LA 73, resulting in six different alternatives for which line and grade, impacts, and high-level cost estimates were prepared.
11/16 – 07/17	H.001271 Cane River Bridge Church Street Route LA 1-X Environmental Assessment Kristen was the project engineer responsible for assisting with the site visits, data organization, analysis of permanent alternatives and traffic control alternatives, and traffic report to aid in the delivery of an environmental assessment for the Cane River Bridge Replacement

Firm em	ployed by	Vectura Consulting Servic	ces, LLC				
Name	Bridg PTOE	et Scheyd Robicheaux, PE,		Years of relevant experience with this employer	€		
Title	Project	Traffic Engineer		Years of relevant experience with other employer(s)	⇒ 9		
Degree(s	s) / Years	/ Specialization		B.S./2007/Civil Engineering M.S./2014/Civil Engineerin	ig		
Active re	gistration	number / state / expiration d	late	PE. 0041272 / LA / 3/31/2025			
Year reg	istered	2016	Discipline	Civil			
Contract	role(s) / b	rief description of responsib	ilities	PROJECT ENGINEER for TRAFFIC CONTROL DESI TMPs, PEER REVIEWS	IGN, TRAFFIC SIGNAL ANALYSIS AND DESIGN,		
Ms. Rob	oicheaux v	vill serve as a project engi	ineer for the dev	velopment of traffic signal plans, development of traffic	c control plans and traffic management plans.		
Experien (mm/yy–	nce dates mm/yy)	Experience and qualification should cover the time spece	ons relevant to th cified in the appli	he proposed contract; <i>i.e.</i> , "designed drainage", "designed icable MPR(s).	girders", "designed intersection", etc. Experience dates		
07/21 – 0	Ongoing	H.007160 EBR Computer of Baton Rouge in acceptir tracker spreadsheet.	rized Traffic Sig ng the manufactu	unal, Phase VB (Baton Rouge) Bridget has reviewed the sured poles. Bridget also reviewed the traffic signal supports	signal mast arm shop drawings to assist the City-Parish and documented all of her comments in a quality control		
06/21	- 06/21	21 CP No. 16 CI-US-0032 Bus Rapid Transit (BRT) Improvement Project (Baton Rouge, LA) Bridget assisted with the traffic signal design of 19 signals three corridors: Plank Road. 22nd Street and US 190 (Florida Street).					
03/21	- 07/22	H.007160 - EBR Comput	terized Traffic S	Signal, Phase VB (Baton Rouge, LA) Bridget is part of t	the team responsible for Construction Engineering and		
		Inspection. Bridget has reviewed the signal mast arm shop drawings (checking pole quantities and markups) to assist the City-Parish of Baton Rouge in					
0.4/0.0	07/00	accepting the manufactured poles.					
04/20	- 07/20	H.004791 DOID Belle C	hasse Bridge	& Junnel Replacement Public-Private Partnership Pro	bject (Belle Chasse, LA) Bridget assisted the project		
		engineer who designed the temporary traffic signal for the intersection of LA 23 at Engineers Rd by pulling crash data along LA 23, reviewing and summarizing					
04/19	- 01/20	Traffic Studies for Broussard Middle School and Billeaud Elementary School (Lafavette Parish, LA) Bridget was the project engineer for developing a					
	••	Traffic Study for two school entrances in Broussard, LA, Her project tasks included traffic data collection, forecast traffic volume development, existing traffic					
		analyses and future traffic analyses using HCM software. She performed turn lane warrants based on NCHRP Report Number 457 as well as storage lengths					
		based on queues and DOTD requirements.					
07/19 – 0	Ongoing	MOVEBR New Capacity	Projects Progra	m Management (Baton Rouge, LA) Bridget assists on a c	daily basis for the entire New Capacity Projects program		
		management team. Bridget has performed multiple reviews of traffic studies and traffic signal designs. This includes reviewing raw data, unmet demand,					
		volume maps, existing and	d build analyses,	and safety analyses for accuracy and consistency through	out the report. She provides comments in a spreadsheet		
		routes and require approv	al by the Traffic F	Engineering staff of DOTD and EBP Traffic Engineering De	are aware. Many of these projects are located on state		
		all aspects of traffic engine	ering projects 1	Ising methods outlined in NCHRP 765. Bridget helped to d	evelon design year volumes for the Jones Creek (Airline		
to Jefferson) MOVERR project. She has deve			oiect. She has de	eveloped Turn Lane tech memos for the MOVEBR Old Ha	mmond Highway Segments 1A and two projects and for		
		the MOVEBR Highland at	Siegen project.				
07/18 -	- 04/19	LA 1 Pedestrian Crosswa	alk Study and T	raffic / Pedestrian Signal Design West Baton Rouge Pa	rish, Addis, LA Bridget assisted Brin with the crosswalk		
		study by pulling and forma	atting the crash d	lata. She also assisted Brin with the crash analysis and for	matting the findings.		

Page 52 of 107 Prime consultant name: Michael Baker International, Inc.

10/17 - 07/18	Travel Demand Model Update: Southeast Louisiana Travel Model (New Orleans, LA) Bridget developed base year traffic volumes to calibrate and test
	obtained and reviewed the over 4,000 traffic counts (cars / trucks) that were used in the validation of the SELATRAM model to check for consistency,
	reasonableness, and completeness. She tabulated her results in a spreadsheet that was included in a technical memorandum.
09/17 - 11/17	US 11 (Front St.) at US 190 Bus. (Fremaux Ave.) Traffic Study (St. Tammany Parish, LA) Bridget participated in the development of a Crosswalk Traffic
	Engineering Study for the City of Slidell as part of improvements to the intersection of US 11 (Front St.) at US 190 Bus. (Fremaux Ave.). Bridget processed
	raw traffic videos and developed AM and PM peak period turning movement vehicle count figures. She also assisted Brin with a PTV Vistro model for the AM
	and PM Peaks for the five intersections for capacity analyses as well as progression analyses. She also developed portions of the report.
02/17 - 10/17	Judge Tanner Boulevard at N. Causeway Roundabout Study (St. Tammany Parish, LA) Bridget participated in the development of a Stage 0 Feasibility
	Study for roundabouts at four intersections in St. Tammany Parish. The scope was developed based on EDSMs VI.1.1.1 / VI.1.1.5 and DOTD Traffic
	Engineering Manual Section 20.2. Bridget developed traffic turning movement counts for morning and evening peak periods including peak hour factor and
	heavy vehicle percentages. Growth rates for design year volumes were also developed based on information provided from the TransCAD model. She
	performed portions of the Sidra unsignalized, signalized and roundabout analyses for implementation and design years and report development.
06/16 - 09/17	H.004490 Stage 0 Roundabout Studies, (Lafayette Parish, LA) Bridget assisted with developing a Stage 0 Feasibility Study for roundabouts at seven
	intersections in the Lafayette area. The scope was developed based on EDSMs VI.1.1.1 / VI.1.1.5 and DOTD Traffic Engineering Manual Section 20.2. Bridget
	developed traffic turning movement counts diagrams for peak periods including peak hour factor and heavy vehicle percentages. She developed the speed
	data analyses as well as assisted with performing Sidra unsignalized, signalized and roundabout analyses for implementation and design years. Bridget also
	developed several figures that were included in the report

Firm em	Firm employed by Vectura Consulting Services, LLC						
Name	Clara	Williams Foshee, PE		Years of relevant experience with this employer	⇒ 2	AR	
Title	Project	Traffic Engineer		Years of relevant experience with other employer(s)	➡ 5		
Degree(s	s) / Years	/ Specialization		B.S./2015/Civil Engineering			
Active re	gistration	number / state / expiration d	ate	PE.0044568 / LA / 09/30/2024			
Year reg	istered	2020	Discipline	Civil			
Contract	role(s) / b	rief description of responsibi	lities	PROJECT ENGINEER for TRAFFIC CONTROL DES TMPs, PEER REVIEWS	SIGN, TRAFFIC SIGNA	L ANALYSIS AND DESIGN,	
Ms. Fos	hee will s	erve as a project engineer	for the develop	ment of traffic signal plans, development of traffic co	ontrol plans and traffic	management plans.	
Experien (mm/yy–	ice dates mm/yy)	Experience and qualification should cover the time spece	ons relevant to th cified in the applic	e proposed contract; <i>i.e.</i> , "designed drainage", "designed able MPR(s).	l girders", "designed inte	rsection", etc. Experience dates	
07/21 – 0	Ongoing	H.014746.1 Stage 0 LA 3 sections in Chapter 2 to co	83 (Iowa, LA) Cl omply with the DC	ara is performing the safety analysis for this corridor stu DTD TEPR process.	ıdy. She will develop Ap	pendix C and the corresponding	
06/21 ·	06/21	H.012370 Morrison Road	Traffic Study: I	layo Boulevard to Bullard Avenue (New Orleans, LA) Clara was the project	engineer for a corridor study that	
		evaluated reducing travel l	anes to incorpora	te bike lanes. The study included peak hour determination	on, turning movement c	ounts with unmet demand, safety	
		analysis, and intersection a	analyses using H	CS 2023. The study followed the DOTD TEPR process s	ince the project received	d federal aid and will be reviewed	
02/24	07/00	by DUTD.		Desire (Deter Deurs IA) Clare and ided quality and		ante of this preiset. Ohe reviewed	
03/21	01/22	the traffic volume and safety sections of several intersection design studies. She also verified the estimated quantities for several traffic signal design plans					
04/20 ·	07/20	H.005168 NORG - Avondale PEL Study (Avondale, LA) Clara provided quality control for Appendix C (Safety) and Chapter 2 (Existing Conditions),				er 2 (Existing Conditions), as well	
		as assisted with the compl	as assisted with the completion of Appendix D (Existing and No Build Analysis). The study followed the DOTD TEPR process and was reviewed by DOTD.				
04/19 ·	01/20	MOVEBR New Capacity Projects Program Management (Baton Rouge, LA) Clara has verified turn lane length calculations, vertical tree clearances, safety					
07/40	.	analyses, pedestrian count	termeasures, and	I other quality control reviews to assist the City of Baton	Rouge with their reviews	S.	
07/19 - 0	Ungoing	the new Troffic Engineering Proc	ess and Report	Flowchart (Hammond, LA) Lead engineer in the design	1 and production of a flo	wchart depicting the assembly of	
		clearly showing how the p	y Process and Re	port Flowchart. While working as a stall member in DOT	D DISINCI 62, She look l	ine initiative to create a document	
	throughout District 62 but was seen and a			mired by DOTD Headquarters and spread throughout th	e state to serve as a su	as interface to be used internally	
		of the new Traffic Engineering Process and Report					
07/18 -	- 04/19	Unserviced Demand Data Collection and Peak-Hour Determination Spreadsheets (Hammond, LA) Clara was a traffic engineering team member in the					
		design and production of a	set of spreadshe	ets intended to standardize how unserviced demand is	collected and how peak-	-hours are determined from peak-	
		periods. Working closely w	vith fellow traffic e	engineers at District 62, she co-created a document cont	taining multiple spreads	heets designed to allow the input	
		of unserviced demand dat	a collected in the	e field for various intersection types and configurations.	This document would t	hen output reliable and accurate	
		unserviced demand data t	o be used in stu	dies and reports throughout District 62. While creating t	this unserviced demand	document, she concurrently co-	
		created a document contai	ining multiple spr	eadsheets designed to determine the most appropriate a	and accurate peak-hour	from a given set of volumes over	
		a peak-penou. Doin docum	IEITIS LOOK WEEKS	to create and were continuously reviewed and edited to	ensure they were as ac	ourate as possible.	

SJB Group, LLC Resumes

Page 55 of 107 Prime consultant name, Michael Baker International, Inc.

Firm employed by SJB Group, LLC					
Name Matthew Estopina	I, PE, PLS	Years of relevant experience with this employer	⇒ 2		
Title CEO/Principal-in-Charge	,	Years of relevant experience with other employer(s)	⇒ 15		
Degree(s) / Years / Specialization		B.S. in Civil Engineering, 2009, Louisiana State Unive B.S. in Microbiology, 1996, Louisiana State University	rsity		
Active registration number / state /	expiration date	PE.39151 / Louisiana / 3/31/2025 PLS.004955 / Louisiana / 3/31/2025			
Year registered 2014 2006	Discipline	Civil and Land Surveying			
Contract role(s) / brief description of	f responsibilities	MPR 4. SURVEY QA/QC MANAGER			
Mr. Estopinal has more than fifteen	(15) years of experience as	a professional land surveyor and eight (8) years as a Louis	iana licensed professional civil engineer in transportation		
the LA-DOTD HYDR programs, Hy	d projects. Mr. Estopinal is droCAD, Global Mapper ai	a other technical software packages used in civil engineer	ing and land surveying.		
Experience dates Experience an	l qualifications relevant to	the proposed contract; i.e., "designed drainage", "designed	girders", "designed intersection", etc. Experience dates		
(mm/yy-mm/yy) should cover the	e time specified in the app	licable MPR(s).			
03/22 - Ongoing LA DOTD Proj	ect No. H.012685.5 – LA 3	85: Ryan Street Intersection Improvements			
Project Manage	r. A topographic survey wa	s required in Calcasieu Parish, Louisiana near the intersection	on of I-210 and LA 385 (Ryan Street) and near the campus		
Of Michaese St.	lle University. The survey in Llinear distance is approvir	iciuded all utilities with depths and all drainage, along with lini nately 2.67 miles	sh noor elevations of all buildings that fell within the survey		
02/22 – 06/22 LA DOTD Proj	I A DOTD Project No. H 014752 5 – L A 3021: Dual Turn Lanes $@$ LA 38				
Project Manage	Project Manager / QA/QC. LA DOTD tasked SJB Group to perform a topographic survey in Orleans Parish, Louisiana. The survey was located at the intersection				
of LA 39 (N. C	of LA 39 (N. Claiborne Ave.) and LA 46 (Elysian Fields Ave.), and included all utilities with depths, drainage, and finish floor elevations of all buildings within the				
survey limits. T	survey limits. The project had a total linear distance of approximately 3,600 feet				
11/21 – 12/21 Conway Deve	Conway Development Topographic Survey				
Project Manag	r. Sub to Novus Reb Engir	leering. This project consisted of performing a topographic s	urvey of a tract in the Conway development and is limited		
to running cros	i-sections through the topo	site with Leica SmartNET RTN	and soud prism mounted on a closed cab UTV. Horizontal		
10/21 – Ongoing LA DOTD Pro	A DOTD Project No. H 004100.5 – I-10: I A 415 to Essen on I-10 and I-12				
QA/QC. This p	oject required a property su	rvey along a 4.4 mile stretch of Interstate 10 from St. Joseph	St. to College Dr. for the LA DOTD's I-10 widening project.		
Under previous	IDIQ contracts and task or	ders, offeror performed a topographic survey of the I-10 and	I-12 corridor, and prepared the property survey for the I-		
10 Widening P	10 Widening Project. Offeror performed additional property surveys of specific areas identified by the project design team as requiring more information				
06/21 – 10/21 LA DOTD Proj	LA DOTD Project No. H.007963 – Blackwater Bayou Bridge				
Project Manag	r / QA/QC. Prime contracto	or. This project required replacement of the Bayou River Bridg	ge and a diversion road during construction along LA Hwy		
4 IO IN East Ball	on Rouge Parish hear the C	ity rown of Central. SJB Group was tasked through Retainer	er Retainer Contract No 4400009165 with LADOTD. This		
project went th	ough design changes whic	halted project progress temporarily and significantly change	et the required taking. SJB Group performed title research		
for each affecte	d parcel to prepare a title ta	ike-off consisting of the current deed and any maps, plats, et	c. used to locate property lines. SJB Group then prepared		
a property surv	ey showing property lines for	or each affected parcel and the existing right-of-way within th	e project limits.		

