# **DOTD FORM: 24-102**

## **PROPOSAL TO PROVIDE CONSULTANT SERVICES**

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

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

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

1. Contract title as shown in the advertisement	Off System Highway Bridge Program, Martin Lane over Drainage Canal
2. Contract number(s) as shown in the advertisement	Contract No. 4400025191
3. State Project Number(s), if shown in the advertisement	H.015051.5
4. Prime consultant name (as registered with the Louisiana	Meyer Engineers, Ltd.
Secretary of State where such registration is required by	
law)	
5. Prime consultant license number (as registered with the	<i>EF.0000562</i>
Louisiana Professional Engineering and Land Surveying	DUNS #043959022
Board (LAPELS) if registration is required under	
Louisiana law)	
6. Prime consultant mailing address	P.O. Box 763, Metairie, LA 70004
7. Prime consultant physical address (existing or to be	4937 Hearst Street, Suite 1B
established, if location is used as an evaluation criteria)	Metairie, LA 70001
8. Name, title, phone number, and email address of prime	David H. Dupre, Vice President; Phone: 504-885-9892
consultant's contract point of contact	Email: ddupre@meyer-e-l.com
9. Name, title, phone number, and email address of the	Richard C. Meyer, President; Phone: 504-885-9892
official with signing authority for this proposal	Email: rickmeyer@meyer-e-l.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	



potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.	hall be the same person as #9): Ary 17, 2023
11. If a Disadvantaged Business Enterprise (DBE) goal has <u>Firm(s)</u> : been set for this advertisement indicate which firm(s) <u>N/4</u>	<u>Firm(s)' %:</u>
will be used to meet the DBE goal and each firm(s) percentage.	

# **<u>12. Past Performance Evaluation Discipline Table:</u>**

**Sub-consultants are allowed to be used for this proposal.** Fill in the table to identify only those evaluation disciplines consistent with the approach and methodology proposed in Section 18 of the DOTD Form 24-102\*, the name of each firm that is part of the proposal, and the percentage of work in each past performance evaluation discipline to be performed by that firm. The percentage estimated for each evaluation discipline is for evaluation purposes only and will not control the actual performance or payment of the work. The percentages for the prime and sub-consultants must total 100% for each past performance evaluation discipline, as well as overall total percent of contract. (Add rows as needed)

Evaluation Discipline(s)	% of Overall Contract	Meyer	SJB Group	ELOS	Each Discipline must total to 100%		
Road	78%	100%					
Survey	18%		100%				
Environmental	4%			100%			
Identify the percentage of work for the overall contract to be performed by the prime consultant and sub-consultant.							
Percent of Contract	100%	78%	18%	4%			



Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
Meyer Engineers, Ltd.	Accountant	1	3
	Administrative	1	1
	Clerical	1	3
	Engineer	4	9
	Engineer Intern	1	2
	Principal	1	1
	Supervisor – Engineer	1	2
ELOS Environmental, LLC	Biologist/Wetlands	2	10
	Environmental Professional	3	11
	Environmental Manager	1	2
	GIS Analysis	2	6
	Archaeologist	1	2
SJB Group, LLC	Accountant	0	2
	Administrative	0	1
	CADD-Drafter	0	1
	CADD-Operator	1	1
	Computer-Analyst	0	1
	Engineer	0	2
	Instrument Man	3	3
	Landscape Architect	0	1
	Party Chief	2	4
	Principal	3	4
	Professional	2	2
	Rodman	1	1
	Senior Technician	4	7
	Supervisor-Eng	0	1
	Supervisor-Other	1	3







# **<u>15. Minimum Personnel Requirements:</u>**

MPR No. Do not insert wording from ad	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license / certification & number	State of license	License / certification expiration date
1	Richard C. Meyer, P.E.	Meyer Engineers, Ltd.	Professional Engineer/24012	LA	03/31/2024
2	David H. Dupre, P.E.	Meyer Engineers, Ltd.	Professional Engineer/23422	LA	03/31/2024
3	Jitendra C. Shah, P.E.	Meyer Engineers, Ltd.	Professional Engineer/19551	LA	03/31/2023
4	Wilfred Barry, P.E., PLS	SJB Group	Professional Engineer/17452	LA	03/31/2024
			Professional Land Surveyor / PLS.0004612		03/31/2024
5	Cory Ricks	ELOS Environmental, LLC		LA	N/A



Firm emp	Firm employed by: Meyer Engineers, Ltd.						
Name	Richard C	C. Meyer,	<i>P.E</i> .	Years of relevant experience with this firm/employer	42		
Title	Title Principal-in-Charge		re	Years of relevant experience with other firm(s)/employer(s) $\theta$			
Degree(s) / Years / Specialization		ization	B.S. Civil Engineering 1980, Tulane University		28		
Active re	egistration	n number	/ state / expiration date	24012 / LA / 03-31-2022			
Year reg	gistered	1988	Discipline	Civil Engineering			
Contract	trole(s)/t	orief desc	cription of responsibilities	Project Principal / Oversee Project / Meets MPR No. 1			
Experien	nce dates -mm/vv)	Experie	ence and qualifications relevance data	evant to the proposed contract; <i>i.e.</i> , "designed drainage", "designed should cover the time specified in the applicable MPR(s).	ned gi	rders", "designed	
Richard C. control, co structural, Design Pro the Federa Portland co and coordi the Americ Companies	Richard C. Meyer is the Principal-in-Charge and is involved with all aspects of administering engineering projects including client contact, cost estimates, design, quality control, contract administration, and contract closeout. Mr. Meyer coordinates the Engineering staff and has participated in most facets of Civil Engineering including structural, sanitary and <i>storm sewerage, roads and bridges</i> , airport designs, and <i>construction management</i> . Mr. Meyer is knowledgeable of the DOTD's "Roadway Design Procedures and Details", "Design Guidelines", "Hydraulics Manual", "Testing Procedures Manual", and "Materials Sampling Manual". As Project Principal for the Federal Aid System Projects, Mr. Meyer has administered assistants, certified inspectors, and field representatives for the construction of asphaltic concrete and Portland concrete roadways and drainage systems for over thirty (30) years. The work included interpreting contract documents, preparing pay requests and change orders, and coordination with Federal, State and Parish Representatives. Mr. Meyer is a member of the Louisiana Engineer's Society, the American Society of Civil Engineering Companies.						
04/22-1	Present	<i>E. Genie</i> an existin <i>span bria</i> pedestria	Street Bridge Replacement, St. And Construction and construction and construction and will be constructed and will on path, and associated guardrails	<b>Bernard Parish:</b> Project Principal for the E. Genie Street Bridge Replacement w on of a new bridge on East Genie Street near the intersection of Golden Drive consist of three 25' long slab spans on bent caps with pre-cast concrete piles, 2 and handrails.	which co A new 2 5' clear	nsists of demolition of 75' long concrete slab vehicle width, two 6'	
01/18-1	Present	Mid-Bard A portion channel. deck, bar	ataria Sediment Diversion – BA n of the project consists of an 85' The arched bridge will maintain riers, and girders, battered and pl	- 153, Plaquemines Parish: Project Principal for the Mid-Barataria Sediment wide concrete bridge that will span 2,500' long, including approach slabs and a 25' clearance above the proposed water surface elevation of the channel. Bu umb pile bents with cylindrical concrete piles, and concrete pile caps.	Diversion the span th	on – BA – 153 <i>bridge</i> . nning of the 300' wide <i>sign</i> includes concrete	
04/18-1	Present	esent S.P. No. H.007272: Howard Avenue Extension (Loyola Avenue – LaSalle Street), Orleans Parish: Project Principal for the Howard Avenue Extension (Loyola Avenue – LaSalle Street). The project consists of a 1,600' concrete roadway, base course, curbs, sidewalk, ADA compliant ramps, drain lines, utility adjustments, striping, traffic signals, and street lighting. The work also includes right-of-way acquisition. Construction Cost: \$3.2M (EST)					
06/13-	-07/22	S.P. No. H.010184: LA 59: Curve Realign and Tunnel at Trace, St. Tammany Parish: Project Principal for road improvements and pedestrian tunnel. Construction Cost: \$3.6M					
03/22-	-06/22	Lock No. 2 Road Bridge Replacement, St. Tammany Parish: Project Principal for the roadway design and bridge engineering services for the removal and replacement of the existing bridges. Meyer also prepared the Hydrologic and Hydraulic Analysis.					
01/00-	-06/11	Harvey I Boulevar included Construc	<b>Boulevard: Wall Boulevard to</b> rd to Engineers Road). This 4,8 curbs, new turn lanes, new tu etion Cost: \$9.3M	Engineers Road, Jefferson, and Plaquemines Parishes: Project Principal 800' long asphalt roadway included four 12-foot-wide traveling lanes with a raffic signals, subsurface drainage, drainage outfalls and two (2) 250-foo	for Har a 60-foo t <b>-long</b>	vey Boulevard (Wall ot-wide median. Also <i>girder span bridges</i> .	



Firm Em	Firm Employed by: Meyer Engineers, Ltd.						
Name	Jitendra	C. Shah	<i>h</i> , <i>P</i> . <i>E</i> .	Years of relevant experience with this firm/employer 38			
Title	Vice Pre	sident /	Supervisor Engineer	Years of relevant experience with other firm(s)/employer(s) 11			
Degree(	(s) / Years	s / Spec	ialization	M.S. Civil Engineering 1975, Wayne State			
		-		B.S. Civil Engineering, 1973, The Detroit Institute of Technology			
Active r	registratio	on numb	per / state / expiration date	19551 / LA / 03-31-2023			
Year reg	gistered	1981	Discipline	Civil Engineering			
Contrac	t role(s) /	brief de	escription of responsibilities	Project Engineer / Bridge and Road Design / Meets MPR No. 3			
Experie	nce dates	Expe	rience and qualifications relevant	vant to the proposed contract; i.e., "designed drainage", "designed gi	rders", "designed		
(mm/yy	–mm/yy)	inters	section", etc. Experience dates	s should cover the time specified in the applicable MPR(s).			
Sampling the Institu	2. Shah will ost estimate icets of Civ dgeable of Manual". I ite of Trans	perform es, <i>design</i> il Engine the DOT Mr. Shah portation	Bridge and Roadway Design on this , quality control, construction admin ering design including structural, sa D's "Roadway Design Procedures a has completed the FHWA and DO Engineers, and a member of the An	s project. Mr. Shah is involved with all aspects of administering engineering project nistration, and contract closeout, preparation of reports and plans and specifications initary and storm sewerage, water, sidewalks, drainage, <i>roads and bridges</i> , and airg and Details", "Design Guidelines", "Hydraulics Manual", "Testing Procedures Ma TD sponsored course on Stream Stability and Scour at Highway Bridges. He is an merican Society of Civil Engineers and the Louisiana Engineering Society.	Is which include client . Mr. Shah participates port designs. Mr. Shah anual", and "Materials Associate Member of		
04/22-	-Present	<i>E. Get</i> an exi <i>span l</i> pedest	nie Street Bridge Replacement, St. B sting canal crossing and construction bridge will be constructed and will c trian path, and associated guardrails a	<b>Bernard Parish:</b> Project Manager for the E. Genie Street Bridge Replacement which consist of a new bridge on East Genie Street near the intersection of Golden Drive. A new onsist of three 25' long slab spans on bent caps with pre-cast concrete piles, 25' clean d handrails.	nsists of demolition of 75' long concrete slab r vehicle width, two 6'		
01/18 -	- Present	Mid-L bridge the 30 includ	Barataria Sediment Diversion – BA e. A portion of the project consists of 0° wide channel. The arched bridge les concrete deck, barriers, and gird	<b>4</b> – <b>153, Plaquemines Parish:</b> Project Manager for the Mid-Barataria Sediment I of an <b>85' wide concrete bridge</b> that will span 2,500' long, including <b>approach slat</b> will maintain a <b>25' clearance above the proposed water surface elevation</b> of the clers, battered and plumb pile bents with cylindrical concrete piles, and concrete pile	Diversion – BA – 153 bs and the spanning of hannel. <b>Bridge design</b> e caps.		
03/22	2-06/22	Lock and re Desig aspha Hydra includ	No. 2 Road Bridge Replacement, Sa eplacement of an existing bridge. Pan n included slab-span bridge on conce lt roadway transitions. Performed 1 aulic Report in accordance with DO led design of a temporary detour road	t. Tammany Parish: Project Manager for roadway design and bridge engineering se repared plans in accordance with DOTD's Federal Aid Off-System Highway Bridg crete pile bents with pre-cast prestressed concrete piles, canal improvements, concre hydrologic and hydraulic analysis using DOTD approved computer modeling p. TD Hydraulic Design Guidelines for Off-System Bridge Replacement and Rehabi ad and culvert in accordance with the DOTD Hydraulics Manual.	rvices for the <i>removal</i> e Program Guidelines. ete approach slabs, and rograms and prepared litation Program. Also		
12/01	1-03/03	State Inspec (High detou span closed for the accor Recor	<b>Project No. 576-26-0007: Highway</b> ction services for the Highway 313 way 3137) in anticipation of Pump <b>r road</b> and coordination of utility ad <b>bridges</b> with associated sheeting, <b>ap</b> but submittals and forms and record e bridge , preparation of plans and <b>e</b> <b>dance with DOTD</b> and USACE <b>req</b> d Drawings. Construction Cost: \$3	<b>y 3137 Bridge, Plaquemines Parish:</b> Project Manager for the Design, and Constru 7 (Pump Station No. 3) <b>Bridge</b> . The work included a <b>250-foot girder span bridg</b> o Station No. 3 (Whitney Barataria Pump Station). Also included was utility relations djustments for Pump Station No. 3. The <b>bridge</b> consisted of <b>70-foot pre-stressed ty</b> <b>proach slabs</b> , and guardrails. A separate girder span bridge was constructed for the drawings were accepted by the DOTD. Tasks included development of the conce specifications, and complete design services for a drainage pump station and earth <b>uirements</b> . Work also included coordination of the purchase of property, deed clo .5M	ction Engineering and ge on Engineers Road ocations, intake canal, pe III concrete girder e utility crossings. All ptual layout and plans ion intake canal, all in ose out submittals, and		



Firm en	Firm employed by: Meyer Engineers, Ltd.						
Name	Eric Colw	art, P.E.	Years of relevant experience with this firm/employer	16			
Title	Civil Engi	ineer	Years of relevant experience with other firm(s)/employer(s)		Charles		
Degree(	(s) / Years /	/ Specialization	B.S. Civil Engineering, 2005, Louisiana State University				
Active r	registration	number / state / expiration date	36290 / LA / 09-30-2023				
Year reg	gistered	2011 Discipline	Civil Engineering				
Contrac	et role(s) / b	prief description of responsibilities	Bridge and Road Design				
Experie (mm/yy	ence dates z-mm/yy)	Experience and qualifications relevintersection", etc. Experience dates	vant to the proposed contract; <i>i.e.</i> , "designed drainage", "designs should cover the time specified in the applicable MPR(s).	led gi	irders", "designed		
Eric Colv preparatio details. M AASHTC	wart will be t on of reports Ir. Colwart ha D's "Green B	he Lead Engineer for the bridge design for , plans and specifications. This also includ as designed projects in accordance with <b>DO</b> ook", and the "Louisiana Standards and Sp	r this project. His experience includes client contact, cost estimates, design, des plan/profile sheets, preparation of as-builts and record drawings, updation <b><i>TD's "Roadway Design Manual"</i></b> , "Complete Streets Manual", "Hydraulica pecifications for Roads and Bridges".	const ing fao s Man	truction administration, cility plans and CADD ual", "Bridge Manual",		
04/22-	<ul> <li>04/22-Present</li> <li>E. Genie Street Bridge Replacement, St. Bernard Parish: Project Engineer for the E. Genie Street Bridge Replacement which consists of demolition of an existing canal crossing and construction of a new bridge on East Genie Street near the intersection of Golden Drive. A new 75' long concrete slab span bridge will be constructed and will consist of three 25' long slab spans on bent caps with pre-cast concrete piles, 25' clear vehicle width, two 6' pedestrian path, and associated guardrails and handrails.</li> </ul>						
01-18-	-Present	<i>Mid-Barataria Sediment Diversion – BA – 153, Plaquemines Parish:</i> Assistant Project Engineer for the design of the Mid-Barataria Sediment Diversion – BA – 153 bridge. A portion of the project consists of an $85'$ wide concrete bridge that will span 2,500' long, including approach slabs and the spanning of the 300' wide channel. The arched bridge will maintain a 25' clearance above the proposed water surface elevation of the channel. Bridge design includes concrete deck, barriers, and girders, battered and plumb pile bents with cylindrical concrete piles, and concrete pile caps.					
03/22	03/22-06/22 Lock No. 2 Road Bridge Replacement, St. Tammany Parish: Project Engineer for roadway design and bridge engineering services for the removal and replacement of an existing bridge. Prepared plans in accordance with DOTD's Federal Aid Off-System Highway Bridge Program Guidelines. Design included slab-span bridge on concrete pile bents with pre-cast prestressed concrete piles, canal improvements, concrete approach slabs, and asphalt roadway transitions. Performed hydrologic and hydraulic analysis using DOTD approved computer modeling programs and prepared Hydraulic Report in accordance with DOTD Hydraulic Design Guidelines for Off-System Bridge Replacement and Rehabilitation Program. Also included design of a temporary detour road and culvert in accordance with the DOTD Hydraulics Manual.						
08/00	0-06/11	State Project No. 742-26-0044: Harvey B for Harvey Boulevard from Wall Bouleva new asphaltic concrete roadway included two (2) 250-feet long girder span bridges work also included concrete widening a backfilled canal to avoid future settlement	<b>Boulevard:</b> Wall Blvd. to Engineers Road, Jefferson & Plaquemines Parister of the Engineers Road (approximately 4,800 LF), located in Jefferson Parister four (4) 12' lanes, concrete curbs, new traffic signals and subsurface drainages, drainage outfalls, backfilling a major canal, and bulkheading around an example the problems. Construction Cost: \$8.9M	hes: A and Pl ge. Th existin	Assisted with the design aquemines Parish. The ne project also included g 30-inch gas line. The <i>approach slab</i> over a		



