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Submitted By:



Submitted To:



Contract No. 4400024438

October 25, 2022



October 25, 2022

Louisiana Department of Transportation and Development Attn.: Michael Gorbaty Consultant Contract Services Administrator 1201 Capitol Access Road, **Room 405-E** Baton Rouge, LA 70802-4438

## RE: US 90Z: Harvey Canal Tunnel Rehabilitation (CE&I) Contract No. 4400024438

Dear Mr. Gorbaty:

In response to the announcement issued on September 30, 2022, DEI is pleased to submit the enclosed Form DOTD 24-102. We appreciate the opportunity to be considered to work on this critical project and look forward to providing the services to DOTD and the West Bank of Jefferson Parish if selected.

The DEI team is the only team with first-hand inspection experience inside this tunnel; our lead inspectors Wayne "Dickie" Lemoine and Jeff Monfrey inspected it for decades as employees of DOTD, where they served as the Maintenance and Inspection Supervisor and Bridge Inspection Leader, respectively, for District 02. In fact, we have experience in all the tunnels in Louisiana (there are three). Our inspectors have decades of experience in DOTD fixed bridges, mechanical bridges, and tunnels, as well as large historic off-system structures. There are no other inspectors with this unique skillset and experience. Both they and our construction manager live near the tunnel on the West Bank and traverse it as a daily course of their commutes. They are uniquely qualified for this work.

As the prime consultant, Design Engineering, Inc. (DEI) will be responsible for all the Construction Engineering and Inspection (CE&I) for this project. Eustis Engineering, LLC will serve as the backup independent testing lab required by the advertisement and perform any necessary testing, including density, concrete, and asphalt testing. Infinity Engineering will also serve as a member of the team as experts in Mechanical and Electrical Engineering. They are also a certified DBE. We are a local Jefferson Parish, Louisiana company, and our Team has the staff and capabilities available to complete this project in the most efficient and high-quality fashion. We appreciate the opportunity to submit our qualifications. We are confident in the ability of our firm to accomplish the services requested and look forward to a favorable review of our submittal.

With best regards, I remain

Very truly yours,

DESIGN ENGINEERING, INC.

Jim Martin Ph.D., P.E. President

## SECTIONS 1-11

### (Revised March 1, 2022)

## **DOTD FORM: 24-102**

PROPOSAL TO PROVIDE CONSULTANT SERVICES

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

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

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

1. Contract title as shown in the advertisement	US 90Z: Harvey Canal Tunnel Rehabilitation (CE&I)
2. Contract number(s) as shown in the advertisement	Contract No. 4400024438
3. State Project Number(s), if shown in the advertisement	State Project No. H.010673
4. Prime consultant name (as registered with the Louisiana Secretary of State where such registration is required by law)	Design Engineering, Inc.
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Baard (LAPELS) if registration is required under	EF.0001135
Louisiana law)	
6. Prime consultant mailing address	3330 W. Esplanade Avenue, Suite 205 Metairie, Louisiana 70002
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	(Same as above mailing address)
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Jim Martin, Ph.D., P.E., President (504) 836-2155 jmartin@dei-engr.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Jim Martin, Ph.D., P.E., President (504) 836-2155 jmartin@dei-engr.com

10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.	Signature (shall be the same person as #9): Date: October 25, 2022
11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.	Firm(s):     Firm(s)'       Infinity     4%       Engineering Consultants, LLC     4%
	Infinity Engineering Consultants, LLC

# **SECTIONS** 12-15

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

Evaluation Discipline(s)	% of Overall Contract	DESIGN ENGINEERING, INC. (Prime)		Infinity Engineering Consultants	Each Discipline must total to 100%
CE&I/OV	100%	90%	6%	4%	100%
Identify the percentage of work for the overall contract to be performed by the prime consultant and each sub-					
consultant			-		
Demonstraf	1000/	000/	60/	407	1000/
Percent of	100%	90%	6%	4%	100%
Contract					

13. Firm Size:

Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
DESIGN EXPONENCE AND	Principal	1	2
	Supervisor-Eng.	1	1
DESION EMONEGRAVI, NC	Administrative	1	4
DESIGN EXAMPLES INC.	Engineer	3	6
NGORA (MARKEDINA), NC.	Engineer Intern	1	4
	Inspector	1	3
	Inspector-Certified	2	3
	CADD Operator	0	1
	Supervisor-Eng.	1	9
	Engineer	1	2

Page 4 of 75 Prime consultant name: Design Engineering, Inc.

	Engineer Intern	1	6
	Driller	1	7
	Geologist	1	2
	Inspector	1	31
	Inspector-Certified	1	1
	Technician	9*	28*
Infinity Engineering Consultants	Engineer	1	12
Infinity_ Engineering Consultants	Engineer Intern	1	5
Infinity_ Engineering Consultants	Drafter	1	3

\*This includes Soil Technicians and Helpers associated with the geotechnical drilling services. This also includes Laboratory Technicians associated with the performance of soil mechanics laboratory tests



- ATSSA Work Zone Traffic Control Supervisor
- ATSSA Work Zone Traffic Control Technician
- ATSSA Work Zone Traffic Control Flagger
- Non-field Personnel

<u>Sub-Consultants</u> (No symbol indicates DEI staff)

Eustis Engineering, LLC = •

Infinity Engineering Consultants= •

\* Traffic Engineer

## **<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	James Martin, Ph.D., P.E.,		Civil Engineering 31281	LA	09/30/2024
2	James Martin, Ph.D., P.E.,		Civil Engineering 31281	LA	09/30/2024
3	John Holtgreve, P.E.		Civil Engineering 16383	LA	03/31/2023
4	Travis R. Richards, P.E.		Civil Engineering 30992	LA	03/31/2023
5	Jeff Monfrey		N/A	N/A	N/A
6	Wayne "Dickie" Lemoine		N/A	N/A	N/A

## SECTION 16

10. Stall Laperteneet.
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Firm en	nployed by	y Design Engineeri	ng, Inc.			
Name	Wayne "	Dickie" Lemoine			Years of relevant experience with this employer	4
Title	Senior In	ispector			Years of relevant experience with other employer(s)	49
Degree(	(s) / Years	/ Specialization		C	ertifications: LaDOTD Structural Concrete Inspector, Basi	c Bridge Safety
				In	spector's Training, Bridge Inspection Update, Nondestruct	ive Evaluation of
				B	ridge Conditions, Bridge Inspector, Movable Bridge Inspec	ction Training
				C	ourse, ATSSA Flagger, ATSSA Traffic Control Supervisor	r, Prager Gear
		Se	eminar, Pump and Seal School, Stream Stability and Scour	at Highway		
		B	Bridges for Bridge Inspectors, Hazwoper, Industrial Hydraulics, Deleading of			
				In	dustrial Structures, Inspection of Fracture Critical Bridge I	Members
Active 1	registratio	n number / state / exp	iration date	N	/A	
Year reg	gistered	N/A	Discipline	N	/A	
Contrac	ct role(s) /	brief description of re	esponsibilities	M	Ir. Lemoine has over 33 years of experience with the Louis	iana Department of
					ransportation and Development. He has been part of the ma	aintenance of the
		01	only three tunnels located in the state of Louisiana and has extensive movable			
			rage experience. Mr. Lemoine will serve as Senior Inspe	ctor for this		
Evnerie	nce dates	Experience and au	alifications releva	nt	to the proposed contract: <i>i.e.</i> "designed drainage" "	designed girders"
(mm/vv	/mm/vv)	"designed intersecti	ion", etc. Experien	nce	dates should cover the time specified in the applicable N	(PR(s).
01/71	- 01/04	HARVEY TUNNE	L: Mr. Lemoine w	as t	the maintenance and inspection supervisor for this proj	ect. This project
		consists of pulling an	nd refurbishing (pu	mps	s, changing lights, etc.) the Harvey tunnel and epoxied crac	ks.
01/71	- 01/04	BELLE CHASSE	<b>FUNNEL:</b> Mainten	anc	e and Inspection Supervisor for District 02.	
01/71	- 01/04	HOUMA TUNNEL: Maintenance and		Ins	pection Supervisor for District 02.	
		Mr. Lemoine was the Maintenance and Inspection Supervisor for the following:				
					Decelor d Vertical Lift Dridge	
		Bayou Sarah	n Swing Bridge		<ul> <li>Kaceland Venical Lift Bluge</li> <li>Kerner Swing Bridge</li> </ul>	
	<ul> <li>Judge Perez Bridge</li> <li>Claiborne Avenue Bridge (Judge Drider)</li> </ul>		- 0	Kenner Swing Druge     Kraamar Vartical Lift Dridga		
			e S	Eeber Venteal Lint Bridge		
01/71-01/04 → Danziger Bridge → US 11 North Draw			<ul> <li>La 24 Company Canal Druge</li> <li>La Pose Vertical Lift Bridge</li> </ul>			
		n Draw		<ul> <li>Lakose Venical Lint Bruge</li> <li>Lockport Swing Pridge</li> </ul>		
		<ul> <li>Chef Menter</li> </ul>	ur Pass		Bayou Black Bridge	
		Houma Navi	igation Bridge		<ul> <li>LA_661 Rayou LaCarne Bridge</li> </ul>	
		Bayou Dular	rge Bridge		<ul> <li>Bayou La Loutre Bridge</li> </ul>	
			_		- Dayou La Louire Dirage	
Page 8 of	75	Prime consultan	t name: Design En	ngin	ieering, Inc.	

	SUNSHINE BRIDGE, DONALDSONVILLE, LA: Mr. Lemoine performed the inspection on repairs to the expansion
10/18 06/10	joints on the Sunshine Bridge. Mr. Lemoine also inspected the placement of epoxy in the roadway repair. He was
10/18 - 00/19	responsible for preparing the daily report and attending all project meetings. Mr. Lemoine also reviewed and processed
	Contractors' invoices.
	GNOEC NO. 433: SOUTHBOUND CAUSEWAY SAFETY RAIL IMPROVEMENTS (CE&I): Lead Resident
	Inspector for the improvement of the existing bridge railing system to MASH Test Level 4, the repair of damaged
	concrete railing, replacement of impact attenuators, relocation of signs and supports, modification of call boxes,
12/18 - 07/20	installation of pavement markings, and installation of access platforms. Construction administration included the
12/10 07/20	organization of progress meetings, review of submittals (e.g., Construction Schedules, RFIs, Plan Changes, and
	Materials), and processing of partial pay estimates. Resident inspection included observation of construction activities
	(e.g., 48 miles of bridge rail fabrication and installation, 138,000 epoxied anchor rods and repair of damaged concrete
	rail), production of daily reports, review of TTC installation/removal, and review of on-site safety.
	LA 70 MISSISSIPPI RIVER BRIDGE, PHASE II CE&I, PAINTING INSPECTION, AND ENVIRONMENTAL
09/13 - 06/16	MONITORING, ST. JAMES PARISH, LA. Inspector for this project, Mr. Lemoine performed structural steel
	inspection, traffic control inspection, structural concrete repair inspection, and contract administration for the LA 70
	Bridge over the Mississippi River. He coordinated the painting and environmental operations with SiteManager Reports
	and Daily Work Reports. This project included strengthening steel members, repairing end damns and roadway joints,
	and painting of the steel approaches.
	SP NO. 706-99-0004, GNOEC#ER-0004: REPAIRS & REPLACEMENT OF THE 9-MILE TURNAROUND
06/16- Ongoing	SPANS ON LAKE PONTCHARTRAIN CAUSEWAY, ST. TAMMANY AND JEFFERSON PARISHES, LA.:
	Mr. Lemoine was the inspector on the pile driving and structural concrete placement. He maintained all the SiteManager
	records and performed the sampling and testing for concrete placements on the decks. The project cost \$2M.
	CAUSEWAY BRIDGE, METAIRIE, LA: Mr. Lemoine was the Senior Bridge Inspector and coordinator with the
06/17 - Ongoing	Greater New Orleans Expressway Commission. Mr. Lemoine inspected the installation of the dynamic boards at the
	Causeway bridge. He also inspected the reconstruction of the electrical system of the North Toll Plaza Building and
	Inspected the reconstruction of the exit road and parking fot at the North Toll Plaza.
	LOUISIANA TIMED PROGRAM (LTM), STATE WIDE, LA.: Mr. Lemoine was the lead inspector assigned to the Hugy D. Long Dridge widening project, where he menaged and ingreated the widening of the summent bridge to include
11/05 00/10	three 11 fact travel lange in each direction with the addition of inside and outside shoulders. Instead of adding nice
	foundations for the main river bridge, the construction plans called for the widening of pier shafts above the existing
11/07 - 02/13	caisson foundations and the addition of two new parallel trusses to accommodate the widened roadway along the main
	bridge. For the approaches, new parallel structures were built to accommodate the new roadways. The construction cost
	strage. For the upprovenes, new paramet structures were built to accommodate the new roadways. The construction cost \$5.2B.

Firm employed by	Design Engineering, Inc.			
Name Jeff Mon	frey	Years of relevant experience with this employer 3		
Title Senior In	spector	Years of relevant experience with other employer(s) 26		
Degree(s) / Years	/ Specialization	Certifications: LaDOTD Structural Concrete Inspector,		
		Embankment and Base Course Inspector, PCC Paving		
		Inspector, and Asphalt Paving Inspector/ Technician, Bridge		
		Inspector's Training Course, ATSSA Work Zone Traffic Control		
		Supervisor, Technician, and Flagger		
Active registration	number / state / expiration date	N/A		
Year registered	N/A Discipline	N/A		
Contract role(s) / b	orief description of responsibilities	Mr. Monfrey has over 12 years of experience with the Louisiana		
		Department of Transportation Development. As the Bridge Inspection		
		Leader, he led a team that inspected on and off-system in-service bridges		
		throughout LADOTD District 2. He has extensive movable bridge		
		experience and has had a part in inspecting the only three tunnels in the		
		state of Louisiana. Mr. Monfrey will serve as Senior Inspector for this		
Experience datas	Europianas and qualifications relave	project.		
(mm/yay mm/yay)	"designed intersection" at Experien	in to the proposed contract, <i>i.e.</i> , designed dramage, designed griders,		
(1111/yy - 1111/yy) 01/95 - 01/07	HARVEV TUNNEL: Mr. Monfrey	was the Lead Inspector for this project. This project consists of pulling and		
01/99 - 01/07	refurbishing (pumps, changing lights,	etc.) the Harvey tunnel and epoxied cracks.		
01/95 - 01/07	BELLE CHASSE TUNNEL: Lead I	nspector for District 02		
01/95 - 01/07	HOUMA TUNNEL: Lead Inspector	for District 02		
	Mr. Monfrey was the Lead Inspector f	or the following:		
		Raceland Vertical Lift Bridge		
	Bayou Sarah Swing Bridge	Kerner Swing Bridge		
	Judge Perez Bridge	Kraemer Vertical Lift Bridge		
	<ul> <li>Claiborne Avenue Bridge (Jud</li> </ul>	ge Seeber Bridge) > LA 24 Company Canal Bridge		
01/95 - 01/07	Danziger Bridge	LaRose Vertical Lift		
	US 11 North Draw	Lockport Swing Bridge		
	Chet Menteur Pass	Bayou Black Bridge		
	<ul> <li>Houma Navigation Bridge</li> <li>Bayon Dularca Bridge</li> </ul>	LA-661 Bayou LaCarpe Bridge		
	<ul> <li>Bayou Durarge Druge</li> <li>Bayou La Loutre</li> </ul>	· · · ·		