Page 56 of 107 Prime consultant name: Michael Baker International, Inc.

07/21 – 02/22	LA DOTD Project No. H.012851 – UP RR Corridor (Plaquemine)
	Project Manager / QA/QC. Prime contractor. This project involved Quality Level B, C, and D subsurface utility engineering and utility surveying as well as a
	Topographic Survey for the project located in Iberville Parish along the Union Pacific Railroad Corridor between the intersection of LA 1 and Bayou Road and the
	intersection of Belleview Drive and Railroad Avenue. The project included title research and field data collection for the preparation of a property map and right-
	of-way map set.
03/21 – 05/22	City-Parish Project No. 20-CP-HC-0032 – MovEBR Nicholson Segment 2
	Survey Project Manager. Sub to Volkert. SJB Group performed a topographic survey, Subsurface Utility Engineering (SUE), property surveys, and right-of-way
	mapping of a 4.1 mile wide stretch of Nicholson Drive (LA 30) from Bluebonnet Boulevard to Ben Hur Road in East Baton Rouge Parish, LA, for a City-Parish
	widening project.
01/21 – 06/21	East Baton Rouge City/Parish Project No. 20-PS-IF-0109 – DES Regional Pump Station #299
	Project Manager/Surveyor of Record. This project required the topographic survey and property survey with the preparation of Right-of-Way maps for a force-
	main extension from the eastern end of Constantin Phase 2 (Dijon) to an existing Sewer Pump Station on the west side of Bluebonnet Blvd.
01/21 – Ongoing	City-Parish Project Nos. 20-TS-HC-0075 & 20-TS-HC-0080 – MovEBR Synchronization & Communication Signal Rebuilds – Group 2
	Surveyor on Record. This project involved a Topographic Survey and Right-of-Way maps for six intersections.
09/20 – Ongoing	City-Parish Project No. 12-CS-HC-0015 – MovEBR Perkins Road, Siegen to Pecue
	Project Manager / Surveyor on Record. This project involved a Topographic Survey and Right-of-Way maps for Perkins Road from Siegen Lane to Pecue Lane.
09/21 – Ongoing	City-Parish Project No. 20-EN-HC-0027 – MovEBR Sherwood Forest Multi-Use Path
	Project Manager. This project included preliminary engineering services encompassing a Design Study, Corridor Survey, and Preliminary Plans as well as a
	complete set of Final Plans. A topographic survey and engineering design were completed to improve pedestrian and bicycle mobility along S. Sherwood Forest
	by adding a multi-use path along the west side of the roadway.
09/20 – Ongoing	City-Parish Project No. 20-EN-HC-0026 – MovEBR Sherwood Forest Sidewalks
	Project Manager. This project included preliminary engineering services encompassing a Design Study, Corridor Survey, and Preliminary Plans as well as a
	complete set of Final Plans

Name Charles Tim Brewer, RF, PS, PLS, Years of relevant experience with this employer			
RPLS, RPP			
Title Vice President Years of relevant experience with other employer(s) 28			
Degree(s) / Years / Specialization B.S. in Forestry Management, 1988, Mississippi State University			
Active registration number / state / expiration date PLS.005009 Louisiana 9/30/2023 MS PLS.2766 Mississippi 12/31/2023			
Year registered2023 1999DisciplineCivil Engineering			
Contract role(s) / brief description of responsibilities MPR 4. TOPOGRAPHIC SURVEY LEAD			
Mr. Brewer joined the firm as the Mississippi Area Manager, bringing more than thirty years of experience in surveying to the firm's Mississippi and Louisiana offic	ces. He has		
managed a variety of projects throughout his career including, but not limited to: right-of-way control surveys for aerial surveying and mapping, ALTA/NSPS Surve	eys,		
topographic surveys, right-of-way acquisition surveys, as-built surveys, and eminent domain surveys and expert witnesses. He has served as a court-appointed P	Professional		
Surveyor for property disputes and expert witness testimony, along with appointments for estate sub-divisions	norionae detec		
Experience dates Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , designed drainage, designed girders, designed intersection, etc. Experience dates being a should cover the time specified in the applicable MPP(s).	perience dates		
03/22 – Ongoing I A DOTD Project No. H 012685.5 – I A 385: Rvan Street Intersection Improvements			
Project Manager. This project included a Topographic Survey in Calcasieu Parish near the intersection of I-210 and I A 385 (Rvan St) and near	ar the campus of		
McNeese State University. The survey included all utilities, all drainage, and finish floor elevations of all buildings that fell within the survey limits.	The total linear		
distance was approximately 2.67 miles.			
3/22 LA DOTD Project No. H.005967.50 – Nelson Road Extension and Bridge			
Project Manager. The Nelson Road Extension project was from north across Contraband Bayou to intersect West Sallier Street. The project	ect included the		
realignment of Nelson Road, new bridge construction, and relocation of an existing railroad. The project was divided into three phases: Property	ty Surveys, base		
right-of-way maps, and final right-of-way maps.			
07/21 – 09/22 LA DOTD Project No. H.004100 – I-10: LA 415 to Essen			
Project Manager. The project included title research and field data collection for the preparation of a comprehensive property map that included the substantial interesting streads. The preparation of a comprehensive property map that included	the depiction of		
the existing right-of-way of approximately 4 miles of interstate 10, along with multiple intersecting streets. The property map was utilized in the project	preparation of a		
$10/20 - 08/22 \qquad \text{I A DOTD Project No. H 002176 50 - I A 10 Bridges}$			
Project Manager. The LA 10 Bridges project in St Landry parish included Right-of-Way surveys for three sites for this project, produce base right	ht-of-way maps		
along with signed and sealed right-of-way maps for the three sites. SJB surveyed the affected properties and determined the existing right-of-way	av for LA Hwy 10		
and multiple state-claimed water bodies. Submission of preliminary property survey map depicting the existing right-of-way and property lines w	within the project		
limits.			

07/21 – 02/22	LA DOTD Project No. H.012851 – Union Pacific Railroad Corridor (Plaquemine)
	Prime contractor. This project involved Quality Level B, C, and D subsurface utility engineering and utility surveying as well as a Right-of-Way Survey and
	Topographic Survey for the project located in Iberville Parish along the Union Pacific Railroad Corridor between the intersection of LA 1 and Bayou Road and the
	intersection of Belleview Drive and Railroad Avenue. The project included title research and field data collection for the preparation of a property map and right-
	of-way map set.
06/18 – 11/21	LA DOTD Project No. H.012001 – LA339 Canal and Creek Bridges
	The LA 339 Canal and Creek Bridges project in Vermillion Parish included Right-of-Way surveys for three sites for this project, produce base right-of-way maps,
	along with signed and sealed right-of-way maps for the three sites. SJB surveyed the affected properties and determined the existing right-of-way for LA Highway
	339 and multiple intersecting streets. Submission of preliminary property survey map depicting the existing right-of-way and property lines within the project limits.
06/22 – 12/22	LA DOTD Project No. H.013716 – US 167 – Camellia Boulevard-Churchill Drive
	Sub to Digital Engineering & Imaging, Inc. This project included a Topographic Survey and Right-of-Way Survey of the Camellia Boulevard and Churchill Drive
	intersection area. All surveying was performed to LADOTD Location & Survey Section requirements.
08/20 - 03/22	LA DOTD Contract No. 4400017597 – Rural Bridge Replacement Initiative
	Sub to Burk-Kleinpeter, Inc. This project included a Topographic Survey, Right-of-Way mapping, and road design performed for the proposed 33 bridge
	replacements for LA DOTD Districts 03, 07, 61, and 62. Each site required a complete property map and the preparation of right-of-way maps and supporting data
	for right-of-way acquisition. The topographic Surveying portion of the project consisted of a complete inventory for each drainage structure and cross sections of
	all drainage ways

Firm employed by SJB Group, LLC							
Name	Colby	/ Mire, PLS		Years of relevant experience with this employer	● 9		
Title	Survey	Department Manager		Years of relevant experience with other employer(s)	○ 0		
Degree(s) / Years / Specialization				B.S. in Construction Engineering Technology, 2015 So	utheastern Louisiana University		
Active re	gistration	number / state / expiration d	ate	PLS.005308 / Louisiana / 9/30/2023			
Year reg	istered	2023	Discipline	Professional Land Surveyor			
Contract	role(s) / b	rief description of responsibi	lities	TOPOGRAPHIC SURVEY MANAGER			
Mr. Mire	has six ye	ars of experience in the land	d surveying field. H	le has worked as a rodman, party chief, and project man	ager for SJB Group. He has worked on numerous		
projects i	involving t	opographic, boundary, and r	ight-of-way surve	vs, as well as mobile LiDAR scanning. His field experience	ce includes numerous DOTD projects, boundary		
surveys,	construct	on stakeouts, and topograph	nic and right-of-wa	y surveys throughout Louisiana. Mr. Mire is familiar with	LA DOTD Location and Survey procedures, manuals,		
and softv	vare progr	ams.	wa ralayant ta tha	ware and contract, i.e. "designed during as" "designed	ninders" "designed intersection" at Experience dates		
⊂xpenen	mm/w/	experience and qualification	vified in the applic	proposed contract, <i>i.e.</i> , designed drainage, designed (ginders, designed intersection, etc. Experience dates		
07/22 -	- 05/23	Silouid Cover the time spec	Δ DOTD Project I				
UTILL	00/20	Project Manager/Senior Te	chnician. Sub to M	ever. This project consists of providing a topographic surv	ev for the S. Lewis Street widening project in accordance		
		with DOTD procedures. The	e topographic surv	ey shall extend past the apparent right-of-way to accommo	odate the road widening.		
06/22 -	- 12/22	US 167 - Camellia Blvd-C	hurchill Dr - LA I	OOTD Project No. H.013716			
		Project Manager/Senior Te	echnician. Sub to	Digital Engineering & Imaging. This project includes the	rough topographic survey of the area identifying trees		
		bushes/shrubs, utility poles	, direction of over	nead wires, type of pavement surfaces, water meters, sev	ver cleanouts, fences, water valves, manholes, drainage		
		structures, gas meters, traffic signals, traffic signs, bus shelters, fire hydrants, type of drainage pipes, driveway width, etc. as well as perform Right-of-Way survey					
07/04	02/22	for the project limits.		Drojact No. LI 012951			
07/21 -	- 02/22	Project Manager/Senior Te	chnician This proj	Project No. H.012651 act included a topographic survey with all utilities and der	the at the intersection of IA1 and Bayou Road, and the		
		Project Manager/Senior rechnician. This project included a topographic survey with all utilities and depths at the intersection of LA 1 and Bayou Road, and the intersection of Belleview Dr. and Bailroad Ave					
04/21 -	- 07/21	Hooper Road Widening (LA 3034 – LA 37) - LA DOTD Project No. H.009300.5					
		Project Manager/Senior Technician. A Topographic survey and subsurface utility engineering were completed by SJB for a one mile stretch of LA Hwy 408 in Eas					
		Baton Rouge Parish, LA. T	he topographic su	rvey was an update to a survey done previously by SJB a	nd included locating and verifying all changes to the one		
		mile site since the previous	survey was comp	eted in 2014.			
04/21 -	- 06/21	Centurion Over Drainage	Bayou - LA DOT	D Project No. H.014322			
		Project Manager/Senior Tec	chnician. Sub to Me	onroe & Corie. This project included topographic survey in E	ast Baton Rouge Parish for a bridge location on Centurior		
02/04	Duccout	Blvd over Drainage Bayou.		at lateras stice languages at . City Devict No. 20 CD	10.0040		
03/21 -	Present	nt MOVEBR- Jefferson Highway at Bluebonnet Intersection Improvement - City Parish No. 20-CP-HC-0046					
		Intersection		ct includes topographic survey, property survey, SOL, and	Tright-or-way maps of the senersor riwy and bluebonne		
08/20 -	- 03/22	Rural Bridge Replaceme	nt Initiative - LA I	OOTD Contract No. 44-17597			
		Junior Project Manager. To	pographic surveys	, right-of-way mapping, and road design performed for the	proposed 33 bridge replacements for LA DOTD Districts		
		03, 07, 61, and 62 as a Sub	-consultant. Each	site required a complete topographic survey of the project	limits, as well as a complete inventory for each drainage		
		structure (type, size, length	, and invert), and o	ross sections of all drainage ways.	· · ·		

Page 60 of 107 Prime consultant name: Michael Baker International, Inc.

04/20 - 11/20	US 11 Norfolk Southern RR Overpass (HBI) - LA DOTD Project No. H.000688.5
	Junior Project Manager. This project included topographic survey and mobile LiDAR scanning in St. Tammany Parish along US 11 between I-12 and US 190.
04/20 - 06/20	US 90 - Pearl River Bridges (HBI) - LA DOTD Project No. H.000284.5
	Junior Project Manager. Topographic survey and mobile LiDAR scanning along US 90 and west of Pearl River in St. Tammany Parish. The project began
	3,000 feet west of the intersection between US 90 and US 190. The total distance of the survey once complete was 4,000 miles
01/20 - Present	Roddy Road @ LA 933 Roundabout - Parish of Ascension Project No. MA-19-03
	Project Manager/Senior Technician. This project includes a topographic survey and Right-of-Way maps in accordance with LA DOTD Location and Survey Manual
	for the design of a single lane asphalt roundabout at the intersection of Roddy Road and LA 933 in Gonzales, LA.
04/19 – 08/19	LA 182 Barrow Street Bridge - LA DOTD Project No. H.012735.5
	Junior Project Manager. SJB conducted a topographic survey and subsurface utility engineering Quality Level B for design. The purpose of this project was to
	replace a bridge structure located at the intersection of Park Avenue and Barrow street in downtown Houma.
04/19 – 08/19	LA 1 / LA 415 Connector - LA DOTD Project No. H.05121.5
	Party Chief. This project included a topographic survey and drainage map in West Baton Rouge Parish for the design of a future connector roadway from LA 415
	to LA 1. The project ran along a corridor beginning north of the intersection of I-10 and LA 415 and continuing in a southeasterly direction to the intersection of
	Beaulieu Lane and LA 1. This project tied into existing topographic surveys for State Project No. H.004100 on the northern end and H.001234 on the southern
	end.
10/18 – 04/19	I-10 Paris Road - Lake Pontchartrain - LA DOTD Project No. H.012591
	Junior Party Chief. This project included complete topographic survey including utilities with depths and all drainage for an 8.24 mile stretch of Interstate 10 in
	New Orleans East. The project began near the I-510 overpass and ended at the bridge abutment of the I-10 bridge over Lake Pontchartrain.