Firm en	ployed by	: Meyer Engineers, I	Ltd.				
Name	David H.	Dupre, P.E.		Years of relevant experience with this employer	34		
Title	TitleVice President and Supervisor Engineer			Years of relevant experience with other employer(s)	3		
Degree(s) / Years / Specialization			B.S. Civil Engineering 1984, Louisiana State University				
Active r	egistration	n number / state / exp	iration date	23422/LA/03-31-2022			
Year reg	gistered	1989	Discipline	Civil Engineering			
Contrac	t role(s) / l	orief description of re	sponsibilities	Quality Assurance / Quality Control / Meets MPR No. 2			
Experie	nce dates	Experience and qua	lifications relevan	nt to the proposed contract; i.e., "designed drainage", "des	signed	d girders", "designed	
(mm/yy	–mm/yy)	intersection", etc. E	Experience dates s	hould cover the time specified in the applicable MPR(s).			
David H.	Dupré has o	ver thirty-seven years of	experience in Civil a	nd Structural Engineering, Project Management and Construction Ma	inagen	nent and is involved with	
all aspects	s of administ	ering engineering project	s which include clien	t contact, cost estimates, design plans and specification, construction	admini	istration, and preparation	
of reports	. He partici	pates in all facets of Civil	l Engineering design	including roads, bridges, drainage, sanitary sewer, water, and enviro	nment	al. As <i>Vice-President</i> he	
manages t	the engineer	ng staff and has significat	nt experience with la	rger/complex road and drainage projects, such as the \$50 million Wh	itney B	Barataria Pump Station in	
Jefferson	Parish and a	portion of the design on	the \$150 million Par	ths to Progress Road Program for LADOTD. He is a former Chairi	nan of	f the Board of American	
Council o	f Engineeri	ng Companies (ACEC). 1	In 2016, Mr. Dupre w	vas honored in receiving the Outstanding Civil Engineer award from	the Ne	w Orleans Branch of the	
American	Society of	Civil Engineers (ASCE).	He is also a member	of SAME, ASCE, APWA, CMAA and LES. Mr. Dupre has design	ied pro	jects in accordance with	
DOTD's	"Roadway L	Design Manual", "Hydrau	ilics Manual", "Bridg	ge Manual", "Complete Streets Manual", and the "Louisiana Standa	rd Spe	cification for Roads and	
Bridges".	He is LAD	TD certified in Traffic C	Control Technician, T	raffic Control Supervisor, and Flagger. He has managed large compl	ex desi	ign projects for Jefferson	
Parish, L.	ADOID, ar	id the City of New Orl	eans coordinating m	sultiple civil, survey, and electrical team members. He leads Me	yer's e	effort providing Quality	
Control/Q	uanty Assur	ance on projects Mr. Dup	bre is leading for the	irm and for other firm projects he is not the Project Manager.			
09/20-	Present	Bainbridge Canal Clos	ure and Roadway In	aprovements, Jefferson Parish: Project Manager for the drainage an	ıd road	<i>d improvements</i> between	
		Veterans and Terminal	Drive. The project c	onsists of the replacement of approximately 1,900 feet of earthen ca	nal wit	th concrete box culverts.	
		The work also includes	s roadway improvem	ents, drainage, street lighting, traffic improvements, and landscapin	ıg. Co	nstruction Cost: \$21.4M	
		(EST)					
01/18-	Present	Mid-Barataria Sedimer	nt Diversion – BA –	153, Plaquemines Parish: Project Engineer for the Mid-Barataria S	edime	nt Diversion – BA – 153	
		bridge. A portion of the project consists of an 85' wide concrete bridge that will span 2,500' long, including approach slabs and the spanning of					
	the 300' wide channel. The arched bridge will maintain a 25' clearance above the proposed water surface elevation of the channel. Bridge						
		design includes concret	e deck, barriers, and	girders, battered and plumb pile bents with cylindrical concrete piles,	and co	oncrete pile caps.	
06/13	3-07/22	S.P. No. H.010184: LA	59: Curve Realign a	and Tunnel at Trace, St. Tammany Parish: Project Manager for road	l impre	ovements and pedestrian	
		tunnel. Construction Co	ost: \$3.6M	-			



	RESUME CONTINUED (DAVID DUPRE)
09/07-12/12	State Project No. 704-92-0039: LA DOTD Submerged Roads Program, Orleans and St. Bernard Parishes: Program Manager for the first phase of the LA DOTD Submerged Roads Program. The project consists of providing design and construction engineering and inspection under a retainer contract which included <i>fifteen (15) different Task Orders</i> and seven (7) separate bid packages on this <i>fast-paced project</i> . Roads improved include Wisner, Robert E. Lee, Press, Washington, Poydras, M.L. King, Magazine, Nashville and Jefferson Street in Orleans Parish, and Patricia and Jean Lafitte Street in St. Bernard Parish. The work included base repair, asphalt and <i>concrete patching</i> , mill, asphalt overlay, <i>concrete road</i> , concrete curbs, granite curbs, driveways, sidewalks, handicap ramps, drain line repairs, and catch basin repairs. The project also included traffic control device plans for phases and traffic signal modifications. The construction estimate of all Task Orders under the first phase of the Submerged Roads Program was <i>\$29 Million</i> . The project required coordinating with multiple design professionals.
08/00-06/11	State Project No. 742-26-0044: Harvey Boulevard: Wall Blvd. to Engineers Road, Jefferson & Plaquemines Parishes: Project Manager for Harvey Boulevard from Wall Boulevard to Engineers Road (approximately 4,800 LF), located in Jefferson Parish and Plaquemines Parish. The new asphaltic concrete roadway included four (4) 12' lanes, concrete curbs, new traffic signals and subsurface drainage. The project also included two 250-feet long girder span bridges, drainage outfalls, backfilling a major canal, and bulkheading around an existing 30-inch gas line. The work also included concrete widening and patching along Engineers Road (LA 3017), and a 180' long pile supported approach slab over a backfilled canal to avoid future settlement problems. Construction Cost: \$8.9M
02/97-10/06	<i>Filmore Avenue Canal Bridge, Orleans Parish:</i> Performed Quality Assurance / Quality Review for the Filmore Avenue Bridge over the London Avenue Canal. The <i>140' long bridge</i> included partial girder span and partial slab spans. The design included pile length calculations, scour analysis, a sheet pile wall, and bulkhead.



Firm employed by: Meyer Engineers, Ltd.							
Name Mark A. Schutt, P.E.	Years of relevant experience with this firm/employer 2	23					
Title Civil Engineer	Years of relevant experience with other firm(s)/employer(s)	2					
Degree(s) / Years / Specialization	M.S. Civil Engineering, 1999, Tulane University	E a a f					
	B.S. Civil Engineering, 1997, Tulane University						
Active registration number / state / expiration date	30528/LA/03-31-2023						
Year registered 2003 Discipline	Civil Engineering						
Contract role(s) / brief description of responsibilities	Hydraulic Design						
Experience dates Experience and qualifications rele	evant to the proposed contract; i.e., "designed drainage", "designed	d girders", "designed					
(mm/yy-mm/yy) intersection", etc. Experience date	es should cover the time specified in the applicable MPR(s).						
Mark A. Schutt, P.E. has over twenty-five years of experience	in Civil Engineering and Structural Engineering, and Project Management. H	Ie is involved with many					
aspects of administering engineering projects which include cli	ent contact, cost estimates, design plans and specifications, construction admir	istration, and preparation					
of reports. He participates in most facets of Civil Engineering	design including roads, bridges, drainage, sanitary sewer, water, environment	al, and structural. He has					
wastewater projects in the region Mr. Schutt's professional me	merships include ASCE APWA LES and NSPE	on several dramage and					
04/18-10/19 Hurricane Isaac Drainage Improvement	<i>nts. Jefferson Parish:</i> Project Engineer for drainage improvements in the Tow	n of Jean Lafitte. Design					
was done for a 10-year storm event in ac	was done for a 10-year storm event in accordance with Jefferson Parish Drainage Standards and the drainage was tied into the existing drainage						
system. Subsurface drainage improveme	ents were completed on the following streets: Madeline Lane, Church Street, C	Dak Drive, and Hwy. 45.					
Construction Cost: \$2.4M							
04/12-06/16 Lafitte Drainage Improvement Program	n, Jefferson Parish: Project Engineer for the engineering and project management	nt services for the design,					
preparation of plans and specifications	, and construction administration for the Drainage Improvement Program. I	Ine project included the					
areas to improve the drainage conveyand	the existing pump stations. Tasks included coordination for Community De	velopment Block Grants					
(CDBG), providing environmental clear	ance, completing DOTD utility permits, design, construction administration ar	d inspection. Mr. Schutt					
coordinated work with Town of Jean La	fitte, Jefferson Parish Drainage and Engineering Departments, Jefferson Parish	Administration, and U.S.					
Department of Housing and Urban Dev	elopment (HUD). Mr. Schutt completed the design of four (4) Bid Packages. I	Mr. Schutt also provided					
Project Management, which included c	oordinating several design consultants in the preparation of the Construction	Documents for the Bid					
Packages. MI. Schutt also completed the	<i>Earlie Master Drainage Flan which precipitated this project. Construction Construc</i>	Tity of Harahan to create					
a Stormwater Management Program whi	ch included the following: Creation of maps <i>identifying flood prone areas</i> : Field	investigation of location					
and conditions of existing culverts as	potential problems; Researched previous drainage studies and their recomm	endations; Analyzed the					
problem areas identified by the City, Par	problem areas identified by the City, Parish, Soniat Drainage Advisory Board and local residents; Created computer models of existing interior						
drainage system and improved condition	is for 10-year storm event using the EPA Storm Water Management Model (SV	VMM).					
U8/U0-U6/11 State Project No. 742-26-0044: Harvey	Boulevard: Wall Blvd. to Engineers Road, Jefferson & Plaquemines Paris	hes: Project Engineer for					
narvey Boulevard from wall Boulevard	to Engineers Road (approximately 4,000 Lr), located in Jenerson Parish and ded four (4) 12' lanes concrete curbs new traffic signals and subsurface dr	ainage The project also					
included two 250-feet long girder span l	bridges, drainage outfalls, backfilling a major canal, and bulkheading around an	existing 30-inch gas line					
The work also included <i>concrete widen</i>	ing and patching along Engineers Road (LA 3017), and a 180' long pile suppo	rted approach slab over a					
backfilled canal to avoid future settleme	nt problems. Construction Cost: \$8.9M						



Firm employed by:	Meyer Engineers, Ltd.						
Name Donovan	P. Duffy, P.E.	Years of relevant experience with this firm/employer 7					
Title Civil Eng	ineer	Years of relevant experience with other firm(s)/employer(s) 10					
Degree(s) / Years	/ Specialization	B.S. Civil Engineering, 2013, Louisiana State University	20				
Active registration	n number / state / expiration date	41844 / LA / 03-31-2024					
Year registered	2017 Discipline	Civil Engineering					
Contract role(s) /	brief description of responsibilities	Hydraulic Design					
Experience dates	Experience and qualifications relevent to the section of the secti	vant to the proposed contract; <i>i.e.</i> , "designed drainage", "designed s should cover the time specified in the applicable MPR(s)	girders", "designed				
Donovan Duffy, P.E. He has extensive exp drainage design, inclu- stations, force mains includes coordination review; evaluation o SWMM, PCSWMM, modeling efforts on Manual", "Bridge M "Recommended Stan 10/20-Present	Donovan Duffy, P.E. has over ten years of experience uncessiondud cover the time specified in the apprecisite with R(s). Donovan Duffy, P.E. has over ten years of experience in Civil and Structural Engineering and Construction Management and has a Master's in Business Administration. He has extensive experience leading design and construction administration operations within a diverse range of industries and government entities. He specializes in drainage design, including hydraulic modeling. He is also involved in many fields of civil engineering design including roads, drainage, sanitary sever: collection, lift stations, force mains and treatment systems, water treatment and distribution networks, environmental and recreation. His experience in construction administration includes coordination with contractors and clients; organization, oversight, and record-keeping of preconstruction and construction progress meetings; shop drawing review; evaluation of change orders and pay requests; and various other construction coordination responsibilities. He is experienced in <i>Hydraulic Modeling</i> using SWMM, PCSWMM, HEC-RAS, HydroCad, ARCGIS, and QGIS software. He recently attended a <i>PCSWMM seminar</i> in Atlanta to serve as a guest presenter for his modeling efforts on numerous projects in the South Louisiana area. He has designed projects in accordance with DOTD's "Roadway Design Manual", "Hydraulics Manual", "Bridge Manual", AASHTO's "Green Book", the "Louisiana Standard Specifications for Roads and Bridges", "American Concrete Institute Standards", "Recommended Standards for Wastewater Facilities (Ten States Standards), and the "AISC Manual of Steel Construction". <i>I0/20-Present</i> <i>Guerenger Canal Crossing Bridge, St. Bernard Parish</i> : Project Engineer for the installation of a new 40' wide x 65' long (Con-Span) <i>concrete</i> <i>bridge span structure</i> for Entergy and St. Bernard Parish. The design includes special vehicle loading criteria as provided by Entergy for their future sub-station. The project also i						
04/18-Present	Beaver Creek Drainage Improvements / and Benefit Cost Analysis for the Beaver (Center Street) which will include analy Interstate 55 and Tangipahoa River and p PCSWMM. Construction Cost: \$2.8M (E	<b>Retention Pond, Tangipahoa Parish:</b> Project Engineer preparing the <b>Hydrolog</b> r Creek drainage basin in the Village of Tangipahoa at the intersection of LA Hy rzing the effects of the upstream and downstream flow for the Beaver Creek performing <b>Hydraulic Analysis</b> for the 25-year and 100-year design storm even (SST)	y & Hydraulics Report wy. 51 and LA Hwy. 44 drainage basin between at using HEC-RAS and				
12/16-12/19	St. Bernard Master Drainage Plan, St. study limits were the Orleans Parish line, first phase maps were prepared to identify the project included <i>hydraulic modeling</i> , the water surface elevations for the requ prioritized list of recommended projects a	<b>Bernard Parish:</b> Project Manager in charge of the <b>Drainage Master Plan</b> for Mississippi River levee, and the Lake Borgne Basin Levee District Back Protect y flood prone areas, repetitive loss areas, and areas which have flooded in the pa <b>and impact hydraulic analysis</b> for all major canals in St. Bernard Parish. <b>Lidan</b> tired design storms. During the third phase of the project, a preliminary proba and a final report were completed.	St. Bernard Parish. The tion Levees. During the ist. The second phase of <i>r data</i> was used to show ble construction cost, a				



	RESUME CONTINUED (DONOVAN DUFFY)						
09/18-08/20	Montz Master Drainage Plan, St. Charles Parish: Project Manager who prepared the Master Drainage Plan for Montz in St. Charles Parish.						
	The study limits were from LA 3217 in Laplace to the spillway levee in St. Charles Parish. The scope included performing a <i>hydraulic impact</i>						
	study for both existing and proposed conditions. The study included working along Airline Highway and took the future West Shore Levee project						
	into consideration.						
11/20-Present	Oak Park Drainage / Helen Pond Drive Improvements, St. Tammany Parish: Project Manager preparing a Hydrology & Hydraulic (H&H)						
	<i>Report</i> for the Oak Park Estates and Ruelle Du Chene Subdivision in Mandeville. The proposed H&H model shall reflect proposed improvements						
	to streets contained in Oak Park Subdivision. The project also includes a proposed retention pond (approximately 10 acres) located east on Gail						
	Street on undeveloped land. Construction Cost: \$2.2M (EST)						



Firm employed by:	Meyer Engineers, Ltd.					
Name Tyler J. C	Settys, P.E.	Years of relevant experience with this firm/employer 3				
Title Civil Eng	ineer	Years of relevant experience with other firm(s)/employer(s) 4				
Degree(s) / Years	/ Specialization	B.S. Civil Engineering, 2017, Louisiana State University				
Active registration	n number / state / expiration date	46806 / LA / 09-30-2024				
Year registered	2022 Discipline	Civil Engineering				
Contract role(s) / 1	brief description of responsibilities	Civil Engineering Design				
Experience dates (mm/yy-mm/yy)	Experience and qualifications rele "designed intersection", etc. Exper	vant to the proposed contract; <i>i.e.</i> , "designed drainage", "designed girders", rience dates should cover the time specified in the applicable MPR(s).				
Tyler J. Gettys has ov	ver seven years of engineering experience a	and will assist with engineering design and CADD drafting. His experience includes roadway design,				
bridge replacements,	safety projects, roundabouts, and signalize	ed intersections. He has developed typical sections, summary of quantities, design plan and profiles,				
geometric details/gra	phical grades, pavement marking/signing	sheets, sequencing of construction and detour signing, diversion bridges and cross sections. He is				
proficient in Bentley	Software Systems including MicroStation	n, Inroads & ProjectWise, AutoTURN, IHSDM Safety Predictive Analysis, AASHTO Ware Project				
Preconstruction Softv	vare, AutoCAD, GIS systems, HYDRWIN	Hydraulic Software and Watershed Modeling System (WMS).				
01/18-Present	State Project No. H.013850: Duplessis	Road Safety Widening, Ascension Parish: Project Engineer for the Duplessis Road Safety Widening				
	Project. Duplessis Road is categorized as an Urban Collector Roadway that provides a connection between major LA DOTD roads: Airline					
	Highway (US 61) and Old Jefferson High	way (LA Highway 73). As part of the Move Ascension roadway improvement program, Meyer is tasked				
	with designing the <i>full roadway reconstr</i>	<i>ruction</i> of the 1.65-mile portion of the road to <i>widen the road</i> from 18' wide to 26' wide (two (2) 11')				
	for traveling motorists. Also included it	s). The <b>routiway and shoulder sajety witening</b> will alde in vehicle recovery and provide a saler roadway				
	Construction Cost: \$5.2M (EST)	i uns project is the dramage design and layout of the new subsurface and loadside ditch sections.				
01/21 Dras and	Laffargan Highway at Plughar at Paula	mand East Paton Pougo Danish, Project Engineer for the Jefferson Highway at Diveloper at Devlayard				
01/21-Fresent	Intersection project As part of the MOI	<b><i>FRR</i></b> Program the project includes artending the north and south bound left turn lanes and right				
	<i>turn lanes</i> on Bluebonnet. Other work in	cludes drain inlet structures, driveways, and light pole relocations. Construction Cost: \$1.3M (EST)				
09/20-Present	Bainbridge Canal Closure and Roadway	<i>Timprovements, Jefferson Parish:</i> Project Engineer for the <i>drainage and road improvements</i> between				
	Veterans and Terminal Drive. The project	t consists of the replacement of approximately 1,900 feet of earthen canal with concrete box culverts.				
	The work also includes roadway improv	rements, drainage, street lighting, traffic improvements, and landscaping. Construction Cost: \$21.4M				