04/19 – 06/20	<b>DOTD SP No. H.011795: WESTWOOD DRIVE (WB EXPRESSWAY TO LAPALCO):</b> Mr. Monfrey provided construction inspection for the construction of 0.648 miles of roadway which includes 20,516 SY of Portland Cement Concrete Pavement with barrier curb, mountable curb, and gutter. This project included a Class II base course, drainage pipes and structures, sanitary sewer and related work, and a tie-in to the existing Westbank Expressway on the north end and Lapalco Blvd. on the south end. Mr. Monfrey's responsibilities included maintaining all construction field records; making daily entries in the project diary to indicate the contractor's personnel and equipment being utilized on the project, the work being accepted, and the acceptability of traffic control; and the charging of contract time.
12/18 - 07/20	<b>GNOEC No. 433: SOUTHBOUND CAUSEWAY SAFETY RAIL IMPROVEMENTS:</b> Mr. Monfrey provided resident inspection for the improvement of the existing bridge railing system to MASH Test Level 4, the repair of damaged concrete railing, replacement of impact attenuators, relocation of signs and supports, modification of call boxes, installation of pavement markings, and installation of access platforms. Construction Administration included the organization of progress meetings, review of submittals (e.g., Construction Schedules, RFIs, Plan Changes, and Materials), and processing of partial pay estimates. Resident Inspection included observation of construction activities (e.g., 48 miles of bridge rail fabrication and installation, 138,000 epoxied anchor rods and repair of damaged concrete rail), production of daily reports, review of TTC installation/removal, and review of on-site safety.
03/14 - 06/14	<b>DOTD SP No. H.009328: MISSISSIPPI RIVER BRIDGE CLEANING, SPOT PAINTING, AND REPAIRS,</b> <b>I-10, LA.:</b> Mr. Monfrey was the lead inspector for the traffic control, structural repairs, and SiteManager for this project. He coordinated the painting and environmental operations as the lead inspector.
07/10-02/13	<b>DOTD SP Nos., 006-01-0012, 003-01-0018, 006-01-0021, 006-01-0022: HUEY P. LONG BRIDGE WIDENING,</b> <b>JEFFERSON PARISH, LA.:</b> Mr. Monfrey was a Senior Bridge Inspector assigned to the Huey P. Long Bridge widening projects. He supervised the inspection of structural steel erection and bolting, structural concrete construction, embankment, and base course construction, concrete paving, and asphaltic concrete paving.
03/13 - 03/14	JP No. 2010-045-C2-ST-CONCRETE: SUBMERGED ROAD PROGRAM, JEFFERSON PARISH, LA.: Mr. Monfrey served as the Construction Inspector for the Submerged Road Program in Jefferson Parish, Louisiana. This project consisted of design, construction administration, and resident inspection of the Streets Improvement Program for specific projects located throughout Council Districts 1, 2, and 5 in Jefferson Parish.

Firm employed by Design Engineering, Inc.					
Name Jay Rafferty	Years of relevant experience with this employer 3				
Title Construction Manager	Years of relevant experience with other employer(s) 27				
Degree(s) / Years / Specialization	Southeastern Louisiana University: Industrial Technology 1997				
	Troxler Radiation Safety and Nuclear Testing Equipment				
	Course 8/17/10, Army Corps of Engineers Construction Management				
	Quality Course 11/2/12, Supervisor Compliance Training Department,				
	Supervisor Course 6/6/14, Completed ATSSA Work Zone Traffic Control				
	Technician, Supervisor, and Flagger				
Active registration number / state / expiration date	N/A				
Year registered N/A Discipline	N/A				
Contract role(s) / brief description of responsibilities	Jay Rafferty will serve as the Construction Manager for this contract.				
	Mr. Rafferty has completed the ATSSA Traffic Control Technician,				
	Supervisor, and Flagger Courses. He has also completed training in the				
USACE Construction Quality Management (CQM).					
Experience dates Experience and qualifications releva	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , "designed drainage", "designed girders $mm/m$ .				
(mm/yy-mm/yy) "designed intersection", etc. Experies	CNOEC NO 433: SOUTHBOUND CAUSEWAY SAFETY DALL IMDDOVEMENTS (CE 2D). Mr. Defferty				
was the Construction Manager for the	s project. He provided resident inspection for the improvement of the existing				
bridge railing system to MASH Te	st Level 4 the repair of damaged concrete railing replacement of impact				
attenuators relocation of signs and s	attenuators relocation of signs and supports modification of call boxes installation of pavement markings and				
12/18 - 07/20 installation of access platforms. CE&	installation of access platforms. CE&I: construction administration includes the organization of progress meetings.				
review of submittals (e.g., Construction	review of submittals (e.g., Construction Schedules, RFIs, Plan Changes, and Materials), and processing of partial part				
estimates. Resident inspection include	estimates. Resident inspection includes observation of construction activities (e.g., 48 miles of bridge rail fabrication				
and installation, 138,000 epoxied an	and installation, 138,000 epoxied anchor rods, and repair of damaged concrete rail), production of daily reports,				
review of TTC installation/removal, and review of on-site safety.					
JPPW No. 2013-011-RB: CAUSEW	JPPW No. 2013-011-RB: CAUSEWAY BOULEVARD OVERPASS OF AIRLINE DRIVE: Mr. Rafferty was				
the Construction Manager for this pro-	the Construction Manager for this project which includes the rehabilitation of Ramps 6, 7, and overpass of Causeway				
Blvd. Overpass at Airline Drive. The	resident inspection includes observation of construction activities for structure				
02/14 - 04/19 jacking, span movement, reinforced	concrete riser construction, girder strengthening, bridge deck joint sealing,				
epoxy-urethane overlay, and bridge	drainage rehabilitation. Mr. Rafferty's responsibilities for this project are to				
make sure the resident inspectors are	make sure the resident inspectors are preparing daily reports, inspecting the progress of the work to ensure that the				
Contractor complies with the required	ments of the plans and specifications, and attending all the progress meetings.				

	He is also overseeing the resident inspector writing his daily diary items of work performed for the day and the comparison of quantities installed with the Contractor.	
03/21 – 07/22	Construction Manager for this roadway rehabilitation project consisting of the removal of existing pavement, excavation/embankment, base course, PCC paving, drainage structures, concrete curb, sidewalks & handicap ramps, water & sewer lines, pavement markings, and related work. Mr. Rafferty's responsibilities for this project are to make sure the resident inspector is preparing daily reports, inspecting the progress of the work to ensure that the Contractor complies with the requirements of the plans and specifications, and attending all the progress meetings. He is also overseeing that the resident inspector is writing in his daily diary items of work performed for the day and the comparison of quantities installed with the Contractor. The entire construction contract administration and construction engineering and inspection for this project is managed through LaDOTD SiteManager.	
06/18 – 08/20	<b>PONO NO. 083622: ST. ANDREW STREET WHARF EROSION MITIGATION PROJECT, PORT OF NEW ORLEANS, LA:</b> Mr. Rafferty was the Construction Inspector for this project. This project encompassed the construction of an approximately 1600-foot-long and 50-foot-deep steel sheet pile wall with a reinforced concrete pile cap along the roadway side of the St. Andrew Street Wharf and associated roadway construction. Mr. Rafferty was responsible for preparing daily reports, inspecting the progress of the work to ensure that the contractor complied with the requirements of the plans and specifications, and attending all project meetings.	
02/13 - 05/18	<b>USACE NO. LPV 04.2 &amp; 2B LPV 05.2B: ST. CHARLES LEVEE REACH 1A LPV 04.2 &amp; 2B LPV 05.2B:</b> Mr. Rafferty was the Construction Project Manager/Project Coordinator for this project. Mr. Rafferty's responsibilities consisted of managing, scheduling, and coordinating field activities for fifty (50) plus employees. He was also the QC Manager Representative for the US Army Corp of Engineers for this project. Mr. Rafferty's responsibilities included interviewing, training, drug screening, background checking, hiring, and termination of field personnel.	
01/08 – 06/14	USACE NO. LPV 149: HURRICANE AND STORM DAMAGE RISK REDUCTION PROGRAM – FLOODWALL LPV 149: Mr. Rafferty was the Construction Project Manager/Project Coordinator for this project. Mr. Rafferty's responsibilities consisted of managing, scheduling, and coordinating field activities for fifty (50) plus employees. He was also the QC Manager Representative for the US Army Corp of Engineers for this project. Mr. Rafferty's responsibilities included interviewing, training, drug screening, background checking, hiring, and termination of field personnel.	
09/07 – 02/12	<b>USACE NO. LPV106: LAKE PONTCHARTRAIN AND VICINITY 106 CITRUS LAKE FLOOD WALL:</b> Mr. Rafferty was the Construction Project Manager/Project Coordinator for this project. Mr. Rafferty's responsibilities consisted of managing, scheduling, and coordinating field activities for fifty (50) plus employees. He was also the QC Manager Representative for the US Army Corp of Engineers for this project. His responsibilities included interviewing, training, drug screening, background checking, hiring, and termination of field personnel.	

Firm employed by Design Engineering, Inc.						
Name Jeff Puissegur				Years of relevant experience with this employer	10	
Title	e Inspector			Years of relevant experience with other employer(s)	24	
Degree(	s) / Years	/ Specialization		Tulane University: Associates of Arts, Business Managen	ient	
				Tulane University: Bachelor of Arts, Major Business Man	agement, Minor	
				in Arts & Business		
				Certifications: LaDOID Embankment and Base Course In	ispector, ATSSA	
				Work Zone Traffic Control Technician, Supervisor, and F	lagger	
Active r	egistratio	n number / state / exp	iration date	N/A		
Year reg	gistered	N/A	Discipline	N/A		
Contract	t role(s) /	brief description of re	esponsibilities	Jeffrey Puissegur will serve as a Certified Inspector for	r this contract.	
				Mr. Puissegur has completed and holds certifications as an	n <b>LaDOTD</b>	
				Embankment and Base Course Inspector and an ATSS	A Traffic Control	
				Supervisor, Technician, and Flagger. He also has training	in USACE	
				Construction Quality Management (CQM) and Resident M	Management	
				Systems (RMS).		
Experience dates Experience and qualifications releva			alifications releva	nt to the proposed contract; <i>i.e.</i> , "designed drainage", "	designed girders",	
(mm/yy-	-mm/yy)	"designed intersection	ion", etc. Experien	ce dates should cover the time specified in the applicable N	1PR(s).	
		DOTD SP NO. H.	007276.6: MAGA	ZINE ST. (LEAKE AVE TO EAST DRIVE) (CE&I):	Mr. Puissegur was	
		the Resident Inspector for this roadway rehabilitation project consisting of the removal of existing pavement			existing pavement,	
		excavation/embank	ment, base course,	PCC paving, drainage structures, concrete curb, sidewalks	& handicap ramps,	
		water & sewer lines, pavement markings, and related work. Mr. Puissegur is preparing daily reports, inspects the			ports, inspects the	
03/21	-07/22	progress of the work to ensure that the Contractor complies with the requirements of the plans and specifications			and specifications,	
		and is attending all the progress meetings. Further, Mr. Puissegur is writing in his daily diary items of work performed				
		for the day and the comparison of quantities installed with the Contractor. The entire construction contract				
		administration and	construction eng	gineering and inspection for this project is managed	through LaDOTD	
		SiteManager.				
		DOTD SP NO H	011708 6. AIDI I	NE DADK ROLLEVADD (CAMDHOD TO WEST N	ADOL FON), M.	
		DUID SP NO. HUI1/98.0: AIKLINE PAKK BUULEVAKD (CAMPHOK IO WEST NAPOLEON): Mr.				
05/19	- 08/20	russegur was the Resident inspector for the construction of 0.390 miles of roadway which includes grading, drainage				
		scholt concrete payement Portland Cement Concrete Payement cofferdams stormwater pumping stations and				
		related work on Airline Park Boulevard from north of its intersection with Campbor St. to its innertion with W				
		Telated WOIK OIL A	anne rark boulev	are nom norm of its intersection with Campior 5t. to its	Junetion with W.	

Page 14 of 75 Prime consultant name: Design Engineering, Inc.

	Napoleon Ave. Mr. Puissegur prepared daily reports which are recorded through LaDOTD SiteManager, inspected the progress of the work to ensure that the Contractor complies with the requirements of the plans and specifications, and attended all the progress meetings. Further, Mr. Puissegur wrote in his daily diary items of work performed for the day and the comparison of quantities installed with the Contractor.	
09/16 – 02/17	construction of approximately 638 LF of Portland Cement Concrete Pavement with barrier curb, barrier rails, and retaining wall, including drainage pipes and structures, as well as a tie-in to the existing Westbound concrete pavement at Lake Forest Boulevard. Also, approximately 624 LF of the existing Eastbound asphaltic concrete wearing course to develop a 2.5% cross slope. Pavement striping, signs, legends, and symbols are included. Mr. Puissegur prepared daily reports which are recorded through LaDOTD SiteManager, inspected the progress of the work to ensure that the Contractor complies with the requirements of the plans and specifications, and attended all the progress meetings. Further, Mr. Puissegur wrote in his daily diary items of work performed for the day and the comparison of quantities installed with the Contractor.	
01/13 – 04/16	JPPW NO. 3010-047: JEFFERSON PARISH SUBMERGED ROADWAYS PROGRAM: Resident Inspector for damage evaluation due to Hurricane Katrina and roadway reconstruction of eighty-five (85) concrete streets an eight (8) miles of asphalt roadway repair within Council District 3. Design Engineering's responsibilities include Site Evaluations, Preliminary Plans, Final Plans, Construction Administration, and Resident Inspection. During site evaluations, DEI noted settlement and surface condition and verified the degree and severity of damage described i FEMA Project Work Sheets. Considerations during the design phase were tree root impacts on the existing roadway addition and/or repair of sidewalks, driveways, and handicap ramps, and adjustment of all drainage structures within the roadway limits. Mr. Puissegur prepared daily reports through LaDOTD SiteManager, inspected the progress of the work to ensure that the contractor complied with the requirements of the plans and specifications, and attende all project meetings.	
01/08 – 09/14	JPPW 2007-012-PS-PH.3B: AIRLINE DRIVE DRAINAGE CROSSING ST. PETER'S DITCH: Resident Inspector responsible for the quality assurance in the construction of 365 feet of drainage improvements adjacent to and across Airline Drive, including the construction of large drainage junction boxes, micro-tunneling or hand tunneling large diameter drain line across Airline Drive, reinforced concrete box culverts and transition structures. Mr. Puissegur prepared daily reports through LaDOTD SiteManager, inspected the progress of the work to ensure that the contractor complied with the requirements of the plans and specifications, and attended all project meetings	