Firm employed by SJB Group, LLC						
Name	Danie	el Biggs		Years of relevant experience with this employer		
Title	Party C	Chief		Years of relevant experience with other employer(s)	● 0	
Degree(s	s) / Years	/ Specialization		N/A		
Active re	gistration	number / state / expiration da	ate	N/A		
Year reg	istered	N/A	Discipline	N/A		
Contract	role(s) / b	prief description of responsibili	ities	TOPOGRAPHIC SURVEY MANAGER		
Mr. Bigg	s has one	year of experience as a surve	ey party chief, fiel	d coordinator, and survey technician. Accuracy and com	pleteness of data is Mr. Biggs' utmost priority. He has	
extensive	e experier	nce throughout the State of Lo	ouisiana performir	g boundary, construction stakeout, as-built, ALTA, topog	graphic, hydrographic and right-of-way surveys using	
both con	iventional	and GPS instruments.				
Experien	nce dates	Experience and qualification	ns relevant to the	proposed contract; <i>i.e.</i> , "designed drainage", "designed g	girders", "designed intersection", etc. Experience dates	
(mm/yy–	-mm/yy)	should cover the time speci	fied in the applica	ble MPR(s).		
12/21 -	- 02/22	Materra/Woman's Hospital	l/Airline			
		Sub to Stantec Consulting S	Services, Inc. This	project involved a Topographic Survey and a Re-Subdivis	ion Map.	
09/21 – 0	Ongoing	City-Parish Project No. 20-	-EN-HC-0027 – M	oveBR – Sherwood Forest Boulevard Multi-Use Path		
		This project included preliminary engineering services encompassing a Design Study, Corridor Survey, and Preliminary Plans as well as a complete set of Final				
		Plans. A topographic survey	and engineering	design were completed to improve pedestrian and bicycle	mobility along S. Sherwood Forest by adding a multi-use	
01/01	Onnoina	path along the west side of t		0000 MoveBD Symphronization and Communication	n Sianal Dahuilda - Craun 2	
01/21-0	Ungoing	This project No. 20-13-AC-	-0075 — 20-15-ПС	-0000 - MOVEBR Synchronization and Communication	n Signai Rebuilds – Group z	
00/20 _ 0	Ongoing	City-Darish Project No. 12-	CS_UC_0015 _ M	oveRP Porking Pood Signap to Pocus		
03/20 - 0	ongoing	This project involved a Topo	oranhic Survey ar	nd Right-of-Way mans for Perkins Road from Siegen Lane	to Peque Lane	
09/20 - 0	Ongoing	City-Darish Droject No. 20-EN-HC-0026 – MoyoRP – S. Shanwood Ecrost Roulovard Sidewalks				
00/20	ongoing	This project included prelimi	inary engineering	services encompassing a Design Study Corridor Survey	and Preliminary Plans as well as a complete set of Final	
		Plans.				
03/20 -	- 12/21	1 St. Francisville Sewer Treatment Plant, Pump Stations, and Force Mains				
The project involved a topographic survey and be			raphic survey and	boundary and servitude maps for the force main route (approximately 8,000 linear feet), pump station, and treatment		
		plant site.			- / · · · ·	
02/20 -	- 07/21	City-Parish Project No. 20-	-EN-HC-0033 – M	oveBR Plank Road Corridor Enhancement Segment 2	(Dawson Drive to Harding)	
		This project involved a topog	graphic survey to i	mprove pedestrian and cyclist mobility along Plank Road	from Dawson Drive to Harding Boulevard.	

Firm employed by SJB Group, LLC									
Name	Karen	Kennedy, PE		Years of relevant experience with this employer	● 1.5				
Title	Enginee Departm	ring and Subsurface Utility E nent Lead	Engineering	Years of relevant experience with other employer(s) 3 25					
Degree(s) / Years /	Specialization		B.S. in Civil Engineering, 1995, Louisiana State Univer	rsity				
Active re	gistration	number / state / expiration da	ate	PE.0028547 / Louisiana / 9/30/2023					
Year reg	jistered	1999	Discipline	Civil Engineer					
Contract	role(s) / b	rief description of responsibi	lities	Engineering and Subsurface Utility Engineering Department Lead					
Ms. Ken	nedy has	twenty-four years of experie	ence as a licensed	d civil engineer working in both the municipal and priva	ate sectors. Ms. Kennedy has completed infrastructure				
improver	ment, site	development and subsurface	e utility engineerin	g (SUE) projects for LA DOTD, MovEBR, and other loc	cal entities and private developers. She has a thorough				
knowled	ge of the S	Subsurface Utility Engineering	g CI/ASCE Standa	ard 38-22.	ninders" "designed intersection" status				
Experier	nce dates	Experience and qualification	ons relevant to the	proposed contract; <i>i.e.</i> , "designed drainage", "designed i	girders", "designed intersection", etc. Experience dates				
(IIIII/yy-	Ongoing	City-Parish Project No. 20		DIE MIFR(S). OVERP Airling Highway, North (Elorida Blyd to Interst	tato (_110)				
10/22 -	ongoing	SUE Department Manager/	Engineer of Reco	d SIB Group will complete ASCE 38-02 Quality Level C) services for the project as a sub-consultant to Huval &				
		Associates There is a hea	avy congestion of	utilities within these project limits and identification of u	tility owners and approximate locations is critical to the				
		preliminary design of the pre-	oiect.						
08/22 -	Ongoing	LA DOTD Task Order No.	H.001820.5-3 – LA	A 485 Bridges Near Allen Construction Inspection					
	•••	SUE Project Manager. SJB Group will provide construction coordination and monitoring for the relocation of three water mains in conflict with the project alignments							
04/22 -	Ongoing	City-Parish Project No. 20	-CP-US-0100 – M	OVEBR Airline Highway, South (Parish Line to Bluebo	onnet Blvd)				
		SUE Department Manager/Engineer of Record. SJB Group will complete ASCE 38-02 Quality Level D services for the project. There is a heavy congestion of							
		utilities within these project	limits and identifica	ation of utility owners and approximate locations is critical	to the preliminary design of the project.				
04/22 -	- 06/22	St. Bernard Parish Water Treatment Plants SUE							
		Project Manager/SUE Engir	neer. This project ii	hvolved ASCE 38-02 Quality Level B and Quality Level As	services for the St. Bernard Parish Water Treatment Plant				
		expansion. Prior to Quality	Level A and B ser	vices, extensive Quality Level D records research was co	therefore the accurate leastion of the facilities within the				
site is neavily congested with existing utilities serving the site. Records provided were out of date and therefore the accurate location of the									
03/22 -	- 08/22	D Vickers Hall Renovation	and Addition	טי אימנטי שבו אוכב טו נטשנוץ ובוטכמנוטוו נטשנש.					
UUILL	UUILL	SUE Engineer of Record. S	Sub to Holly & Smit	h Architects. This project involved ASCE 38-02 Quality Le	evel A and B SUE services for all utilities for the proposed				
		D. Vickers Hall Expansion at Southeastern Louisiana University. Locations of the existing utilities are required to determine conflicts with the proposed expansion							
		of D. Vickers Hall, new parking lot, and pedestrian path. Anticipated utilities were water, gas, telephone, cable, and fiber optic. Prior to Quality Level A and B							
		gn.							
01/22 -	- 06/22	City Parish Project No. 21	-DR-LA-0095 – Da	awson Creek at Hundred Oaks and Broussard Bridges	3				
		SUE Engineer of Record. Sub to Forte & Tablada, Inc. This project involved subsurface utility engineering and utility surveying for the proposed Dawson Creek at							
		Hundred Oaks and Broussard Bridges. This project required ASCE 38-02 Quality Level A and B SUE services for all utilities within the project limits. The accurate							
		location of these facilities w	as critical for the ul	timate design of the bridge infrastructure included in this p	project.				

Page 63 of 107 Prime consultant name: Michael Baker International, Inc.

11/21 – 03/22	Project No. 20-2057 – LA 30 Roundabouts Subsurface Utility Investigation (Tanger Mall and I-10) SUE Engineer of Record. This project involved ASCE 38-02 Quality Level A SUE and utility surveying to identify utility conflicts for all utilities owned by the City of Gonzales and the proposed LA 30 Roundabouts at Tanger Mall and I-10 in Ascension Parish. Prior to Quality Level A services, extensive Quality Level D records research was completed to aid in the subsequent SUE design. This effort required detailed record research, field investigations and data management. The accurate location of these utilities was critical to alleviate disruptions to utility services and conflicts and delays to the construction of the project in this heavily congested area.
10/21 – Ongoing	City/Parish Project No. 20-CP-HC-0044 – MovEBR Widening of Lee Drive (Highland to Perkins) SUE Engineer. This project involved ASCE 38-02 Quality Level C SUE services for all utilities within the project corridor as a sub-consultant. Prior to Quality Level C services, extensive Quality Level D records research was completed to aid in the subsequent SUE design. This corridor is heavily congested with utilities making the accurate location of such a critical part of the ultimate design of the project.
10/21 – Ongoing	Project Manager/SUE Engineer of Record. This project involved a Topographic Survey and Subsurface Utility Engineering designating (Quality Level B) and locating services (Quality level A) in accordance with ASCE 38-02 for all utilities owned by the City of Gonzales. Prior to Quality Level A and B services, extensive Quality Level D records research was completed to aid in the subsequent SUE design. The overall efforts established an extensive topographic survey and Quality Level B map with Quality Level A information throughout the project corridor. The accurate location of these utilities was critical to allow for the proper design of the drainage system.
10/21 – 03/22	LA DOTD Project No. – I-110 North to Plank Road SUE Engineer of Record. Sub to Buchart Horn. This project involved ASCE 38-02 Quality Level C and D SUE services for all utilities on this LA DOTD project in East Baton Rouge Parish. Quality Level C and D services requires extensive records research to aid in the subsequent SUE design.
08/21 – 02/22	LA DOTD Project No. H.012851 – UP RR Corridor (Plaquemine) SUE Engineer of Record. This project involved Quality Level B, C, and D subsurface utility engineering and utility surveying as well as a Topographic Survey for the project located in Iberville Parish along the Union Pacific Railroad Corridor between the intersection of LA 1 and Bayou Road and the intersection of Belleview Drive and Railroad Avenue.
5/21 – Ongoing	City/Parish Project No. 20-CP-HC-0034 – MovEBR Jefferson at Corporate Intersection SUE Engineer. Sub to Buchart Horn. This project involved a Topographic Survey, Property Survey, Right-of-Way maps, and Quality Level C and Quality Level B SUE services for all utilities of the Jefferson Hwy and Bluebonnet intersection.
10/21 - Ongoing	Chris Kennedy Road Bridge, Pearl River, LA. Lead Land Surveyor for topographic survey for the removal and replacement of the Chris Kennedy Road Bridge. Approximately 1,000 feet of survey on the upstream and downstream sides of the bridge.

Firm employed by SJB Group, LLC									
Name Austi	n LaCombe, PE		Years of relevant experience with this employer	⇒ 1					
Title Subsurf	ace Utility Engineering Depa	rtment Manager	Years of relevant experience with other employer(s)	● 6					
Degree(s) / Years	/ Specialization		B.S. in Civil Engineering, 2017, LSU A.S. in Pre-Engineering, 2015, BRCC						
Active registration	number / state / expiration da	ate	PE.0047563 Louisiana 9/30/2023						
Year registered	2023	Discipline	Civil Engineering						
Contract role(s) / b	rief description of responsibil	lities	SUBSURFACE UTILITY ENGINEERING DEPARTMENT MANAGER						
Mr. LaCombe mar crews to include p project deliverable and policies are fo OpenRoads, Micro	Mr. LaCombe manages and assists with managing subsurface utility engineering (SUE) projects for SJB Group. He is tasked with managing day to day operations of SUE field crews to include project research, preparation of field packages, supporting field efforts, organization and processing of field data, client coordination, and preparation/QA/QC of project deliverables. Mr. LaCombe has significant experience working on a variety of projects with diverse timelines. He is also responsible for ensuring that all safety guidelines and policies are followed and acts as a branch liaison to the corporate safety director. Mr. LaCombe is also proficient in a variety of software including: Bentley InRoads, OpenRoads, MicroStation, TopoDOT, AutoCAD Civil 3D, and Leica Cyclone.								
Experience dates (mm/vv–mm/vv)	Experience and qualificatio	ns relevant to the ified in the applica	proposed contract; <i>i.e.</i> , "designed drainage", "designed gable MPR(s).	girders", "designed intersection", etc. Experience dates					
03/22 - 08/22	D Vickers Hall Renovation	is and Addition							
	SUE Engineer. Sub to Holly & Smith Architects. This project involved ASCE 38-02 Quality Level A and B SUE services for all utilities for the proposed D. Vickers Hall Expansion at Southeastern Louisiana University. Locations of the existing utilities are required to determine conflicts with the proposed expansion of D. Vickers Hall, new parking lot, and pedestrian path. Anticipated utilities were water, gas, telephone, cable, and fiber optic. Prior to Quality Level A and B services, extensive Quality Level D records research was completed to aid in the subsequent SLIE design.								
11/21 – 03/22	Project No. 20-2057 – LA 30 Roundabouts Subsurface Utility Investigation (Tanger Mall and I-10) SUE Engineer. This project involved ASCE 38-02 Quality Level A SUE and utility surveying to identify utility conflicts for all utilities owned by the City of Gonzales and the proposed LA 30 Roundabouts at Tanger Mall and I-10 in Ascension Parish. Prior to Quality Level A services, extensive Quality Level D records research was completed to aid in the subsequent SUE design. This effort required detailed record research, field investigations and data management. The accurate location of these utilities was critical to alleviate disruptions to utility services and conflicts and delays to the construction of the project in this heavily congested								
10/21 Ongoing	Durnara Avanua Drainaga	Improvemente							
	Project Manager / SUE Engineer of Record. This project involved a Topographic Survey and Subsurface Utility Engineering designating (Quality Level B) and locating services (Quality level A) in accordance with ASCE 38-02 for all utilities owned by the City of Gonzales. Prior to Quality Level A and B services, extensive Quality Level D records research was completed to aid in the subsequent SUE design. The overall efforts established an extensive topographic survey and Quality Level B map with Quality Level A information throughout the project corridor. The accurate location of these utilities was critical to allow for the proper design of the drainage system.								
10/21 – 02/22	LA DOTD Project No. H.009266.5 – I-10: LA 73 - LA30 Project Manager. LA DOTD was preparing plans to widen I-10 from 4 to 6 lanes from LA 73 – to LA 30. This project involved Quality Level B SUE services at the LA73/I-10 interchange as well as Quality Level D services for the remainder of the project limits.								
01/20 – 11/20	LA DOTD Project No. H.002868.5 – I-49 South, Ambassador Caffery & US 90 Interchange Project Manager/QA/QC. This project involved providing designating (Quality Level B) and locating (Quality Level A) SUE services to map the underground utiliti within the project limits. In this congested corridor, the first task required mapping subsurface utilities along several mile of the Ambassador Caffery and US								

Page 65 of 107 Prime consultant name: Michael Baker International, Inc.

	right-of-way. After the completion of the Quality Level B investigation, this information was compiled and reviewed to conduct Quality Level A services on critical
	utilities in an effort to further aid in the design process.
01/18 – 05/20	LA DOTD Project No. H.004100.5 – I-10: LA 415 to Essen Lane on I-10 and I-12
	Project Manager / QA/QC. This project involved records research (Quality Level D) and designating (Quality Level B) SUE throughout the 10-mile project corridor
	were part of this project. The team developed a comprehensive map based on record collection and discussions with utility representatives. The design team used
	the preliminary utility map for reference to determine larger systems to avoid during preliminary design.
10/16 – 08/17	LA DOTD Project No. H.010560.5 – Essen Lane Widening (Route LA 3064), Perkins Road to I-10b
	Assistant Project Manager. This project involved designating (Quality Level B) and locating (Quality Level A) SUE services to map the underground utilities within
	the project limits. This corridor is one of the most congested roads in Baton Rouge with utilities servicing business and medical facilities. All utilities inventoried
	were useful in helping the designer to fully understand the available space for the new construction and the impacts. Utility coordination services were provided to
	identify and resolve utility/design conflicts. Utility coordination was complicated due to the need to minimize right-of-way acquisition.
07/15 – 12/21	LA DOTD Project No. H.004273.5 – I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange)
	Project Manager/QA/QC. This project involved ASCE 38-02 Quality Level A and B services to map the underground utilities within the project limits spanning 7
	miles of downtown Lafayette. Prior to Quality Level B activities, an extensive Quality Level D records-based map was created to aid in the preliminary design. This
	effort required multiple field leaders, detailed field data management, and constant oversight. After compiling the Quality Level B map, Quality Level A portion of
	the project was started in an effort to establish elevations on critical utility systems as well as unknown utilities found in the Quality Level B mapping. The overall
	efforts established an extensive Quality Level B map with Quality Level A information throughout the project corridor in combination with the Utility Coordination
	to keep utility owners aware of the mapping progress.