RESUME CONTINUED (TYLER GETTY)							
2018-2021	Mr. Gettys previously worked for the Louisiana Department of Transportation and Development (LADOTD) (2018-2021), where he was a Roadway Designer who designed/developed roadway plans. Below are projects he worked on with LADOTD:						
	State Project No. H.012852: I-20 WB Off Ramp at LA 617, Ouachita Parish: Roadway Designer: I-20WB Off Ramp is classified as an Urban Ramp Roadway that provides connectivity between the major LADOTD and U.S. routes of LA 617 and U.S. I-20. As part of the LADOTD Safety Program, the I-20 WB Ramp was selected to have a signalized right turn lane added at the intersection of the ramp and LA 617. Additionally, the existing right turn lane was modified from a yield condition to a signalized one providing a total of two (2) signalized right turn lanes. The roadway safety and widening and signalization aids in reducing rear end crashes at the intersection. The project consisted of PCCP, base course, roadway striping, and new curb and gutter. Construction Cost: \$800K						
	State Project No. H.001140: LA 124: Hooter Creek Bridge, Catahoula Parish: Roadway Designer: LA 124 is classified as a Rural Collector Roadway with a concrete slab span bridge crossing Hooter Creek. The roadway is a major route for timber trucks, thus replacing the bridge will continue to provide a logging route for years to come. The existing bridge had deteriorated to the point where it had to be replaced and roadway approach for the bridge realigned and brought up to current DOTD standards. The project consisted of spot replacing asphalt roadway, base course, grading, and a concrete slab span bridge. Engineering design consisted of roadway geometrics, superelevation, construction sequencing, the alignment design of a detour bridge, and roadway plan preparation. Construction Cost: \$1.7M						
	<ul> <li>State Project No. H.012052: LA 3092 Roundabout   Calcasieu Parish: Roadway Designer: LA 3092 is classified as an Urban Arterial Roadway that is at the intersection of local parish roads West Gauthier and Lake Street. A traffic study and roundabout justification report concluded that a roundabout at the intersection would reduce traffic and increase safety over the next 20 years. Additionally, drainage structures at the intersection are undersized and will be replaced with subsurface drainage. The project consisted of a PCCP roundabout, drainage structures, base course, detour roadways, grading, curb, and gutter. Engineering design consisted of roundabout geometrics, design calculations, construction sequencing, and roadway plan preparation. Construction Cost: \$2.3M (EST)</li> </ul>						



Firm employ	<b>ed by</b> S	JB Group, LLC					
Name	Wilfred	Barry, PE, PLS			Years of relevant experience with this employer	47	
Title	Secretar	etary			Years of relevant experience with other employer(s)	1	125
Degree(s) / Y	/ears / Sp	ecialization		Bachelor o	of Science / 1974 / Civil Engineering		
				Louisiana	State University		
Active regist	ration nu	mber / state / expira	tion date	PE.001745	52 / Louisiana / 03.31.2024		
Year register	ed	1978	Discipline	Civil Engin	eering		
Active regist	ration nu	mber / state / expira	tion date	PLS.00046	512 / Louisiana / 03.31.2024		
Year register	ed	1989	Discipline	Land Surv	eying		
Contract role	e(s) / brie	f description of respo	onsibilities	Principal-	in-Charge. Mr. Barry has over forty-five years of experier	nce in	the engineering
				and surve	ying fields and will serve as Principal-in-Charge for SJB Gro	up on	this project. Mr.
				Barry is a	ctively engaged in the overall management of the firm	's Surv	veying, SUE and
				Engineerir	ng services, which require daily interaction with parish a	nd pri	vate authorities
				regulating	; land use and zoning, development activities, and pro	perty	ownership and
				transfer. <b>N</b>	Mr. Barry fulfills MPR 4 for this contract.		
Experience d	Experience dates Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , "designed drainage", "designed girders", "desig			ers", "designed			
(mm/yy–mm	n/yy) in	tersection", etc. Exp	erience dates s	hould cove	r the time specified in the applicable MPR(s).		
11/21 - 03	/22 LA	LA 30 Roundabouts Subsurface Utility Investigation (Tanger Mall and I-10) – City-Parish Project No. 20-2057					
	Pr	Principal-in-Charge / SUE Engineer. SJB Group performed 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			and I	-10 in Ascension		
	Parish. Prior to Quality Level A service			s, extensive	e Quality Level D records research was completed to aid i	n the	subsequent SUE
	de	esign. The accurate lo	cation of these	utilities was	s critical to alleviate disruptions to utility services and con	flicts a	nd delays to the
	CC	onstruction of the pro	ject in this heav	vily congest	ed area.		
10/21 - 03	/22   Pi	urpera Avenue Drain	age Improveme	nts			
	Pr	rincipal-in-Charge / S	UE Engineer. S.	JB Group p	rovided a topographic survey and Subsurface Utility Er	igineei	ring designating
	(C	Quality Level B) and lo	cating services (	Quality leve	el A) in accordance with ASCE 38-02 for all utilities owned b	y the (	City of Gonzales.
	Pr	rior to Quality Level A	A and B services	, extensive	Quality Level D records research was completed to aid i	n the	subsequent SUE
	de	design. The overall efforts established an extensive topographic survey and Quality Level B map with Quality Level A information				el A information	
	throughout the project corridor. The accurate location of these utilities was critical to allow for the proper design of the draina					of the drainage	
07/04 40	Sy (2.1	system.					
05/21 - 10	/21	IOVEBR Jefferson at C	orporate Inters	ection – Cit	ty-Parish Project No. 20-CP-HC-0034		
	<i>Pr</i>	rincipal-in-Charge / Sl	JE Engineer. SJB	Group per	tormed a topographic survey, property survey, Right- of-V	vay m	aps, and Quality
	Le	ever C and Quality Lev	ei B SUE servic	es for all ut	ilities of the Jefferson Hwy and Bluebonnet Intersection	as a su	ip-consultant to
	Bi	uchart Horn. Prior to	Quality Level E	and C serv	vices, extensive Quality Level D records research was co	mplet	ed to aid in the



	subsequent SUE design. The accurate location of these utilities is of the utmost importance for successful design and construction of this roadway project.
04/21-07/21	Hooper Road Widening (LA 3034 – LA 37) - LA DOTD Project No. H.009300.5
- , - ,	Principal-in-Charge. SJB Group completed a topographic survey and subsurface utility engineering project for a one mile stretch
	of LA Hwy 408 in East Baton Rouge Parish, LA. The topographic survey was an update to a survey done previously by SJB and
	included locating and verifying all changes to the one mile site since the previous survey was completed in 2014. An updated
	drainage map was also completed for this project. 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.
03/21 - 05/22	MovEBR Nicholson Segment 2 – City-Parish Project No. 20-CP-HC-0032
	Principal-in-Charge. SJB Group was tasked to provide topographic survey, scanning, property and right-of-way survey, and ASCE
	38-02 Quality Level B and C subsurface utility engineering by City-Parish for the MovEBR project on Nicholson Rd. in East Baton
	Rouge Parish, LA. This effort required detailed record research, field investigations and data management. The accurate location
	of these utilities is critical for the ultimate design and construction of the project.
11/17 – 08/18	LA 23: Belle Chasse Bridge & Tunnel HBI – LA DOTD Project No. H.004791.5
	Principal-in-Charge / SUE Engineer. SJB Group performed SUE services for the design of a new bridge and tunnel crossing the
	Intracoastal Canal along LA 23 in Plaquemines Parish. This project required ASCE 38-02 Quality Level A and B services. Prior to
	Quality Level A and B services, extensive Quality Level D records research was completed to aid in the subsequent SUE design.
	After compiling the Quality Level B map, the Quality Level A scope of the project was started in an effort to establish exact location
	and elevations on critical utility systems 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.
10/17 – 02/18	Ford Street Extension – LA DOTD Project No. H.011310
	Principal-in-Charge / SUE Engineer. SJB Group performed subsurface utility engineering for a topographic survey to extend Ford
	Street from Plank Road to Howell Blvd. This project required ASCE 38-02 Quality Level B services throughout the project limits and
	ASCE 38-02 Quality Level A services for all utility lines greater than 4" in diameter. SJB designated 13,000 linear feet of subsurface
	utilities and performed 9 test holes. 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 Quality Level B map with Quality Level
04/45 00/45	A Information throughout the project corridor.
04/15 - 09/15	Central SSO-PS 42 Force Main Construction – Project No. 10-FM-MIS-0036A
	Principal-in-Charge / SUE Engineer. SJB Group performed topographic surveying, property surveying, right-of-way maps, and SUE
	tasks on the Central Consolidation PS 42 Force Iviain Project for East Baton Rouge Parisn. SJB provided ASCE 38-02 Quality Level A
	design
	นธรรมเ



Firm employ	ed by SJB Group, LLC						
Name	Matthew Estopinal, PE, PLS			Years of relevant experience with this employer	1.5		
Title	Chief Operating Officer / Sur	vey Department	Manager	Years of relevant experience with other employer(s)	15	P.S.	
Degree(s) / Y	ears / Specialization		Bachelor	of Science / 2009 / Civil Engineering			
			Louisiana	State University			
Active registration number / state / expiration date			PE.00391	51 / Louisiana / 03.31.2023			
Year register	ed 2014	Discipline	Civil Engir	neering			
Active regist	ration number / state / expir	ation date	PLS.00049	955 / Louisiana / 03.31.2023			
Year register	ed 2006	Discipline	Land Surv	eying			
Contract role(s) / brief description of responsibilities Survey Project Manager. Mr. Estopinal has more than fifteen years of exper- Professional Land Surveyor in the state of Louisiana on transportation and co development related projects. His work experience includes ALTA surveys, surveys, topographic surveys, and Right-of-Way maps for state, municipal, and clients. His duties include coordination of staff, responsible charge of all plan p all field inspections and the preparation of detailed construction plans on all type He is thoroughly familiar with City-Parish and LA DOTD procedures, manuals, and programs with respect to all requirements. Mr. Estopinal fulfills MPR 4 for this			and community rveys, boundary pal, and private plan production, all types of work. als, and software or this contract.				
Experience d (mm/yy–mm	ates Experience and quali n/yy) intersection", etc. Ex	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).					
03/22 – Ong	oing LA 385: Ryan Street In Project Manager. A to Street) and near the ca finish floor elevations	LA 385: Ryan Street Intersection Improvements – LA DOTD Project No. H.012685.5 Project Manager. A topographic survey was required in Calcasieu Parish, Louisiana near the intersection of I-210 and LA 385 (Ryan Street) and near the campus of McNeese State University. The survey included all utilities with depths and all drainage, along with finish floor elevations of all buildings that fell within the survey limits. The total linear distance is approximately 2.67 miles.					
02/22 – 06/22 LA 3021: Dual Turn Lanes @ LA 38 – LA DOTD Project No. H.014752.5 Project Manager / QA/QC. LA DOTD tasked SJB Group to perform a topographic survey in Orleans Parish, Louisiana. The surver was located at the intersection 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. The project had a total linear distance of approximatel 3,600 feet.					iana. The survey ies with depths, of approximately		
11/21 – 12,	1/21 – 12/21       Conway Development Topographic Survey for Novus Reb Engineering         Project Manager. This project consisted of performing a topographic survey of a tract in the Conway development and is limited to running cross-sections through the topo limits. Shots were taken with the use of a robotic total station and 360d prism mounted on a closed cab UTV. Horizontal and vertical control was established at the site with Leica SmartNET RTN.					nt and is limited I prism mounted	



07/21 - 02/22	UP RR Corridor (Plaquemine) – LA DOTD Project No. H.012851
	Project Manager / QA/QC. SJB Group performed a complete topographic survey including all utilities, depths and drainage, along
	with finish floor elevations of all buildings that fell within the survey limits at the intersection of LA 1 and Bayou Rd., and the
	intersection of Belleview Dr. and Railroad Ave.
03/21 – 05/22	MovEBR Nicholson Segment 2 – City-Parish Project No. 20-CP-HC-0032
	Survey Project Manager. A topographic survey with scanning, property and right-of-way survey, and subsurface utility engineering
	were completed by SJB Group for this project.
07/20 - Ongoing	Rural Bridge Replacement Initiative - LA DOTD Contract No. 44-17597
	Project Manager. Topographic 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 cross sections of
	all drainage ways.
03/20 - 12/21	St. Francisville Sewer Treatment Plant, Pump Stations, and Force Mains
	Project Manager. The project includes a topographic survey and boundary and servitude maps for the force main route
	(approximately 8,000 linear feet), pump station, and treatment plant site.
01/18 - 12/18	I-49 Lake Charles – LA DOTD Project No. H.004273.5
	Liaison/Coordinator. This project required topographic and property/Right-of-Way surveying maps for the proposed I-49
	improvements in Lafayette. While working for Stantec, Mr. Estopinal served as in-house coordinator and liaison between Stantec
	and sub-contractor firms performing the surveying work on the project.
05/16 – 12/19	Water Campus in Downtown Baton Rouge
	Project Manager. A topographic survey and drainage design were completed for the Water Campus location in downtown Baton
	Rouge. Project included rehabbing five existing roads (Arches St, Aztec St, Gila St, Oklahoma St and Terrace Ave) and addition of
	the new Water St. Project progressed from survey to design to construction stakeout and construction administration.
09/95 – Ongoing	Various Community Development Projects in Louisiana
	Surveyor of Record/Project Manager/Party Chief. These projects included the topographic & boundary surveys of parent tracts,
	resubdivisions and Final Plat mapping dedicating new lots of records and Right-of-Ways for development projects, located
	primarily in southeastern parts of the State. Additionally work included the resurvey, resubdivision or combination of lots for non-
	development properties or commercial outparcels.



Firm em	ployed by	SJB Group, LLC						
Name	ame Colby Mire, LSI				Years of relevant experience with this employer	6		
Title	Assistant	Survey Department	t Manager		Years of relevant experience with other employer(s)	0		
Degree(	s) / Years /	Specialization		Bachelor	of Science / 2015 / Construction Engineering Technology			
				Southeast	tern Louisiana University			
Active re	egistration	number / state / e	xpiration date	LSI.00007	36 / Louisiana / 09.30.2024			
Year reg	istered	2022	Discipline	Land Surv	veyor Intern			
Contract	t role(s) / b	rief description of <b>i</b>	responsibilities	Senior Su	rvey Technician. Mr. Mire has worked as a rodman, party	/ chief, se	nior technician,	
				and proje	ect manager for SJB Group. He has worked on num	erous pro	ojects involving	
				topograph	hic, boundary, and right-of-way surveys, as well as mobile	LiDAR sc	anning. His field	
				experienc	e includes numerous DOTD projects, boundary surveys,	, construc	ction stakeouts,	
				and topog	graphic and right-of-way surveys throughout Louisiana. M	r. Mire is	familiar with LA	
		· - · ·		DOTD Loc	cation and Survey procedures, manuals, and software prog	grams.		
Experier	nce dates	Experience and o	qualifications re	levant to t	the proposed contract; <i>i.e.</i> , "designed drainage",	ned gird	ers", "designed	
(mm/yy	– mm/yy)	intersection", etc	. Experience da	tes should	cover the time specified in the applicable MPR(s).			
		S. Lewis St Widening - LA DOTD Project No. H.013522 (Prime: Meyers Engineers, Ltd.)						
07/22 -	- Ongoing	Project Manager/Senior Technician. This project consists of providing a topographic survey for the S. Lewis Street widening						
	- 0- 0	project in accordance with DOTD procedures. The topographic survey shall extend past the apparent right-of-way to						
		accommodate the	e road widening.				•	
		US 167 - Camellia Bivd-Churchill Dr - LA DOTD Project No. H.013716 (Prime: Digital Engineering & Imaging, Inc.)						
0.6 /00	<b>o</b> .	Project Manager/Senior Technician. This project includes thorough topographic survey of the area identifying trees,						
06/22 -	- Ongoing	bushes/shrubs, u	bushes/shrubs, utility poles, direction of overhead wires, type of pavement surfaces, water meters, sewer cleanouts, fences,					
		water valves, mannoles, drainage structures, gas meters, traffic signals, traffic signs, bus shelters, fire hydrants, type of drainage						
		pipes, unveway w	Noth, etc. as we					
07/24	02/22	UP KK Corridor (Plaquemine) - LA DOTD Project No. H.012851						
07/21	-02/22	Project Manager/Senior Technician. This project included a topographic survey with all utilities and depths at the intersection						
LA 1 and Bayou Road, and the intersection of Belleview Dr. and Kaliroad Ave.								
		Hooper Road Wie	dening (LA 3034	– LA 37) - L	A DOID Project No. H.009300.5			
04/21	-07/21	Project Wanager/	Senior Lechnicia	in. A Topog t Datam Dat	graphic survey and subsurface utility engineering were co	mpleted I	Dy SJB for a one	
	01/21 07/21	mile stretch of LA	n mwy 408 in Eas	i Balon Kol	uge Parish, LA. The topographic survey was an update to	a survey (	aone previously	
		DY SIB and includ	eu locating and v	vernying all	changes to the one mile site since the previous survey wa	is comple	ieu ili 2014.	



07/20 - Ongoing	Rural Bridge Replacement Initiative - LA DOTD Contract No. 44-17597
	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 cross sections
	of all drainage ways.
	US 11 Norfolk Southern RR Overpass (HBI) - LA DOTD Project No. H.000688.5
04/20 – 11/20	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.
	US 90 - Pearl River Bridges (HBI) - LA DOTD Project No. H.000284.5
04/20 - 06/20	Junior Project Manager. Topographic survey and mobile LiDAR scanning along US 90 and west of Pearl River in St. Tammany
04/20 00/20	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.
	LA 182 Barrow Street Bridge - LA DOTD Project No. H.012735.5
04/19 - 08/19	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.
	LA 1 / LA 415 Connector - LA DOTD Project No. H.05121.5
04/10 - 08/10	connector readway from LA 415 to LA 1. The project rap along a corrider beginning porth of the intersection of L10 and LA 415
04/19 - 08/19	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.
	I-10 Paris Road - Lake Pontchartrain - LA DOTD Project No. H.012591
10/10 04/10	Junior Party Chief. This project included complete topographic survey including utilities with depths and all drainage for an 8.24
10/18 - 04/19	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.
07/17_01/10	I-12 (LA 21 to US 190) & I-12 (US 190 to LA 59) - LA DOTD Project Nos. H.011137 and H.011152
07/17 = 01/19	Junior Party Chief. SJB Group was prime on these projects and performed Topographic Survey alongside Lazenby.
	US 190 Collins Blvd Widening - LA DOTD Project No. H. 004987
	Junior Party Chief. SJB performed a topographic survey and a drainage map in St. Tammany Parish. The project began 2,770 feet
06/17 – 02/18	north of the intersection of North Collins Blvd (Hwy 190) and Branch Crossing Dr. From this point, the project proceeded south
	along North Collins Blvd. for approximately 3.5 miles, ending 920 feet south of the intersection of Rogers Lane and Hwy 190.
	This project allowed for improvements along North Collins.