Firm em	Firm employed by Design Engineering, Inc.				
Name James Martin, Ph.D., P.E.				Years of relevant experience with this employer 12	
Title	President	Principal-In-Charge	e	Years of relevant experience with other employer(s) 8	
Degree(	s) / Years	/ Specialization		University of Alabama: BS, Civil Engineering 1998	
		-		Tulane University: MS, Environmental Engineering 2000	
				Tulane University: Doctor of Philosophy 2003	
				Old Dominion University: Coastal Engineering Certificate 2010	
Active r	registration	n number / state / exp	piration date	31281 /LA/ 09/30/2024	
Year reg	gistered	2004	Discipline	Civil Engineer	
Contract	t role(s) / l	brief description of re	esponsibilities	Dr. Martin will serve as Principal-In-Charge/Civil Engineer for this	
				project. Dr. Martin has had extensive design experience with the design	
				and construction of civil engineering projects involving major bridges,	
				highways, streets, roadways, water, sewer, drainage, and flood protection	
		1		projects.	
Experier	nce dates	Experience and qu	alifications releva	nt to the proposed contract; i.e., "designed drainage", "designed girders",	
(mm/yy-	–mm/yy)	"designed intersect	ion", etc. Experien	ce dates should cover the time specified in the applicable MPR(s).	
		GNOEC NO. 433: SOUTHBOUND CAUSEWAY SAFETY RAIL IMPROVEMENTS (CE&I): President/Civil			
		Engineer responsible for overseeing the improvement of the existing bridge railing system to MASH Test Level 4, the			
		repair of damaged concrete railing, replacement of impact attenuators, relocation of signs and supports, modification of			
12/18 -0	07/20	call boxes, installation of pavement markings, and installation of access platforms. CE&I: construction administration			
		includes the organization of progress meetings, review of submittals (e.g., Construction Schedules, RFIs, Plan Changes,			
		and Materials), and processing of partial pay estimates. Resident inspection includes observation of construction activities $(a, a, b)$ miles of bridge roll fabrication and installation 128,000 encycled encharged and repair of demograd concerns			
		(e.g., 48 miles of ordge rall fabrication and installation, 138,000 epoxied anchor rods, and repair of damaged concrete rail, production of daily reports, review of TTC installation/removal, and review of on site safety.			
		DOTD SP No. H(	11798 6. AIRLIN	F PARK BOULEVARD (CAMPHOR TO WEST NAPOLEON) (CE&I).	
		Dorb St NO. HOIT/98.0. AIRLINE TARK BOULEVARD (CANILING TO WEST NATOLEON) (CEQI). Dresident/Civil Engineer responsible for overseeing and managing all personnel and contracts for the construction of 0.390			
		miles of roadway, which included grading, drainage structures, milling asphalt navement, pavement patching, Class II			
		base course, scarifying and compacting roadbed, asphalt concrete payement. Portland Concrete Payement, cofferdams,			
05/19 -	- 08/20	storm water pumping station, and related work. <b>Pavement striping</b> , sign and legends, and symbols were also included.			
		DEI was responsible for the construction, engineering, and inspection of this project which includes maintaining all			
		construction field records; making daily entries in the project diary to indicate the contractor's personnel and equipment			
		being utilized on the project, the work being accepted, and the acceptability of traffic control; and the charging of			
		contract time throu	ugh SiteManager.		
		JPPW No. 2013-01	1-RB: CAUSEWA	Y BOULEVARD OVERPASS OF AIRLINE DRIVE: President/Civil Engineer	
02/14 - 04/19	responsible for ove	erseeing and manag	ing all personnel and contracts for this project which includes conducting a		
		comprehensive struc	ctural inspection of a	all portions of the Causeway Boulevard Overpass of Airline Drive above railroad	
		traffic (all existing bridge components north of the southern right-of-way line of Airline Drive); perform a load capacit			
Page 16 of	f 75	Prime consultan	nt name: Design En	igineering, Inc.	

	rating analysis of the AS-BUILT and AS-IS conditions of the structure, and submit a comprehensive repair/rehabilitation report prioritizing recommended repairs/corrective measures. Based on the findings of the report, DEI is responsible for the production of plans, specifications, and contract documents to repair/replace the Overpass's girders, bearings, deck, guardrails, and drainage system. Additionally, it is DEI's responsibility to provide full-time resident inspection and testing services during construction.	
04/14 – 06/20	<b>DOTD SP NO. H.011795: WESTWOOD DRIVE (WB EXPRESSWAY. TO LAPALCO) (CE&amp;I):</b> President/Civil Engineer responsible for overseeing and managing all personnel and contracts for the construction of 0.648 miles of roadway, which included 20,516 SY of Portland Cement Concrete Pavement with barrier curb, mountable curb and gutter, including Class II base course, drainage pipes and structures, sanitary sewer and related work, and tie-in to the existing Westbank Expressway on the north end and Lapalco Blvd. on the south end. Pavement striping, signs, legends, and symbols were also included. DEI was responsible for the construction, engineering, and inspection of this project, which included maintaining all construction field records; making daily entries in the project diary to indicate the contractor's personnel and equipment being utilized on the project, the work being accepted, and the acceptability of traffic control; and the charging of contract time through SiteManager.	
07/14 – 10/16	<b>DOTD SP. H.006568: WASHINGTON AVENUE PEDESTRIAN BRIDGE CROSSING (CE&amp;I):</b> President/Cir Engineer for constructing an elevated pedestrian crossing over Washington Avenue, Washington Avenue Canal, a Drexel Drive. Also included is the construction of an enclosed stairway and elevator towers located at the corner of Fe Street and Washington Avenue and Drexel Dr. near the north campus of Xavier University. The entire constructi contract administration and construction engineering and inspection for this project was managed through LADOTD S Manager Program. DEI was responsible for the construction, engineering, and inspection of this project which includ maintaining all construction field records; making daily entries in the project diary to indicate the contractor's personn and equipment being utilized on the project, the work being accepted, the acceptability of traffic control, and the chargi of contract time through Site Manager.	
09/16 – 02/17	<b>DOTD SP NO. H.007277: LAKE FOREST BOULEVARD (CE&amp;I)</b> : President/Civil Engineer responsible for overseeing and managing all personnel and contracts for the construction of approximately 638 LF of Portland Cement Concrete Pavement with barrier curb, barrier rails, and retaining wall, including drainage pipes and structures and tie-in to the existing Westbound concrete pavement at Lake Forest Boulevard. Also, approximately 624 LF of the existing Eastbound asphaltic concrete pavement on Lake Forest Boulevard was removed by milling and overlayed with a 2" asphaltic concrete wearing course, to develop a 2.5% cross slope. Pavement striping, sign and legends, and symbols were included. DEI was responsible for the construction, engineering, and inspection of this project which included maintaining all construction field records; making daily entries in the project diary to indicate the contractor's personnel and equipment being utilized on the project, the work being accepted, and the acceptability of traffic control; and the charging of contract time through SiteManager.	

Firm employed by Design Engineering, Inc.					
Name John Hol	tgreve, P.E.	Years of relevant experience with this employer 38			
Title Project N	lanager	Years of relevant experience with other employer(s) 12			
Degree(s) / Years	/ Specialization	Tulane University: BS, Civil Engineering 1970			
		Tulane University: MCE, Civil Engineering 1975			
Active registration	n number / state / expiration date	16383 /LA/ 03/31/2023			
Year registered	1976 Discipline	Civil Engineer			
Contract role(s) / 1	prief description of responsibilities	Mr. Holtgreve will serve as the Project Manager for this contract. Mr.			
		Holtgreve has had extensive design experience designing and constructing			
		roadway projects for clients in the Greater New Orleans Area.			
Experience dates	Experience and qualifications relevant	nt to the proposed contract; i.e., "designed drainage", "designed girders",			
(mm/yy–mm/yy)	"designed intersection", etc. Experien	ce dates should cover the time specified in the applicable MPR(s).			
	DOTD SP NO. H.002550: MAC	ARTHUR DRIVE INTERCHANGE COMPLETION (ON AND OFF			
	<b>RAMPS FOR PETERS ROAD) PH</b>	ASE II: Project Manager for the demolition of one on-ramp, the construction			
	of two ramps (one on-ramp and one off-ramp) and the relocation and widening of the service road to accommodate				
05/08 - 12/16	the new ramps. The existing Manhattan Boulevard off-ramp to Manhattan Boulevard will be demolished and rebuilt				
12/10	several hundred feet west of the existing location to make room for the new Peters Road on-ramp. The ramps will				
	be constructed using prestressed concrete trapezoidal box girders supported on single pier bents with pile footings to				
	match the aesthetics of the existing Westbank Expressway bridges				
	DOID SP NO. H011/98.6: AIRLIN	E PARK BOULEVARD (CAMPHOR TO WEST NAPOLEON) (CE&I):			
	Project Manager for the construction of 0.390 miles of roadway, which included grading, drainage structures, milling				
	asphalt pavement, pavement patching, Class II base course, scarifying and compacting roadbed, asphalt concrete				
05/19 - 08/20	pavement, Portland Concrete Pavement, cotterdams, storm water pumping station, and related work. Pavement				
	surpling, signage, and regends and symbols are also included. DEI was responsible for the construction, engineering, and inspection of this project, which included maintaining all construction field records; malting daily entries in the				
	and inspection of this project, which included maintaining all construction field records, making daily entries in the project diary to indicate the contractor's personnal and equipment being utilized on the project, the work being				
	project diary to indicate the contractor's personnel and equipment being utilized on the project, the work being				
	accepted, and the acceptation y of traine control, and the charging of contract time through SiteManager.				
	DOTD SP NO. H.011795: WESTV	VOOD DRIVE (WB EXPRESSWAY, TO LAPALCO) (CE&D: Project			
04/14 - 06/20	Manager for the construction of 0.648 miles of roadway, which included 20.516 SV of Portland Cement Concrete				
	Pavement with barrier curb mountable curb and outter. This project included a Class II has course drainage pipes				
	and structures, sanitary sewer and rela	ated work, and a tie-in to the existing Westbank Expressway on the north end			
	and Lapalco Blvd. on the south end. F	Pavement striping, signage, and legends and symbols were also included. DEI			
	was responsible for the construction,	engineering, and inspection of this project, which included maintaining all			

	construction field records; making daily entries in the project diary to indicate the contractor's personnel and equipment being utilized on the project, the work being accepted, and the acceptability of traffic control; and the charging of contract time through SiteManager.		
05/19 – 08/20	<b>DOTD SP No. H011798.6: AIRLINE PARK BOULEVARD (CAMPHOR TO WEST NAPOLEON) (CE&amp;I):</b> Project Manager for the construction of 0.390 miles of roadway which includes grading, drainage structures, milling asphalt pavement, pavement patching, class II base course, scarifying and compacting roadbed, asphalt concrete pavement, Portland Concrete Pavement, Cofferdams, storm water pumping station, and related work. Pavement striping, sign and legends, and symbols are also included. DEI is responsible for the construction, engineering, and inspection of this project which includes maintaining all construction field records; making daily entries in the project diary to indicate the contractor's personnel and equipment being utilized on the project, the work being accepted, the acceptability of traffic control, and the charging of contract time through Site Manager.		
12/18 – 7/20	<b>GNOEC No. 433: SOUTHBOUND CAUSEWAY SAFETY RAIL IMPROVEMENTS (CE&amp;I):</b> Project Manager for the improvement of the existing bridge railing system to MASH Test Level 4, the repair of damaged concrete railing, replacement of impact attenuators, relocation of signs and supports, modification of call boxes, installation of pavement markings, and installation of access platforms. CE&I: construction administration includes the organization of progress meetings, review of submittals (e.g., Construction Schedules, RFIs, Plan Changes, and Materials), and processing of partial pay estimates. Resident inspection includes observation of construction activities (e.g. 48 miles of bridge rail fabrication and installation, 138,000 epoxied anchor rods, and repair of damaged concrete rail), production of daily reports, review of TTC installation/removal, and review of on-site safety.		
10/18 – 03/20	<b>DOTD SP NO. H007271.6: CANAL BOULEVARD (ROBERT E. LEE – AMETHYST) (CE&amp;I):</b> Project Manager for the reconstruction of an existing four (4) lane divided boulevard. This project included grading, drainage structures, milling asphalt pavement, pavement patching, Class II base course, scarifying and compacting roadbed, asphalt concrete pavement, Portland Cement Concrete Pavement, cofferdams, stormwater pumping station, pavement striping, signs, and legends, and symbols. DEI was responsible for the construction, engineering, and inspection of this project which included maintaining all construction field records; making daily entries in the project diary to indicate the contractor's personnel and equipment being utilized on the project, the work being accepted, and the acceptability of traffic control; and the charging of contract time through SiteManager.		
07/14-10/16	<b>DOTD SP No. H.06568: WASHINGTON AVENUE PEDESTRIAN BRIDGE CROSSING (CE&amp;I):</b> Project Manager for the construction of an elevated pedestrian bridge crossing over Washington Avenue, Washington Avenue Canal, and Drexel Drive. Also included was the construction of an enclosed stairway and elevator towers located at the corner of Fern Street and Washington Avenue and Drexel Dr. near the north campus of Xavier University. The entire construction contract administration and construction engineering and inspection for this project was managed through LaDOTD SiteManager Program		
D	Drives consultant course. Design Engine suites las		

Firm employed by Design Engineering, Inc.				
Name Brett Liuzza, P.E.			Years of relevant experience with this employer 10	
Title Civil Engineer			Years of relevant experience with other employer(s) 4	
Degree(s) / Years	/ Specialization		Louisiana State University: BS, Civil Engineering 2008	
Active registration	n number / state / exp	iration date	37753/ LA/ 09/30/2023	
Year registered	2013	Discipline	Civil Engineer	
Contract role(s) / 1	brief description of re	esponsibilities	Mr. Liuzza will serve as Civil Engineer for this contract. Mr. Liuzza has	
			worked on a variety of infrastructure improvement projects including	
			asphaltic and concrete roadways. He brings his roadway project experience	
	•		to this project and is thoroughly familiar with LaDOTD standards	
Experience dates	Experience and qu	alifications releva	nt to the proposed contract; i.e., "designed drainage", "designed girders",	
(mm/yy–mm/yy)	"designed intersect	ion", etc. Experien	ce dates should cover the time specified in the applicable MPR(s).	
	DOTD SP NO.	H.002550: MAC	CARTHUR DRIVE INTERCHANGE COMPLETION (ON- AND	
	<b>OFF-RAMPS FOR PETERS ROAD</b> ): Civil Engineer who assisted with the design of an on- and off-ramp			
	system for the Westbank Expressway and the relocation of Frontage Road Responsibilities included			
	planning the geometric layout of roadways and rights of way: relocation of drain lines up to 72" diameter			
	10" sewer force mains with 20" steel casing horizontally drilled underneath four (A) lane highway, and water			
05/08 - 12/16	lines: project quantities estimation: preparation of plans for water mains appurtenances gas lines and			
	overhead and below ground power lines: the construction of storm drain performance, pipes and manholes:			
	the extension of the existing reinforced concrete box culvert: and the construction of the new relocated			
	service road including the installation of a compacted sand sub-base course, crushed limestone base course			
	Superpays asphaltic concrete binder and wearing courses, as well as concrete curb and gutters and concrete			
	superpave asphanic concrete binder and wearing courses, as wen as concrete curb and gutters and concrete			
	SICEWAIKS.			
	DOID SP NO.	$\mathbf{H.00/2/0.0:} \mathbf{M2}$	AGAZINE SI. (LEAKE AVE TO EAST DRIVE) (CE&I): CIVIL	
03/21 - 07/22	Engineer for the construction contract administration and construction engineering inspection services			
	typically performed by the DOTD Project Engineer and his staff, including but not limited to, roadway			
	rehabilitation projects consisting of removal of existing pavement, excavation/embankment, base course,			
	PCC paving, dra	inage structures,	concrete curb, sidewalks & nandicap ramps, water & sewer lines,	
	pavement marking	gs, and related wo	ork. Mr. Liuzza's responsibilities on this project include responding to	
	RFIs, performing periodic site visits, considering and negotiating change orders, performing substantial			
	completion inspections, and quickly responding to limit the effect of often encountered unforeseen sit			
Page 20 of 75	Prime consultan	t name: Design En	igineering, Inc.	