Firm emplo	oyed by	SJB Group, LLC							
Name	Kenne	eth Gaines		Years of relevant experience with this employer					
Title	SUE Te	chnician III		Years of relevant experience with other employer(s) <a>7					
Degree(s) / Years / Specialization				N/A					
Active regis	stration i	number / state / expiration d	ate	N/A					
Year regist	tered	N/A	Discipline	N/A					
Contract ro	ole(s) / b	rief description of responsibi	lities	SUE TECHNICIAN III					
Mr. Gaines the United knowledge utility field r	Mr. Gaines has over eight years of experience as a subsurface utility locator, on a variety of projects ranging from small rural areas to large utility congested urban cities across the United States. Mr. Gaines began his utility career as a field associate and has elevated himself to a senior field position due to his grasp of investigative best practices, knowledge of utility designating equipment, and attention to detail. In addition to his designating experience, Mr. Gaines is responsible for the supervision of field crews, conducting utility field meetings, performing intermittent QA/QC measures in field investigations, and determining the need for additional utility investigations for projects.								
Experience (mm/yy–mr	e dates m/yy)	Experience and qualification should cover the time spectrum spectr	ons relevant to the cified in the applica	proposed contract; <i>i.e.</i> , "designed drainage", "designed ble MPR(s).	girders", "designed intersection", etc. Experience dates				
3/23 – Ong	going	City Parish Project No. 20 SUE Technician. This project	- DR-US-0092 - Jon ect includes Quality	nes Creek Channel Improvements / Level B and D subsurface utility designating for the chan	nel improvements project.				
5/23 – 5	5/23	Ben Hur Roadway Improv	vements		·····				
40/04 0		SUE Technician. This proje	ect involved Quality	Level A and B subsurface utility designating for location	of the LSU gas main adjacent to the site.				
10/21 – On	ngoing	Air Liquide Pipelines							
2/23 - 2	2/23	MoveAscension Roddy Road at LA 933 Roundabout							
2,20 2	2/20	SUE Technician. This project involved Quality Level B subsurface utility designating for this project to locate all utilities for the design of improvements associated							
		with this roundabout project.							
1/23 – Ong	going	LSU Food Science							
		SUE Technician. Sub to Int	finity Engineers. T	his project involves Quality Level A and B subsurface util	ity designating for this project to locate all utilities for the				
4/00 4	1/00	design of a chilled water sy	stem.	-4-					
1/23 – 1	1/23	Engineers Canal Pump St	ation improveme	nts involved Quality Level B subsurface utility designating to	locate all utilities for the design of an enhanced drainage				
		numn system	iken. mis project	volved Quality Level D subsurface utility designating to locate all utilities for the design of an enhanced dramage					
12/22 – On	naoina	Sewerage and Water Boa	rd East Bank Was	tewater					
	55	SUE Technician. Sub to Infinity Engineers. This project involved Quality Level A and B subsurface utility designating for this project to locate all utilities for							
	design of utility improvements within the site.								
12/22 – 1	1/23 Cajun Industries Equipment Services Building Expansion								
SUE Technician. Sub to Ritter Maher Architects. This project involved Quality Level B subsurface utility designating for this project to locat									
10/00	4/00	expansion of Cajun's equipment services building.							
12/22 – 1/23 Sewerage and Water Board New Orleans Carrolton Water Plant									
		design of utility improvement	nnity ⊏ngineers. If hts within the site		ity designating for this project to locate all utilities for the				
8/22 - 8	8/22	Hawthorne Hollow Bridge	in Madisonville	A					
		Bridge							

Page 67 of 107 Prime consultant name: Michael Baker International, Inc.

	SUE Technician. This project involved Quality Level A subsurface utility designating and hydro-probing.					
8/22 - 8/22	Mandeville City Hall Lots 1A, 2A, and 3A					
	SUE Technician. Sub to Kelly McHugh and Associates, Inc. This project involved Quality Level B designating services.					
8/22 – 8/22	Siegen Lane School for Duplantis Design Group					
	SUE Technician. Sub to Duplantis Design Group. This project involved providing Quality Level A subsurface utility designating.					
08/22 – 2/23	Gillis Long Center in Carville, LA					
	SUE Technician. This project involves providing Quality Level B utility designating services for approximately 43,000 feet of underground water lines and various					
	other underground utility lines.					
5/22 – Ongoing	LA DOTD Project No. H.013797 – LA 30: EBR PL 1-10 (Part 1)					
	SUE Technician. Sub to Michael Baker, Inc. This project involves Quality Level D utility designating. SUE Technician was responsible for designating the order					
	of pipelines in the field for inclusion in the Quality Level D drawings.					
3/22 – 8/22	D Vickers Hall Renovations and Addition					
	SUE Technician. Sub to Holly & Smith Architects. This project involved ASCE 38-02 Quality Level A and B SUE services for all utilities for the proposed D.					
	Vickers Hall Expansion at Southeastern Louisiana University. Locations of the existing utilities are required to determine conflicts with the proposed expansion of					
	D. Vickers Hall, new parking lot, and pedestrian path. Anticipated utilities were water, gas, telephone, cable, and fiber optic. Prior to Quality Level A and B					
	services, extensive Quality Level D records research was completed to aid in the subsequent SUE design.					
4/21 – 7/22	LA DOTD Project No. H.009300.5 – Hooper Road Widening (LA 3034 – LA 37)					
	SUE Technician. This project involved a Topographic Survey and Subsurface Utility Engineering project for a one mile stretch of LA Hwy 408 in East Baton					
	Rouge Parish, LA. ASCE 38-02 Quality Level B was completed for the entire project corridor. Prior to Quality Level B services, extensive Quality Level D					
	records research was completed to aid in the subsequent SUE design.					

17. FIRM EXPERIENCE

The DOTD will benefit from our firm's project experience, which includes all the relevancies required for this project. We will leverage this experience, along with best practices to mitigate risk to the DOTD, prioritizing traffic control, safety, and schedule.

Michael Baker Projects

Page 70 of 107 Prime consultant n

-

Prime consultant name: Michael Baker International, Inc.

Firm name	Michael Baker				Past Performance Evaluation Discipline(s)*		Road, Bridge, Environmental
Project name	US 371: KCS RR Overpasses HBI				Firm responsibility (prime or sub?) F		Prime
Project number	H.012030				Owner's name	Louisiana Department of Transportation and Development	
Project location	Sibley & Minden, Louisiana; Webster Parish, Louisiana			Owner's Project Manager	Hamed Babaizadeh, PE		
Owner's address, phone, email 1201 Capitol Access Road Baton				on Rouge, Louisiana 70802 22	25-379-1033 Hame	ed.Babaizadeh@LA.GOV	
Services commenced by this firm (mm/yy) 11/21			Total consultant contract cost (\$1,000's)		\$694		
Services completed by this firm (mm/yy) Ongoing			Cost of consultant services provided by this firm (\$1,000's)		\$630		

Michael Baker was selected by DOTD to provide bridge, structural, and transportation services for the replacement of three bridges along US 371 at two locations in Sibley, LA and Minden, LA. All bridges span KCS Railroad at two locations along their rail line. The existing bridge at Sibley, LA was built in 1934 and is currently a three span, steel girder bridge for a total length of 120' resting on concrete substructure. Bridge has sidewalks on both sides of the bridge and ties to existing sidewalks along the route. US 371 is a minor urban arterial with roughly 9% truck traffic along the route. Michael Baker design team is tasked with determining the most efficient and cost-effective bridge to replace the existing structure. A bridge structure report is required to determine if the new bridge will either be concrete or steel girder type. The new structure and road improvements will meet the latest DOTD design guidelines. One of the challenges at this location is the grade difference between the bridge and existing properties with the railroad underneath. Coordination with KCS railroad will help determine the final location of the bridge foundations in relationship with the rail line.

The two bridges at Minden, LA serve as part of the I-20 interchange at US 371. The bridges were built at different times around 1930 and both bridges are three span, steel girder bridges. One bridge is normal skew to the roadway while the other bridge was built on a skew aligning with the rail line. Like the Sibley site, US 371 is considered a minor urban arterial with roughly 9% truck traffic. Similar to the Sibley bridge, the design team will prepare a bridge structure report determining the most efficient and cost-effective bridges while minimizing impact to the local traffic. Being located at an interchange, additional challenges for these bridge replacements is the maintenance of traffic, phase construction, and shifting of traffic. At this location, one bridge will be removed and replaced while reducing travel to one-lane on the other bridge to keep roadway open to existing traffic. Design team is tasked with determining if the new bridge will be concrete or steel girder type while maintaining minimal adjustment to the existing roadway grade to reduce the amount of roadway necessary to tie to existing roadway.

Vectura Consulting Services, LLC is a sub-consultant to Michael Baker on this project and show coordination and collaboration efforts between firms.

Team Members: Daniel Thornhill, PE | Brandon Pitre, PE | Alison Gonzalez, PE | Jeffery McRae, PE | Shalin Sheth, PE | Eric Erikson, PE | Alexis Harrouch, El



RELEVANT TO IDIQ

- Roadway Design
- Railroad Coordination
- Structural/Bridge Design
- Hydraulics/Drainage
- Environmental Permitting

Firm name	Michael Ba	aker ^{0 n a l}		Past Performance Evaluation Discipline(s)*	Road, Environmental	
Project name	Barksdale Air	r Force	Base Entrance Roads (Design-Build)	Firm responsibility (prime or sub?)	Prime	
Project number	N69450-16-D-0	100		NAVFAC SE		
Project location	Bossier Parish			Owner's Project Manager	Sarah Reed	
Owner's address, phone, email 334 Davis Avenue West, Suite 105, Barksdale AFB, LA 71110 318-243-3902 sarah.m.reed16.civ@us.navy.mil						
Services commenced by this firm (mm/yy)			08/22	Total consultant contract cost (\$1,000's)		\$2,031
Services completed by this firm (mm/yy)			05/23	Cost of consultant services provided by this firm (\$1,000's)		\$1,918

Michael Baker completed in May 2023 an alternative delivery design-build for Barksdale Air Force Base's entrance roads, coordinating with the owner and DOTD as well as obtaining the required project permits.

The Michael Baker design team developed construction plans per DOTD Design Guidelines and Standard Specifications. The beginning of the project is a direct tie to LA 1267 where it terminates after the KCS railroad crossing bridge constructed under the DOTD I-20/I-220 Design Build project. The roadway extension (BAFB Road) will continue as a four-lane divided highway as it enters the base property where it will transition to a new multi-lane roundabout. The roundabout is placed before the new base entrance gates and will allow for motorists that inadvertently exited onto LA 1267 to make a U-turn and return back towards the I-20/I-220 interchange without having to enter the Air Force Base. The new portion of BAFB Road is being built on the base property where a Corporate Endeavor Agreement was developed under the DOTD Design-Build project to allow for the completion of the roadway before entering the gates of the Air Force Base.

The Michael Baker design team has coordinated directly with DOTD I- 20/220 Project Manager, Corey Landry, and with DOTD I-20/220 Owner Verification Consultant Project Manager, Gordon Nelson. Additional requirements by the design team were to develop temporary traffic control (TTC) plans since the I-20/220 project was completed before this project was able to be constructed. The TTC plans identified one construction entry point along Ramp "EB-SB" and two construction exit points along Ramps "NB-EB" and the "C-D" road. Additionally, a project permit was prepared and submitted to DOTD District 4 for approval once DOTD gave verification of 100% acceptance of the project design.

The Michael Baker Environmental team was responsible for the transfer of the I-20/I-220 USCOE Permit from DOTD to the NAVFAC SE (owner of project). Additional efforts were done by the environmental team in regards to the requirements of the SWPPP, local parish permitting requirements, and coordination with DEQ in regards to water quality permits and requirements.

Team Members: Daniel Thornhill, PE | Brandon Pitre, PE | Eric Erikson, PE, CFM | Alexis Harrouch, El | TJ Holliday | Elizabeth Brock | Stephen Martin





RELEVANT TO IDIQ

- Roundabout Design
- 4-Lane Divided Highway
- Hydraulics/Drainage
- Environmental Permitting
| Michael Baker was selected to perform the Environmental Assessment for the widening of LA 30 from |
|-----------------------------------------------------------------------------------------------------------|
| the East Baton Rouge Parish line to Interstate 10. LA 30 is currently a mixture of two-lane and threelane |
| roadway with residential, industrial, and commercial developments. LA 30 corridor is experiencing rapid |
| growth in the industrial and retail commercial businesses. |

Additionally, DOTD is currently performing an environmental study for the construction of a new

Mississippi River Bridge which may tie close or directly with LA 30. Specific coordination is between the LA 30 and Mississippi River Environmental teams is crucial to make sure both project progress without major issues. Atlas is currently working on the Mississippi River project and Michael Baker on LA 30 Corridor. Current

Coordination and Collaboration between both firms and proximity to LA 429

Connector will provide efficient and seamless development of environmental document.