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285 (Ryan St) and near the campus of McNeese State University. The survey includes all utilities and all drainage, along with					
elv 2 67 miles					
IA 3021: Dual Turn Lanes @ LA 39 - LA DOTD Project No. H.014752.5					
y was located at					
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oximately 3,600					
elevations of all					
and Bayou Rd.,					
acad 22 bridge					
senior recrimician. Topographic surveys, right-of-way mapping, and road design performed for the proposed 33 bridge					
the project limits as well as a complete inventory for each drainage structure (type, size, length, and invert), and cross soctions					
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04/20 - 11/20	US 11 Norfolk Southern RR Overpass (HBI) – LA DOTD Project No. H.000688.5
	Party Chief. This project included topographic survey and mobile LiDAR scanning in St. Tammany Parish along US 11 between I-
	12 and US 190.
01/20 - 08/20	LA 73: US 61 (Airline) – Essen Lane – LA DOTD Project No. H.010652.5
	Party Chief. SJB Group LLC performed a topographic survey of LA 73 (Jefferson Highway) between US 61 (Airline Highway) and
	LA 3064 (Essen Lane) for a total distance of approximately 2.2 miles. This project allowed for the replacement of existing
	pavement and repairing of curbing and sidewalks.
08/19 - 11/19	LA 3002 Access Management – LA DOTD Project No. H.011645.5
	Party Chief. SJB Group LLC performed a topographic survey of LA 3002 (Range Avenue) for a total distance of 1.033 miles. This
	project required a combination of conventional surveying methods and mobile LIDAR to collect data for the repair of curbing
01/10 07/10	and to add "J-Turn" lanes to Range Avenue.
01/19 – 05/19	LA 182 Barrow Street Bridge – LADOTD Project No. H.012735.5
	Party Chief. SJB Group was contracted to provide 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
04/10 09/10	street in downtown Houma.
04/19 - 08/19	LA 1 / LA 415 Connector – LA DOTD Project No. H.05121.5
	future connector readway from 1.0.415 to 1.0.1. The project rap along a corrider beginning parth of the intersection of 1.10 and
	14 415 and continuing in a southeasterly direction to the intersection of Beaulieu Lane and LA.1. This project tied into existing
	topographic surveys for S.P. 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
10/10 04/15	Party Chief SIB Group provided a 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. This project included topographic survey, LiDAR scanning, and SUE.
05/18 - 12/18	I-10: Loyola Interchange Improvements – LA DOTD Project No. H.011670.5
	Party Chief. SJB Group performed a full topographic survey, Quality Level B SUE, and utility surveying for the design of an
	overpass connector for the interchange of Loyola and I-10 in New Orleans providing additional access to the New Orleans
	Airport.
06/17 - 02/18	US 190 Collins Blvd Widening – LA DOTD Project No. H.004987
	Party Chief. SJB performed a topographic and boundary survey 2,770 feet north of the intersection of North Collins Blvd. (Hwy
	190) and Branch Crossing Dr. in St. Tammany Parish. SJB Group also produced a drainage map for this project. This project
	allowed for improvements along North Collins.



Firm employed by	Firm employed by SJB Group, LLC							
Name Tuesdie S	avoy		Years of experience with this firm/employer	1				
Title CAD Technician			Years of experience with other firm(s)/employer(s)	30				
Degree(s) / Years	Specialization	l A	Associates of Science / 1989 / Drafting and Design					
		l l l l l l l l l l l l l l l l l l l	Ascension Technical Institute					
Active registration	number / state / expi	ration date	I/A	and the second				
Year registered	N/A Di	scipline N	I/A					
Contract role(s) / I	orief description of res	ponsibilities S	enior Survey (CAD) Technician. Ms. Savoy has been in the D	Drafting and Design Industry				
		f	or 30 years across several disciplines in both oil and gas and t	he Municipal sector. She has				
		V	vorked as a CAD Technician on several road widening project	cts, multi-use path projects,				
		ā	nd sidewalks projects for the State of Louisiana and City-Par	ish governments.				
Experience dates	Experience and qual	ifications releva	nt to the proposed contract; <i>i.e.,</i> "designed drainage", "des	igned girders", "designed				
(mm/yy–mm/yy)	intersection", etc. E	xperience dates	should cover the time specified in the applicable MPR(s).					
	US 167 - Camellia Blv	/d-Churchill Dr -	LA DOTD Project No. H.013716 (Prime: Digital Engineering	& Imaging, Inc.)				
	CAD Technician. This project includes a thorough topographic survey of the area identifying trees, bushes/shrubs, utility poles,							
06/22 – Ongoing	direction of overhead wires, type of pavement surfaces, water meters, sewer cleanouts, fences, water valves, manholes,							
	drainage structures, §	gas meters, traff	ic signals, traffic signs, bus shelters, fire hydrants, type of drai	inage pipes, driveway width,				
	etc. as well as perform Right-of-Way survey for the project limits.							
	Pelican State Credit	Union (Prime: F	MM Maintenance)					
04/22 – 09/22	CAD Technician. This	project include	d topographic survey, construction documents, and permit	ting for the existing Pelican				
	State Credit Union Br	anch drainage i	nprovements on O'Neal Lane in Baton Rouge.					
	Southern University	Campus (Prime	PEC)					
03/22 – 05/22	CAD Technician. Top	ographic survey	and Boundary Survey were completed in support of draina	age repair and road overlay				
	project at the Southe	ern University Ca	mpus in Baton Rouge, LA.					
02/22 – 06/22	LA 3021: Dual Turn L	anes @ LA 38 –	LA DOTD Project No. H.014752.5					
	CAD Technician. LA	DOTD tasked SJ	B Group to perform a topographic survey in Orleans Parish	, Louisiana. The survey was				
	located at the intersection 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. The project had a total linear distance of							
	approximately 3,600 feet.							
	Livonia Acres Reside	ntial Subdivisio	n (Prime: Pointe Prospect, LLC)					
02/22 – Ongoing	CAD Technician. This	project includes	Boundary Survey and Re-subdivision, Topographic Survey, S	SUE, Drainage Impact Study,				
	Construction Drawing	gs, Construction	Staking, Final Plat, and As-Built Drawings.					



	Roddy Road @ LA 933 Roundabout - Parish of Ascension Project No. MA-19-03
02/22 – Ongoing	CAD Technician. This project includes road design, 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.
	Siegen-Holiday Circle Public Dedication (Prime: Stantec Consulting)
01/22 – Ongoing	CAD Technician. Boundary/Servitude Survey and Partial Topographic Survey of the Siegen Plaza site on Siegen Lane, Baton
	Rouge, LA.
12/21 - 02/22	Materra/Woman's Hospital/Airline (Prime: Stantec Consulting)
12/21 = 02/22	CAD Technician. Topographic Survey and Re-subdivision Map.
12/21 Organize	MOVEBR – Synchronization and Communication Signal Rebuilds Group 2
	CAD Technician. Drafting Field Roll Packages.
10/21 2/22	I-110: North to Plank Road – LA DOTD Project No. H.010319.5 (Prime: Buchart Horn)
10/21 - 3/22	CAD Technician. SJB Group completed the topographic survey and drawings for the stretch of I-110 from North to Plank Road.
00/21 Organization	MOVEBR – S. Sherwood Forest Boulevard Sidewalks – City-Parish Project No. 20-EN-HC-0026
09/21 – Ongoing	CAD Technician. Drafting Plan and Profile Sheets.
00/21 Organization	MOVEBR – Sherwood Forest Boulevard Multi-Use Path – City-Parish Project No. 20-EN-HC-0027
09/21 – Ongoing	CAD Technician. Drafting Plan and Profile Sheets.
	I-10: LA 415 to Essen – LA DOTD Project No. H.004100
07/21 – 09/22	CAD Technician. SJB Group performed the property survey, title takeoffs, and right-of-way maps for the segment of I-10 from
	LA 415 to Essen Lane.
	MovEBR – Siegen at Highland Intersection Improvements – City-Parish Project No. 20-CP-HC-0004
10/20 - Ongoing	CAD Technician. SJB Group has completed the topographic survey for this project and has received a Supplement 1 Task Order
	to perform the property survey and right-of-way maps for the intersection.
07/20 - Ongoing	Rural Bridge Replacement Initiative - LA DOTD Contract No. 44-17597
	CAD Technician. Topographic 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 cross
	sections of all drainage ways.
	Raven Petroleum Facility
7/17 – 11/20	CAD Technician. Developed grading plans, site plans, foundations and steel drawing for various equipment and supports, steel
	structures and platforms for equipment access, ground flare yard grading and supports.



Firm er	nployed by	SJB Group, LLC						
Name	James Du	ke Koontz			Years of experience with this firm/employer	1		
Title	Title         Survey Party Chief				Years of experience with other firm(s)/employer(s)	34		
Degree	(s) / Years /	<b>Specialization</b>		N,	Ά			
Active	registration	number / state / e	expiration date	N/	Ά			
Year re	gistered	N/A	Discipline	N,	N/A			
Contract role(s) / brief description of responsibilities			responsibilities	Su fie Kc pe ar	<b>Survey Party Chief.</b> Mr. Koontz has over thirty years of experience as a survey party chief, field coordinator, and survey technician. Accuracy and completeness of data is Mr. Koontz's utmost priority. He has extensive experience throughout the State of Louisiana performing boundary, construction stakeout, as-built, ALTA, topographic, hydrographic and right-of-way surveys using both conventional and GPS instruments.			
Experie	ence dates	Experience and q	ualifications relev	van	t to the proposed contract; <i>i.e.</i> , "designed drainage", "des	igned girders", "designed		
(mm/y	y–mm/yy)	intersection", etc	. Experience date	es s	hould cover the time specified in the applicable MPR(s).			
		US 90: Tulane Av	enue – Danzinger	Bri	dge – LA DOTD Project No. H.014886.5 (Prime: Stanley Co	nsulting)		
09/22	– Ongoing	Party Chief. SJB Group is providing the topographic survey and LiDAR Scan as a sub-consultant to Stanley Consulting for the LA						
		DUID Tulane Avenue to Danzinger Bridge project along US 90.						
00/22	Ongoing	LA /3 at Cornervi	ew Roundabout -	- Pa	arish of Ascension Project No. MA-22-04	way mana and CLIE Quality		
09/22	- Ongoing	Level C services for the placement of a roundabout at LA 73 and Corperview Road in Ascension Parish						
		C Lewis Ct Widening LA DOTD Preject No. 11 012522 (Prime: Meyers Engineers 1td.)						
07/22	- Ongoing	S. Lewis St. Widening - LA DOID Project No. 6.015522 (Prime: Weyers Engineers, Ltd.)						
07722	Oligoling	DOTD procedures. The topographic survey shall extend past the apparent right-of-way to accommodate the road widening						
		US 167 - Camellia	Blvd-Churchill D	r - I	A DOTD Project No. H.013716 (Prime: Digital Engineering	& Imaging, Inc.)		
		Party Chief This project includes thorough tonographic survey of the area identifying trees bushes/shrubs utility poles						
06/22	– Ongoing	direction of overhead wires, type of pavement surfaces, water meters, sewer cleanouts, fences, water valves, manholes,						
	- 0- 0	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 for the project limits.						
02/22	2 – 06/22	LA 3021: Dual Tu	rn Lanes @ LA 38	– L	A DOTD Project No. H.014752.5			
		Party Chief. LA D	OTD tasked SJB G	rou	p to perform a topographic survey in Orleans Parish, Louisi	ana. The survey was located		
		at the intersection and finish floor e	n of LA 39 (N. Clai levations of all bu	bor uild	ne Ave.) and LA 46 (Elysian Fields Ave.), and included all uti ings within the survey limits. The project had a total linea	lities with depths, drainage, r distance of approximately		
		3,600 feet.						



	Livonia Acres Residential Subdivision (Prime: Pointe Prospect, LLC)
02/22 – Ongoing	Party Chief. This project includes Boundary Survey and Re-subdivision, Topographic Survey, SUE, Drainage Impact Study,
	Construction Drawings, Construction Staking, Final Plat, and As-Built Drawings.
	Roddy Road @ LA 933 Roundabout - Parish of Ascension Project No. MA-19-03
02/22 Obsoing	Party Chief. This project includes road design, topographic survey and Right-of-Way maps in accordance with LA DOTD Location
02/22 – Oligoling	and Survey Manual for the design of a single lane asphalt roundabout at the intersection of Roddy Road and LA 933 in Gonzales,
	LA.
	Siegen-Holiday Circle Public Dedication (Prime: Stantec Consulting)
01/22 – Ongoing	Party Chief. Boundary/Servitude Survey and Partial Topographic Survey of the Siegen Plaza site on Siegen Lane, Baton Rouge,
	LA.
12/21 02/22	Materra/Woman's Hospital/Airline (Prime: Stantec Consulting)
12/21-02/22	Party Chief. Topographic Survey and Re-subdivision Map.
10/21 2/22	I-110: North to Plank Road – LA DOTD Project No. H.010319.5 (Prime: Buchart Horn)
10/21 - 5/22	Party Chief. SJB Group completed the topographic survey for the stretch of I-110 from North to Plank Road.
06/21 - 10/22	LA 56: Boudreaux Canal MB Replacement – LA DOTD Project No. H.002244.5
	Party Chief. This project included property surveys, title take offs, and a right-of-way map along LA 56.
	MovEBR Nicholson Segment 2 – City-Parish Project No. 20-CP-HC-0032
04/21 - Ongoing	Party Chief. SJB Group is providing the topographic survey, property survey, right-of-way mapping, and SUE Quality Level B &
	C services.
	MovEBR Lee Drive (Highland Road – Siegen Road) – City-Parish Project No. 20-CP-HC-0044
03/21 - Ongoing	Party Chief. SJB Group is providing the topographic survey, right-of-way survey and mapping, and Quality Level C SUE along
	Lee Drive as a sub-consultant to Arcadis.
07/20 - Ongoing	Rural Bridge Replacement Initiative - LA DOTD Contract No. 44-17597
	Party Chief. Topographic 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 cross sections of all
	drainage ways.
11/19 – 06/22	LA 1026: Roundabout at Eden Church Road – LA DOTD Project No. H.012348.5
	Party Chief. This project included property surveys, title take offs, and a right-of-way map to prepare for the placement of a
	roundabout at Eden Church Road on LA 1026.



Firm employed by	SJB Group, LLC						
Name Tyler Fost	er		Years of experience with this firm/employer 6				
Title CAD Techr	nician		Years of experience with other firm(s)/employer(s) 0				
Degree(s) / Years /	Specialization		Associates of Science / 2016 / Drafting and Design Technology				
			ITI Technical College				
Active registration	number / state / e	expiration date	N/A				
Year registered	N/A	Discipline	N/A				
Contract role(s) / k	orief description of	responsibilities	SUE CAD Operator. Mr. Foster is involved with the preparation of boundary surveys, right-				
			of-way maps, topographic surveys, utility mapping, stakeout computations, and as-built				
			survey maps. Additionally, he has experience in the preparation of SUE field sketches,				
			electronic drawings, Quality Level B deliverable maps, and Quality Level A test hole data				
			forms. He has experience in design and drafting using CAD design software packages as				
	· _ · ·		well as MicroStation In Roads.				
Experience dates	Experience and q	ualifications relev	evant to the proposed contract; <i>i.e.</i> , "designed drainage", "designed girders", "designed				
(mm/yy–mm/yy)	intersection", etc	. Experience date	ites should cover the time specified in the applicable MPR(s).				
	UPRR Corridor (P	laquemine) – LA L					
08/21 – 03/22	CAD Technician. SJB Group performed Quality Level B, C, and D subsurface utility engineering and utility surveying 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.						
	Hooper Koad Widening (LA 3034 – LA 37) – LA DOTD Project No. H.009300.5						
04/21 – 07/21	CAD Technician. SJB performed a topographic survey, subsurface utility engineering, and an update of an existing drainage						
	map for a one mile stretch of LA Hwy 408. The topographic survey was an update to a survey done previously by SJB and						
			Pridae Perdecement I A DOTD Preject No. 11 010895 5				
02/21 06/21	LA 91: Bayou Plaquemine Brusiy Bridge Replacement – LA DUID Project No. H.010885.5						
03/21-06/21	CAD recipicition. SJB Group performed a topographic survey for Louisiana Department of Transportation and Development for						
	Nolcon Road Exte	ncion 8 Pridgo					
		The project was !	- LA DUID Flugett NO. A.UUD307				
12/10 01/20	CAD Technician.	ine project was i	i located along the Nelson Road corridor, which is located south of Contraband Bayou in				
12/19-01/20	and relocation of	an ovisting railro	and SIR performed ASCE 28.02 Quality Level R services throughout the project limits and				
	and relocation of an existing railroad. SJB performed ASCE 38-02 Quality Level B services throughout the project limits						
ASCE 38-02 Quality Lever A services for an utility lines greater than 4 in utalieter crossing the survey alignmen							



	US 190: LA 437 – US 190 BUS (PH 1) – LA DOTD Project No. H 001344
11/19 – 10/21	<i>CAD Technician.</i> This project required the roadway widening located along US 190 from LA 437 to US 190 (BUS) and adding a new westbound bridge over the Bogue Falaya River in St. Tammy Parish in the City of Covington, LA. SJB Group performed Quality Level A and B SUE for design conflicts.
04/40 00/40	LA 182 Barrow Street Bridge – LA DOTD Project No. H.012735
01/19 - 08/19	CAD Technician. SJB Group was hired by LA DOTD to provide Quality Level B SUE throughout Topographic Survey limits.
	Plank Road and Florida Blvd – Baton Rouge Transit
11/18 – 07/19	<i>CAD Technician.</i> SJB Group performed subsurface utility engineering and utility surveying for the design of new bus stops for the Capital Area Transit System along Florida Boulevard and Plank Road in East Baton Rouge Parish. This project required ASCE 38-02 Quality Level B services at certain locations where bus stops were being proposed in order to eliminate conflicts with underground utilities.
	I-10 Loyola Interchange Improvements – LA DOTD Project No. H.011670
05/18 – 11/18	<i>CAD Technician.</i> SJB Group performed SUE and utility surveying for the design of an overpass connector for the interchange of Loyola and I-10 in New Orleans providing additional access to the New Orleans Airport. This project required ASCE 38-02 Quality Level B services throughout the entire project limits and all associated surveying including above ground utility lines and features.
	I-12: US 190 to LA 59 – LA DOTD Project No. H.011152
07/17 – 11/17	<i>CAD Technician.</i> SJB Group, LLC performed subsurface utility engineering for a topographic survey to extend the existing topographic survey limits in nine areas. The additional topographic survey and ASCE Quality Level B locating services was performed along LA 59, north and south of I-12 in St Tammany Parish. SJB Group also performed the topographic survey of the original and extended limits.
	LA 44 Turn Lane at LA 621 – LA DOTD Project No. H.009956
10/16 - 10/16	CAD Technician. SJB Group was hired to perform SUE services for the LA 44 Turn Lane at LA 621 in Ascension Parish for LA DOTD under the retainer contract.
05/16 - 02/17	Chef Menteur Pass Bridges and Approaches – LA DOTD Project No. H.000263.5
	CAD Technician. SJB Group provided a topographic survey and subsurface utility engineering services for a proposed bridge replacement in Orleans Parish. Mr. Foster designed drainage maps and utility sheets.
	Hooper Road Extension – Rt. LA 408 – LA DOTD Project No. H.005403.5
02/16 - 02/17	<i>CAD Technician.</i> SJB Group performed a topographic survey of utilities and their depths as well as drainage maps. The survey was for the extension of Hooper Road across the Amite River. Mr. Foster created primary control data sheets, drainage maps, and utility sheets.