	conditions. The entire construction contract administration and construction engineering and inspection for
	this project is managed through LaDOTD SiteManager.
	DOTD SP NO. H007271.6: CANAL BOULEVARD (ROBERT E. LEE – AMETHYST) (CE&I): Civil
	Engineer for the reconstruction of an existing four (4) lane divided boulevard. This project included grading,
	drainage structures, milling asphalt pavement, pavement patching, Class II base course, scarifying and
10/10 02/20	compacting roadbed, asphalt concrete pavement, Portland Cement Concrete Pavement, cofferdams,
10/18 - 03/20	stormwater pumping station, pavement striping, signs, and legends, and symbols. Mr. Liuzza's
	responsibilities on this project included responding to RFIs, performing periodic site visits, considering and
	negotiating change orders, performing substantial completion inspections, and quickly responding to limit
	the effect of often encountered unforeseen site conditions. The entire construction contract administration
	and construction engineering and inspection for this project was managed through LaDOTD SiteManager.
	OLD PROJECT No. 27821: LAKESHORE DRIVE IMPROVEMENT PROJECTS: Civil Engineer
	for 5.2 miles of scenic 4-lane roadway with all necessary utilities including sewerage, water and drainage,
06/07 - 11/17	sidewalks, and seawall stabilization along the entire length of the roadway. The project required the
00/07 11/17	reconstruction of 3,150 feet of Lakeshore Drive roadway and adjacent parking facilities. Mr. Liuzza was
	responsible for the preparation of the preliminary design, final design, construction administration, and
	resident inspection. Mr. Liuzza also coordinated and managed the geotechnical and surveying sub-
	consultants during the entire design process. DEI also provided the client with cost estimates and permit
	sketches as required by federal, state, and local authorities. Mr. Liuzza's responsibilities on this project
	include responding to RFIs, reviewing shop drawings, coordinating progress meetings, performing periodic
	site visits, considering and negotiating change orders, performing substantial completion inspections, and
	quickly responding to limit the effect of often encountered unforeseen site conditions.
	JPPW NO. 2010-04/: JEFFERSON PARISH SUBMERGED ROADWAYS PROGRAM: CIVIL
	Engineer for damage evaluation due to Hurricane Katrina and roadway reconstruction of eighty-live (85)
	Engineering's responsibilities included Site Evaluations. Drahmingry Dlang, Final Dlang, Construction
	Administration and Resident Inspection During site evaluations, DEL noted settlement and surface
01/13 - 04/16	administration, and Resident inspection. During site evaluations, DEI noted settlement and surface
01/15 01/10	Considerations during the design phase were tree root impacts on the existing roadway addition and/or
	repair of sidewalks driveways and handican ramps and adjustment of all drainage structures within the
	roadway limits Mr Liuzza's responsibilities on this project included responding to RFIs performing
	periodic site visits considering and negotiating change orders performing substantial completion
	inspections, and quickly responding to limit the effect of often encountered unforeseen site conditions
	meperatione, and quitting responding to minit the effect of otten encountered unterescen site conditions

Page **21** of **75** Prime consultant name: **Design Engineering, Inc.** 

Firm employed by Design Engineering, Inc.					
Name John Karlin, P.E., S.E.			Years of relevant experience with this employer 5		
Title Structural Engineer			Years of relevant experience with other employer(s) 0		
Degree(s) / Years	/ Specialization		Worcester Polytechnic Institute: BS, Civil Engineering 2016		
			University of Illinois Urbana-Champaign: MS, Civil		
			(Structural) Engineering 2017		
Active registration	n number / state / exp	iration date	P.E. : 44795 /LA/ 03/31/2023 S.E. : 081-008511 /IL/ 2022		
Year registered	2020	Discipline	Structural Engineer		
Contract role(s) / 1	brief description of re	esponsibilities	Mr. Karlin will serve as Structural Engineer for this contract. A partial list of pertinent projects relevant to this proposal is contained below:		
Experience dates	Experience and qu	alifications releva	nt to the proposed contract; i.e., "designed drainage", "designed girders",		
(mm/yy–mm/yy)	"designed intersect	ion", etc. Experien	ace dates should cover the time specified in the applicable MPR(s).		
	GNOEC No. 43	3: SOUTHBO	UND CAUSEWAY SAFETY RAIL IMPROVEMENTS (CE&I):		
	Engineer Intern fo	or the improvement	nt of the existing bridge railing system to MASH Test Level 4, the repair		
12/18 - 07/20	of damaged concrete railing, replacement of impact attenuators, relocation of signs and supports,				
modification of call boxes, installation of pavement markings, and installation of ac			tion of pavement markings, and installation of access platforms. CE&I:		
	construction administration includes the organization of progress meetings, review of submittals (e.				
	Construction Schedules, RFIs, Plan Changes, and Materials), and processing of partial pay estimates.				
	Resident inspection includes observation of construction activities (e.g., 48 miles of bridge rail fabrication				
	and installation, 138,000 epoxied anchor rods, and repair of damaged concrete rail), production of daily				
	reports, review of	TTC installation/	removal, and review of on-site safety.		
	JPPW No. 2013-0	011-RB: CAUSE	WAY BOULEVARD OVERPASS OF AIRLINE DRIVE: Structural		
	Engineer for this project, Mr. Karlin assisted the project engineer with conducting a comprehensive				
	structural inspection of all portions of the Causeway Boulevard Overpass of Airline Drive above railroad				
	traffic (all existing bridge components north of the southern right-of-way line of Airline Drive); perform a				
09/17 - 11/19	load capacity rating analysis of the AS-BUILT and AS-IS conditions of the structure, and submit a				
	comprehensive repair/rehabilitation report prioritizing recommended repairs/corrective measures. Based on				
	the findings of the	ne report, DEI is	responsible for the production of plans, specifications, and contract		
	documents to repa	ir/replace the Ov	erpass's girders, bearings, deck, and drainage system. Additionally, it is		
	DEI's responsibili	ity to provide full	-time resident inspection and testing services during construction.		

09/17 - 05/18	<b>CITY OF KENNER DUNCAN CANAL BRIDGE REPLACEMENT (CE&amp;I):</b> Structural Engineer for this project. Mr. Karlin assisted in the replacement of aging bridges spanning the Duncan Canal with a new, buried box culvert system that improves aesthetics while maintaining the conveyance of traffic across the canal. Responsibilities include the design of the top slab to resist vehicular loadings; the design of the base slab to adequately distribute loads to the soil; the design of the walls and wing walls to resist lateral soil pressures and soil and vehicular surcharge loadings; and the design of columns and beams to create a junction between Duncan Canal and Canal No. 2 and facilitate the flow of water between the two box culverts.
09/17 – 12/19	<b>WEST ESPLANADE U-TURN (CE&amp;I):</b> Structural Engineer for this project. Mr. Karlin assisted in the design of the apron slabs, headwalls, and wing walls for this pipe culvert structure to meet AASHTO and LADOTD standards. Responsibilities include the design of apron slabs to facilitate water flow and resist uplift forces; the design of headwalls to resist lateral soil pressures and vehicular surcharge loadings; and the design of wing walls to stabilize the canal slopes adjacent to the apron slabs.
09/17 – 10/19	<b>OLD NO. 27842: SEAWALL AREA EROSION CONTROL PAVING PROJECT – REACH 3A:</b> Mr. Karlin assisted with the erosion control project of the Lake Pontchartrain seawall. Responsibilities included design of slab on grade to support pedestrian traffic and prevent cracking and damage during extreme events planning of slab joint layout to allow expansion and contraction of the slab and seawall without cracking of the slab; planning of timber pile layout to ensure proper load transfer from the slab to the soil and minimize settling and damage due to soil erosion; and designing of grade beams and retaining walls near existing trees to satisfy the project goals without removal of trees.
5/19 – 8/20	<b>AIRLINE PARK BLVD. (CAMPHOR TO WEST NAPOLEON) (CE&amp;I):</b> Mr. Karlin assisted as the Structural Engineer for the construction of 0.390 miles of roadway, which included grading, drainage structures, milling asphalt pavement, pavement patching, Class II base course, scarifying and compacting roadbed, asphalt concrete pavement, Portland Concrete Pavement, cofferdams, storm water pumping station, and related work. Pavement striping, sign and legends, and symbols are also included. DEI was responsible for the construction, engineering, and inspection of this project, which included maintaining all construction field records; making daily entries in the project diary to indicate the contractor's personnel and equipment being utilized on the project, the work being accepted, and the acceptability of traffic control; and the charging of contract time through SiteManager.

Firm employed by	n employed by Design Engineering, Inc.				
Name Ben Bart	lett, P.E., P.T.O.E.	Years of relevant experience with this employer 8			
Title Civil Eng	gineer	Years of relevant experience with other employer(s) 4			
Degree(s) / Years	/ Specialization	The Citadel: BS, Civil/Environmental Engineering 2008			
		Auburn University: MCE, Civil Engineering 2010			
Active registration	n number / state / expiration date	38980 /LA/ 09/30/2024			
Year registered	2014 Discipline	Civil Engineer			
Contract role(s) / I	brief description of responsibilities	Mr. Bartlett will serve as Civil Engineer for this contract. He has had			
		extensive experience with the Design and Construction of Roadway			
		Projects throughout the Greater New Orleans Area. He is a certified			
		Professional Traffic Operations Engineer (P.T.O.E).			
Experience dates	Experience and qualifications releva	nt to the proposed contract; i.e., "designed drainage", "designed girders",			
(mm/yy–mm/yy)	"designed intersection", etc. Experier	ce dates should cover the time specified in the applicable MPR(s).			
	GNOEC NO. 433: SOUTHBOUND	CAUSEWAY SAFETY RAIL IMPROVEMENTS (CE&I): Project Engineer			
	or the improvement of the existing bridge railing system to MASH Test Level 4, the repair of damaged concrete railing,				
12/18 7/20	replacement of impact attenuators, relocation of signs and supports, modification of call boxes, installation of pavement				
12/10 - 7/20	markings, and installation of access platforms. CE&I duties included the organization of progress meetings, review of				
	<b>Resident inspection</b> included observation of construction activities (e.g., 48 miles of bridge rail fabricat				
	installation 138 000 enoxied anchor rods and renair of damaged concrete rail) production of daily reports review of T				
	installation/removal and review of on-s	site safety			
	DOTD SP NO H011798 6 AIRLIN	E PARK BOULEVARD (CAMPHOR TO WEST NAPOLEON) (CE&I)			
	Project Manager for the construction of	of 0.390 miles of roadway, which included grading, drainage structures, milling			
	asphalt payement, payement patching. Class II base course, scarifying and compacting roadbed asphalt concrete				
05/19 - 08/20	pavement, Portland Concrete Pavement, cofferdams, storm water pumping station, and related work. Pavement striping				
	sign and legends, and symbols are also included. DEI was responsible for the construction, engineering, and inspection of				
	this project, which included maintaining all construction field records; making daily entries in the project diary to indic				
	the contractor's personnel and equipment being utilized on the project, the work being accepted, and the acceptability of				
	traffic control; and the charging of contract time through SiteManager.				
	DOTD SP NO. H.011795: WESTWO	OD DRIVE (WB EXPRESSWAY. TO LAPALCO) (CE&I): Project Manager			
	for the construction of 0.648 miles of roadway, which included 20,516 SY of Portland Cement Concrete Pavement with				
	barrier curb, and mountable curb and g	utter. This project included a Class II base course, drainage pipes and structures,			

04/19 - 06/20	sanitary sewer and related work, and a tie-in to the existing Westbank Expressway on the north end and Lapalco Blvd. on the south end. Pavement striping, signs, legends, and symbols were also included. <b>DEI was responsible for the</b> <b>construction, engineering, and inspection</b> of this project, which included maintaining all construction field records; making daily entries in the project diary to indicate the contractor's personnel and equipment being utilized on the project, the work being accepted, and the acceptability of traffic control; and the charging of contract time through SiteManager.
02/14 – 04/19	JPPW NO. 2013-011-RB: CAUSEWAY BOULEVARD OVERPASS OF AIRLINE DRIVE: Civil Engineer for this project, Mr. Bartlett conducted a comprehensive structural inspection of all portions of the Causeway Boulevard Overpass of Airline Drive above railroad traffic (all existing bridge components north of the southern right-of-way line of Airline Drive); performed a load capacity rating analysis of the AS-BUILT and AS-IS conditions of the structure; and submitted a comprehensive repair/rehabilitation report prioritizing recommended repairs/corrective measures. Based on the findings of the report, DEI is responsible for the production of plans, specifications, and contract documents to repair/replace the Overpass's girders, bearings, deck, guardrails, and drainage system. Additionally, it is DEI's responsibility to provide full-time resident inspection and testing services during construction.
09/15 – 06/18	<b>CCE PROJECT NO. 115-104: RIVER FOREST PAVING AND DRAINAGE IMPROVEMENTS (WILLOW DRIVE):</b> Civil Engineer for this project, Mr. Bartlett was responsible for performing topographic survey services, production of plans, and construction engineering for the roadway and subsurface drainage improvements in the City of Covington. This project included removing and/or repairing existing drainage structures; installing subsurface drainage; removing and replacing reinforced concrete roadway panels and their underlying structural fills; and other work as required by the plans and specifications. Mr. Bartlett was responsible for the production of preliminary plans, final plans, and project specifications and for assisting the owner with the bid phase of the project.
01/10 - 12/16	<b>JPPW NO. 3010-047: JEFFERSON PARISH SUBMERGED ROADWAYS PROGRAM:</b> Civil Engineer to repair damage to concrete and asphalt roadways throughout the Parish. Mr. Bartlett was part of the team that was responsible for the design and construction (including resident inspection) for all the roads within District 1, District 2, and all the concrete roads within District 5. This was primarily a concrete panel replacement project, though there was a percentage of asphalt work as well. While base materials and utilities were not a specific part of the scope, they were a small but necessary part of the project.
01/08 – 12/14	<b>ST CHARLES PARISH ROAD MAINTENANCE PROGRAM:</b> St. Charles Parish annually expends millions on new roadway construction and maintenance of infrastructure. Mr. Bartlett was the lead engineer for the initial assessment of all roadways, the creation of plans and specifications for bidding, and the oversight of construction activities as well as resident inspection services for these funds. Work included concrete panel replacement, driveway apron repair, asphaltic concrete patching, mill/overlay of asphalt roads, and installation of handicap-accessible ramps and sidewalks. Work also included all utility conflicts that were a result of the above (primarily drainage, but occasionally sewer and water) and quantifiable justification for the expenditure of federal dollars.