The environmental study is broken into two Phases: PEL Study Part 1 and PEL Study Part 2. Michael Baker's responsibilities

include Traffic Impact Study, Line & Grade, Environmental Field Data Collection, SUE Services, and Environmental Documentation. The Traffic Study portion of the project requires the team to collect existing traffic counts along LA 30 along with turning movements at driveways. Michael Baker team will use the traffic counts to determine recommendations for

the required improvements to carry forward during the study phase. Michael Baker team will host public involvement meetings to gather public input for the recommended alternatives. The public comments will be incorporated into the final documentation of the Environmental Assessment Document. The Michael Baker team will conduct SUE services due to the number of industrial pipelines that parallel LA 30 on both sides of the road. As part 2 of the PEL Study, the Michael Baker team will develop the environmental assessment document. An initial document will be created and reviewed during the public involvement process and after finalizing addressing public comment, the final document will be developed and published. Once FHWA finds a record of decision (ROD) and Finding of No Significant Impact (FONSI), the Environmental Assessment document will be published and distributed to the public for final record.

Team Members: Daniel Thornhill, PE | Brandon Pitre, PE | Alison Gonzalez, PE | Chris Gesing, PE | Eric Erikson, PE, CFM | Aaron Dunavant, PE | Alexis Harrouch, EI | Justin West, El, CFM | Afaq Durrani | TJ Holliday | Elizabeth Brock | Stephen Martin

RELEVANT TO IDIQ

- Corridor Development
- Utility Coordination
- Hydraulics/Drainage
- **Environmental Clearance**



e t	POOL RECT
	DOTD
V	LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT
e t	STPERIENCE

TO PPO

Firm name	Michael Baker		Past Performance Evaluation Discipline(s)*	Road, Environmental			
	INTERNATIONAL		,				
Project name	LA 30: EBR PL – I-10			Firm responsibility (prime or sub?)	Prime		
Project number	H.013797		Owner's name	Louisiana Department of Transportation and Development			
Project location	East Baton Rouge Parish,	Louisiana	Owner's Project Manager	Joseph Brown, PE			
Owner's address,	phone, email	1201 Capitol Access R	Road, Baton Rouge, LA 70802 225-379-1493 Joseph.Brown@LA.GOV				
Services commenced by this firm (mm/yy) 04/22		Total consultant contract cost (\$1,000's)		\$1,054			
Services completed by this firm (mm/yy) Ongoing		Cost of consultant services provided by this firm	m (\$1,000's)	\$387			

Firm name	Michael Baker			Past Performance Evaluation Disc	Road, Bridge, Environmental		
Project name	Infrastructure Investment a Program – District 07 – Init	and Jobs Act (II ial Services and	Firm responsibility (prime or sub?)	Prime			
Project number	H.015338	Owner's name		Louisiana Department of Transportation and Development			
Project location	District 07 Parishes, Louisiana	·		Owner's Project Manager	Amanda Ranck, PE		
Owner's address,	phone, email 1201 Ca	pitol Access Road	Baton Rouge, Louisiana 70	0802 225-379-1338 Amanda.Rand	k@LA.GC	VV	
Services commenced by this firm (mm/yy) 10/22 Total consulta			Total consultant contract	cost (\$1,000's) \$2,450			
Services complete	ed by this firm (mm/yy)	Ongoing	es provided by this firm (\$1,000's)	\$1,450			

Michael Baker was selected by DOTD to provide bridge, roadway and environmental services for the replacement of off-system bridges in the five parishes (Allen Parish, Beauregard Parish, Calcasieu Parish, Cameron Parish and Jefferson Davis Parish) located in DOTD District 07. This off-system bridge program is being 100% funded by the recently passed IIJA bill. DOTD allocated \$30.3 million of funding for District 07 for the implementation cost (construction, design, mitigation, right-of-way acquisition and utility relocation) for the replacement of bridges in this district. Structures will be replaced with Culvert(s), Box Culvert(s), or Slab Span Bridges that are available in DOTD Standard Plan catalog.





qualify for the IIJA funding. Michael

District 07 currently has 62 bridges classified as in poor condition with another 11 classified as fair condition that

Baker's initial scope was to meet all five parish representatives (Parish Engineers or Policy Jury) to determine the bridge replacement priority list. After meeting with Parishes, Michael Baker reviewed each bridge on the priority list against the inspection reports provided in the DOTD Asset Management Portal. The inspection reports were used to determine the type of bridges being replaced and to help determine if additional right-of-way (ROW) would be required and if utilities need relocation.

Two deliverables were required for the initial phase: Preliminary Screening Matrix (PSM) and Recommended Bridge Structure List (RBSL). The Preliminary Screening Matrix took into account a variety of constraints: environmental, design, ROW, and utility relocations. Michael Baker team used available database resources or meeting with agencies to determine the environmental constraints not limited to Archaeological sites, Tribal Lands, Wetlands, T&E Species, Section 4(f) and 6(f) lands, etc. These constraints were used to help determine if bridge priorities needed adjustment. Based on the PSM, the RBSL was developed based on the implementation cost for each structure.

Michael Baker received NTP in May 2023 for Additional Services that includes the construction plan preparation of 12 bridges for District 07. Additional work includes Topographic Surveys, ROW mapping, Stream Hydraulics/Hydrology, determine bridge structure (slab span, box culvert, or culvert) based on hydraulic analysis, Preliminary and Final Plans, along with Environmental Clearance. Program delivery is expected to follow compressed timeline with removal of some of the traditional submittals that will follow very similar to this IDIQ contract.

RELEVANT TO IDIQ

- Roadway Design
- Bridge Design
- Roadway Drainage
- Construction Plans w/ Compressed Schedule

Firm members involved include: Daniel Thornhill, PE | Brandon Pitre, PE | Alison Gonzalez, PE | Eric Erickson, PE, CFM | Shalin Sheth, PE | Aaron Dunavant, PE | Alexis Harrouch, El | Justin West, El, CFM | Afaq Durrani | TJ Holliday | Stephen Martin

Firm name	Michael Baker	Ľ			Past Performance Evaluation Disc	Bridge			
Project name	Pecue Lane/I-10 Ir	nterchang	ge		Firm responsibility (prime or sub?) Sub				
Project number	S.P. 700-17-0221		Owner's name		City of Baton Rouge East Baton F	Rouge Par	ish Department of Public Works		
Project number	CP 09-CS-US-0041		Owner S hame		Engineering Division				
Project location	East Baton Rouge Pa	arish			Owner's Project Manager		Fred Raiford		
Owner's address,	Owner's address, phone, email 222 Saint Louis St			Rouge, LA 70802, 225-389	-3158, fraiford@br.gov				
Services commenced by this firm (mm/yy) 03/16			03/16	Total consultant contract cost (\$1,000's) \$825		\$825			
Services completed by this firm (mm/yy) Ong			Ongoing	Cost of consultant services provided by this firm (\$1,000's) \$					

Michael Baker is sub-consultant to the Prime Consultant, Shread – Kuyrkendall & Associates for design of twin bridges over Interstate 10 constructed in conjunction with a Diverging Diamond Interchange. Scope of work includes design of girder span bridges including substructure and super structure. Michael Baker's responsibilities include the development of preliminary and final engineering plans for the construction of the bridge structures and retaining walls needed for the new I-10 interchange with multiple through and turn lanes on Pecue Lane, an entrance ramp and exit ramp on eastbound I-10, an entrance ramp and exit ramp on westbound I-10, replacing the current two lane overpass bridge, replacing the Pecue Lane/Wards Creek Bridge, and other work within the limits of the project. An extension to Reiger Road with a new intersection with Pecue Lane is included. Pecue Lane is the first Diverging Diamond Interchange along Louisiana Interstate System. limits.

Design for the project wrapped up in late 2019. Michael Baker services were retained by East Baton Rouge Parish to provide construction support in regards to reviewing RFIs and Shop Drawings for the Phase II Construction. Construction for Phase II was wrapped up in 2022 and Phase III Construction was let in November of 2022. Michael Baker is currently providing the same construction support services as in the Phase II Construction.

The project was done as part of the original Green Light Plan roadway improvement program. Project followed the NEPA process in order to gualify for Federal and State funds. Project was designed under the direction of the Green Light Plan with DOTD coordination to

make sure the project followed DOTD specifications and standard plans. DOTD was responsible for letting the construction for Phase II and Phase III.

Team Members: Daniel Thornhill, PE | Brandon Pitre, PE







- Bridge Design
- Followed DOTD Design Guidelines and Specifications
- Construction Plans w/ Compressed Schedule

Vectura Consulting Services, LLC Projects



Firm name	Vectura Consulting	Services, LLC	Past Performanc	* Tra	affic	
Project name	I-2 to Bush – LA 3	241 (I-12 – LA 36) Corridor Study	Firm responsibility (prime or sub?)			b
Project number	H.004957.5		Owner's name Louisiana Department of Transportation and Development			
Project location	Lacombe, LA		Owner's Project	Joachim C Umeozulu	и, PE	
Owner's address,	phone, email	1201 Capitol Access Road, Baton Rouge LA 70802	(225) 379-1386 J	oachim.umeozulu@la.gov	1	
Services commenced by this firm (mm/yy) 09/16			Total consultant contract cost (\$1,000's)			\$1,895
Services completed by this firm (mm/yy) 05/17			Cost of consultar	nt services provided by thi	s firm (\$1,000's)	\$84

As part of the DOTD TIMED program, Vectura prepared a formal traffic study for the new alignment of LA 3241. The traffic study examined concepts that improved the safety and efficiency of the roadway consistent with the latest DOTD policies related to access management and complete streets. The study included analyses for intersection and corridor improvements such as median openings, spacing of openings, signalized, unsignalized and roundabout intersections.

Task 1 Data Collection

Vectura collected the following traffic data for 10 intersections:

- 7-day (mainlines) and 2-day (side streets) 24-hour tube counts with vehicle classification
- Turning movement counts for morning and evening peak periods
- 15-minute driveway counts
- Traffic Signal warrants, radar speed studies and sight distance evaluation
- Developed growth rate methodology and AM and PM peak forecast traffic volumes

Task 2 Traffic Study

This task included a roundabout study as defined in EDSM VI.1.1.5, VI.1.1.1 and DOTD Traffic Engineering Manual Section 20.2. This task included the following elements:

- Performed Vistro and Sidra analyses for existing conditions
- Performed Vistro and Sidra analyses for Implementation and Design Years.
- Intersection alternatives included restricted median openings, signalized and unsignalized intersections, median U-turns at existing signal locations, restricted crossing U-turn (RCUT) intersections, and roundabouts
- Developed Vissim model of the preferred corridor layout
- Developed Draft Traffic Study Report (3 copies)

Task 3 Safety Analyses

• Developed 3-year crash analyses report as per DOTD standards

Personnel Utilized on this project: Brin Ferlito, Bridget Robicheaux and Laurence Lambert (100% performed in Louisiana)





- Traffic Design
- Corridor Analysis
- Traffic Data Collection

Firm name	Vectura Consulting Services, LLC		Past Performance Evaluation Discipline(s)*	Traffic			
	East Baton Rouge Parish MOVEBR (\$912 Million Doll						
Project name	Program	Firm responsibility (prime or sub?)	Sub				
Project number	CP No. 19-CS-HC-0001	Owner's name East Baton Rouge Parish					
Project location	Baton Rouge, LA		Owner's Project Manager	inager Tom Stephens,			
Owner's address,	phone, email 1100 Laurel Street Baton Rouge, LA 708	802 (225) 38	9-3186 ext 5634 TStephens@brla.gov				
Services commenced by this firm (mm/yy) 07/19 Total cor			tant contract cost (\$1,000's)	Unknown			
Services complete	d by this firm (mm/yy) Ongoing	Cost of cons	ultant services provided by this firm (\$1,000's	\$873			

As part of the East Baton Rouge Parish MOVEBR (\$912 Million Dollar) Program, Vectura currently provides traffic engineering services for all Capacity Projects. Vectura routinely collaborated with EBR Parish and DOTD Stakeholder such as Section 27, Safety Section, and DOTD District 61. The primary task was to peer review all traffic-related deliverables from consultants for 25 capacity projects to date. Submittal review in various stages included but not limited to the following:

Scope

- Purpose and need, contract scopes, manhours and fees Data Collection
- Raw tube counts, peak period determination, signalized / unsignalized intersection turning movement counts, unmet demand, explanation for any count discrepancies, speed data, peak period observations, geometric field documentation, sight distance, warrants analyses

Design Year Volume Development

• Travel Demand Model data, Growth rate methodologies in accordance with NCHRP 765, design year volume development

Existing and No Build Analyses

- HCS, Synchro, SIDRA, VISSIM, analyses for existing and No Build conditions based on traffic volumes, lane usage, truck percent, required SIDRA roundabout settings, speed, and Traffic Signal Inventory form information
- · CATScan, collision diagrams, conflict points, crash analyses report as per DOTD standards
- Defined problems

Tier 1

- Preliminary high-level list of alternatives based on defined problems and established comparison criteria. Build Year Alternative Analyses
- Reviewed traffic volume redistribution, alternative conceptual layouts included access management, restricted median openings, signalized /unsignalized intersections, median U-turns at existing signal locations, RCUT intersections, and roundabouts
- Turn lane calculations, AutoTURN, construction cost estimates

Design

- Confirmed design plans matched recommendations in the Traffic and Design Studies
- Reviewed construction plans including geometric layout, striping, signs, roundabout and traffic signal design
- Plan in Hand, coordinated with EBR TED, DOTD, utilities, consultant team

Personnel Utilized on this project: Brin Ferlito, Laurence Lambert, Bridget Robicheaux, Reece Rodrigue, Kristen Farrington and Clara Foshee (100% performed in Louisiana)

Page 78 of 107 Prime consultant name: Michael Baker International, Inc.

- Traffic Study
- Traffic Signal Plans
- Traffic Management Plans

Firm name	Vectura Consulting S	ervices, LLC	Past Performance	Traffic			
Project name	LA 1 at LA 990 Cros	swalk Study and Traffic Signal D	esign	Firm responsibility	Prime		
Project number	H.011558			Owner's name	Louisiana Department of Transportation and Development		
Project location	Addis, LA			Owner's Project Manager Kevin Durbi			PE, AICP
Owner's address,	phone, email 88	30 N. Alexander Avenue Port Allen, LA	70767 (225)	336-2434 Kevin.D	urbin@wbrcouncil.org		
Services commenced by this firm (mm/yy) 11/20			Total consultant contract cost (\$1,000's)			\$22	
Services completed by this firm (mm/yy) 12/21			Cost of consultant services provided by this firm (\$1,000's) \$22				

Vectura was hired by West Baton Rouge Parish to perform a Crosswalk Traffic Engineering study and to develop Traffic Signal Design plans for the intersection of LA 1 and LA 990 (Addis Lane) in Addis, LA. The crosswalk was first conceptualized as part of a trail that connects the Mississippi River Trail to points west of LA 1 in the West Baton Rouge Parish Comprehensive Plan (PlanWEST) dated 9/22/11 as well as included in a Stage 0 report titled CMAQ Proposal WBR-2 dated 04/30/14.