Firm employed by	ELOS Environmental, LLC						
Name Lucas Wa	atkins	Years of relevant experience with this employer	16				
Title Principal	/ Environmental Scientist	Years of relevant experience with other employer(s)	6				
Degree(s) / Years	/ Specialization	BS/ 2000 / Forest Management					
		MS / 2005 / Biological Sciences					
Active registration	number / state / expiration date	LDAF Certified Arborist, No. 19-1827					
Year registered	2010 Discipline	Arborist					
Contract role(s) / I	orief description of responsibilities	Mr. Watkins will serve as the principal (MPR #1), providing leade	rship, direction, senior-level				
		oversight, and quality control for all aspects of the project.					
Experience dates	Experience and qualifications relev	ant to the proposed contract					
Lucas Watkins is t	he President and founding Principal o	of ELOS. His experience includes environmental regulatory compliance	ce and project management.				
This includes the	management of large-scale, mu	ti-faceted projects, such as disaster recovery debris removal of	efforts, wetland restoration				
implementation, ge	overnment grant management, and c	complex construction projects. His key strengths include wetland delir	neations, wetland permitting,				
wetland restoratio	n, NEPA compliance, ASTM Phase I	ESAs, stormwater management, FERC regulatory overview and gui	dance, endangered species				
surveys, and timb	er and forest management. He has	substantial experience in permitting municipal infrastructure, level	es, borrow pits, oil and gas				
exploration, produ	ctions, and transmission activities a	s well as working on other public and private sector environmental-	-related issues. Mr. Watkins				
works to ensure th	works to ensure that ELOS acquires the best tools and techniques to guarantee efficient and cost-effective delivery of services to clients.						
09/20 – Ongoing	Ungoing S.P. H.008915.2, LA 3234 EXTENSION TO HAMMOND AIRPORT EA (LADOTD, N-Y ASSOCIATES)						
	Principal. Provided senior-level oversight and quality control for final reports. This project included a wetland delineation, section						
	404 and 401 permit applications, cultural resources site visit and report, and a threatened and endangered species survey.						
08/20 – Ongoing	S.P. H.013958, RURAL BRIDGE IN	IITIATIVE – CARPENTERS BR RD OVER WHISKEY CHITTO CR (LA	DOTD, BURK-KLEINPETER,				
	INC.)						
	Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and						
00/00 00/00	endangered species survey.						
08/20 - 03/22	S.P. H.U13959, RURAL BRIDGE	INITIATIVE - REEDS BRIDGE ROAD OVER CALCASIEU RIVER	RELIEF (LADUID, BURK-				
	KLEINPETER, INC.)						
	Project Manager. This bridge repla	cement project included a wetland delineation, permit applications, a	ind a threatened and				
00/20 - 01/22	Drojoet Managor This bridge ranks	amont project included a wetland delineation, permit applied target	NFEIER, INC.)				
	and and and an a species survey	cement project included a wetland delineation, permit applications, a					
08/20 - 03/22 08/20 - 01/22	<ul> <li>Project Manager. This bridge replated and and and and and and and and and an</li></ul>	cement project included a wetland delineation, permit applications, a INITIATIVE – REEDS BRIDGE ROAD OVER CALCASIEU RIVER cement project included a wetland delineation, permit applications, a IITIATIVE – UNNAMED WATERWAY ROUTE (LADOTD, BURK-KLEIN cement project included a wetland delineation, permit applications, a	Ind a threatened and <b>RELIEF (LADOTD, BURK-</b> and a threatened and <b>NPETER, INC.)</b> and a threatened and				



08/20 - 09/21	S.P. H.013966, RURAL BRIDGE INITIATIVE – LA 321: CREEK BRIDGES (LADOTD, BURK-KLEINPETER, INC.)
	Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and
	endangered species survey.
08/20 - 09/21	S.P. H.013968, RURAL BRIDGE INITIATIVE – LA 404: BAYOU AND CANAL BRIDGES (LADOTD, BURK-KLEINPETER, INC.)
	Project Manager. This bridge replacement project included a wetland delineation and permit applications.
08/20 – 02/22	S.P. H.013970, RURAL BRIDGE INITIATIVE – LA 717: KLONDIKE CANAL AND BAYOU BRIDGES (LADOTD, BURK-KLEINPETER,
	INC.)
	Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and
	endangered species survey.
08/20 – Ongoing	S.P. H.013976, RURAL BRIDGE INITIATIVE – LA 376: BAYOU BRIDGES (LADOTD, BURK-KLEINPETER, INC.)
	Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and
	endangered species survey.
08/20 – 01/22	S.P. H.013982, RURAL BRIDGE INITIATIVE - LA 10 SPUR, LA 1042: BRIDGES NEAR GREENSBURG (LADOTD, BURK-
	KLEINPETER, INC.)
	Project Manager. This bridge replacement project included a wetland delineation and permit applications.
08/20 – Ongoing	S.P. H.013984, RURAL BRIDGE INITIATIVE - LA-0016/WRIGHT'S CREEK, HOLDEN'S CREEK, UNNAMED DRAIN, TALLEY'S
	CREEK, BERRY'S CREEK (LADOTD, BURK-KLEINPETER, INC.)
	Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and
	endangered species survey.
08/20 – 01/22	S.P. H.013996, RURAL BRIDGE INITIATIVE – LA 1074, LA 1075: BRIDGES NEAR RIO (LADOTD, BURK-KLEINPETER, INC.)
	Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and
	endangered species survey.
08/20 - 09/21	S.P. H.013989, RURAL BRIDGE INITIATIVE – GRAYBOW ROAD/PALMETTO CREEK (LADOTD, BURK-KLEINPETER, INC.)
	Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and
	endangered species survey.
08/17 – 07/18	I-10 HIGHLAND LA 73 DESIGN-BUILD - EAST BATON ROUGE PARISH, LA TO ASCENSION PARISH, LA (LADOTD, SIGMA
	CONSULTING GROUP, INC.)
	Project Manager. Environmental compliance manager responsible for permitting and construction monitoring for the fast-track
	interstate widening project from Highland Road in Baton Rouge to LA 73 in Prairieville.



Firm employed by	ELOS Environmental, LLC						
Name Jerry V. (	Graves, Ph.D.		Years of relevant experience with this employer <1				
Title Vice Pres	sident of Coastal Resilience		Years of relevant experience with other employer(s)	19			
Degree(s) / Years	/ Specialization	PhD.	/ 2012 / Urban Studies				
		MPA	/ 2007 / Hazard Policy				
		BA /	2003 / Political Science				
Active registration	number / state / expiration date	N/A					
Year registered	N/A Discipline	N/A					
Contract role(s) / I	prief description of responsibilities	Mr. C	Graves will serve as a senior environmental scientist and project	manag	ement planner.		
Experience dates	Experience and qualifications relevant	ant to	the proposed contract				
Jerry V. Graves specializes in project management, urban and environmental planning, and emergency management. Dr. Graves is an experienced hazard mitigation, resilience, and coastal restoration planner. He is also an experienced administrator who previously worked in the public sector for over a decade. Dr. Graves currently serves as the Vice President of Coastal Resilience at ELOS, where he provides a wide range of project management and consulting services to clients throughout the region.					is an experienced ublic sector for over t management and		
09/22 - Ongoing	LOUISIANA DEPARTMENT OF WILDLIFE AND FISHERIES CONSULTING SERVICES - BATON ROUGE, LA.						
	Serves as project manager for an agency-wide project funding strategy effort and writes grants for a variety of federal programs.						
	SI. DERIVARD FARIOR COASIAL PROGRAMICONSULTING - SI. DERIVARD FARIOR, LA.						
	supporting all coastal restoration planning funding and implementation efforts in St. Bernard Parish						
08/22 - Ongoing	JEFFERSON PARISH COASTAL PI	ROGR	AM CONSULTING - JEFFERSON PARISH, LA.		6 11 1 1		
	Serves as project manager in support of the parish's effort to develop a management and mitigation strategy for the sustainable						
	redevelopment of Grand Isle, LA.						
01/20 – 07/22	CPRA ENVIRONMENTAL CONSUL	TING	SERVICES - BATON ROUGE, LA.				
	Served as project manager for Ai	rcadis	during the CPRA 2023 State Master Plan process and over	saw the	e development and		
	implementation of the agency's cor	<u>nstruct</u>	ion cost estimation tool and project database.				
01/20 - 07/22	LOUISIANA WATERSHED INITIATI	VE (LV	VI) PROGRAM CONSULTING - BATON ROUGE, LA.				
	Served as project manager for Arca	adis (s	ub-consultant to CSRS) during the development of the LWI Rec	jional Pla	anning Framework		
			JINNENI GUIDANCE IOF STATE AGENCIES.	TALL			
01/21 - 01/22	Sonvod as project manager for Area	NUIVIU adia (a	UPPORTUNITY (DEO) CDBG-WITPROGRAM CONSULTING	ion of D			
	program	auis (S		1011 01 D			
	program.						



01/18 - 09/20	ST. BERNARD PORT, HARBOR, AND TERMINAL DISTRICT GRANT SERVICES - CHALMETTE, LA.
	Served as principal consultant (Graves Public Services) and provided funding strategy and grant writing services for port security
	and development projects.
02/15 – 09/17	RAPIDES AREA PLANNING COMMISSION RESILIENCE PLAN - ALEXANDRIA, LA.
	Served as senior consultant (Graves Public Services) as a subcontractor to Frye-Magee to develop a comprehensive resilience
	plan for Rapides Parish.



Firm employed by E	LOS Environmen	tal, LLC						
Name Brian Fortsor				Years of relevant experience with this employer	7			
Title Senior Ecolog	gist			Years of relevant experience with other employer(s)	30			
Degree(s) / Years / Sp	ecialization		Juris	Doctorate/2006/Civil Cum Laude				
			BS/1	995/Wetland Ecology				
Active registration nun	nber / state / expi	ration date	N/A					
Year registered	N/A	Discipline	N/A					
Contract role(s) / brief	description of res	sponsibilities	Mr. F	Fortson will serve as the Senior Environmental Scientist and	provide	regulatory agency		
			guida him t	guidance. Brian's extensive knowledge of state and federal environmental regulations enables				
Experience dates   Ex	perience and qua	alifications releva	ant to I	the proposed contract				
Mr. Fortson has 30+ y	ears of environme	ental experience	e with p	permitting various complex developmental infrastructure project	ts. Mr. ⊦	ortson serves as a		
Senior Environmental	Scientist at ELOS	s, working with r	egulat	ory agencies such as USDA, NRCS, FEMA, USACE, DNR, and	J LDEQ.	Brian's knowledge		
or state and rederar en	vironmental regu	at ELOS on vo	S OI EX	cpenence enables him to havigate the permitting process. Wr. F	ortson a	iso provides senior		
guidance to the enviro		S at ELUS ON VE	gelali	on identification and threatened and endangered species surve	;yS.			
01/15 – 01/16 ST	STATE PROJECT NO. STP-445-1(002), US 51 BUSINESS (LA 22 TO I-12) (LADOTD, N-Y ASSOCIATES)							
Se	Senior Environmental Scientist. Mr. Fortson supervised and participated in field investigations to support wetland delineations and							
fin	findings reports, biological surveys, and threatened and endangered species reports. He also provided coordination among natural							
res	source agencies,	consultation wit	h land	owners, and outreach to public groups.				
08/17 – 07/18 <b>S.</b>	S.P. H.972275, LAND USE AND TRANSPORTATION STUDY HARRISON AVE EXT (LADOTD, PROFESSIONAL ENGINEERING							
	INSULTANTS CO	ORP.)						
Se	Senior Environmental Scientist. Assisted in the preparation of a DOTD Stage U Environmental Checklist for the extension of Harrison							
Av	Avenue in Abita Springs from LA 59 to LA 36, a distance of 1.7 miles. Desktop and field data were collected to identify relevant							
	and cultural cites, and bazardous waste cites							
09/17 - 02/21 SI	2 H 008915 2 I	A 3234 EXTENS		O HAMMOND AIRPORT ENVIRONMENTAL ASSESSMENT (LA				
Se	nior Environmen <sup>4</sup>	al Scientist Res	sponsil	ble for the supervision of fieldwork, wetland delineations, biolog	vical surv	vevs wetland value		
as	sessments, and	Section 404 apr	olicatio	on for three alternative alignments being studied for the extens	ion of E.	University Avenue		
fro	m LA 1065 to the	e Hammond Airr	port.			<b>,</b>		
05/21 – 03/22 ST	. TAMMANY TR/	ACE BRIDGE RE	PLAC	EMENT				
Se	nior Environmen	tal Scientist. Se	erved	as a Project Manager overseeing the permitting process, c	oordinati	ng with regulatory		
ag	encies, and prov	iding senior-leve	el insigl	ht for the replacement of the Trace Bridge over Little Bayou Ca	stine on	Tammany Trace.		



Firm employed by	/ ELOS Environm	ental, LLC						Meets MPR No. 5
Name Cory Ric	ks			ears of relevant experience	with this employer	(	6	
Title Project N	Vanager / Environmer	ntal Scientist		ears of relevant experience	with other employer(s)		2	
Degree(s) / Years	s / Specialization		BS/2	)15 / Biology				
Active registration	n number / state / exp	iration date	R-I-9	273-17-01464				
Year registered	2017	Discipline	proA	ive Safety Services Renovat	or Initial			
Contract role(s) /	brief description of re	sponsibilities	Cory jurisc of rep	vill serve as the Project Ma tional determinations, as we rts.	anager, providing his ex Il as managing the collect	pertise fi tion of fie	or wetlan eld data ar	d delineations and nd the development
Experience dates	Experience and qua	alifications relev	ant to	e proposed contract				
Mr. Ricks serves banks, and infras variety of project environmental an	Mr. Ricks serves as ELOS's wetland delineation specialist. Mr. Ricks has led wetland delineation efforts for multiple projects for local entities, mitigation banks, and infrastructure developments. He has provided assistance with NEPA documentation, permitting, GIS mapping, and cultural resources for a variety of projects. He currently manages a team of environmental scientists, field biologists, and data processors who all assist on a variety of any irrepresentation.						l entities, mitigation ural resources for a sist on a variety of	
08/20 – Ongoing	S.P. H.013958, RURAL BRIDGE INITIATIVE – CARPENTERS BR RD OVER WHISKEY CHITTO CR (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.							
08/20 – 03/22	S.P. H.013959, RURAL BRIDGE INITIATIVE – REEDS BRIDGE ROAD OVER CALCASIEU RIVER RELIEF (LADOTD, BURK- KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.							
08/20 – 01/22	S.P. H.013963, RURAL BRIDGE INITIATIVE – UNNAMED WATERWAY ROUTE (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.							
08/20 – 09/21	S.P. H.013966, RU Project Manager. endangered specie	S.P. H.013966, RURAL BRIDGE INITIATIVE – LA 321: CREEK BRIDGES (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.						
08/20 – 09/21	S.P. H.013968, RU Project Manager. T	S.P. H.013968, RURAL BRIDGE INITIATIVE – LA 404: BAYOU AND CANAL BRIDGES (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation and permit applications.						



08/20 - 02/22	S.P. H.013970, RURAL BRIDGE INITIATIVE – LA 717: KLONDIKE CANAL AND BAYOU BRIDGES (LADOTD, BURK-KLEINPETER,
	INC.)
	Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and
	endangered species survey.
08/20 – Ongoing	S.P. H.013976, RURAL BRIDGE INITIATIVE – LA 376: BAYOU BRIDGES (LADOTD, BURK-KLEINPETER, INC.)
	Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and
	endangered species survey.
08/20 - 01/22	S.P. H.013982, RURAL BRIDGE INITIATIVE – LA 10 SPUR, LA 1042: BRIDGES NEAR GREENSBURG (LADOTD, BURK-
	KLEINPETER, INC.)
	Project Manager. This bridge replacement project included a wetland delineation and permit applications.
08/20 – Ongoing	S.P. H.013984, RURAL BRIDGE INITIATIVE – LA-0016/WRIGHT'S CREEK, HOLDEN'S CREEK, UNNAMED DRAIN, TALLEY'S
	CREEK, BERRY'S CREEK (LADOTD, BURK-KLEINPETER, INC.)
	Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and
	endangered species survey.
08/20 - 01/22	S.P. H.013996, RURAL BRIDGE INITIATIVE – LA 1074, LA 1075: BRIDGES NEAR RIO (LADOTD, BURK-KLEINPETER, INC.)
	Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and
	endangered species survey.
08/20 – 09/21	S.P. H.013989, RURAL BRIDGE INITIATIVE – GRAYBOW ROAD/PALMETTO CREEK (LADOTD, BURK-KLEINPETER, INC.)
	Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and
	endangered species survey.
07/10 Oranian	
07716 - Ongoing	5.P. H.008915.2, LA 3234 EXTENSION TO HAMINIOND AIRPORT EA (LADOTD, N-Y ASSOCIATES)
	Environmental Scientist. Performed the Wetland delineation for all three routes and provided a report of the Indings. Provided
	assistance for GIS mapping of the wetlands Findings Report, Phase T Environmental Assessment Survey, and the Biological
	Assessment Survey. Provided a report of the threatened and endangered species known in the project area. Lead efforts on
	providing stream and waterbody data for each report. This project included a wetland demeation, section 404 and 401 permit
	applications, cultural resources site visit and report, and a threatened and endangered species survey.
10/17 – Ongoing	MOVE ASCENSION TRANSPORTATION MASTER PLAN DEVELOPMENT AND IMPLEMENTATION
	Environmental Scientist. Conducted wetland delineations and managed field crews conducting delineations.