Firm employed by Design Engineering, Inc.			
Name Collin Gillen, E.I.			Years of relevant experience with this employer 2
Title Civil Eng	gineer Intern		Years of relevant experience with other employer(s) 0
Degree(s) / Years	/ Specialization		Louisiana State University: BS, Civil Engineering 2020
Active registration	number / state / exp	piration date	34496 /LA/ 09/30/2024
Year registered	2020	Discipline	Civil Engineer
Contract role(s) / b	prief description of re	esponsibilities	Mr. Gillen will serve as a Civil Engineer Intern for this project.
Experience dates	Experience and qu	alifications relevant	nt to the proposed contract; <i>i.e.</i> , "designed drainage", "designed girders",
(mm/yy–mm/yy)	"designed intersect	ion", etc. Experien	ce dates should cover the time specified in the applicable MPR(s).
07/20 - Ongoing	<b>DOTD SP NO. H.007276.6: MAGAZINE ST. (LEAKE AVE TO EAST DRIVE) (CE&amp;I):</b> As an Engineering Intern, Mr. Gillen is currently assisting the project engineer in the construction administration of the reconstruction of Magazine Street, between the intersections of Leake Avenue and East Drive, located in the Audubon Neighborhood area of New Orleans. Responsibilities include construction management, document control, and meeting coordination. This project also includes full reconstruction and will include full block roadway pavement replacement including resetting distinctive aggregate curbs, ADA accessible ramps, drainage system replacement, sidewalk, driveway, sewer line, and water main utility replacement. This project is also in coordination with Hard Rock Construction throughout the construction of the project.		
07/20 - Ongoing	<b>SOUTHBOUND CAUSEWAY BRIDGE SAFETY RAIL REPLACEMENT:</b> As an Engineering Intern, Mr. Gillen performed inspection oversight, quality assurance, and construction administration for Engineer Intern for the improvement of the existing bridge railing system to MASH Test Level 4, the repair of damaged concrete railing, replacement of impact attenuators, relocation of signs and supports, modification of call boxes, installation of pavement markings, and installation of access platforms. CE&I: construction administration includes the organization of progress meetings, review of submittals (e.g. Construction Schedules, RFIs, Plan Changes, and Materials), and processing of partial pay estimates. Resident inspection includes observation of construction activities (e.g. 48 miles of bridge rail fabrication and installation, 138,000 epoxied anchor rods, and repair of damaged concrete rail), production of daily reports, review of TTC installation/removal, and review of on-site safety. Responsibilities included evaluation of construction operations/work for conformance with the Plans and Specifications; coordination of daily field notes and		

	acceptance of work with up to ten inspectors; and assistance in the response to RFIs, submittals, and monthly project progress summaries.
07/20 - Ongoing	<b>CAUSEWAY BLVD. OVERPASS OF AIRLINE DRIVE:</b> As an Engineering Intern, Mr. Gillen is assisting the project engineer with the oversight of the rehabilitation of bridge spans of this 1950s-era structure to meet AASHTO and LaDOTD standards. Responsibilities include structural analysis of existing girders according to modern standards to determine adequacy in terms of safety and serviceability, design of cover plates for failing girders and their connections to strengthen spans at a lower cost than replacement, coordination of the removal and replacement of a corroded portion of the girder to reduce costs in comparison to replacement of the entire girder, and design of flange and web splice plates and their connections to safely transfer loads between the existing and new portions of girder.
07/20 - Ongoing	<b>STATE STREET DRIVE RECONSTRUCTION, ORLEANS PARISH:</b> As an Engineering Intern, Mr. Gillen is currently assisting the project engineer in the design of the reconstruction of State Street Drive in New Orleans. Responsibilities include reviewing plans for water and sewer line connections. This project includes full reconstruction and will include full block roadway pavement replacement including resetting distinctive aggregate curbs, ADA accessible ramps, drainage system replacement, sidewalk, driveway, sewer line, and water main utility replacement. This project also includes coordination with Batture Engineering for assisting in design.

Firm employed by	Eustis Engineering, L.I	<b>C</b> .		
Name Chad M. Ortolano			Years of experience with this firm/employer	8
Title Senior CMT Technician			Years of experience with other firm(s)/employer(s)	5
Degree(s) / Years / Specialization			High School Graduate / 2007	
Active registration m	umber / state / expiration	date	N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		bilities	Mr. Ortolano meets the requirements for this project as a Traffic Con Supervisor certified by the ATSSA. He will also be able to provide CMT services for this project if needed. He is an ACI-certified concr testing technician, has NICET CMT certifications in Soil, Asphalt, a (Level II for all), and holds a HAZMAT Certification for Nuclear Ga	ntrol a variety of rete field- nd Concrete auges.
Experience dates	Experience and qualific	ations relevant t	o the proposed contract; i.e., "designed drainage," "designed girders,"	' "designed
(mm/yy-mm/yy)	intersection," etc.		A DECOMEDY DOAD BROHECT MEET DANK ODOUD	D
03/20 - 12/21	ORLEANS PARISH inspection services on	LEANS - FEN I, LOUISIANA I this federal pr	A (24336): Mr. Ortolano provided in-place density tests and con roject.	ncrete
01/18 - 04/18	LADOTD - CANAL AMETHYST STRE density tests and conc	BOULEVAR ET, ORLEAN rete inspection	D RECONSTRUCTION, ROBERT E. LEE BOULEVARD (S PARISH, LOUISIANA (23736): Mr. Ortolano performed in services on this project on an as-needed basis.	TO n-place
8/18 - 01/20	CITY OF SLIDELL NO. 951-2A (23957): being used as roadway hours of CMT inspect	- SCHNEIDE Mr. Ortolano y base course n ion services du	<b>CR INFRASTRUCTURE REPAIRS, PHASE II, SLIDELL P</b> performed numerous in-place density tests on this project on m naterials as well as asphalt inspection in the field. He provided a uring the project's construction.	PROJECT aterials nearly 180
03/18 - 05/18	ORLEANS LEVEE DISTRICT - WEST ROADWAY STREET DRAINAGE REPAIRS, SOUTH ROADWAY STREET TO FLOODGATE L-01 (23789): The project comprised drainage and roadway repairs along South Roadway Street to Floodgate L-01 in New Orleans, Louisiana. Mr. Ortolano provided in- place density tests for the project.			
09/14 - 11/15	BATON ROUGE C THRUWAY PROJE nearly 150 hours of C and asphalt inspection	<b>TTY-PARISH</b> CT, EAST B. MT inspection a services.	GOVERNMENT - GOVERNMENT STREET, SOUTH ATON ROUGE PARISH, LOUISIANA (B0207): Mr. Ortola services on this project including in-place density tests, concrete	ACADIAN no provided e inspection,

Firm en	nployed by	7 Eustis Engineeri	ng, L.L.C.				
Name	Chad L.	Held, P.E.			Years of relevant experience with this employer	31	
Title	Senior P	roject Manager and Vice President			Years of relevant experience with other employer(s)	0	
	(Busines	s Development)					
Degree(	(s) / Years	/ Specialization		Mas	ster of Science / 2002 / Civil Engineering		
				Bac	helor of Science / 1998 / Civil Engineering		
Active 1	registration	n number / state / exp	iration date	Lice	nse No. 30257 / Louisiana / 9-30-2022		
Year reg	gistered	2002	Discipline	Civi	il Engineering		
Contrac	t role(s) / 1	brief description of re	esponsibilities	Mr. 1	Mr. Held will meet Minimum Personnel Requirements Nos. 1 and 2 of this RFQ. He		
				1s a	principal of Eustis Engineering and a registered Professional	Engineer in Civil	
				Engi	onsible charge of geotechnical engineering projects	of experience in	
Experie	nce dates	Experience and au	alifications rele	evant	to the proposed contract: <i>i.e.</i> "designed drainage" "de	signed girders"	
(mm/vv	-mm/vv)	"designed intersecti	ion", etc. Expe	rience	e dates should cover the time specified in the applicable N	APR(s).	
		STATE OF LOUI	SIANA. HUE	Y P.	LONG BRIDGE WIDENING, ROUTE U.S. HIGHW	AY 90, WEST	
		BANK AND EAST BANK APPROACHES AND MAIN BRIDGE DECK WIDENING. JEFFERSON					
		PARISH, LOUISI	ANA (18530, 2	20262	): As a Project Engineer, Mr. Held developed allowable v	vertical pile load	
		capacities (precast o	concrete, steel H	I, and	treated ASTM D 25 timber); allowable shaft load capacit	ties (7 and 9 feet	
		in diameter) to sup	port Pier IVA	locate	ed along the East Bank Approach with and without the	benefit of post-	
		grouting the shaft t	ips; estimates o	of sett	lement for the proposed pile/shaft groups; evaluation of	pile/shaft group	
08/06	-12/14	capacity and spacing; lateral load analyses of pile foundations for various pile group configurations and loading					
		conditions, in addition to analyses of a single pile, to evaluate the sensitivity of the point of fixity; dewatering and					
		pressure relief recommendations for the construction of Pier IVA; and recommendations for test pile and test shaft					
		programs. Once construction began, Mr. Held performed dynamic pile testing and signal matching verification					
		(CAPWAP® analyses) on selected piles to evaluate capacity for the project. He also intercross-hole sonic logging					
		results.					
		LADOTD, I-10 CA	ALCASIEU RI	VER	BRIDGE PROJECT, LAKE CHARLES, LOUISIAN	A (24584): This	
		project comprised 24 100-ft borings (75% over land and 25% in marsh). Laboratory testing of samples includes					
06/21	01/22	thatial unconsolidated undrained tests, Atterberg limits, particle size analysis, moisture content, percent passing					
06/21 - 01/22	were provided to the client. Mr. Held was responsible for quality control recording the review of the data being						
	transmitted with the gINT database and other project summaries						
				c and	other project summaries.		
		I					

03/11 – 08/16	<b>STATE OF LOUISIANA, WISNER BOULEVARD OVERPASS, ORLEANS PARISH, LOUISIANA</b> (22972, 22637, 21349, 21966): Mr. Held provided quality control and review during the construction phase of the project. Eustis Engineering performed dynamic pile testing with signal matching on selected monitor piles, indicator piles, and job piles. Mr. Held reviewed and adjusted the results of the signal matching verification using his experience in subsoil conditions encountered at the site and considering the piles and driving system.								
06/08 - 02/12	<b>STATE OF LOUISIANA, INTERSTATE 12 WIDENING FROM O'NEAL LANE TO RANGE AVENUE,</b> <b>EAST BATON ROUGE PARISH, LOUISIANA (20298):</b> As Senior Project Manager, Mr. Held provided an independent quality assurance technical review for various aspects of the project's construction. Mr. Held performed dynamic pile testing services and CAPWAP <sup>®</sup> analyses on precast concrete piles being driven as job piles. In addition, Mr. Held performed WEAP analyses to approve hammers utilized on the project. Upon completion of DPTing and initial installation of test piles and indicator piles, Mr. Held also developed inspectors' charts and pile driving criteria for respective pile bents.								
04/08 – 04/14	U. S. ARMY CORPS OF ENGINEERS, INNER HARBOR NAVIGATION CANAL SURGE PROTECTION PROJECT, NEW ORLEANS, LOUISIANA (20243.0014): As Project Engineer, Mr. Held performed dynamic pile testing as well as reviewed DPTs performed by others to ensure DPT data quality. CAPWAP analyses were performed on end of driving and restrike DPTs to evaluate shaft resistance along the pile, setup up over time, and ultimate pile capacity. Mr. Held was also on rotational calls to provide project management services and assist with quality control and pile installation design questions.								
02/11 - 09/15	<b>STATE OF MISSISSIPPI, DESIGN-BUILD PROJECT, INTERSTATE 269 OVER COLDWATER</b> <b>RIVER, MARSHALL COUNTY, MISSISSIPPI (23535):</b> Mr. Held developed the geotechnical scope of work for the project. He performed a detailed review of pile capacity analyses providing compressive, tensile, and lateral load estimates. Mr. Held performed a peer review of a detailed drivability study using GRLWEAP to evaluate the ability of proposed hammers to install test piles and production piles to the desired tip elevations. He used the results of the test pile program to develop pile inspectors' charts for each bridge bent. He managed dynamic pile testing in the field and CAPWAP analyses.								
Firm emp	Firm employed by Eustis Engineering, L.L.C.								
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Name	Travis R. Richards, P.E.				Years of relevant experience with this employer	16			
Title	Vice Pres	esident of Testing and Senior Project			Years of relevant experience with other employer(s) 7				
	Manager								
Degree(s	) / Years	/ Specialization		Grad	duate Certificate / 2018 / Coastal Engineering				
				Mas	ter of Science / 2017 / Engineering				
				Mas	ter of Science / 2015 / Engineering Management				
		• • • • • •		Bac	helor of Science / 1998 / Civil Engineering				
Active re	gistration	number / state / ex	piration date	Lice	nse No. 30992 / Louisiana / 03-31-2023				
Year regi	istered	2004	Discipline	Civi	l Engineering				
Contract	role(s) / t	orief description of	responsibilities	Mr.	Richards is responsible for the technical functions/perform	nance of the soil			
				mec	hanics laboratory. As a Professional Engineer in Cr	vil Engineering			
				regi	stered in Louisiana, with more than five years experience	and comparable			
				expe	orthogonal acceptance of construction	n materials on			
					LaDOID projects, he fulfills Item Nos. 1, 2, and 4 of the Minimum Personnel				
				Req	the discourse of a sector of a sector of the				
Experien	perience dates Experience and qualifications rele				to the proposed contract, <i>i.e.</i> , designed dramage, designed dramage, des	ADD(s)			
(IIIII/yy-	-mm/yy)	STATE OF LOUISIANA CANAL POLI EVAPD RECONSTRUCTION ROPERT F. LEE POLI EVAPD TO							
		AMETHYST STREET NEW ORLEANS LOUISIANA (23726). The scope of work for this project included soil							
01/10	0.4/21	mechanics laborato	rv tests, in-place	nuclear density tests, concrete inspections, compressive strength testing of concrete					
01/18 -	- 04/21	cylinders, and aspl	halt pavement co	res at	172 locations to an approximate 12-in. depth. Mr. Richard	ds has provided			
		oversight of this testing and associated reporting through our online portal.							
		LADOTD, GIRI	DER SPAN B	RIDG	SE REPAIRS, EARHART EXPRESSWAY, AND	CLEARVIEW			
		PARKWAY INT	ERCHANGE, I	META	AIRIE, LOUISIANA (23954): This project included	quality control			
08/18 -	- 11/18	inspections and tes	ting of concrete a	and grout, as well as a special inspector for high-strength grout. Mr. Richards was					
		Project Manager for this work.							
		LADOTD L10 A	ND L12 COLLE	GE F	LVOVER RAMP DESIGN-BUILD PROJECT EAST B	ATON ROUGE			
		PARISH. LOUIS	IANA (B0646):	Servi	ices for this project included undisturbed borings, auger b	orings, and cone			
02/20 0		penetration tests.	Eustis Engineerin	ng als	so provided laboratory testing including Atterberg limits to	ests, hydrometer			
03/20 - 0	Jngoing	analyses, and one-	dimensional cons	olidat	tion tests. Mr. Richards provided a quality review of the la	aboratory testing			
		services and the CI	PT results.						