A Crosswalk Traffic Engineering Study was performed based on the Traffic Engineering Manual (TEM) Section 3B.2.9, Section 20.2 & EDSM VI.3.1.6 Section 5 and included the following elements:

- Collected 24-hour traffic approach volumes, speed data, crash history and sight distance
- Collected AM and PM peak hour vehicle and pedestrian turning movement counts
- Developed safety analyses using 3-year crash data from Crash1 as per DOTD standards
- Performed pedestrian crosswalk warrants as per TEM Section 3B.2.9
- Performed AM and PM Peak signal timing and progression for existing conditions
- Performed AM and PM Peak signal timing and progression for future conditions

Traffic Signal Construction Plans was performed for LA 1 at LA 990 based on the latest DOTD Traffic Signal Inventory v3.2, DOTD Signal Design Manual, MUTCD & EDSM VI.3.1.6 Section 5. This task included signal timing parameter calculations, signal equipment layout, wiring diagram, DOTD pay items, estimated quantities and construction cost.

Vectura also assisted with the DOTD Permit Request for Intersection Control Devices on a State Right of Way

Personnel Utilized on this project: Brin Ferlito, Reece Rodrigue, Laurence Lambert and Bridget Robicheaux (100% performed in Louisiana)





- Roundabout Marking Plans
- Temporary Traffic Signal Design

SJB Group, LLC Projects



Firm name		Y D I S I G N	Past Performance E	Survey, Other (SUE)				
Project name	Hooper Road Widen	ing (LA 3034-LA 37)		Firm responsibility (prime or sub?)			Prime	
Project number	H.009300.5			Owner's name Louisiana Department of Transportation and Development				
Project location	East Baton Rouge Paris	sh		Owner's Project Ma	c, PLS			
Owner's address,	phone, email 12	01 Capitol Access Road, Baton Roug	e, LA 70802	(225) 379-1292 Stev	e.LeBlanc2@LA.gov			
Services commenced by this firm (mm/yy) 03/22 T			Total consu	Total consultant contract cost (\$1,000's)				
Services completed by this firm (mm/yy) 08/22 Cost of cc				Cost of consultant services provided by this firm (\$1,000's) \$2				

SIB Group has performed several iterations of Topographic Survey and Subsurface Utility Engineering (SUE) for LA DOTD for the Hooper Road widening project. This submittal included the segment of Hooper Road from Sullivan Road (LA 3034) to Greenwell Springs Road (LA 37).

A complete Topographic Survey including all utilities with depths, all drainage, and finish floor elevations of all buildings that fell within the limits was completed in accordance with the Location and Survey Manual and all currently accepted Location and Survey Automation procedures.





The total survey included: approximately 1 mile (5100 feet) on N Causeway Boulevard from Brookside Drive to Highway 22, approximately 0.7 miles (3700 feet) on Highway 22 from Dalwill Drive to North Causeway Boulevard, approximately 0.3 miles (1600

feet) on Dalwill Drive from West Causeway Approach to Highway 22, approximately 0.3 miles (1600 feet) on West Causeway Approach centered on Dalwill Drive, and approximately 0.3 miles (1600 feet) on 1st Street going north from Highway 22.

The project also required ASCE 38-02 SUE Quality Level "D", Quality Level "C", and Quality Level "B" services throughout portions of the project limits. Utilities included water, gas, telephone, cable, and fiber optic. Above ground topographic features were surveyed by SJB Group. This information and the utility records were used to complete the drawings prepared in accordance with ASCE 38-02 standards. Engineering judgement was used to correlate records and above ground surveyed features. Due to the iterations of the project, additional utility records were analyzed to determine new utilities installed along the roadway to be added to the previous records and plans.

RELEVANT TO IDIQ

- Topographic Survey
- SUE Quality Level "D"
- SUE Quality Level "C"
- SUE Quality Level "B"
- Knowledge of accepted Location and Survey Manual, Location and Survey Automation, ASCE, and other LA DOTD standards.

Team Members: Matthew Estopinal, PE, PLS | Karen Kennedy, PE | Austin LaCombe, PE | Colby Mire, PLS | Kenneth Gaines



Firm name		Y D I S I G N	Past Performance B	Survey, Other (SUE)				
Project name	ect name I-110: North Street to Plank Road				Firm responsibility (prime or sub?)			
Project number	H.010319.5		Owner's name Louisiana Department of Transportation and Development					
Project location	East Baton Rouge Paris	sh		Owner's Project Manager Steve LeBlanc, PLS				
Owner's address,	phone, email 12	e, LA 70802	(225) 379-1292 Stev	ve.LeBlanc2@LA.gov				
Services commenced by this firm (mm/yy) 10/21 To			Total consultant contract cost (\$1,000's)			\$188		
Services completed by this firm (mm/yy) 05/22 Cos			Cost of cons	sultant services provid	ded by this firm (\$1,000's)	\$188		

SJB Group performed a limited Topographic Survey and Subsurface Utility Engineering (SUE) as a sub-consultant to Buchart Horn in order to assist with the lighting design for this LA DOTD project.

A limited Topographic Survey including all utility with depths, all drainage, and finish floor elevations of all buildings that fell within the limits was completed in accordance with the Location and Survey Manual and all currently accepted Location and Survey Automation procedures.

The project also required ASCE 38-02 Quality Level "D" and Quality Level "C" services throughout the project limits. Identified utilities included water, gas, telephone, cable, and fiber optic. Above ground topographic features were surveyed by SJB Group. This information and the utility records were used to complete the Quality Level "C" drawings prepared in accordance with ASCE 38-02 standards. Engineering judgement was used to correlate records and all surveyed above-ground features. The close proximity to the interstate and the presence of several fiber optic systems made executing the work performed a challenge.

Team Members: Matthew Estopinal, PE, PLS | Karen Kennedy, PE | Austin LaCombe, PE | Colby Mire, PLS





- Topographic Survey
- SUE Quality Level "D"
- SUE Quality Level "C"
- Knowledge of accepted Location and Survey Manual, Location and Survey Automation, ASCE, and other LA DOTD standards.

Firm name	n name GROUP, LLC			Past Performance Evaluation Discipline(s)*				
Project name	MoveBR Nicholson Segment 2 (Bun Hur to Bluebonn	Firm responsibility (Sub					
Project number	20-CP-HC-0032		Owner's name	East Baton Rouge Parish				
Project location	East Baton Rouge Parish		Owner's Project Manager Tom Stephe			s, PE		
Owner's address,	phone, email 1100 Laurel Street Baton Rouge, LA 70	802 (225) 38	39-3186 ext 5634 TS	tephens@brla.gov				
Services commenced by this firm (mm/yy) 03/21			Total consultant contract cost (\$1,000's)					
Services completed by this firm (mm/yy) 05/22			Cost of consultant services provided by this firm (\$1,000's) \$					

SJB Group is performing a Topographic Survey, Subsurface Utility Engineering (SUE), Property Surveys, and Right-of-Way mapping of a 4.1 mile stretch of Nicholson Drive (LA 30) from Bluebonnet Boulevard to Ben Fur Road in East Baton Rouge Parish, Louisiana for a City-Parish widening project.

The Topographic Survey was completed with all principles and objectives set forth in the latest LA DOTD Location and Survey Manual and MoveBR Design Guidelines. A complete inventory of drainage channels was included for preparation of an existing drainage map by Volkert.

The property survey and right-of-way mapping will include two sets of maps as necessary because the project includes both DOTD and East Baton Rouge Parish rights of way. All property surveys and right-of-way mapping will be completed using the Standards of Practice for route surveys as outlined in the Laws and Rules of the Louisiana Professional Engineering and Land Surveying Board, and in accordance with both the MoveBR right-of-way guidelines and LA DOTD Location and Survey Manual.

This project includes Quality Level "B" and "A" SUE services within the project limits. Anticipated utilities are water, gas, telephone, cable, and fiber optic. Appropriate geophysical methods were used to properly designate all underground utilities. The designations and above ground features were surveyed by SJB Group. This information and the utility records were used to

complete the Quality Level "B" Drawings prepared in accordance with ASCE 38-02 standards. Any conflicts between records and geophysical markings were resolved through additional records research and engineering judgement. After completion of additional design, any potential conflicts will be located with a Quality Level "A" test hole. The test hole will include precise information on the location, depth, size, and type of utility. A sealed and signed test hole data sheet will be provided in accordance with ASCE 38-02 standards.

RELEVANT TO IDIQ

- Topographic Survey
- Right-of-Way Mapping
- Property Survey
- SUE Quality Level "B"
- SUE Quality Level "A"





Team Members: Matthew Estopinal, PE, PLS | Karen Kennedy, PE | Austin LaCombe, PE | Matthew Estopinal, PE, PLS | Colby Mire, PLS

18. APPROACH AND METHODOLOGY

LADOTD will benefit from Michael Baker's IDIQ experience. Michael Baker team have successfully delivered more than \$13M in IDIQ task orders in the past eight years in various services for DOTD. We will utilize Michael Baker's years of DOTD project experience to seamlessly provide the services on the DOTD IDIQ for Design Services for District 03..

In response to the Scope of Work in the Advertisement, we have outlined the approach and methodology the Michael Baker team will utilize to successfully deliver IDIQ task orders for development of Roadway Construction Plans.

PROJECT UNDERSTANDING | It is understood that this contract is an IDIQ for a duration of five (5) years; all work must be completed within the 5-year period. Under the IDIQ, separate Task Order(s) (TO) will be assigned for various types of Design Projects for District 03. Each TO will have a DOTD Project Manager which will be our main point of contact. TO's could include not only roadway design services but also require bridge design, drainage structures design, traffic signal analysis, traffic signal design, Traffic Management Plans (TMPs), Environmental Permit assistance, and topographic surveys with right-of-way mapping.

IDIQ EXPERIENCE | The Michael Baker team consists of design staff that have worked on numerous IDIQ contracts, either at their current employment or at previous employment. The range of IDIQs the teams have worked on span from Stage 0, Stage 1, Stage 3 and Stage 5. Having a team with this overarching work experience and working relationships with DOTD Headquarters, DOTD Districts and Local Public Agencies (LPA), will provide for a successful completion of task orders as they are assigned.

AVAILABILITY | With current workload and available staff, Michael Baker's Team is ready to tackle Task Orders as they are assigned. If multiple task orders are assigned at a time, Michael Baker's team has plenty of depth to address the needs and schedule of DOTD to meet critical, compressed schedules and funding deadlines. This availability is shown in Section 13 with the assigned additional Project Managers, Design Engineers, Surveyors, and Technicians staff ready for immediate available to commence work.

MEET THE TEAM | The MBI Team includes multiple consultants chosen for their experience and bench strength and familiarity with DOTD and local entity projects. The Michael Baker staff has many years of experience not only working on DOTD projects but also experience working with local parish governments/municipalities on similar projects as per the advertisement. Our Team includes:

Michael Baker







Michael Baker International (Michael Baker) | A leading provider of engineering and consulting services across the country that has helped DOTD effectively and efficiently reach their goals for more than 15 years. Michael Baker has and is currently working on Road, Bridge, Environmental, Watershed, Aviation and CE&I projects that include Traditional, IDIQ contracts, staff augmentation service IDIQ contracts, and Design-Build IDIQ contracts. Current staff of Michael Baker has worked on over 100 roundabouts in either design, feasibility studies, and line and grades for environmental assessments.

Vectura Consulting Services, LLC (Vectura) | Between the two principals of Vectura, they have over 60 years of experience in traffic data collection, intersection / interchange analysis, microsimulation modeling, corridor analysis, roundabout analysis, and traffic impact studies. Collectively, Vectura has six (6) professional engineers (PE's) licensed in Louisiana and five (5) certified PTOE's. All six of Vectura's Professional Engineers have taken the three modules of the DOTD Traffic Engineering Process and Report class. Vectura has a deep bench of traffic engineers who each can conduct a traffic impact study which allow multiple traffic studies to be performed simultaneously.

SJB Group, LLC (SJB) An established professional services firm that offers expertise in topographic surveying and right-of-way mapping. Additionally, SJB provides SUE services in addition to the ability to perform roadway design, hydraulics/drainage, and plan preparation.

-						Duration Established During Scoping Phase									
	Contract Management				Pre-Construction Plans										
IDIQ DESIGN SERVICES					Execute	Kickoff			00% /	Final			Final Decian	Stage 4: Project	Stage 5:
(Full Size Plan Design &		01/05 0	Destant	Develop Scope	Contracts/	Meeting/ Pre	Review As-Builts/Services to	60%	PIH 100%	Plans	60%	90% /	100% Calculations	Letting (DOTD)	Support
Pavement Preservation	IDIQ Award	Submittal	Identified	Task Order)	Issues NTP	Conference	DOTD		Review	NTP		ACP	Book		
Design)							Topographic Surveys								
282 8							Environmental/Perr	mitting	Cleared						

Above is Michael Baker's proposed schedule and milestones for the delivery of a typical Task Order on this IDIQ contract.

Page 84 of 107 Prime consultant name: Michael Baker International, Inc.

CONTRACT MANAGEMENT

IDIQ ROADWAY DESIGN SERVICES CONTRACT | AWARD

Within 10 days of award notification, Michael Baker will provide the DOTD Project Manager with our teams' QA/QC Plan. The QA/QC Plan will include:

- The design team key personnel and their responsibilities
- Procedures for the design work, establishing the manuals and guidelines that will be followed during project implementation
- Checklist submitted with each milestone.

Additionally, the MBI Project Manager will provide a list of all key personnel for each job classifications that align with "Specific Rates of Compensation" list signed off by the Principal-In-Charge that will be used for the duration of the IDIQ. Task Order compensations will vary based on the type of project. Compensation could be either lump sum, specific rates, or not-to-exceed and could either be negotiated or non-negotiable task orders.

DEVELOPMENT OF TASK ORDER SCOPE | Initial project scope will be provided by DOTD PM. Michael Baker team will review the scope and limits of work to determine if adequate scope of work is provided, or if there should be recommendations of adjustment of scope. The Team will:

- Establish a scope with the DOTD Project Manager for the Task Order
- Develop a work hour proposal, identifying specific positions and anticipated hours to perform the scope, and all direct expenses anticipated. For non-negotiated manhours, the Team will verify that hours provided by DOTD are reasonable and attainable for task order success.
- Break down scope and fee by prime and subconsultant labor and direct expenses, as required by DOTD Construction Contract Services (CCS).
- DOTD will provide a copy of the Notice of Task Order Execution (NOTOE) for review prior to requiring signature and insurance documentation.
- DOTD PM will setup task order folder on Projectwise to begin exchange of existing data and coordination with DOTD.

STAGE 3: DESIGN

NTP OF EACH TASK ORDER | Michael Baker team will become familiar with the scope of work and note any special project requirements (design exceptions, design constraints, availability of right-of-way acquisition). The Michael Baker team will:

- Upon NTP, perform a site visit of project locations to identify visible design constraints that would have to be addressed at the kickoff meeting.
- Begin assembling design criteria based on project roadway classifications against DOTD minimum design guidelines and other required DOTD manuals/specifications/standards.

KICKOFF MEETING | Mr. Thornhill will coordinate, schedule, and conduct the kickoff meeting with DOTD and necessary Michael Baker team before work begins on each task order. The kickoff meeting will be used to:

- Establish project design criteria based on project type (road, bridge, full plan, pavement preservation, i.e.).
- Determine frequency of design coordination progress meetings and submittal milestones. Request data that was identified in advertisement to be provided by DOTD.

Design team will review provided data to make sure design team has any additional questions regarding the project requirements or to determine if any additional needs to be picked up in the field.