Firm employed by	ELOS Environme	ental, LLC							
Name Basile Da	ardar		Years of relevant experience with this employer 1						
Title Biologist			Years of relevant experience with other employer(s) 7						
Degree(s) / Years	/ Specialization		BS/2014/Biological Sciences						
Active registration	number / state / exp	iration date	NA						
Year registered	NA	Discipline	NA						
Contract role(s) / brief description of responsibilities Mr. Dardar will serve as the Environmental Biologist, providing his expertise for inspection of responsibilities permitting, environmental surveying, developing reports, research, sampling, testing, a coordinating with agencies and clients.									
Experience	Experience and qua	alifications relev	ant to the proposed contract						
dates				la sub a la sub a sublifia al					
Mr. Dardar provid	Mr. Dardar provides environmental expertise, accurate reporting, and a high degree of professionalism to every project. Mr. Dardar is also a certified								
		ral Bridge Initiati	ve – Carpenters Br. Rd. Over Whiskey Chitto CR. (LADOTD, Burk-Kleippeter						
00/20-00/22	Mr. Dardar provide permit applications	ed environmenta , and a threaten	al biology consulting for the bridge replacement project, which included a ed and endangered species survey.	wetland delineation,					
08/20 – 03/22	S.P. H.013959, Ru Mr. Dardar served applications, and a	ral Bridge Initiati as an environm threatened and	ve – Reeds Bridge Road Over Calcasieu River Relief (LADOTD, Burk-Kleinpe ental biologist for the bridge replacement project, which included a wetland endangered species survey.	<b>iter, Inc.)</b> I delineation, permit					
08/20 – 02/22	S.P. H.013970, Ru Mr. Dardar served applications, and a	ral Bridge Initiati as an Environm threatened and	ve – LA 717: Klondike Canal and Bayou Bridges (LADOTD, Burk-Kleinpeter, ental Biologist for the bridge replacement project, which included a wetland endangered species survey.	Inc.) delineation, permit					
07/22-Ongoing	7/22-Ongoing St. Tammany Parish Lake Road Mr. Dardar serves as an environmental biologist for the bridge replacement project, which includes collecting data and documentation, impact analysis, solicitation of views (SOV), preparing a document DOTD and federal highway administration (FHWA) compliant categorical exclusion (CE), conducting a wetland delineation, and obtaining USCG and scenic rivers permits. He assists with all field work and assisting for report proparation								
04/22- Ongoing S.P. H.01362 Yellow Water Road Bridge Mr. Dardar serves as an environmental biologist for the bridge replacement project, which includes floodplain, recreational, cultural/historic, wildlife impacts desktop analysis, USACE permits, wetland delineation and jurisdictional determination, threatened and endangered species, solicitation of views, and categorical exclusion checklist. He assists with all field work and report preparation.									



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

PROJECT NO. 1											
Firm name	Meyer Enginee	rs, Ltd.		Past	Performance Evalu	ation Dise	cipline(s)*	Bridge			
Project name	Lock No. 2 Bria	lge Replacement	L			Firm res	ponsibility (j	prime or sub?)	Prime		
Project number			Owner's nam	ne	St. Tammany Par	rish Depar	rtment of En	ngineering			
Project location	t location St. Tammany Parish				Owner's Project N	<i>A</i> anager	Jason Can	nbre			
Owner's address	s, phone, email	21454 Koop Dr	rive, Ste. 2F, N	Mand	leville, LA 70471; 9	985-898-2.	552; jpcamb	ore@stpgov.org			
Services commenced by this firm (mm/yy) 04/22				Tot	al consultant contra	act cost (\$	1,000's)		\$145		
Services completed by this firm (mm/yy) On-Going					st of consultant serv	vices provi	ided by this:	firm (\$1,000's)	\$67		

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

*Meyer Engineers, Ltd. (Meyer)* is providing engineering services as required for the Lock No. 2 Bridge project located on Lock No. 2 Road in Bush, Louisiana. The project consists of preliminary and final construction plans to produce bid documents, as-designed bridge rating for the Lock No. 2 Bridge Replacement. Meyer will perform all necessary reviews of the preliminary and final plans to verify concept, constructability, and accuracy of designs with associated reports, conclusions, calculations, and recommendations. The project included LADOTD bridge design review due to Federal Highway Administration participation.

Bridge design services included *removal and replacement of existing bridges* using DOTD standard plans and details to include as-designed and as-built bridge ratings. Road design services included pavement structural design and preliminary and final roadway design. *Hydrologic and hydraulic analysis of the site* include viable drainage alternatives as specified by DOTD's Hydraulic Manual.

Meyer's tasks include the following:

- Preliminary Plans
- 🚸 Final Plans & Load Rating Analysis
- Bridge Engineering
- 🔹 Road Design
- Hydrologic and Hydraulic Analysis
- Geotechnical Engineering
- Topographic Surveying
- Environmental Engineering

*Team Members:* Richard Meyer | Jitendra Shah | Eric Colwart 100% of the work for this project was performed in Louisiana.

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		P	ROJE	CT NO. 2					
Firm name	Meyer Engineers, Ltd.		Past	Performance Evalu	ation Dis	cipline(s)*	Bridge		
Project name	Mid-Barataria Sediment Div	ersion – Bridge	(BA-)	153)	Firm res	ponsibility (	prime or sub?)	Sub	
Project number		Owner's nam	me Coastal Protection and Restoration Authority						
Project location	Plaquemines Parish			Owner's Project M	lanager	Mr. Brad	Barth		
Owner's address	s, phone, email 150 Terrace	Avenue, Baton	Roug	e, LA 70802; 225-3	842-7308;	Brad.Barth	a@LA.GOV		
Services comm	enced by this firm (mm/yy)	01/18	Total consultant contract cost (\$1,000's)					\$39,000	
Services comple	eted by this firm (mm/yy)	On-Going	Cost	t of consultant servio	ces provid	ded by this f	irm (\$1,000's)	\$779	

The Coastal Protection and Restoration Authority (CPRA), along with prime engineering consultant AECOM, will construct a sediment diversion complex near the town of Lafitte in Jefferson Parish from the west bank of the Mississippi River to the Mid-Barataria Basin. The  $\pm 2.0$  mile long, 300' *wide channel and control structure will divert sediment to build and nourish coastal wetlands*. Task Order #3 covered the Basis of Design (BOD) Phase during which the Design Team performed a feasibility-level (15% level of completion, alternatives analysis of major diversion complex components (intake, conveyance and discharge)). This effort was concluded by 11/5/2018 and subsequently Task Order #4 covered taking the approved alternative through 30% level civil, structural, geotechnical, electrical and mechanical designs of the major diversion components.

*Meyer Engineers, Ltd. (Meyer)* has been tasked with completing the following component s of work: *Plans and structural bridge design of the Highway 23* roadway which will be elevated to cross the proposed sediment diversion channel. The *85' wide concrete bridge will be 2,500' long, including approach slabs and the spanning of the 300' wide channel.* The arched bridge will maintain a 25' clearance above the proposed water surface elevation of the channel. Bridge design includes concrete deck, barriers, and girders, battered and plumb pile



*Team Members:* Richard Meyer | David Dupre | Jitendra Shah | Eric Colwart | Mark Schutt 100% of the work for this project was performed in Louisiana.

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PROJECT NO. 3											
Firm name	Meyer Enginee	rs, Ltd.		Past Perfo	rmance Evalu	ation Discipline	(s)*	Bridge			
Project name	E. Genie Street	Bridge Replacer	nent			Firm responsib	ility (p	orime or sub?)	Prime		
Project number			Owner's nat	ame St. Bernard Parish							
Project location	ocation St. Bernard Parish				Owner's Pro	oject Manager	Mr.	Donald Bourgeo	pis		
Owner's addres	s, phone, email	1125 East St. B	Bernard High	way, Chaln	nette, LA 700	43; 504-278-159	93; dba	ourgeois@sbpg.r	net		
Services comme	04/22	Total cons	sultant contra	ct cost (\$1,000's)	)		\$127				
Services completed by this firm (mm/yy) On-Going				Cost of co	onsultant servi	ces provided by	this fi	rm (\$1,000's)	\$110		

The project consists of the demolition of an existing canal crossing and *construction of a new bridge* on East Genie Street near the intersection of Golden Drive.

The existing canal crossing, which consists of two (2) large concrete culverts and concrete roadway, will be demolished, and disposed of, and the canal in this area will then be excavated to match the existing canal profile.

A *new 75' long concrete slab span bridge* will then be constructed which will consist of three (3) 25' long slab spans on bent caps with pre-cast concrete piles, 25' clear vehicle width, two (2) 6' pedestrian paths, and associated guardrails and handrails. Sidewalk extending from the new bridge to Golden Drive will then be constructed, including new ADA ramps at the intersection.

*Team Members:* Richard Meyer | Jitendra Shah | Eric Colwart 100% of the work for this project was performed in Louisiana.





			PROJ	ECT NO	. 4					
Firm name	Meyer Enginee	rs, Ltd.	Pa	st Perform	nance Evalu	ation Dise	cipline(s)*	Bridge		
Project name	Guerenger Can	al Bridge				Firm resp	ponsibility (	prime or sub?)	Prime	?
Project number			Owner's na	ime	St. Bernar	d Parish				
Project location		Owner	r's Project N	lanager	Mr. Donal	d Bourgeois				
Owner's addres	s, phone, email	1125 East St. Berna	erd Highway	, Chalme	tte, LA 7004	43; 504-2	78-1593; db	ourgeois@sbpg.	net	
Services comm	enced by this firr	n (mm/yy)	10/20	Total consultant contract cost (\$1,000's)						\$102
Services comple	Services completed by this firm (mm/yy)				<b>g</b> Cost of consultant services provided by this firm (\$1,000's)					\$67
D '1 1	• • • • • • •	C 2 1 1	ı • 1	1 /TT' 11	1	1.	.1 •	1)		

The project consists of a new 28' wide x 80' long steel girder span bridge and associated concrete pile bents, pre-cast prestressed concrete piles, concrete approach slabs, steel sheet pile walls, and rip-rap revetments. The bridge is designed to support heavy vehicle loads necessary for Entergy to construct a sub-station on the east side of the canal.

The project also includes a concrete roadway with subsurface drainage, sidewalk and ADA ramps, and a limestone road leading into the future Entergy site. Using PCSWMM, Meyer analyzed hydraulic impacts of the bridge addition on the Guerenger Canal to ensure the bridge section would not impede existing drainage for both the 25-year and 100-year storm intervals. Construction Cost: \$1.2M (EST)





*Team Members:* Richard Meyer | Jitendra C. Shah | Eric Colwart | Donovan Duffy 100% of the work for this project was performed in Louisiana.



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	PROJECT NO. 5												
Firm name	Meyer Engineers, Ltd.		Past	Performance Evalu	ation Disc	cipline(s)*	Bridge						
Project name	Filmore Avenue Canal Bridge	2			Firm res	ponsibility (	prime or sub?)	) Prime					
Project number Owner's name City of New Orleans													
Project location	Orleans Parish			Owner's Project N	<i>A</i> anager	Mr. Nguye	en Phan						
Owner's address	s, phone, email 1300 Perdid	o Street, I	New Orlean	ns, LA 70112; 504-0	658-8001;	ndphan@c	ityofno.com						
Services comm	enced by this firm (mm/yy)	02/97	Total consu	ultant contract cost (	(\$1,000's)	1		\$300					
Services completed by this firm (mm/yy) <b>10/06</b> Cost of consultant services provided							l,000's)	\$300					

*Meyer Engineers, Ltd. (Meyer)* designed and performed engineering during construction for the Filmore Avenue Bridge over the London Avenue Canal.

This provided flood protection on the London Avenue canal in accordance with the U.S. Army Corps of Engineers High Level Plan for Lake Pontchartrain. The flood protection system designed sealed bridges with high parapet walls to protect properties against water surface elevation caused by a standard projected hurricane. The bridge system withstood the storm surge from Hurricane Katrina.

The *140' long bridge* included partial girder span and partial slab spans. The design included pile length calculations, scour analysis, a sheet pile wall, and bulkhead.

*Team Members:* Richard Meyer | Jitendra Shah | David Dupre 100% of the work for this project was performed in Louisiana.





	PROJECT NO. 6												
Firm name	<b>ELOS Environme</b>	ntal, LLC		F	Past Perfo	rmance Evalu	ation Discipline(s	5)*	Environmenta				
Project name	LA 10 SPUR, LA	1042 Bridges	Near Gre	ensburg	<b>Rural Brid</b>	dge Initiative	Firm responsibil	lity (pr	ime or sub?)	Sub			
Project number H.013982 Owner's name LADOTD													
Project location	St. Helena Par	rish, LA				Owner's Pro	ject Manager	Andr	rew Ranck, P.E.				
Owner's addres	s, phone, email	1201 Capito	Access	Road, Ba	ton Rouge	e, LA, (225) 3	79-1232, dotdcs	@la.go	OV				
Services comme	08/20	Total consultant contract cost (\$1,000's)				\$1	6						
Services comple	01/22	Cost of	consultar	it services pro	vided by this firm	ı (\$1,C	)00's) \$1	6					



<u>Services Provided</u>: wetland delineations, preliminary jurisdictional determination, United State Army Corps of Engineers (USACE) nationwide permit applications, threatened and endangered species research, Categorical Exclusions checklist (CE), and solicitation of views (SOV).

ELOS was contracted by Burke-Kleinpeter to provide environmental services for H.013982. The Louisiana Department of Transportation and Development (LADOTD) proposed the replacement of four existing bridges including one site at LA 1042 over Choctaw Creek, one site at LA 1042 over an unnamed creek, one site at LA 10 Spur over Raby Branch, and one site at LA 10 Spur over St. Joseph Branch in St. Helena Parish. This project is one of many bridges part of the DOTD Rural Bridges Phase I projects, for which ELOS was the

environmental consultant conducting the environmental reviews and documentation. This project primarily involved wetland delineations and a wetlands finding report. Evidence observed and documented indicates that approximately 0.22 acre of the site location meets the established criteria to be considered "Section 404 wetlands." In addition, approximately 2.19 acre of this site meet the established criteria to be considered "other waters of the U.S." The DOTD will mitigate the wetlands impacted by construction activities for this project by minimizing impacts as listed in the Louisiana Standard Specifications for Roads and Bridges, 2016 edition, and mitigate for lost wetland habitats by reseeding with appropriate plants and seedlings. No threatened and endangered species surveys were required for this project.

Site 1. LA 1042/ Choctaw Creek: Recall No. 058492)

Site 2. LA 1042/ unnamed creek: Recall No. 058494

Site 3. LA 10 Spur/ Raby Branch: Recall No. 620045

Site 4. LA 10 Spur/ St. Joseph Branch: Recall No. 620046

Firm Personnel Involved: Cory Ricks, Hunter Perrilloux, Mike Hill, and Basile Dardar



Meyer Engineers, Ltd. Engineer & Architect

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	PROJECT NO. 7												
Firm name	ELOS Environmental, LL	C		Past Perfo	rmance Evalu	ation Discipline(s	5)*	Environmenta					
Project name	LA-4 Rural Bridge Initiativ	'e				Firm responsibi	lity (pr	rime or sub?)	Sub				
Project number	H.014268	Owne	r's name	LADOTI	C								
Project location	Jackson and Caldwell	Parish			Owner's Pro	ject Manager	And	rew Ranck, P.E					
Owner's addres	s, phone, email 1201 (	Capitol Acces	s Road, B	aton Roug	e, LA, (225) 3	79-1232, dotdcs	@la.g	OV					
Services comme	enced by this firm (mm/yy)	09/21	Total c	Total consultant contract cost (\$1,000's)					6				
Services comple	N/A	Cost c	Cost of consultant services provided by this firm (\$1,000's) \$16					6					



N/ACost of consultant services provided by this firm (\$1,000's)\$16Services Provided:wetland delineations, preliminary jurisdictional determination, UnitedState Army Corps of Engineers (USACE) nationwide and Department of Natural ResourcesCUP/Consistency Determination permit applications, threatened and endangered speciesresearch, Categorical Exclusion checklist (CE) and solicitation of views (SOV). ELOS wascontracted by Burke-Kleinpeter to provide environmental services for H.014268. TheLouisiana Department of Transportation and Development (LADOTD) proposed thereplacement of 8 separate bridges located on LA-4 in Jackson and Caldwell Parishes. Thisproject is one of many bridges part of the DOTD Rural Bridges Phase II projects, for whichELOS was the environmental consultant conducting the environmental reviews and

**documentation.** This project involved surveys for threatened and endangered species, including investigations for the Northern Long-eared Bat, Louisiana Pine Snake, and the Red Cockheaded Woodpecker. Evidence observed and documented indicates that approximately 17.40 acres of these sites meet the established criteria to be considered "wetlands" and approximately 6.05-acres of these sites meet the established criteria to be considered "other waters of the U.S.".