01/21 - Ongoing	<b>LADOTD, BAYOU BARATARIA BRIDGE, JEFFERSON PARISH, LOUISIANA (24515):</b> The goal of this project is a full replacement of the Bayou Barataria Bridge. Eustis Engineering obtained relevant permits and land access and drilled 24 borings over water, marsh, and pavement. Geotechnical analyses include vertical and lateral pile analyses, pile scours capacity, lateral load analyses, pile group settlement, ground settlement, settlement surcharge/remediation, retaining wall recommendations, slope stability, and pavement design. Mr. Richards oversaw the laboratory testing services and reporting. He adjusted the gINT database/library to allow for client-requested formatting and report generation to complete the data report.
06/21 - 01/22	LADOTD, I-10 CALCASIEU RIVER BRIDGE PROJECT, LAKE CHARLES, LOUISIANA (24584): This project comprised 24 100-ft borings (75% over land and 25% in marsh). Laboratory testing of samples includes triaxial unconsolidated undrained tests, Atterberg limits, particle size analysis, moisture content, percent passing the No. 200 sieve, and consolidation with a rebound. A geotechnical data report, boring log files, and test results were provided to the client. Mr. Richards' responsibilities included adjustments to the gINT library to produce the requested information. He also provided a quality-level review of the data and laboratory summaries.
04/08 - 04/14	U.S. ARMY CORPS OF ENGINEERS, INNER HARBOR NAVIGATION CANAL SURGE PROTECTION PROJECT, NEW ORLEANS, LOUISIANA (20243.0015): Mr. Richards' role as the geotechnical design lead included project management and review of deliverables of other geotechnical engineering consultants during the project, geotechnical design of project features, oversight, and acceptance of piles driven to support the project, and served as the liaison for geotechnical matters for the design-build contractor, Shaw E&I, during the project.
02/09 - 03/15	U. S. ARMY CORPS OF ENGINEERS, PREPARATION OF DESIGN DOCUMENTATION REPORT AND PLANS AND SPECIFICATIONS, WBV-74 AND WBV-09B, WESTERN TIE-IN CLOSURE STRUCTURE, ST. CHARLES AND PLAQUEMINES PARISH, LOUISIANA (20536): Mr. Richards was the instrumentation engineer assigned to the project. He was involved in the development and implementation of the instrumentation plan and oversaw the field installation of the geotechnical monitoring equipment including data loggers. Mr. Richards processed instrumentation readings and created modeling of the preload/surcharge stacks to evaluate the progress of the project preload/surcharge program. He also summarized the instrumentation readings and observations in the form of geotechnical data reports.
01/12 - 10/17	<b>STATE OF LOUISIANA, ROUTE I-10, WILLIAMS BOULEVARD TO VETERANS BOULEVARD AND LOYOLA DRIVE TO WILLIAMS BOULEVARD, JEFFERSON PARISH, LOUISIANA (21687):</b> Mr. Richards performed settlement analyses for various embankment fill heights and widths, as well as slope stability analyses to evaluate each of the canal crossings.
03/18 - 01/19	ORLEANS LEVEE DISTRICT, WEST ROADWAY STREET DRAINAGE REPAIRS, SOUTH ROADWAY STREET TO FLOODGATE L-01, NEW ORLEANS, LOUISIANA (23789): Mr. Richards provided direct oversight of the field inspectors, laboratory testing of soils and concrete, and quality assurance. Mr. Richards also provided a review of material submittals, and dispute resolution, and acted as a liaison among construction materials testing and project civil and geotechnical engineers.
04/17 - 07/18	<b>CITY OF NEW ORLEANS, BOURBON STREET RECONSTRUCTION PROJECT, CANAL STREET TO DUMAINE STREET, NEW ORLEANS, LOUISIANA (23548, .01):</b> As project manager, Mr. Richards provided direct oversight and review of soils and aggregates materials' sampling and laboratory testing, in-place nuclear density testing, and vibration monitoring results.

Firm employed by Eustis Engineering, L.L.C.									
Name	Gwendo	lyn P. Sanders, P.E.			Years of relevant experience with this employer	29			
Title	Vice Pre	esident of Testing and Senior Project			Years of relevant experience with other employer(s) 0				
	Manager	ſ							
Degree(	(s) / Years	/ Specialization		Mas	ster of Science / 1992 / Engineering				
				Bac	helor of Science / 1990 / Civil Engineering				
Active registration number / state / expiration date			iration date	PE.0	0027104 / Louisiana / 9-30-2023				
Year reg	gistered	2004	Discipline	Civi	Il Engineering				
Contrac	t role(s) /	brief description of re	esponsibilities	As F	resident, Mrs. Sanders will be responsible for the overall service is Engineering and will meet Minimum Personnel Requirement	/ices provided by			
				this	RFO.	ts 105. 1 and 2 01			
Experie	nce dates	Experience and qua	alifications rele	evant	to the proposed contract; <i>i.e.</i> , "designed drainage", "de	signed girders".			
(mm/yy	–mm/yy)	"designed intersecti	ion", etc. Expe	rience	e dates should cover the time specified in the applicable N	/IPR(s).			
01/18	-04/21	LADOTD, CANAL	BOULEVAR	D RE	CONSTRUCTION, ROBERT E. LEE BOULEVARD T	O AMETHYST			
		STREET, ORLEANS PARISH, LOUISIANA (23726): This project included soil mechanics laboratory tests, in-							
		place nuclear density tests, concrete inspections, compressive strength testing of concrete cylinders, and asphalt							
		pavement cores to in	e approximate 1	2-m. (	depth at 1/2 locations. Ms. Sanders was the principal in charg	ge of this project.			
03/11	- 08/16	STATE OF LOUIS	SIANA - WISN	ER B	BOULEVARD OVERPASS, ORLEANS PARISH, LOUI	ISIANA (22972,			
		22637, 21349, 2196	6): Ms. Sanders	s help	ed develop subsoll design parameters at each boring location	n. These design			
		for alternate nile size	ves Precast con	ncrete	piles were being considered for support. Other factors c	onsidered in our			
		engineering analyses	engineering analyses included drag loads due to filling placement estimated total settlement due to structural loads						
		pile installation reco	mmendations, a	nd rec	commended inspection and monitoring of existing structures	3.			
03/20 -	Ongoing	LADOTD - I-10 A	AND I-12 CO	LLEO	GE FLYOVER RAMP DESIGN-BUILD PROJECT,	EAST BATON			
		<b>ROUGE PARISH</b> ,	LOUISIANA (	<b>B064</b>	6): Services for this project included undisturbed borings, au	iger borings, and			
		cone penetration test	s. Eustis Engin	eering	also provided laboratory testing including Atterberg limits	ests, hydrometer			
		analyses, and one-di	mensional conse		ion tests. As Principal, Ms. Sanders has put in over 300 hours ad with the design and construction services. She participal	rs on this project			
		progress meetings be	oth with the desi	ion te	am and with the owner representatives	pates in weekly			
02/18	- 9/19	GREATER NEW	ORLEANS EX	(PRE	SSWAY COMMISSION - LAKE PONTCHARTRAIN	CAUSEWAY.			
		SAFETY BAY IM	PROVEMENT	S, JE	EFFERSON AND ST. TAMMANY PARISHES, LOUIS	SIANA (23800):			
		As Engineering Man	ager and Project	t Prino	cipal, Ms. Sanders was involved in the development of the ge	otechnical scope			
		of work as well as	field and labora	atory	programs. She provided general oversight and review of	the engineering			
		analyses during the g	eotechnical exp	lorati	on. She also provided oversight and evaluation during the co	nstruction phase,			
		including a review of the verification testing of indicator piles and monitor piles.							

	STATE OF LOUISIANA - HUEY P. LONG BRIDGE WIDENING, ROUTE U.S. HIGHWAY 90, WEST
	BANK AND EAST BANK APPROACHES AND MAIN BRIDGE DECK WIDENING, JEFFERSON
	PARISH, LOUISIANA (18530, 19483, 20262): Ms. Sanders was the Project Manager and lead geotechnical
08/06 - 12/14	engineer during design and construction. Ms. Sanders provided design pile and shaft capacities in the
	engineering/design phase of the project. Prior to construction, she reviewed the geotechnical aspects of the project
	specifications and provided comments. During construction, she observed/witnessed drilled shaft installations
	and shaft inspection device (SID) testing prior to concrete placement. She also observed and reviewed the results
	of pile and shaft load testing and provided final inputs to the pile data tables.
	U.S. ARMY CORPS OF ENGINEERS - A-E IDIQ CONTRACT FOR SOIL BORINGS, SOIL TESTING,
	CONCRETE AND OTHER MATERIALS TESTING, VIBRATION MONITORING, AND OTHER
	RELATED SERVICES FOR THE NEW ORLEANS DISTRICT AND THE MISSISSIPPI VALLEY
06/16 - 06/20	DIVISION (23226): As Principal Engineer, Ms. Sanders has been the Point of Contact between the
	Government's Contracting Officer and Eustis Engineering in the administration of this contract. She has
	negotiated subcontract agreements with our team members and coordinated scopes of work for the various task
	orders issued under this five-year contract. Similar to the anticipated LaDOTD IDIQ, task orders under this
	contract have ranged from small laboratory testing services only to drilling and laboratory testing of various scopes
	and durations (one boring to 100 borings) and have included design services and desktop studies.
	STATE OF LOUISIANA - ROUTE I-10, JEFFERSON PARISH, LOUISIANA, S.P. NOS. H009087.5 AND
	H.003074.5 (21687): Ms. Sanders served as the Project Manager during the exploration phase of these projects
	and preliminary design. She assisted with rating determinations of the existing Veterans Boulevard and Duncan
	Avenue canal bridges and the Loyola Drive and Williams Boulevard overpasses. This rating included
01/10 05/10	recommended resistance factors associated with the available tests to be used to assess the existing structure's
01/12 - 05/19	ability to meet current LRFD requirements. Engineering analyses included settlement evaluations for various
	embankment fill heights and widths; settlement and differential settlement of pile foundations; slope stability of
	each canal crossing; and ultimate vertical pile capacities. Ms. Sanders provided senior-level review during later
	project phases when a bridge replacement, rather than widening, was selected. The replacement bridge required
	the evaluation of a preload/surcharge program.

Firm employed by Infinity Engineering Consultants, LLC								
Name Raoul V.	Chauvin, III, P.E.	Years of relevant experience with this employer 18						
Title Principal		Years of relevant experience with other employer(s) 13						
Degree(s) / Years	/ Specialization	Bachelor of Science / 1990 / Mechanical Engineering						
Active registration	n number / state / expiration date	No. 28272 / LA / 3/31/2023						
Year registered	1999 Discipline	Mechanical Engineering						
Contract role(s) / I	brief description of responsibilities	Engineer of Record/Principal-in-Charge - As Principal Partner	of Infinity					
		Engineering Consultants, Mr. Chauvin is responsible for all r	nechanical					
		system designs. Included in those responsibilities are client inte	erface, site					
		evaluation, contract negotiation, project management, design, an	nd drafting					
		supervision. Mr. Chauvin participates in project review mee	etings and					
		coordinates project relevant activities between the company and the	ne client.					
Experience dates	Experience and qualifications relevant	vant to the proposed contract; i.e., "designed drainage", "designe	d girders",					
(mm/yy–mm/yy)	"designed intersection", etc. Exper	ience dates should cover the time specified in the applicable MPR(	s).					
	OLLIE CANAL DRAINAGE PU	MP STATION: Lead Mechanical Engineer for a \$16.5MM 600 CF	'S drainage					
07/06 - 07/11	pump station addition. He evaluated	existing pumps to determine suitability of present and future demands.	Additional					
	fuel, air, and water supply systems w	ere designed to support the new pumps.						
	<b>RTA HISTORIC NAPOLEON F</b>	ACILITY ASSESSMENT: Principal and mechanical engineering	supervisor					
11/12 - 12/14	responsible for the inspection of the mechanical, structural, plumbing, fire protection and electrical systems of the							
	16,000 sq ft building and proposed underpinning of the foundation, repair of the walls and roof framing, as well as							
	mechanical and electrical upgrades a	nd repairs to this historic building.						
05/14 00/10	PORT OF NEW ORLEANS PAT	<b>TERSON PUMP STATION:</b> Principal Engineer and Mechanical E	ingineering					
05/14 - 02/18	Supervisor for the design of remova	I and returbishment of two vertical pumps; condition evaluation of t	wo electric					
	motors; replacement of the electrical system from the existing main breaker/disconnect; establishment of a back-up							
	against the flood protection requirem	ent	arge piping					
	PORT OF NEW ORLEANS III I	A STREET WATER METER: Drincipal for the design of a new 12"	municipal					
01/20 - Current	water meter to provide service to the	Julia Street Cruise Terminal Designs included water line modification	ns below					
01/20 - Current	street level: installation of a new mar	hole and water meter water line mode above street level and along ex	visting					
	bridge: and bridge mods to allow the	acceptance of new water line additions.	listing					
	JP LANDFILL GAS COLLECTIO	ON EXPANSION SYSTEM: Principal and Mechanical Engineering	Supervisor					
	responsible for providing the engine	eering design services, project management, and construction mana	gement for					
01/13 - 12/14	assessments and upgrades through	out the landfill. The Gas Collection System Expansion project in	cluded the					
	mechanical and associated electrical	design of the installation of (30) new gas collection wells; (2) condens	sate sumps;					
	5,417 linear feet of 6" and 8" HDPE	laterals; 4,437 linear feet of 10" HDPE headers; and 10,047 linear fee	et of 2" DR					
	9 of compressed air and force main p	ipe.						