TOPOGRAPHIC SURVEYS | SJB will provide surveying services for the duration of this IDIQ contract. If a task order issued by DOTD has existing survey, SJB along with design team will review the existing survey to make sure there is adequate coverage for the design of the project. If additional survey is required, a request form will be created and submitted to the DOTD PM to provide Location and Survey department of the additional needs. If survey is not available, SJB will create survey limits of work for approval by the DOTD PM. Once approved, SJB will set control and provide the required control sketches for approval before commencing the field work for collecting the topographic survey.

All survey will meet DOTD Location and Survey manual requirements along with meeting DOTD CAD standards. A topographic field role will be provided to DOTD for final approval before the design team begins the Preliminary Design phase of the task order.

Each task order is anticipated to have a condensed schedule; however, the design team will determine early if LiDAR, either provided by DOTD or collected from LSU Atlas mappings services, will be utilized while topographic survey is being collected. Design team will update design and plans with collected topographic survey once it has been reviewed and signed off by Michael Baker. Michael Baker will provide an acceptance letter of approval to DOTD for both the control and topographic survey

It is anticipated that SUE services will be provided; however, If the project does not have SUE services already performed, the Michael Baker team has included SJB as a team member. They have been providing DOTD with SUE Services for the last ten (10) years.

PROPERTY SURVEYS | SJB will perform field and office investigations of survey data, title work and record survey maps to prepare a Base ROW Map tied to the same survey control established by SJB for the topographic survey or survey control provided by DOTD. The Base ROW Map will show all surveyed property lines and the existing ROW with

Page 85 of 107 Prime consultant name: Michael Baker International, Inc.

geometric ties to the Project Centerline. Michael Baker Design team will utilize the Base ROW maps to finalize taking lines. SJB will then use these final taking lines to develop the ROW maps to be used to acquire any necessary ROW.

SUE SERVICES | Daniel Thornhill will coordinate with DOTD PM to determine if SUE services are required for assigned project and which level of SUE services will be required. SJB will provide SUE services in accordance with Standard 38-22 Standard Guideline for the Investigating and Documenting Existing Utilities. SJB is familiar with DOTD policies and procedures and will conduct all work in accordance with these standards.

SJB staff will utilize industry-leading subsurface utility locating equipment, such as ground penetrating radar, air-assisted vacuum excavation, pipe and cable locators, and other nondestructive detection equipment to designate size, type, and depth of utilities. Each piece of equipment has specific benefits, and our experienced staff know which equipment to use in certain situations to designate size, type and depth of utilities.

SJB is capable of providing SUE of all Quality Levels. They also have vast experience in performing utility coordination during design, pre-construction, and construction phases for DOTD projects.

ENVIRONMENTAL PERMITTING | It is assumed that projects issued by task order may or may not have environmental clearance. If environmental clearance is not in hand, Michael Baker team has environmental professionals identified per this proposal that can provide necessary field work and preparation of environmental permits and documents. The Michael Baker design team will support the environmental pros on preparing the necessary permit sketches. It is assumed that the majority of the projects issued by task order would fall under categorical exclusions (CE); however, if there is a need for NEPA clearance, Michael Baker team has both Chris Gesing, PE and TJ Holliday, PWS on the team to provide this service. Michael Baker has been providing Environmental Clearance for DOTD either through an EA or EIS for the last 20+ years.

Project will not be allowed to move forward into the Final Design phase until all environmental clearances are completed and approved through DOTD Environmental Section.

HYDRAULICS/DRAINAGE | The design team will address the hydraulics/design during early submittals of the preliminary design phase of the projects. The design team will delineate drainage areas or review drainage maps provided by DOTD for existing topographic surveys. The hydraulics team will use DOTD Hydraulics Manual and software to develop the hydraulic flows based off required design storm frequencies for the required type of drainage feature or structure. It is anticipated the size of projects issued in task orders will mainly fall under the Rational Method. If a project crosses a major canal, the team will determine if the need to look at USGS or NRCS method along with building a hydrology model in HEC-RAS to determine the correct size of required drainage structure: a box culvert, cross drain, or bridge.

Hydraulics team will verify if the project area falls within flood zones by reviewing the latest approved FEMA Firm maps. This information will be provided to the design team to make sure the vertical grade of the project does not violate any floodplain requirements.

TRAFFIC MANAGEMENT PLAN | DOTD requires most of their construction projects to have the design teams develop a Traffic Management Plan (TMP). It is anticipated the identified projects would mainly fall under a Level 1 or Level 2 TMP; however, some projects may require the need for either a Level 3 or Level 4 TMP. Vectura will provide this service for the Michael Baker team. Their staff has many years of experience providing DOTD with the required TMPs especially on complex projects such as the on-going Belle Chasse P3. Vectura will provide TMPs that follow the existing DOTD policy to get approval from DOTD Traffic Engineering Section.

PRELIMINARY CONSTRUCTION PLANS | The Michael Baker team and staff has worked on many projects that are similar to anticipated task orders. Having this experience with a team who are familiar with our client's needs allow us to hit the ground running with design.

For the type of task orders issued per this contract, it anticipated that each project type either full size plan design or pavement preservation, would have a compressed schedule. As stated earlier, our team will coordinate with the DOTD PM to determine the submittal milestones for each task order. We have listed below what the Michael Baker team would recommend for milestones for a compressed schedule.

PRELIMINARY PLAN MILESTONES

60% Preliminary Plans (Survey, Geometrics, Hydraulics, Early Quantities) 90% Preliminary Plans (Plan-In-Hand) – May remove based on complexity of project. 100% Preliminary Plans

FINAL PLAN MILESTONES

60% Final Plans (Quantities, Bridge Plans) 90% Final Plans (Advanced Check Prints) 100% Final Plans (Stamped and Signed)

The design team will utilize the following guidelines/manuals for design of the task orders. The team is not limited to these manuals, but they are shown to denote what, at the minimum, will be utilized.

- Latest approved AASHTO Greenbook
- DOTD EDSMs, Standard Plans and Special Details
- DOTD Minimum Design Guidelines

Page 86 of 107 Prime consultant name: Michael Baker International, Inc.

- DOTD Roadway Design Manual
- DOTD Complete Streets Initiative
- DOTD and AASHTO Bridge Design (If required)

- DOTD Bridge Design Technical Memorandums (BDTM) (If required)
- DOTD Hydraulics Manual

60% PRELIMINARY PLANS | Due to anticipated compressed schedules, Michael Baker team recommends removal of the 30% Preliminary Plan submittal and go straight to a 60% Preliminary Plan submittal. The 60% Preliminary Plans developed will include all required plan sheets cut to their respective scale, topographic survey, depending on the type of project they will include geometric alignments both horizontal and vertical, hydraulic structures required from the hydraulic design portion of the project, and project typical sections/details/roadway model templates. The design team will utilize the current approved Inroads by DOTD but Michael Baker team may use Openroads to develop 3D model surfaces that will be used to create project cross sections along with estimated earthwork. If Openroads is used, all the rquired design files can be saved down to their native Inroads Select Series 2 format so they can be easily opened by Inroads users.

90% AND 100% PRELIMINARY PLANS | Based on the size and complexity of the project, Michael Baker team will coordinate with DOTD PM to determine if a 90% Preliminary Plan Submittal is required. If determined unnecessary, the PIH meeting and field visit will be based off the 60% Preliminary Plans. If required, Michael Baker team will develop the construction plans to include the following below:

- Initial sequence of construction
- Preliminary ROW taking lines (If required)
- TMP

A Plan-In-Hand (PIH) meeting will be held at the local DOTD district or LPA office. Field visits will be used to determine if any additional changes to the plans may be necessary before finalizing 100% Preliminary Plans and submitting for approval from DOTD. ROW taking lines, if necessary, will be finalized as part of this process. After all PIH comments are received, the Michael Baker team will revise plans and submit the 100%

FINAL PLANS | The DOTD PM will issue a NTP for Final Plans once 100% Preliminary Plans have been approved and environmental clearance has been cleared by the DOTD Environmental Section. As part of the Final Plans phase of the project, our team will begin working on completing the development of construction plans and preparing them for the Stage 4: Project Letting/Bidding Process. Michael Baker will begin with the 100% Preliminary Plans as the basis of carrying the project to its final completion.

60% FINAL PLANS | Michael Baker recommends going straight to a 60% Final Plans submittal. The design team will finalize all typical sections/details to avoid major adjustments to final ROW taking lines. Our team will coordinate with DOTD to verify all material sections that are shown, especially alternative pavements and bases, are acceptable to the local DOTD District Construction Engineer. Hydraulics design report will be completed/revised along with the development of Summary of Drainage Structures sheets. Michael Baker will develop the initial Summary of Quantities "Box" sheets to go along with the Summary of Quantities.

90%, AND 100% FINAL PLANS | After 60% review, our design teams will begin working on the Advance Check Prints (ACP – 90% Final Plans). Summary box sheets will be updated along with revisions based on 60% Final Plans comments, finalized project

DOTD CAD standards

design, final QA/QC checklist, and Constructability Review Form. A Final Design meeting will be held to cover any additional comments from this submittal that will be revised in the 100% Final Plans. At that time, we will prepare all final construction cost estimates and any required special provisions. Once 90% Final Plans review comments have been resolved, our design team will stamp and sign all construction plan sheets and submit the final pay item list to DOTD to create the Summary of Quantities Sheets to be included in the final set of plans. Once Final Plans have been approved, the project is now ready to move into Stage 4 - Project Letting.

QA/QC | Michael Baker has provided our design teams with an internal a QA/QC manual. This manual will be the basis of our team's quality control and quality assurance for each submittal milestone; however, we will supplement this manual with all required DOTD checklists for the different milestones. Since this IDIQ identifies potential bridge projects, Michael Baker has included our bridge QA/QC plan in Section 21. Our team will also perform independent technical design reviews at all submittal milestones by team members who are not directly associated with the progression of the project. These reviewers will check the construction plans for accuracy and compare them to the roadway design calculations and design guidelines. Our team will coordinate these reviews with our company document control specialist personnel for record keeping of correspondence between the Michael Baker PM and the DOTD PM, including DOTD review comments, Michael Baker design team's response to comments, design calculations, and analyses.

STAGE 5: CONSTRUCTION | Once a contractor is awarded the project, the Michael Baker construction support lead, Mary Flynn, and through Michael Baker PM, Daniel Thornhill, will assist the DOTD PM in coordination of receiving and documenting Requests For Information (RFIs) and Shop Drawings from the CE&I Field Engineer. Once RFIs and Shop Drawings are logged, Mary Flynn's construction support team will submit the RFI and/or Shop Drawing to the Michael Baker PM, Daniel Thornhill, to be distributed to our design team for review and approval in regard to conformance to the construction plans, 2016 DOTD Standard Specifications, and DOTD Roadway Design Guidelines. Michael Baker will assist in any RFIs if the contractor needs additional clarification of the intent of the construction plans before they are able to proceed. Responses to RFIs and Shop Drawings will be done in a timely manner as to not incur any additional delays for the contractor which can lead to requests for change orders for additional compensation.

WORK ZONE TRAINING REQUIREMENTS (WZTR) | As an ongoing commitment to work zone safety, it is required by DOTD that consultants providing services have personnel that deal with traffic control and flagging be certified as Flaggers, Traffic Control Technicians (TCT), Traffic Control Supervisor (TCS) and/or combination of all three. Michael Baker, Vectura, and SJB key personnel have received this training. As designers, all three team members have personnel that have been trained in all three WZTR. Certificates can be provided at request from DOTD.

19. WORKLOAD

Firm(s)	Past Performance Evaluation Discipline(s) *	State project number	Project name	Remaining Unpaid Balance**
		Contract No. 4400025536 S.P. No. H.013997.6	IDIQ Contract for Construction Engineering and Inspection Services in District 61, Loc Rd. over Borrow Pit (Blind RV BT LNCH), St. James Parish	\$363,114
		Contract No. 4400014845 Task Order No. H.012018.6 S.P. No. H.012018.6 F.A.P. No. H012018	IDIQ Contract for Construction Engineering and Inspection Services with majority of work in District 07 Statewide Adaptive Traffic Signal and Implementation, Lafayette Parish	\$231,573
		Contract No. 440001485 Task Order No. H.0003184.6 S.P. No. H.003184.6	IDIQ Contract for Construction Engineering and Inspection Services with majority of work in District 07, I-10: Texas State Line - E. of Coone Gully, Calcasieu Parish	\$434,492
		Contract No. 440001485 Task Order No. H.013959.6 S.P. No. H.013959.6 F.A.P. No. H013959	IDIQ Contract for Construction Engineering and Inspection Services (CE&I) with Majority of Work in District 07 Statewide Reeds Bridge Road over Calcasieu River Relief, Calcasieu Parish	\$304,327
Michael Baker	CE&I/OV	Contract No. 4400013851 Task Order No. H.013271.6 S.P. No. H0.013271.6 F.A.P. No. H.013271	IDIQ Contract for Construction Engineering and Inspection Services for Safety Projects (CE&I), Statewide Tangipahoa PH Local Road Safety Upgrade, Tangipahoa Parish	\$5
		Contract No. 4400013841 Task Order No. H.012473.6 S.P. No. H.012473.6 F.A.P. No. H012473	IDIQ Contract for Construction Engineering and Inspection Services for Safety Projects (CE&I), Statewide Marconi Dr. Shared-Use Path	\$5
		Contract No.4400013851 Task Order No. H.009308.6 S.P. No. H.009308.6 F.A.P. No. H009308	IDIQ Contract for Construction Engineering and Inspection Services for Safety Projects (CE&I), Statewide New Orleans DPW SRTS Sidewalk Project	\$28,608
		Contract No.4400013851 Task Order No. H.012527.6 S.P. No. H.012527.6 F.A.P. No. H012527	Local Road Safety Upgrade (W. Feliciana) West Feliciana Parish	\$60.084
		Contract No.4400013851 Task Order No. H.013082.6 S.P. No. H.013082.6 F.A.P. No. H013082	Bootlegger Road Sidewalks St. Tammany Parish	\$45,880
	ITS	Contract No. 4400011253 S.P. No. H.011500.6	Retainer Contract for Intelligent Transportation Systems (ITS), Lake Charles ITS Phase 3	\$60,473