<u>Site 1. Unnamed Creek</u>: Recall No. 021100 <u>Site 2. Unnamed Creek</u>: Recall No. 021120 <u>Site 3. Bear Creek</u>: Recall No. 021130 <u>Site 4. Squirrel Creek</u>: Recall No. 046750 <u>Site 5. Sugar Creek</u>: Recall No. 046760 <u>Site 6. Bill's Creek</u>: Recall No. 046782 <u>Site 7. Lost Creek Relief</u>: Recall No. 046786

Firm Personnel Involved: Cory Ricks, Hunter Perrilloux, Mike Hill, and Basile Dardar



	PROJECT NO. 8											
Firm name	<b>ELOS Environme</b>	ntal, LLC		F	Past Perfo	rmance Evalu	ation Discipline(s	5)*	Environmenta			
Project name	Savanne Road B	ridge Over Ha	nson Car	nal			Firm responsibi	lity (pr	rime or sub?)	Sub		
Project number	Project number   H.014267 Owner's nar					C						
•												
Project location	Terrebonne Pa	arish, LA				Owner's Pro	ject Manager	And	rew Ranck, P.E			
Owner's addres	s, phone, email	1201 Capito	I Access	Road, Ba	ton Rouge	e, LA, (225) 3	79-1232, dotdcs	@la.g	OV			
Services commenced by this firm (mm/yy) 08/20 Tot					al consultant contract cost (\$1,000's) \$16					6		
Services completed by this firm (mm/yy) N/A Cos				Cost of	consultan	it services pro	vided by this firm	n (\$1,C	)00's) \$1	6		

<u>Services Provided</u>: Scenic Rivers and Streams Permits, USACE Permits, Wetland Delineation and Jurisdictional Determination, Threatened and Endangered Species, Solicitation of Views, and Categorical Exclusion Checklist.

ELOS was contracted by Infinity to provide environmental services for the improvement of DOTD Bridge Replacement projects. LADOTD proposed the replacement of the existing Savanne Road Bridge over Hanson Canal **(Recall No. 020165)** with a new concrete reinforced bridge at approximately 90° 48' 56.088" West and 29° 35' 37.308" North.

The existing bridge, located approximately 0.82 miles north of LA 182 in Terrebonne Parish, was recommended for replacement by the Louisiana Department of Transportation and Development (LA DOTD). The existing structure was a 4-span, 57-foot-long, and 24-foot-wide concrete bridge. The proposed action was to replace the existing bridge with three 20-foot spans, totaling 60 feet, with 3:1 riprap abutments and a proposed finished grade at branch crossing at 5.51 in accordance with current LADOTD and AASHTO guidelines.

This project included a wetland delineation and jurisdictional determination from the USACE, a Section 404 permit from the USACE, a scenic rivers and streams permit from the LDWF, and a threatened and endangered species survey for West Indian Manatees (*Trichechus manatus*). ELOS was also tasked with preparing and mailing the solicitation of views letters to the relevant agencies and responding to comments. This project qualified for a categorical exclusion (CATEX), meaning a detailed environmental analysis was not required. ELOS prepared and submitted the CATEX documentation.

Firm Personnel Involved: Cory Ricks, Hunter Perrilloux, Mike Hill, and Claire LaBarbera





				Pl	ROJECT NO. 9					
Firm name	SJB Group, LLC		Past Perfo	rmai	nce Evaluation Dis	cipline(s)*	Surve	y, Other (SUE)		
Project name	MOVEBR-Nicholse	olson Segment 2 (Ben Hur to Bluebonnet) Firm responsibility (prime or sub?) Su							Sub	-Consultant
Project number	20-CP-HC-0032	20-CP-HC-0032 Owner's name Volkert (Prime)								
<b>Project location</b>	East Baton Rou	uge Parish	, Louisiana	Ow	ner's Project Mana	ager		Jan Evans		
<b>Owner's address</b>	s, phone, email	4141 Bie	nville Street, S	te. 10	02, New Orleans, L	A   (225) 218-94	40   <u>Ja</u>	n.Evans@volkert.	<u>com</u>	
Services comme	commenced by this firm (mm/yy) 03/21 Total consultant contract cost (\$1,000's)							\$723		
Services completed by this firm (mm/yy) 2023					t of consultant se	rvices provided l	by this	firm (\$1,000's)		\$723

**Team Members Involved:** Wilfred Barry, Karen Kennedy, Austin LaCombe, Tyler Foster, Matthew Estopinal, James Koontz, Charles Young, Colby Mire, Elvis Nguyen, Kyle Haigler

Firm's Role: Topographic Survey, Property Survey, Right-of-Way Maps, Subsurface Utility Engineering



SJB Group is performing a topographic survey, SUE, property surveys, and right-of-way mapping of a 4.1 mile stretch of Nicholson Drive (LA 30) from Bluebonnet Boulevard to Ben Hur Road in East Baton Rouge Parish 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 rightof-way mapping will include two sets of maps as necessary because the project includes both LA 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 LAPELS Board, and in accordance with both the MovEBR right-of-way guidelines and LA DOTD Location and Survey Manual. This project includes Quality Level A and B SUE services within the project limits. Utilities located include 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 were 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.



	<b>PROJECT NO. 10</b>												
Firm name	SJE	B Group, LLC		Past Performa	Past Performance Evaluation Discipline(s)* Survey, Other (SUE)								
Project name	I-1	10: North Stre	et to Plar	nk Road		Firm responsibility (prime or sub?) Sub-Consult					ıt		
Project number	H	1.01319.5		Owner's name	e Loui	sian	a Department of Transpo	ortatior	and Developmen	t			
<b>Project location</b>		East Baton Ro	uge Paris	h, Louisiana			<b>Owner's Project Manag</b>	ger	Steve LeBlanc				
<b>Owner's address</b>	s, p	hone, email	1201 Ca	oitol Access Roa	id, Baton I	Roug	ge, LA 70802   (225) 379-	1101	Steve.LeBlanc2#@	<u>@la.gov</u>			
Services commenced by this firm (mm/yy) 10/21					Total cor	sult	ant contract cost (\$1,00	0's)		\$188			
Services completed by this firm (mm/yy) 05/22				05/22	Cost of c	onsu	Itant services provided	by this	firm (\$1,000's)	\$188			

**Team Members Involved:** Wilfred Barry, Matthew Estopinal, Karen Kennedy, Austin LaCombe, Tyler Foster, Colby Mire, Elvis Nguyen, Tuesdie Savoy, James Koontz, Charles Young

Firm's Role: Topographic Survey and Subsurface Utility Engineering (SUE)

SJB Group performed a limited topographic survey and subsurface utility engineering (SUE) as a sub-consultant to Buchart Horn for this LA DOTD Project to assist in the lighting design for this project.

A limited 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 current accepted Location and Survey Automation procedures. The project also required ASCE 38-02 Quality Level C and D services throughout the entire project limits. Utilities included water, gas, telephone, cable, and fiber optic. Above ground

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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 above ground surveyed features. The close proximity to the interstate and various fiber optic systems made this an interesting and challenging project to complete.



	PROJECT NO. 11												
Firm name	SJB Group, LLC		Past Pe	rformance Eval	uation Disciplin	ne(s)* Surve	y, Other (SUE)						
Project name	UP RR Corridor (	Plaquemine	e)		Firm re	esponsibility (p	orime or sub?)	Prime					
Project number	H.012851.5	(	Owner's nam	e Louisiana	Department of	Transportatio	n and Developmer	it					
<b>Project location</b>	Iberville Paris	h, Louisiana			Owner's Proje	ect Manager	Barrett Smith						
<b>Owner's addres</b>	s, phone, email	1201 Capit	ol Access Roa	ad, Baton Roug	e, LA 70802   (2	25) 379-1101	barrett.smith@la	l.gov					
Services comme	nced by this firm	(mm/yy)	07/21	Total consulta	\$194.2								
Services comple	ted by this firm	(mm/yy)	02/22	Cost of consul	tant services pr	rovided by this	s firm (\$1,000's)	\$194.2					

**Team Members Involved:** Matthew Estopinal, Colby Mire, Karen Kennedy, Austin LaCombe, Tyler Foster, Elvis Nguyen, Kyle Haigler **Firm's Role:** Topographic Survey and Subsurface Utility Engineering



SJB Group was tasked through a LA DOTD IDIQ retainer contract to provide subsurface utility engineering (SUE), utility surveying, and a topographic survey for this project in Iberville Parish. The project limits ran 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 had a total linear distance of approximately 5,500 ft. 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 current accepted Location and

Survey Automation procedures. A drainage map was required as part of the survey and was done in accordance with the LA DOTD Location and Survey Photogrammetry Manuel. The SUE work was completed in accordance with CI/ASCE Standard 38-02. This

project required ASCE 38-02 Quality Level B and C services within designed limits. The Quality Level C limits included a distance of 5,500 feet along Railroad Avenue. The Quality Level B designations were completed at the intersection of Bayou Road and LA 1 Intersection. To perform the work, an LA One Call Ticket was completed to initiate contact with all LA One Call Members. A site visit was conducted to investigate any other utility



features that might identify a utility owner that was not included in the LA One Call locate and records were requested for all identified utility owners.



Meyer Engineers, Ltd. Engineer & Architect

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# **18. Approach and Methodology:**

# **INTRODUCTION**

The Meyer Team has years of experience and success on DOTD projects. Our team is very familiar with DOTD procedures and manuals including the DOTD Roadway Design Manual, the Bridge Design and Evaluation Manual, Bridge Design Technical Memoranda, and the Hydraulics Manual. Our team has also prepared plans in accordance with the DOTD Federal Aid Off-System Highway Bridge Program Guidelines. For the Off System Highway Bridge Program Guidelines. For the Off System Highway Bridge and road design and hydraulic analysis. *SJB Group, LLC* will perform the topographic survey. *ELOS Environmental, LLC* will perform the environmental investigation. We have organized our team based upon previous experience in working together and our DOTD project success.

# **PROJECT UNDERSTANDING**

The Off System Highway Bridge Program Martin Lane over Drainage Canal plan development is to design the replacement of the bridge on Martin Lane over a drainage canal southwest of Highway 23 near Port Sulphur in Plaquemines Parish. The existing 2-lane bridge is 24' wide x 60' long with concrete barrier rails. The bridge provides access to residential properties, fishing camps, and businesses along Martin's Canal. An existing gravel road may be used to provide access to residents during construction. There are two existing water line canal crossings running directly parallel to the bridge which will likely be impacted by bridge construction. New water line canal crossings may be required as part of this project. There are also overhead utility lines and underground utility markers which will require coordination with local utility companies.

## **<u>OUALITY ASSISTANCE/QUALITY CONTROL</u>**

Meyer has developed a QA/QC plan in accordance with Part I – Chapter 3 of the DOTD Bridge Design and Evaluation Manual. This QA/QC plans is included in section 21. This project will be reviewed at each phase using this QA/QC plan.

## **PRE-DESIGN MEETING**

If Meyer's team is selected, after contract execution and notice to proceed, Meyer will request a predesign (kickoff) meeting with the DOTD Project Manager and a Tangipahoa Parish representative and request the following information if available:

- Bridge Inspection Reports
- Stage 0 Study
- Previous Stage 1 (Environmental) Documents
- Traffic Studies, Data, Expected Detours, or Other Recommendations
- Existing information including As-Builts, GIS Maps from the Parish, Geotechnical Analysis, and Right-of-Way Maps.

The Pre-Design Meeting will be used to establish the following:

- Project Criteria and Communication Protocols
- Maintenance of Traffic Requirements and Options
- Utility Issues
- Preliminary Project Schedule

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*Meyer Engineers, Ltd. Engineer & Architect* 

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Structure Preferences and if a Culvert is an Option in lieu of Bridge Replacement

### <u>SCHEDULE</u>

Meyer will develop the critical data project schedule using decisions made during the Pre-Design Meeting.



### PROJECT SCHEDULE

## TOPOGRAPHIC SURVEY

SJB Group, LLC (SJB) will provide the survey for the project. SJB has successfully completed many surveying projects for DOTD. The survey will be performed in accordance with DOTD's Location and Survey Manual, and the survey procedures given in the DOTD Federal Aid Off-System Highway Bridge Program Guidelines. Prior to beginning the survey, Meyer and SJB will meet at the site with a Tangipahoa Parish representative. The survey will extend a minimum of 500' from each end of the bridge and a minimum of 25' beyond the existing/apparent R/W with cross-sections developed per the manual guidelines. An Existing Drainage Map will be developed using quad maps for inclusion in the plan set. The Survey Check List provided in the Off-System Bridge Program Guidelines will be used to ensure all survey requirements and items have been addressed and included.

# HYDRAULIC AND SCOUR ANALYSIS

Hydraulic analysis will be performed in accordance with the DOTD Hydraulics Manual and the Hydraulic Design Guidelines for the Off-System Bridge Replacement and Rehabilitation Program. A Hydraulic Report will be submitted including hydrologic and hydraulic design analysis and recommendations. Information including the Existing Drainage Map, LiDAR, and FEMA Firm maps will be used to establish the site's drainage basin. Computer software including HYDR1130 and HEC-RAS will be used to determine peak discharges and water surface elevations. This information will be included in the Hydraulic Report and will be used to complete the Hydraulic Data Table for inclusion in the plan set. The report will also include the analysis of pipe and box culvert alternates as required by DOTD guidelines and as applicable to the specific project parameters. After the structure has been verified a supplemental Scour Report will be submitted with scour calculations in accordance with FHWA Publication HEC 18.



# ENVIRONMENTAL CLEARANCE

ELOS Environmental, LLC (ELOS) will perform environmental related work for the Meyer Team. Work includes:

- Wetland Delineation: ELOS will conduct a ground level investigation to determine if wetlands exist and if so, classify them. A Wetlands
   Finding Report will be prepared and submitted in accordance with United States Army Corps of Engineers (USACE) guidelines.
- Solicitation of Views (SOV) and Categorical Exclusions: Following approval of the replacement structure presented in the Hydraulic Report, ELOS will submit a request for a Preliminary Jurisdictional Determination to the USACE. An SOV Package will be completed in accordance with Off-System Bridge Program Guidelines.
- Permit Drawings: Permit drawings will be prepared as necessary and as requested including USACE permit drawings.

# DESIGN SUBMITTALS

Design submittals will be as per DOTD requirements as shown below:

DESIGN SUBMITTALS			
ANTICIPATED SUBMITTALS			
PRELIMINARY PLANS	FINAL PLANS		
50% Preliminary Plans	50% Final Plans (Pre Advance Check Prints)		
70% Preliminary Plans (Pre Plan-in-Hand)	70% Final Plans (Advance Check Prints)		
90% Preliminary Plans (Plan-in-Hand)	90% Final Plans (Revised Post Advance Check Prints)		
100% Preliminary Plans (Post Plan-in-Hand)	100% Final Plans (Tracing)		

# 50% PRELIMINARY PLANS

50% Preliminary Plans will be developed in accordance with DOTD plan preparation and Off-System Bridge Program Guidelines. At a minimum, the plan sheets at this phase will include a title sheet with layout map, a plan/profile sheet, and the existing drainage map. The plan/profile sheet will include the limits of asphalt roadway replacement and transitions on both sides of the bridge, any associated roadside utility work including drainage, approach slab and bridge limits and widths, pile bent locations, and guardrail layout. The profile portion will include roadway slopes and bridge deck elevations. If it is determined that a temporary detour road may be needed, a preliminary detour plan may also be included.

## 70% PRELIMINARY PLANS (PRE PLAN-IN-HAND)

Comments on the 50% Preliminary Plans will be addressed and Pre Plan-In-Hand plans will be developed. Additional plan sheets will be developed and included per Off-System Bridge Program Guidelines. Additional plan sheets at this stage will include typical sections, drainage maps, signing sheets, general bridge plan, and cross-sections. Upon submittal of these plans, Meyer will request that DOTD schedule a Plan-In-Hand meeting.

## 90% PRELIMINARY PLANS (PLAN-IN-HAND)

Meyer will assist in coordinating and conducting the Plan-in-Hand Meeting. In addition to review of all comments, Meyer will also discuss permit requirements and utility relocation and conflicts. Following the PIH meeting, all comments will be addressed, and the revised plans will be resubmitted to DOTD. During this phase, Meyer will also complete and submit the Constructability/Biddability Review Form.



Meyer Engineers, Ltd. Engineer & Architect

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## 100% PRELIMINARY PLANS (POST PLAN-IN-HAND)

All comments and discussions from the PIH meeting will be addressed and incorporated into the plans.

## **<u>RIGHT-OF-WAY SKETCHES AND AGREEMENTS</u>**

At the conclusion of Preliminary Plans, Meyer will prepare and submit sketches showing the required rights-of-way for construction indicating areas in acreage. The sketches will be prepared in accordance with the Off-System Highway Bridge Program Guidelines. Meyer will also prepare preliminary rights-of-way agreements in accordance with DOTD right-of-way legal forms.

## 50% FINAL PLANS (PRE ADVANCE CHECK PRINTS)

After receiving Notice to Proceed, Meyer will begin developing Final Plans. Additional plan sheets will be developed and included per Off-System Bridge Program Guidelines. Additional plan sheets at this stage will include summary sheets, pile data sheets, erosion control plans, drainage summary sheets, and LADOTD standard plans and special details. A Scour Supplement to the Hydraulic Report with the bridge scour calculations referenced above will also be added at this stage.

## 70% FINAL PLANS (ADVANCE CHECK PRINTS)

50% Final Plan comments will be addressed and incorporated into the plans. At this stage all quantities will be confirmed, and a finalized Summary of Estimated Bridge Quantities will be included. The finalized items and quantities will be incorporated into a final statement of probable cost. If any special items are required, special technical specifications will be drafted and submitted. A bridge load rating will be performed per DOTD requirements using an approved AASHTO load rating program and the as-designed load rating report will be completed.

## 90% FINAL PLANS (REVISED POST ADVANCED CHECK PRINTS)

All remaining comments will addressed and incorporated into the plans. The revised plans will be submitted along with ACP markups with Meyer's responses to all comments.

### 100% FINAL PLANS (TRACING)

Stamped and signed final plans including cross sections, standard plans, and special details will be submitted along with a mylar copy of the Title Sheet for DOTD signature. The stamped and signed As-Designed Bridge Load Rating Report and Hydraulic Report with Scour Supplement will also be submitted.