Firm employed by Infinity Engineering Consultants, LLC.								
Name Laura Kelly, P.E.				Years of relevant experience with this employer 6				
Title Mechanical Engineering Manager				Years of relevant experience with other employer(s)	6			
Degree(s) / Years	Degree(s) / Years / Specialization			or of Science / 2008 / Mechanical Engineering				
Active registration	number / state / exp	iration date	No. 39	645 / Louisiana / 09/30/2023				
Year registered	2015	Discipline	Mecha	nical Engineering				
Contract role(s) / l	orief description of		Mecha	nical Inspection Manager - Ms. Kelly holds twelve	years of			
responsibilities			mechar	nical engineering experience, including more than five year	s in major			
			capital	oil and gas consulting. As Mechanical Engineering Manager,	Ms. Kelly			
			oversee	es all mechanical designs and deliverables. Ms. Kelly has s	erved as a			
			mechar	nical technical lead in phases ranging from design conception	on to field			
			installa	tion and startup. When called for, Ms. Kelly ensures all r	nechanical			
			designs	s seemly integrate with Infinity's civil, structural, and	electrical			
<b>.</b>		1:0	compoi	nents.	1 1 1			
Experience dates	Experience and qu	alifications rel	levant to	the proposed contract; <i>i.e.</i> , "designed drainage", "designed	d girders",			
(mm/yy-mm/yy)	SEWEDACE & W	ton, etc. Exp	erience (	nates should cover the time specified in the applicable MPR(s	s).			
04/16 12/16	SEWERAGE & W.	of Katrina-rela	ted renai	repairs at multiple sewage pumping stations. Project responsibilities included				
04/10-12/10	performing site visits, determining repair designs, and developing construction drawing.							
	IMTT GEISMAR NEW DOCK 4 DESIGN AND CONSTRUCTION: Project engineer responsible for management of							
	the mechanical scope and mechanical engineering design for a new marine dock at IMTT's Geismar Terminal through final							
03/16-02/21	design, bidding, and	construction. Pr	oject resp	ponsibilities during the design phase included coordination with th	e client and			
	other disciplines, detailed design of product and utility systems, and developing detailed mechanical plans, 3D piping mode,							
	project specifications, P&ID's, and isometrics.							
	PLANIERS PUMP	PLANTERS PUMP STATION REPLACEMENT DESIGN: Project engineer responsible for project management and						
12/18 - 02/22	Station Droject responsibilities included project coordination site visite specification of equipment design of engine							
	cooling system and development of drawings specifications and project documents							
	CGB FERTILIZER	R EQUIPMEN	T MOD	<b>IFICATIONS:</b> Project engineer responsible for performing sit	te visit and			
	inspection of rail unl	oading hopper	and conv	eyor systems at CGB's Mound City facility. Project responsibiliti	es included			
11/18 - 8/2019	coordinating testing	and inspection	site visi	it, performing site visit to document system conditions, analyz	ing facility			
	documents, developi	ng recommenda	ations and	d opinions of probable repair costs, and compiling and presentin	ig report of			
	findings and recomm	endations to cli	ent.					
	CONWAY BAYOU	DRAINAGE I	PUMP S	A with a proposed expansion of the Convey Dayou Drainage Dum	mechanical			
	Sorrento I A The fit	nal design inclu	ded two	diesel-driven numps with right angle gear drives and formed suct	ion intakes			
06/20 - Current	as well as modification	ons to the diesel	fuel stor	age and piping systems. Project responsibilities included equipmen	t sizing and			
	selection, design of e	ngine fueling sy	stem, an	d development of drawings, specifications, and project documents				
	_							

Name Brian Lauritsen F.L. Vears of relevant experience with this employer	2							
I vane Dhan Lauritsen, L.i. I ears of relevant experience with this employer	2							
Title         Mechanical Project Engineer         Years of relevant experience with other employer(s)	1							
Degree(s) / Years / Specialization Bachelor of Science / 2019 / Mechanical Engineering								
Active registration number / state / expiration date No. 34395 / Louisiana / 09/30/2023								
Year registered 2020 Discipline Mechanical Engineering								
Contract role(s) / brief description of responsibilities Mechanical Inspection - Mr. Lauritsen holds a Bachelor of	Science in							
Mechanical Engineering from the University of New Or	eans. His							
responsibilities include the development of general engineering	lesigns for							
mechanical items, preparation of cost estimates, and the coord	lination of							
drawing & specification packages.								
Experience dates Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , "designed drainage", "designed	d girders",							
(mm/yy-mm/yy) "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(	s).							
CORNERSTONE CHEMICAL COMPANY DOCK ASSESSMENT: Project Engineer responsible for sp	cifying the							
performance characteristics of a pedestal mounted nose tower crane, as well as quality assurance for mecha	ncal piping							
05/20 - 06/22 Support systems. Other project responsionities include estimating the cost of a replacement design and the entire	waterfront							
infrastructure As part of monitoring damage due to the allision surveying movement of the hose tower st	infrastructure As part of monitoring damage due to the allision surveying movement of the hose tower structure was							
performed weekly with GPS and laser scanning technology.	actare was							
LAKESHORE ROADWAY IMPROVEMENT GROUP C & D:_ Project Engineer responsible for respon	ling to City							
o/20 - 10/21 and S&WB comments and checking water line, drainage, and sewer system drawings for compliance with design	n intent.							
HERO PUMPING STATION INSPECTION: Project Engineer responsible for conducting resident inspect	HERO PUMPING STATION INSPECTION: Project Engineer responsible for conducting resident inspection services							
6/20 - 8/21 as a representative of Jefferson Parish. Responsibilities included ensuring contractor followed construction	locuments /							
specifications and jobsite safety standards.								
GLENWOOD SIREET LIGHTS: Project Engineer responsible for conducting resident inspection set representative of lefferson Parish Responsibilities included ensuring contractor followed construction (	GLENWOOD SIREEI LIGHIS: Project Engineer responsible for conducting resident inspection services as a							
1/21 - 11/21 representative of senerson ransh. Responsibilities included ensuing contractor followed construction of specifications and jobsite safety standards as well as communicating residents' concerns with the contractor and	specifications and jobsite safety standards as well as communicating residents' concerns with the contractor and/or client to							
satisfy their needs.	satisfy their needs.							
5/21 C SUBURBAN PUMP STATION ENGINE AND GEAR REPLACEMENT: Project Engineer responsible for	construction							
3/21 - Current administration services, including review of submittals and participation in construction progress meetings.								
CONWAY BAYOU DRAINAGE PUMP STATION: Project Engineer responsible for the mechanical d	esign of an							
06/20 - Current expansion to the existing Conway Bayou drainage pump station. Responsibilities included sizing and specifying	expansion to the existing Conway Bayou drainage pump station. Responsibilities included sizing and specifying two 75,000							
GPM vertical turbine pumps, right angle gears, diesel drive engines, fuel system, and ventilation system.	1.1.1							
2/22 - 6/22 KINDER MORGAN LASER SCANNING AND SURVEYING: Project Engineer responsible for assisting v	71th laser							
WESTRANK WATER TREATMENT PLANT CENERATOR REPLACEMENT: Project Engineer resp	nsible for							
mechanical design of fuel system and engine cooling system. Responsibilities included sizing a day tank for in	ermediate							
7/20 - Current fuel storage and pump sizing for fuel transfer between main fuel storage and day tank. A pump controller with	nump							
start/stop as well as high/low level alarms was specified. Redundant systems were designed for reliability. Cool	ing lines							
were sized and routed to outdoor remote radiators.	-							

Firm employed by Infinity Engineering Consultants, LLC.								
Name Gregory	Lintinger, P.E.		Years of relevant experience with this employer	10				
Title Civil/Structural Engineering Manager			Years of relevant experience with other employer(s)	35				
Degree(s) / Years / Specialization			Bachelor of Science / 1985 / Electrical Engineering					
Active registration	n number / state / exp	iration date	No. 23878 / LA / 9/30/2024					
Year registered	1990	Discipline	Electrical Engineering					
Contract role(s) /	brief description of re	esponsibilities	Electrical Inspection - Mr. Lintinger holds over 45 years of exp	perience in				
			management, quality control, and supervision of electrical design.	. With Mr.				
			Lintinger's electrical engineering expertise, comes a vast knowledg	e of power				
			and control systems, SCADA technology, and electrical instrument	tation for a				
			wide range of utility infrastructure. As one of Infinity's Electric	cal Project				
			Engineers, Mr. Lintinger is responsible for electrical scope dev	zelopment,				
			schedule coordination, budgeting, estimating, and cost control.					
Experience dates	Experience and qu	alifications rele	evant to the proposed contract; <i>i.e.</i> , "designed drainage", "designed	d girders",				
(mm/yy–mm/yy)	"designed intersection	ion", etc. Expe	rience dates should cover the time specified in the applicable MPR(s	\$).				
	SOUTH GALVE	<b>SOUTH GALVEZ STREET LIGHTING:</b> Responsible for electrical design, specification development,						
	development of d	development of drawings, and related construction administration for the new street lighting on South						
06/14 01/16	Galvez Boulevard. The design included energy efficient, LED luminaires on 30' round tapered steel							
00/14 - 01/10	poles with single arms, concrete pole foundations with underground power distribution, and static							
	grounding for lightening protection.							
	CANAL STREET	CITY PARK	<b>AVENUE INTERSECTION IMPROVEMENTS:</b> Responsit	ole for the				
	voltage drop study for the additional DC power for the streetcars, design of the streetcar traffic control							
08/13 - 01/18	system, and lighting	system, and lighting and power distribution for the new terminal and streetcar line extension along Canal						
	Street.	Street.						
	CAUSEWAY BO	CAUSEWAY BOULEVARD STREET LIGHTING: Responsible for electrical design for new street						
	lighting on Cause	way Bouleva	rd between Jefferson Highway and the Airline Highway over	pass. The				
08/13 - 07/14	designs included e	energy efficier	it, high pressure sodium luminaires on 30' round tapered steel p	oles with				
00/15 0//14	single and double	e arms, concr	ete pole foundations with underground power distribution, a	and static				
	grounding for ligh	ntening protect	tion.					

10/13 – 09/14	<b>AIRLINE DRIVE STREET LIGHTING:</b> Electrical Engineering Manager responsible for electrical design, specification development, development of drawings, and related construction administration for the new street lighting on the eastbound lanes of Airline Highway between Howard and Waldo streets. The new lighting replaced aging (or non-functional) existing lighting with new energy efficient, high pressure sodium luminaries.
04/15 – 12/16	<b>SEWERAGE &amp; WATER BOARD (4) DRAINAGE PUMP STATIONS:</b> Electrical Engineering Manager responsible for the electrical designs for the assessment of electrical systems and construction cost estimates, preparing plans and specifications for returning the facilities and systems to their pre-Katrina condition. Designs also included components to mitigate future damage to the facilities and equipment in the event of another natural disaster.
07/14 - 02/18	<b>PORT OF NEW ORLEANS PATTERSON DRAINAGE PUMP STATION:</b> Electrical Engineering Manager responsible for the design-engineering to replace existing electrical power and SCADA systems. Project included provisions for interconnection of automatic transfer stand-by generator, site lighting, tele/comm modem SCADA, level control systems, and soft starters for pump motors, and grounding.

Firm employed by Infinity Engineering Consultants, LLC.								
Name Bart Laco	omb		Years of relevant experience with this employer	4				
Title Designer/	Structural Project Engineer		Years of relevant experience with other employer(s)	11				
Degree(s) / Years	/ Specialization	Bachel	lor of Science / 2015 / Civil Engineering					
Active registration	number / state / expiration date	N/A						
Year registered	N/A Discipline	N/A						
Contract role(s) / b	orief description of	Electr	ical Inspection - Mr. Lacomb brings fifteen years of elec	ctrical and				
responsibilities		instrur	nentation experience to the role of project engineer. Mr.	Lacomb's				
		previo	us experience includes a multitude of facilities for municip	alities and				
		industr	rial end-users. For the oil and gas industries, Mr. Lacomb ha	s designed				
		contro	l and safety systems, as well as provided model development fo	or arc flash				
		analys	is.					
Experience dates	Experience and qualifications 1	elevant	to the proposed contract; i.e., "designed drainage", "designed	d girders",				
(mm/yy–mm/yy)	"designed intersection", etc. Ex	perience	dates should cover the time specified in the applicable MPR(s	s).				
	CAUSEWAY BOULEVARD ST	REET L	IGHTING: Project Engineer responsible for electrical design and d	evelopment				
	of drawings for the new street light	ting, incl	uding lighting contactor pedestal foundation, and wiring on approx	imately 3/4				
08/13 - 07/14	mile of Causeway Boulevard between the Jefferson and Airline highway overpasses. The design involved reconfiguration							
	of the electrical service for JP design change from high pressure sodium to LED luminaires and distribution based on JP							
	decision to install a lighting contro	lier of the	en choice.	normin og for				
	a greenfield project connecting Ti	iger Bend	Jeet Eligneet responsible for electrical design and development of d	imately 1 4				
01/21 - Current	a greening project connecting riger bend koad and Annue Highway, crossing Jenerson Highway (approximately 1.4 miles) by a new four lane roadway. Developed drawings for the new street and area lighting according to the MOVERP							
	initiative guidelines set forth by the City of Baton Rouge.							
10/10 00/00	PLANTERS PUMP STATION:	Project	Engineer responsible for electrical design and development of d	rawings for				
12/18 - 02/22	replacement of pump engines, inter	rface with	n existing control systems, and refurbishment of pump gears.	U				
	SUBURBAN PUMP STATION ENGINE & GEAR REPLACEMENT: Project Engineer responsible for electrical design							
12/18 - Current	and development of drawings for 1	eplaceme	ent of pump engines, interface with existing control systems, and ref	furbishment				
	of pump gears.							
	DILLARD UNIVERSITY CAMPUS IMPROVEMENTS: Project Engineer responsible for electrical design and							
07/18 - 11/20	development of drawings for a car	npus imp	provements project involving new guard shacks at entrances include	ing security				
	access, widening of roadways and new lighting for frontal landscape. The design included site and landscape lighting, a new							
	HARROR OF REFLICE DESI	CN &	TONSTRUCTION: Project Engineer responsible for electrical	decion and				
	development of drawings for new	orounds d	levelopment involving a new building for an office and restrooms y	with sewage				
07/19 - Current	treatment, pavilions and picnic a	reas for	purpose of fisherman's market and entertainment, and camp site	es with RV				
	connections. The electrical design	included	the main electrical service, site and boat slip lighting, and distributio	n involving				
	stepdown transformers for servicin	g the mai	n building, campsites and pavilions.	0				

## SECTION 17

### **17. Firm Experience:**

Firm name	Design Engineering, Inc.			Ι	Past Performance Evaluation Discipline(s)* CE			&I/OV
Project name	MacArthur Driv	e Interchange	Complet	ion- Phas	ses 1A & 1B	Firm responsibility (prime or sub?)		
Project number	SP No. H.0025	50	Owner'	s name Jefferson Parish				
Project location Jefferson Parish Owner's Project Manager Mark Drewes						Mark Drewes		
Owner's address, phone, email 1221 Elmwood Park Blvd., Jefferson, LA 70123, (504) 736-6505, mdrewes@jeffr						drewes@jeffpari	<u>sh.net</u>	
Services commenced by this firm (mm/yy)			06/03	Total co	Total consultant contract cost (\$1,000's)			\$38,400
Services completed by this firm (mm/yy)			06/16	Cost of	Cost of consultant services provided by this firm (\$1,000's)			\$2,400

Phase 1A included the demolition of a portion of the existing service road and the relocation of the service road to accommodate the new bridges constructed under Phase 1B of this project. The bridges were constructed using Type II girders and trapezoidal box girders supported on single pier bents with pile footings to match the aesthetics of the existing Westbank Expressway Bridges. The work included the relocation of existing utilities, including water mains and appurtenances, gas lines, as well as overhead and below-ground power lines; the construction of storm drain pipes and manholes; the extension of the existing reinforced concrete box culvert; and the construction of the new relocated service road, including the installation of a compacted sand sub-base course, crushed limestone base course, Superpave asphaltic concrete binder and wearing courses, as well as concrete curb and gutters, concrete driveways and concrete sidewalks.