Firm(s)	Past Performance Evaluation Discipline(s) *	State project number	Proiect name	Remaining Unpaid Balance**
	ITS	Contract No. 4400014845 S.P. No. H.012381.6	IDIQ Contract for Construction Engineering and Inspection Services with majority of work in District 07 Statewide, Fiber Optic Mapping and Management Statewide, Calcasieu Parish	\$24,673
		Contract No. 4400024424 S.P. No. H.013256	I-10 ITS Scott to Lake Charles	\$69,824
	Road(R) Bridge(B)	Contract No. 4400025026 S.P. No. H.015338 F.A.P. No. H015338	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program – District 07, Supplemental Agreement No. 1	\$700,000(R) \$700,000(B)
	Road(R) Bridge(B)	Contract No. 4400021519 S.P. No. H.012030.5 F.A.P. No. H012030	US 371: KCS RR Overpasses HBI	\$274,360(R) \$274,360(B)
	Road(R) Bridge(B) Environmental(E)	Contract No. 4400019379 S.P. No. H.013797 F.A.P. No. H013797	LA 30: EBR PL - I-10	\$107,285(R) \$51,325(B) \$199,243(E)
Michael Baker	Environmental	Contract No. 440005484 S.P. No. H.005168 F.A.P. No. DE-9208 (500)	NORG-Jefferson Highway EA, New Orleans, Louisiana Supplemental Agreement	\$753,297
	Environmental(E) Road(R)	Contract No. 440005484 S.P. No. H.005168 F.A.P. No. DE-9208 (500)	NORG – Avondale PEL Study, New Orleans, Louisiana Supplemental Agreement	\$781,426(E) \$95,500(R)
		Contract No. 4400017092 Task Order No. 2	Collection of Existing Watershed Datasets, Models, and Studies; and Proposition of Modeling Design Approach, Schedule and Costs, Region 6	\$345,715
	Other (Water)	Contract No. 4400017092 Task Order No. 3	Collection of Existing Watershed Datasets, Models, and Studies; and Proposition of Modeling Design Approach, Schedule and Costs, Region 6	\$1,316,892
		Contract No. 4400017090 Task Order No. 2	Collection of Existing Watershed Datasets, Models, and Studies; and Proposition of Modeling Design Approach, Schedule and Costs, Region 4	\$666,577
		Contract No. 4400017090 Task Order No. 3	Collection of Existing Watershed Datasets, Models, and Studies; and Proposition of Modeling Design Approach, Schedule and Costs, Region 4	\$187,388

	Past Performance Evaluation			Remaining Unpaid
Firm(s)	Discipline(s) *	State project number	Project name	Balance**
		Contract No. 4400017067 Task Order No. 1	Collection of Existing Watershed Datasets, Models, and Studies; and Proposition of Modeling Design Approach, Schedule and Costs, Region 1	\$1,888,807
	Other (Water)	Contract No. 4400023101 Task Order No. 1 S.P. No. H.015040.1& H.015041.1	IDIQ Contract for Louisiana Watershed Initiative/ State Projects Program (LWI-SPP) – Group 1 Beauregard, Vernon, and St. Landry Parishes	\$393,909
Michael Baker		Contract No. 4400023101 Task Order No. 2 S.P. No. H.015044.1	IDIQ Contract for Louisiana Watershed Initiative/ State Projects Program (LWI-SPP) – Group 1 Beauregard, Vernon, and St. Landry Parishes	\$218,411
	Other (Aviation)	Contract No. 4400019130 Task Order No. 1	IDIQ Contract for Statewide Aviation Program Update – Phase II Statewide	\$40,906
		Contract No. 4400017293 S.P. No. H.010616	I-20: LA 544 Overpass Replacement	\$74,429
	Traffic	Contract No. 4400005484 S.P. No. H.005168.2	New Orleans Rail Gateway Jefferson Highway EA	\$14,200
Vectura		Contract No. 4400005484 S.P. No. H.005168.2	New Orleans Rail Gateway Avondale EA	\$123,988
Consulting		S.P. No. H.004791	Belle Chasse Bridge & Tunnel Replacement PPP	\$14,740
Services, LLC		Contract No. 4400021519 S.P. No. H.012030.5	US 371 : KCS RR Overpasses HBI	\$2,002
	CE&I	Contract No. 4400020018 S.P. No. H.007160	EBR Computerized Traffic Signal, Ph VB	\$49,600
	ITS	Contract No. 4400016364 S.P. No. H.011504.5	Alexandria ITS Phase 2	\$14,305
	Other (DBE)		LA DBE Supportive Services 2023-2026	\$960,094
	Survey/Road	Contract No. 4400017597 H.013952; H.013963; H.013966; H.013968; H.013970; H.013976; H.013982; H.013984; H.013996; H.013997	Rural Bridge Replacement Initiative - Districts 03, 07, 61, and 62	\$17,408
LLC	Other (Engineering)	Contract No. 4400017597 H.013982; H.013984	Rural Bridge Replacement Initiative - Districts 03, 07, 61, and 62	\$50,619
	Other (SUE)	Contract No. 4400019379 H.013797	LA 30: EBR PL - I-10 - Ascension and Iberville Parishes	\$2,904
	Survey	Contract No. 4400019870 H.013722.5	Morgan City Sidewalks and Shared Use Path Safe Routes to Public Places Program - St. Mary Parish	\$103,615

	Past Performance			Remaining
Firm(s)	Discipline(s) *	State project number	Project name	Balance**
	Survey	Contract No. 4400022830	LADOTD ADA Transition Plan Update – Phase 1: District 3 Pilot Study	\$17,408
		Contract No. 4400017485 H.012876.6	US 90Z (I-10 - Magnolia Street) - District 02, Orleans Parish	\$20,707
	СРМ	Contract No. 4400004351 H.011220.6	NO CBD2 Carrollton-Lafitte Ave - District 02, Orleans Parish	\$16,955
		Contract No. 4400017485 H.013579.6	Pecue Lane/I-10 Interchange Phase 2 - District 61, East Baton Rouge Parish	\$2,175
	СРМ	Contract No. 4400017485 H.009620.6-1	I-10: LA 108 to I-210 Interchange	\$0
	СРМ	Contract No. 4400004351 H.012901.6-1	US90Z (Magnolia-Bodenger)	\$14,752
	СРМ	Contract No. 4400017485 H.002375	LA 16 Amite River Bridge near French Settlement	\$26,198
	СРМ	Contract No. 4400017485 H.010018	I-10: NO East Drain Canal Bridge Replace - District 02, Orleans Parish	\$25,261
SJB Group,	СРМ	Contract No. 4400017485 H.003184.6	I-10 Texas S/L - Coone Guillory	\$110,344
LLC	СРМ	Contract No. 4400017485 H.012588.6	I-10: Atchafalaya Basin Bridge - West Baton Rouge P/L - District 61, Iberville Parish	\$22,929
	СРМ	Contract No. 4400017485 H.001234.6	LA 1: Port Allen Canal BR Replacement (PH1) (HBI)	\$47,537
	Other (SUE)	Contract No. 4400019184 H.001820.6	LA 485 Bridges Near Allen Construction Inspection - Allen Parish	\$73,338
	Other (SUE)	Contract No. 4400019184 H.001820	LA 485 Bridges Near Allen Waterline Investigation - Natchitoches Parish	\$76,399
	СРМ	Contract No. 4400017485 H.000665.6	UP R.R. Overpass near Bonita (HBI) - District 05, Morehouse Parish	\$68,066
	СРМ	Contract No. 4400017485 H.002980.6	I-10 Overpass Over US 165 & MP R.R.	\$83,773
	СРМ	Contract No. 4400017485 H.001820.6	LA 485: Bridges Near Allen - District 08, Natchitoches Parish	\$27,718
	СРМ	Contract No. 4400017485 H.001344.6	US 190: LA 437 to US 190-BUS (Phase 1)	\$43,870
	СРМ	Contract No. 4400017485 H.004634.6	Juban Road Widening (I-12 to US 190)	\$15,031

Firm(s)	Past Performance Evaluation Discipline(s) *	State project number	Project name	Remaining Unpaid Balance**
	СРМ	Contract No. 4400017485 H.000169.6	Union Pacific Railroad Bridge at Sicard - District 05, Ouachita Parish	\$22,283
	СРМ	Contract No. 4400017485 H.002424	LA 70 Sunshine Bridge - LA 22 - District 61, Ascension/St. James Parish	\$71,880
	СРМ	Contract No. 4400017485 H.003047.6	Pecue Lane/I-10 Interchange Phase III - District 61, East Baton Rouge Parish	\$91,758
	СРМ	Contract No. 4400017485 H.0009487.6	LA 1 Atchafalaya Bridge Clean & Paint	84,096
	Survey	Contract No. 4400017711 H.012685.5	LA 385: Ryan Street Intersection IMPRs	\$11,454
S IB Group	Survey	Contract No. 4400017711 H.012685.5	LA 385: Ryan Street Intersection	\$0
LLC	Survey	Contract No. 4400016018 H.012001.5	LA 339 Canal and Creek Bridges - Vermilion Parish	\$4,393
	Survey	Contract No. 4400016018 H.012001.5-2	LA 339 Canal and Creek Bridges Additional Work - Vermilion Parish	\$0
	Survey	Contract No. 4400016018 H.002244.5	LA 56: Boudreaux Canal MB Replacement - Terrebonne Parish	\$14,891
	Survey	Contract No. 4400016018 H.011310.5	Ford Street Extension - East Baton Rouge Parish	\$5,643
	Survey	Contract No. 4400016018 H.4100.5	I-10: LA 415 to Essen on I-10 and I-12 ROW Revisions TO 50 - East Baton Rouge Parish	\$0
	Survey	Contract No. 4400016018 H.4100.5	I-10: LA 415 to Essen on I-10 and I-12 ROW Revisions TO 51 - East Baton Rouge Parish	\$0
	Survey	Contract No. 4400016018 H.004100	I-10: LA 415 to Essen on I-10 and I-12 ROW Revisions TO 52 - East Baton Rouge Parish	\$3,486

20. CERTIFICATIONS/LICENSES

Table of Contents for Certifications and Licenses

Name	Firm	Page Number
Brandon Pitre, PE	Michael Baker International, LLC	94
Sheelagh Brin Ferlito, PE, PTOE		95
Laurence Lambert, PE, PTOE, PTP	Vectura Consulting	95
Reece Rodrigue, PE, PTOE	Services, LLC.	96
Kristen Farrington, PE, PTOE		96
Bridget Scheyd Robicheaux, PE, PTOE		97
Clara Williams Foshee, PE		97
Matthew Estopinal, PE, PLS		98
Charles Tim Brewer, RF, PS, PLS, RPLS, RPP		99
Colby Mire, PLS	SJB Group, LLC	100
Daniel Biggs		101
Karen Kennedy, PE		102
Austin LaCombe, PE		103
Kenneth Gaines		104

Brandon Pitre

Michael Baker International, LLC



Certificate of (Completion	Cert
Brandon I	Pitre	
for completing	; the	
Traffic Engineering Analysi Module 2	is Process & Report 2	Traffic E
Oute: October 7, 2020 Location: Baton Rouge, Louisiana	Professional Development Houre (DDNs) Awarded: 3.5	Date: Octob Location: Bator
And Bertal Instructor Ratherized &	nutructor Authorizad instructor	Automited Instruct

Т

Г

Brandon Pr	itre
for completing t	the
Traffic Engineering Analysis Module 3	Process & Report
Date: October 8, 2020 Location: Baton Rouge, Louisiana	Professional Development Houre (PDOL) Awarded: 3.1
Hy flatme Julia	0172-6

Brin Ferlito

Vectura Consulting Services, LLC





Laurence Lambert

Vectura Consulting Services, LLC

Certificate of Completion	Certificate of Completion	Certificate of Completion
Laurence Lambert	Laurence Lambert	Laurence Lambert
for completing the	for completing the	for completing the
Traffic Engineering Analysis Process & Report Module 1	Traffic Engineering Analysis Process & Report Module 2	Traffic Engineering Analysis Process & Report Module 3
Bane July 16, 2018 Ordensional Evolutional Evolutional Evolution Execution Bateri Respect Localization Witner (WMA), Franklaf, 2	Hute: July 23, 2018 Orglautouf Development Locators: Baten Rouge, Locations: Warn (WDW), boardof: 3	Ante: October 15, 2018 Orgéniussof Armén Louisses Baten Reege, Louisiana Nowe (PUN), Ann
Harden interes Salaring Calific anter	- Harlie anne saturdanar - habert manar	- Joy fillore - Jako anar - Salara anar - Salara anar - Salara anar
DOTD	DOTD	DOTD

July 1

Professional Development Nonet (VDNs), Isranded: 4

0.172-4

Reece Rodrique

Vectura Consulting Services, LLC







Kristen Farrington

Vectura Consulting Services, LLC

Certificate of Completion	Certificate of Completion	Certificate of Completion
Securite d Kristen Gahagan for completing the Traffic Engineering Analysis Process & Report Module 1 Millional Internation Multiple Internation Multiple Internation Multiple Internation Multiple Internation	Kristen Gahagan for completing the Traffic Engineering Analysis Process & Report Module 2 Outer August 6, 2018 Evanior Batter Rouge, Louisiana Professional Orecleptanee Evanior Batter Rouge, Louisiana Professional Orecleptanee Juli Analysis Statemarket Automatic Statemarket Automatic Statemarket	Kristen Gahagan for completing the Traffic Engineering Analysis Process & Report Module 3 Autor Ocober 29,2018 Louire Daton Rouge, Louisians Professional Overleguene Hana Rouge, Louisians Professional Overleguene Handbrack Games Analysis (Complete States) Autor (Complete States)

Bridget Scheyd Robicheaux







Clara Williams Foshee

Vectura Consulting Services, LLC



Matthew Estopinal



Charles Tim Brewer



Colby Mire



ATSSA AMERICA Service	an Traffic Safety s Association
This is t	o affirm that
Danie	l Biggs
has satisfied the require CERTIFIE	ments to be designated as a D FLAGGER
Issue Date 7/5/2022	ATSSA
Exp. Date7/4/2026	Instructor Name Lange Sult
A1000089117	Verify at Flagger.com

Karen Kennedy

SJB Group, LLC



This is to affirm that



Austin LaCombe

SJB Group, LLC



America Service	an Traffic Safety s Association
This is t	o affirm that
Aus	tin LaCombe
fied the require CERTIFIE 3/9/2022	ments to be designated as a D FLAGGER ATSSA
3/8/2026	Instructor Nameril
LA —	Instructor Signature
	-71 America Service This is t Aus sfied the require CERTIFIE 3/9/2022 3/8/2026 LA —

Page 103 of 107 Prime consultant name: Michael Baker International, Inc.

Kenneth Gaines

 AT	SSA	
PROOF OF THIS CERTIFICATE HER	TRAINING REBY RECOGNIZES THAT	
 Kenneth Gaines has attended Traffic Control Technician-LA State Specific Training Course		
<u>11/29/2022</u> to <u>11/29/2026</u> Training Valid Through	Launga Britt- Director of Training	Ex
Baton Rouge, LA Location	Alaen Teshachun President, CEO	St
ATSSA provides training and certification l	but neither constitutes employment by ATSSA.	
Ameri	can Traffic Safety Services Association ATSSA.com	



21. QA/QC PLAN AND/OR WORK PLAN – N/A

Page 105 of 107 Prime consultant name: Michael Baker International, Inc.

22. SUBCONSULTANT INFORMATION

Firm Name (as registered with				
Louisiana's Secretary of State)	Address	Point of Contact and email address	Phone Number	
Vectura Consulting Services,	8000 Innovation Park Drive,	Brin Ferlito,	225-223-6685	
LLC	Baton Rouge, LA 70820	bferlito@vecturacs.com		
SIR Group LLC	8377 Picardy Avenue	Matthew Estopinal	225-706-5752	
SJB Gloup, LLC	Baton Rouge, LA 70809	Matt.Estopinal@SJBGroup.com		



Page 106 of 107 Prime consultant name: Michael Baker International, Inc.

23. LOCATION – N/A