# 19. Workload:

Firm(s)	Past Performance Evaluation Discipline(s) *	State project number	Project name	Remaining Unpaid Balance**
Meyer Engineers, Ltd.	CE&I/OV	H.001498	LA 24 & LA 316 Company Canal Bridge	\$233,622.54
	Road	H.004727	Howard Avenue Extension (Loyola Avenue – LaSalle Street)	\$19,632
	CE&I/OV	H.013520	Barringer Drive Sidewalks	\$58,965
	CE&I/OV	H.014048	S. Tangipahoa Roads Pavement Rehab.	\$650,765.50
	Road	H.013522	S. Lewis Street Widening	\$195,043.35
ELOS Environmental, LLC	Environmental	H.014242	LA-124 Big Branch, Sandy etc.	\$5,085
	Environmental	H.014243	LA-472 Indian and Big Bear	\$57
	Environmental	H.014245	LA-119 Creeks & Bayou Pierre	\$111
	Environmental	H.014247	LA-399 Creeks, Little 6 Mile Creek	\$6,200
	Environmental	H.014248	LA-124 Creeks, Broke Leg Bayou	\$57
	Environmental	H.014249	LA-126 Creek	\$3,690
	Environmental	H.014250	LA-577 Creek & Bull Bayou	\$3,496
	Environmental	H.014268	LA-4 Creeks, Bear, Squirrel	\$134
	Environmental	H.013958	Carpenters	\$3,783
	Environmental	H.013970	LA 717	\$5,476
	Environmental	H.013984	LA 16 Bridge	\$2,054
	Environmental	H.014265	N. River Road Bridge Over Irving Branch	\$6,655
	Environmental	H.014267	Savanne Road Bridge Over Hanson Canal	\$6,640
SJB Group, LLC	Other (DBE)		DBE Supportive Services – Region A (2020 – 2023)	\$55,955
	СРМ	H.013579.6	Pecue Lane/I-10 Interchange II – East Baton Rouge Parish	\$2,175
	СРМ	H.001820.6	LA 485: Bridges Near Allen – Natchitoches Parish	\$40,639
	СРМ	H.001344.6	US 190: LA 437-US190 BUS (PH 1) – St. Tammany Parish	\$53,180
	СРМ	H.002375.6	Amite R. Br Near French Settlement – Livingston Parish	\$996
	СРМ	H.002980.6	I-10 Overpass over US 165 and MP R.R. – Calcasieu/Jefferson	\$138,304
			Parish	

![](_page_53_Picture_2.jpeg)

Firm(s)	Past Performance Evaluation	State project number	Project name	Remaining Unpaid Balance**
	Discipline(s) *			
SJB Group, LLC (continued)	СРМ	H.010018.6	I-10: NO East Drain Canal Bridge Replace – Orleans Parish	\$25,315
	СРМ	H.003184.6	I-10: Texas State Line – E. of Coone Gully – Calcasieu Parish	\$131,752
	СРМ	H.004634.6	Juban Rd Widening (I-12 – US 190) – Livingston Parish	\$17,331
	СРМ	H.012588.6	I-10: Atch Basin Br – W Baton Rouge P/L – Iberville Parish	\$27,035
	СРМ	H.001234.6	LA 1: Port Allen Canal Br Repl (Ph1) (HBI) – West Baton Rouge Parish	\$26,885
	СРМ	H.000665.6	UP R.R. Overpass Near Bonita (HBI) – Morehouse Parish	\$36,496
	Other (SUE)	H.001820.6	LA 485: Bridges Near Allen – Natchitoches Parish	\$78,839
	Survey	H.012685.5	LA 385: Ryan Street Intersection IMPRS – Calcasieu Parish	\$34,363
Burk-Kleinpeter (Prime) SJB Group, LLC (Subconsultant)	Survey/Road	H.013952; H.013963; H.013966; H.013968; H.013982; H.013984; H.013996; H.013976; H.013997; H.013970	Contract No. 44-17597 16 State Project Numbers (33 Structures) Rural Bridge Replacement Initiative, Districts 03, 07, 61, and 62	\$83,721
Digital Engineering & Imaging (Prime) SJB Group, LLC (Subconsultant)	Survey	H.013716.5	US 167: Camellia Blvd – Churchill Dr. (LAF) – Lafayette Parish	\$39,953
Stanley Consultants, Inc. (Prime) SJB Group, LLC (Subconsultant)	Survey	H.014886.5	US 90: Tulane Ave – Danzinger Bridge – Orleans Parish	54,432

![](_page_54_Picture_1.jpeg)

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

![](_page_55_Picture_2.jpeg)

**<u>21. QA/QC Plan and/or Work Plan:</u>** 

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

# **PROJECT QUALITY CONTROL PLAN**

# Contract No. 4400025191

# Off System Highway Bridge Program Martin Lane over Drainage Canal

**CLIENT NAME:** 

![](_page_56_Picture_6.jpeg)

![](_page_56_Picture_7.jpeg)

Jitendra C. Shah, P.E. Project Manager Meyer Engineers, Ltd.

Meyer Engineers, Ltd. 99

Meyer Engineers, Ltd. Engineer & Architect

**SUBMITTED BY:** 

# 1.0 INTRODUCTION

This Project Quality Control Plan (PQCP) has been prepared in accordance with Meyer Engineers, Ltd. (Meyer) corporate policy for delivering services of the highest quality and the Scope of Services for the design of bridges & approaches. Meyer maintains and annually updates a documented quality system that conforms to the most current quality control standards. This plan has been developed in accordance with Part I-Chapter 3 of the LaDOTD Bridge Design and Evaluation Manual (BDEM), "Policy for QC/QA", which complies with the FHWA/AASHTO's "Guidance on QC/QA in Bridge Design in Response to NTSB Recommendation". Meyer understands that as the consultant they are fully responsible for QC/QA and LADOTD is not responsible for performing QC/QA of consultant's work.

# 1.1 PROJECT DESCRIPTION

This project consists of rural bridge and approaches for a bridge replacement on Martin Lane over Drainage Canal in Plaquemines Parish as part of the LaDOTD Off System Highway Bridge Program.

# **1.2 DEFINITION OF TERMS**

The LaDOTD BDEM provides the following definitions of QC/QA in bridge design. Meyer will assign staff qualified to perform the below tasks:

- <u>Quality Control (QC)</u>: Procedures of checking the accuracy and consistency of the calculations and the drawings, detecting and correcting design omissions and errors before the design plans are finalized, and verifying the specifications for the load-carrying members are adequate for the service and operation loads.
- <u>Quality Assurance (QA)</u>: Procedures of reviewing the work to ensure the quality control procedures are in place and effective in preventing mistakes, and consistency in the development of bridge design plans and specifications.
- <u>Designer:</u> Engineer directly responsible for the development of design calculations, drawings, special provisions including non-standard items, and cost estimate. The designer must be licensed by the State of Louisiana as a professional engineer.
- <u>Detailer</u>: Individual directly responsible for the creation of CAD drawings.

![](_page_57_Picture_10.jpeg)

- <u>Design Checker</u>: Engineer responsible for performing a full technical review of the design calculations, drawings, special provisions including Non-Standard items, and cost estimate. The designer checker must be licensed by the State of Louisiana as a professional engineer.
- <u>Detail Checker</u>: Individual responsible for performing a full review of the CAD drawings.
- <u>Engineer of Record (EOR)</u>: The EOR is the engineer responsible for supervision and/or preparation of plans, sealing calculations, plans, and special provisions if required. The EOR must be licensed in the State of Louisiana as a professional engineer and must have commensurate experience in the design of similar structures.

In addition to the above staff member, Meyer will assign a QC/QA Manager to assure all quality control procedures specified herein have been followed.

# 2.0 STAFF ORGANIZATION FOR SPECIFIED PROJECT:

Engineer of Record (EOR):	Jitendra C. Shah, P.E.
QC/QA Manager:	David H. Dupre, P.E.
Designer:	Eric M. Colwart, P.E.
Design Checker:	Mark A. Schutt, P.E.
Detailer:	Tyler Gettys, P.E.
Detail Checker:	Mark A. Schutt, P.E.

# 2.1 PROJECT DESIGN CRITERIA:

The design criteria including bridge type, size, and location (T,S&L) for this specific project shall be determined by the EOR and Designer prior to proceeding with design. The EOR and Designer shall review the BDEM "Appendix A- Design Criteria Checklist" and specify which criteria are relevant to the project and which are not applicable. The designer shall maintain a well-organized design calculation book with all relevant design criteria included. All design calculations shall bare the firms name and address and lines for the project name/number, sheet number, Designer's name, date of design, Design Checker's name, and date of review. All design calculations shall be done in a clear and well-

![](_page_58_Picture_8.jpeg)

*Meyer Engineers, Ltd. Engineer & Architect* 

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organized manner with specific references to relevant code sections noted. The Designer shall consult the BDEM "Appendix A- Design Criteria Checklist" throughout the design process to ensure all applicable items have been addressed and included in the design calculation book. The final calculation book shall be in accordance with the BDEM "Appendix B-Final Calculation Book Checklist". The process for completing and reviewing design calculations shall be as follows:

- 1. Designer originates calculations in typed text or black/white copy. Designer initials and dates calculation.
- 2. Design Checker highlights correct calculations in yellow highlighter, marks needed corrections in red ink, and makes notes to the Designer in blue ink.
- 3. Designer places a green checkmark next to red-marks they agree with, and a green x-out on red-marks when it is agreed with the Design Checker that a revision is not needed. Designer revises the calculations and date and places a green circle around the red-marked items which have been addressed and returns the calculations and marked-up copy to the Design Checker.
- 4. The Design Checker highlights in yellow correctly addressed red-marks and makes additional comments per above as necessary.
- 5. Above is repeated as necessary until review process is complete.
- 6. Completed calculations and markups are given to the EOR for review.
- 7. If acceptable, Designer and Design Checker initial and date the calculations and they are placed back in the design calculation book.

# 2.2 PLAN DEVELOPMENT:

The EOR and Designer shall review the BDEM "Appendix K-Consultant Submittal Review Checklist" and determine the scope of drawings required at each submittal. The Designer shall provide the Detailer with this information and design criteria, calculations, sketches, etc. required to begin plan development. The Designer shall communicate with the Detailer and supervise the detailing throughout plan development to ensure that the plans adequately and accurately present the design information. The Designer shall verify that the plans contain accurate and adequate information relevant to the submittal phase, including pay items and quantities, prior to giving plans to Design Checker. The process for completing and reviewing plans is as follows:

- 1. Once the Designer has verified the plans contain accurate and adequate information, they are given to the Design Checker and Detail Checker.
- 2. Design Checker reviews the plans for technical accuracy in accordance with the design calculations and checks pay items when applicable. Detail Checker reviews that the plans are in accordance with all applicable DOTD standards and verifies dimensions and quantities. Each highlights correct information in yellow. Needed corrections are marked in red ink and notes to the Designer or Detailer are marked in blue ink with their initials and the checkers initials.

![](_page_59_Picture_12.jpeg)

- 3. Designer/Detailer places a green checkmark next to red-marks they agree with, and a green x-out on red-marks when it is agreed with the Design/Detail Checker that a revision is not needed. Detailer revises the plans and places a green circle around the red-marked items which have been addressed and returns the plans and marked-up copy to the Designer.
- 4. When the Designer verifies that all comments have been addressed, the revised plans and marked-up copy are given to the Design and Detail Checkers.
- 5. The Design and Detail Checkers highlight in yellow correctly addressed red-marks and makes additional comments per above as necessary.
- 6. Above is repeated as necessary until review process is complete.
- 7. Completed plans and markups are given to the EOR for review.
- 8. If acceptable, the phase submittal stamp is placed on the plans.

# 3. OA INFORMATION PACKAGE:

Once the above process has been completed for the 90% Final Plans phase, the Designer shall prepare a QA Information Package in accordance with the BDEM "Appendix C-QA Information Package Checklist" and submit the package to the QC/QA Manager to perform quality assurance (QA).

# 4. **QUALITY ASSURANCE REVIEW:**

The QC/QA Manager shall review all documents in the QA Information Package to assure that quality control procedures outlined above have been followed and that all documents in the package are in accordance with LADOTD Bridge Design practices, policies, and procedures.

The following items are included for reference and use in the above QC/QA procedures: BDEM "Appendix A- Design Criteria Checklist" BDEM "Appendix B-Final Calculation Book Checklist" BDEM "Appendix C-QA Information Package Checklist" BDEM "Appendix D-QC/QA Certification" BDEM "Appendix K-Consultant Submittal Review Checklist" QC Color Code

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#### APPENDIX A-DESIGN CRITERIA CHECKLIST

Design criteria for each project shall include, but not limited to, the following sections:

#### Cover sheet

The following information must be included on the cover sheet:

- LADOTD project number
- Project name
- Revision date
- · The Supervisor or Team Leader's signature and date

Governing Design and Construction Specifications and Other References

A list of governing design and construction specifications and other references used for the project shall be included in this section. The edition number, interim revisions, and/or publication date must be specified for each reference.

#### Design Assumptions and Design Exceptions

All design assumptions and design exceptions received must be included in this section along with supporting documents.

#### General Information

The general information as listed below should be included in this section:

- Bridge information (no. of bridges, bridge clear width, length, no. of lanes, lane width, shoulder width, etc.)
- Road information (roadway classifications, design speed, traffic data, etc.)
- Vertical datum
- Vertical and horizontal clearances
- Other relevant information

### \_\_\_\_ Hydraulic Design Criteria

All hydraulic design criteria (design year, design water elevations, scour depth and scour elevation, etc.) shall be included in this section and the information shall be provided by the Hydraulic Engineer.

\_\_\_\_ Design Factors

The ductility factor  $\eta_D$ , redundancy factor  $\eta_R$ , and operational importance factor  $\eta_I$  shall be listed in this section.

### Design Loads

All design loads (dead load, live load, wind load, thermal loads, vessel collision loads, seismic load, wave loads, etc.) used for the project shall be included in this section.

Limit States

All applicable limit states for this project shall be listed in this section.

### Bridge Barrier

The design criteria, types, and test levels for bridge barriers shall be listed in this section. Standard plans and special details should be listed if they are utilized.

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LADOTD BRIDGE DESIGN AND EVALUATION MANUAL PART I – POLICIES AND PROCEDURES

### Guardrail

CHAPTER 3

POLICY FOR QC/QA

The design criteria, types, and test levels for guardrails shall be listed in this section. Standard plans and special details should be listed if they are utilized.

### \_\_\_\_ Approach Slab

Design criteria for approach slab shall be included in this section. Standard plans and special details should be listed if they are utilized.

#### Deck and Deck Drainage

All design criteria for deck and deck drainage design shall be included in this section. Standard plans and special details should be listed if they are utilized.

### Bearing

All bearing types and design criteria for each bearing type shall be included in this section. Standard plans and special details should be listed if they are utilized.

### \_ Joint

All joint types and design criteria for each type shall be included in this section. Standard plans and special details should be listed if they are utilized.

### Superstructure

All superstructure types and design criteria for each type shall be included in this section. Standard plans and special details should be listed if they are utilized.

#### Substructure

All substructure types and design criteria for each type shall be included in this section. Standard plans and special details should be listed if they are utilized.

#### Piles and Drilled Shafts

All pile types, sizes, and structural design criteria shall be included in this section. Standard plans and special details should be listed if they are utilized.

### \_\_\_\_ Geotechnical Design

All geotechnical design criteria shall be included in this section and the information shall be provided by the Geotechnical Engineer. Standard plans and special details should be listed if they are utilized.

### Mechanical Design

All mechanical design criteria shall be included in this section if applicable. Standard plans and special details should be listed if they are utilized.

### Electrical/Lighting Design

All electrical design criteria shall be included in this section if applicable. Standard plans and special details should be listed if they are utilized.

### As-Designed Bridge Rating Criteria

All as-designed bridge rating criteria shall be included in this section.

### Software

All software used for design and check shall be included in this section.

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### APPENDIX B-FINAL CALCULATION BOOK CHECKLIST

The final calculation book for each project shall include, but not limited to, the following sections:

### Cover Sheet

The following information must be included on the cover sheet:

- LADOTD project number
- Project name
- The title of "Final Calculation Book"
- The EOR's seal with signature and date
- Final Calculation Book Check List
- \_\_\_\_\_QC/QA Certifications
- \_\_\_\_ Peer Review Resolution Agreement (if peer review is performed)
- \_\_\_\_ Design Criteria
- Final Hydraulic Analysis Report from Hydraulic Engineer
- Final Geotechnical Analysis Report from Geotechnical Engineer
- Superstructure Design Calculations
- \_\_\_\_ Substructure Design Calculations
- \_\_\_\_ Quantity Calculations
- \_\_\_\_ Special Provisions/NS-Items
- \_\_\_ Construction Cost Estimate
- \_\_\_\_ As-Designed Rating Report
- List of All Final Electronic Design Files and File Locations (ProjectWise directory name)

Consultants shall submit the final calculation book to LADOTD bridge task managers; the submittal shall be on a CD or Flash Drive or placed to a designated ProjectWise folder including the following information:

- \_\_\_\_ A PDF File of the Calculation Book (Including the As-Designed Rating Report)
- \_\_\_\_ All Electronic Design Files
- A PDF File of the As-Designed Rating Report Only

The final calculation book for in-house projects shall include the same files listed above for consultant projects. The final calculation book and other final design documents for all projects including in-house and consultant projects shall be uploaded to the archiving location designated in the record retention policy within 30 calendar days after the stamped final plans are delivered.

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Project No.:

Project Description:

 Calculation Book
 Plans
 Special Provisions
 Cost Estimate
 Other Documents

LADOTD BRIDGE DESIGN AND EVALUATION MANUAL PART I – POLICIES AND PROCEDURES

### APPENDIX D-QC/QA CERTIFICATION

Project No.:

CHAPTER 3

POLICY FOR QC/QA

Project Name:

We, the undersigned designers, detailers, checkers and reviewers for this project, have reviewed and accepted the calculations, plans, quantities, special provisions, and cost estimate prepared for the project. We certify that the work for which we are responsible has been completed in accordance with the LADOTD Bridge Design Section policy on QC/QA.

Team Members	Name	PE Registration No.	Responsible Plan Sheets	Responsible Special Provisions	Construction Cost Estimate	Signature
Designers						
Design Checkers						
_						
Detailers						
Detail Checkers						
Reviewers						
Peer Reviewer						
Geotechnical Engineer						
Hydraulic Engineer						
EOR						

![](_page_63_Picture_12.jpeg)

![](_page_64_Figure_0.jpeg)

![](_page_64_Picture_1.jpeg)

# 22. Sub-consultant information:

Firm Name (as registered with Louisiana's Secretary of State)	Address	Point of Contact and email address	Phone Number
ELOS Environmental, LLC	607 W. Morris Avenue Hammond, LA 70403	Drake Arnone, President of Business Development darnone@elosenv.com	985-662-5501
SJB Group, LLC	P.O. Box 1751 Baton Rouge, LA 70821	Karen Kennedy, P.E. Karen.Kennedy@sjbgroup.com	225-769-3400

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# 23. Location:

If location is an evaluation criterion for this advertisement and the prime consultant intends to establish a local presence, describe the plan for doing so. Otherwise, leave this section blank.

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