## DEI is highly experienced in constructing transportation improvements for the most trafficked corridors in Louisiana.

DEI provided the following services:

- ✓ At Grade Roadway design
- ✓ Column clearance designs
- ✓ Utility relocations
- ✓ Attention to the coordination of very large columns within the roadway right-of-way.
- ✓ Drainage design
- ✓ Right-of-way plans
- Temporary retaining structure for pile-supported columns.

This project is immediately adjacent to and above the Harvey Tunnel. DEI as a company has experience working in this busy critical corridor and our inspectors are the most experienced inspectors working on and in the Harvey Tunnel.

- ✓ Coordination of modifications to Phase 1A roadway during construction of Phase 1B bridge
- Management of roadway & bridge design team during construction.
- Major public presentations and meetings with affected stakeholders.

Personnel involved & will be utilized in this submittal: Jim Martin John Holtgreve Brett Liuzza





Firm name	Design Engineering, Inc.				Past Performance Evaluation Discipline(s)* C			&I/OV	
Project name	Southbound Causeway Safety Rails Improven				nts		Firm responsible	ility (prime or su	ıb?) Prime
Project number	mber GNOEC P.N. 433 Owner's name Greater New Orleans Expressway Commission					mmission			
Project location Jefferson, LA Owner's Project Manager Carlt					Carlton Dufree	hou			
Owner's address, phone, email 3939 N. Causeway Blvd, Suite 400, Metairie, LA 70001, (504) 835-3118, cdufrechou@g						a@gnoec.org			
Services commenced by this firm (mm/yy) 12			12/18 T	Total co	al consultant contract cost (\$1,000's)				\$5,500
Services completed by this firm (mm/vy) Cont.				Cost of	of consultant services provided by this firm (\$1,000's)			\$5,500	

Design Engineering, Inc. (DEI) was contracted by the Greater New Orleans Expressway Commission (GNOEC) to provide construction contract administration and CE&I services for this project. The project involves raising the height of the rail by installing a supplemental tubular rail on top of the existing concrete rail. Raising the bridge rail height will reduce the potential of vehicles going over the rail and thus improve the safety of the traveling public. The work was generally performed during non-daylight periods on weekdays and up to 24 hours per day on weekends.

DEI's responsibilities include:

- Coordinating with GNOEC personnel to schedule, attend and conduct meetings over the course of the project.
- Maintaining all construction field records; make daily entries in the project diary to indicate DEI's personnel and Contractor's personnel present on the job site, the Contractor's personnel and equipment being utilized on the project, the work being accepted, the acceptability of traffic control, and the charging of contract time.
- Coordinating with the GNOEC's Engineer/Representative for relocations/adjustments of utility facilities for the construction of work site.
- Providing all necessary personnel and equipment to perform the required field testing for quality assurance in accordance with the latest DOTD Sampling and Testing Manual.
- Submitting all sampled materials to be tested by a qualified Testing Laboratory, in accordance with the stipulated Sampling Manual.
- Inspecting the contractor's construction operations (daily) to ensure that work is performed in general compliance with the specified plans and specifications.
- Keeping clear and concise records of the contractual operations, preparing monthly pay estimates, and making monthly progress
  reports in conformance with GNOEC requirements.
- Preparing final estimate packages, including Form 2059 "Summary of Test Results" in conformance with DOTD requirements.
- Monitoring and documenting all construction claims and providing recommendations to the GNOEC on the disposition of claims.
- Managing the RFI (Request for Information) process.
- Coordinating and/or performing the inspection of the fabrication of pre-cast materials.
- Scheduling and conducting the Final Inspection for the Project (or a portion of the Project) and make the recommendation to the GNOEC for Final Acceptance (or Partial Acceptance).





this submittal:	
Jim Martin	Collin Gillen
John Holtgreve	John Karlin
Ben Bartlett	Jeff Monfrey
Jay Rafferty	Wayne Lemoine

Firm name	Design Engineer	Design Engineering, Inc.			Past Performance Evalu	(s)* CE	CE&I/OV	
Project name	Causeway Boule	ward Overp	ass of Airli	ne Drive	e	Firm responsibility (prime or sub?) Prime		
Project number	Imber JPPW No. 2013-011-RB Owner's name			name	Jefferson Parish			
Project location Jefferson Parish				Owner's Pro	ject Manager	Mark Drewes		
Owner's address, phone, email 1221 Elmwood Park Blvd.			Blvd., Je	efferson, LA 70123, (50	4) 736-6505, <u>m</u>	lrewes@jeffpari	sh.net	
Services commenced by this firm (mm/yy) 02/14 Tota			Total c	Total consultant contract cost (\$1,000's)			\$4,212	
Services completed by this firm (mm/yy) Ongoing Cost			Cost of	t of consultant services provided by this firm (\$1,000's)			\$4,002	

The multi-level rotary interchange (and associated bridges) at Causeway Blvd and Airline Highway was constructed in 1957. Since the structure was completed, little maintenance has been performed. This project consists of eight (8) ramps, a traffic circle, and an overpass of Airline Hwy.

DEI's responsibilities include:

- Coordinating with Jefferson Parish personnel to schedule, attend and conduct meetings over the course of the project.
- Maintaining all construction field records; make daily entries in the project diary to indicate DEI's personnel and Contractor's
  personnel present on the job site, the Contractor's personnel and equipment being utilized on the project, the work being
  performed/accepted, the acceptability of traffic control, and the charging of contract time.
- Coordinating with Jefferson Parish's Engineer/Representative for utility relocations/adjustments at and around the construction site.
- Providing all necessary personnel and equipment to perform the required field testing for quality assurance in accordance with the latest DOTD Sampling and Testing Manual.
- Submitting all sampled materials to be tested by a qualified Testing Laboratory, in accordance with the stipulated Sampling Manual.
- Inspecting the contractor's construction operations (daily) to ensure that all work is performed in general compliance with the plans and specifications.
- Keeping clear and concise records of the contractual operations, preparing monthly pay estimates, and making monthly
  progress reports in conformance with Jefferson Parish requirements.
- Monitoring and documenting all construction claims and providing recommendations to Jefferson Parish on the disposition of claims.
- Managing the RFI (Request for Information) process.
- Coordinating and/or performing the inspection of the fabrication of pre-cast materials.
- · Coordinating and reviewing emergency repairs to a portion of the bridge adjacent to the project site.
- Scheduling and conducting the Final Inspection for the Project (or a portion of the Project) and making the recommendation to Jefferson Parish for Final Acceptance (or Partial Acceptance).

This project is integral to several of the Parish's most trafficked corridors (including Causeway Blvd, Airline Drive, and Jefferson Highway). It will soon also connect to Earhart Expressway. As such, this facility is a critical component of the Jefferson Parish roadway network.





Personnel Involved & to be Used:						
Jim Martin	Collin Gillen					
John Holtgreve	John Karlin					
Ben Bartlett	Brett Liuzza					
Jeff Monfrey	Wayne Lemoine					

Firm name	D	Design Engineering, Inc.			]	Past Performance Evaluation Discipline(s)*			CE&	&I/OV	
Project name	W	Westwood Drive (WB Expy. to Lapalco Blvd			o Blvd.)			Firm responsibility (prime or sub?) Prin			b?) Prime
Project number	]	H.011795		Owner's n	ame	Jeffersor	n Parish				
Project location Jefferson Parish					Owner's Pro	ject Manager	Mark	Drewes			
Owner's address, phone, email 1221 Elmwood Park Blvd.,			Blvd., Je	efferson, L	A 70123, (50	94) 736-6505, <u>m</u>	lrewes	@jeffparis	sh.net		
Services comm	enc	ed by this firm	(mm/yy)	04/19	Total c	onsultant	contract cost	(\$1,000's)			\$602
Services compl	ete	d by this firm	(mm/yy)	06/21	Cost of	f consultan	t services pro	ovided by this fir	m (\$1,	,000's)	\$602

Design Engineering, Inc. (DEI) was responsible for providing the construction contract administration and construction engineering inspection services for the construction of 0.648 miles of roadway which included 20,516 SY of Portland Cement Concrete Pavement with barrier curb, mountable curb and gutter, including Class II base course, drainage pipes and structures, sanitary sewer and related work, and tie-in to the existing Westbank Expressway on the north end and Lapalco Blvd. on the south end. Pavement striping, signs, and legends and symbols were also included. Construction Management performed by the office and site personnel included:

- Scheduling and attending the preconstruction meeting
- Maintaining all construction field records; making daily entries in the project diary to indicate the contractor's personnel and equipment being utilized on the project, the work being accepted, and the acceptability of traffic control; and the charging of contract time. These activities were managed through LaDOTD's SiteManager Program.
- Coordinating with Jefferson Parish Engineer/Representative for all relocations/adjustments of utility facilities and existing drainage structures for the construction of work site.
- Inspecting the Contractor's construction operations daily to ensure that all work is performed in accordance with the specified plans and specifications.
- Preparing final estimate packages, including Form 2059 "Summary of Test Results" in conformance with the DOTD's requirements.
- Preparing plan changes and change orders.
- Reviewing and processing Contractor's invoices and generating partial estimates and weather and workday reports in **SiteManager**.
- Working on the 175-project closeout and submitting all documents required by LaDOTD Baton Rouge, Construction Audit.

This project is relevant to the Harvey Tunnel project in that it is a West Bank thoroughfare that was constructed using the DOTD CE&I protocol. The DEI personnel that worked on this successful project will also work on the Harvey Tunnel project. They have worked on the Harvey Tunnel for decades as DOTD inspectors prior to working for DEI.



<u>Personnel involved &amp; will</u>
be utilized in this submittal:
Jim Martin John Holtgreve Jeff Monfrey

Firm name	<b>Design Engineer</b>	sign Engineering, Inc.			Past Performance Evaluation Discipline(s)*		s)* CE	CE&I/OV	
Project name	Ames Boulevard (WB Expressway- Happy S				et)	Firm responsibil	ity (prime or su	ıb?) Prime	
Project number	t number H.011797 Owner's name			ame	Jefferson Parish				
Project location Jefferson Parish					Owner's Pro	ject Manager	Mark Drewes		
Owner's address, phone, email 1221 Elmwood Park Blvd.			lvd., Je	efferson, LA 70123, (50	04) 736-6505, <u>mdr</u>	rewes@jeffpari	<u>sh.net</u>		
Services comm	enced by this firm	(mm/yy)	02/21	Total c	onsultant contract cost	(\$1,000's)		\$512	
Services compl	eted by this firm	(mm/yy)	12/21	Cost of	consultant services pro	ovided by this firm	n (\$1,000's)	\$838	

Design Engineering, Inc. (DEI) was responsible for providing the construction contract administration and construction engineering inspection services for the construction of 0.39 miles of roadway which included asphalt paving inspection, estimate generation, material sampling, submittal review, and project closeout. Construction Management performed by the office and site personnel included:

- Scheduling and attending the preconstruction meeting
- Maintaining all construction field records; making daily entries in the project diary to indicate the contractor's personnel and equipment being utilized on the project, the work being accepted, and the acceptability of traffic control; and the charging of contract time. **These activities were managed through LaDOTD's SiteManager Program.**



- Coordinating with Jefferson Parish Engineer/Representative for all relocations/adjustments of utility facilities and existing drainage structures for the construction of work site.
   Inspecting the Contractor's construction operations daily to ensure that all work is perfected.
  - Inspecting the Contractor's construction operations daily to ensure that all work is performed in accordance with the specified plans and specifications.
  - Preparing final estimate packages, including Form 2059 "Summary of Test Results" in conformance with the DOTD's requirements.
  - Reviewing and processing Contractor's invoices and generating partial estimates and weather and workday reports in SiteManager.
  - Working on the 175-project closeout and submitting all documents required by LaDOTD Baton Rouge, Construction Audit

Ames Boulevard is also relevant to the Harvey Tunnel project because it is a West Bank thoroughfare that was constructed using the DOTD CE&I protocol. The DEI personnel that worked on this successful project will also work on the Harvey Tunnel project. They have worked on the Harvey Tunnel for decades as DOTD inspectors as well.

Personnel involved & will be utilized in this submittal:

Jim Martin Brett Liuzza Jeff Monfrey Jeff Puissegur

Firm name	Infinity Engineering Consultants, LLC.			C.	Past Performance Evaluation Category(ies)* Road; CE&I/OV			
Project name	Canal Street/City	Canal Street/City Park Avenue Transportation			Hub Enhancements	Firm responsib	oility (prime or su	ıb?) Prime
Project number	er IEC 13-008 Owner's name			ame	Regional Transit A	uthority		
Project location New Orleans, LA				Owner's I	Project Manager	Stephen Mitche	ell	
Owner's address	ss, phone, email	2817 Can	al Street, Ne	w Orle	ans, LA 70119; 504-8	327-8310;		
Services commenced by this firm (mm/yy) 8/2013			Total	Total consultant contract cost (\$1,000's)			\$9,000	
Services completed by this firm (mm/yy) 1/2018 Cos				Cost	Cost of consultant services provided by this firm (\$1,000's)			\$912

As the prime consultant for the final phase of the Canal Streetcar Line refurbishment, Infinity was tasked with designing a transportation hub that seamlessly and safely integrated the streetcar line, bus lanes, vehicular traffic, cycling lanes, and pedestrian walkways. The project extended the streetcar tracks to Canal Boulevard with a terminus in the first turnaround bay on the street.

Deemed the "worst" intersection in the city by the RTA and Department of Public Works, Infinity redesigned the terminal to improve vehicular and streetcar safety. The new alignment improved traffic flow by adding proper signalization along City Park Avenue and Canal Boulevard; serving over 50,000 cars, buses, trucks, streetcars, and pedestrians every day.

Infinity's multi-discipline team collaborated on all components of the civil, mechanical, and electrical engineering needed for this project. Consequently, Infinity was able to provide in-house design for the roadway replacement, track power and support poles (catenary system), underground utility relocation design, terminal <u>mechanical and lighting protection systems</u>, and streetcar track foundations. Additionally, Infinity provided construction administration and resident inspection services through commissioning of the project.





Firm name	Infinity Engineering	Consultants, LL	LC. Past Performance Evaluation Category(ies)* Road; CE&I/OV
Project name	South Galvez Street I	ighting Improvem	ments Firm responsibility (prime or sub?) Sub
Project number	IEC-14-012	Owner's name	e City of New Orleans DPW
Project location	New Orleans, LA		Owner's Project Manager Josh Hartley
Owner's address	ss, phone, email 130	0 Perdido St., Suit	uite 6W03, New Orleans, LA 70112; 504-658-8042; jwhartley@nola.gov
Services comm	enced by this firm	6/2014	Total consultant contract cost (\$1,000's)\$4,800
(mm/yy)			
Services completed by this firm 01/2016			Cost of consultant services provided by this firm (\$1,000's) \$122
(mm/yy)			

Infinity provided the electrical design for street lighting upgrades to South Galvez Street between Canal Street and Tulane Ave. Infinity performed a lighting study to determine the required spacing and dimension of the proposed poles.

The prepared construction plans included designs for new power distribution and lighting controller systems, as well as specifications for the street lighting installation. The street lighting specifications addressed the following components: lighting layout and design, luminaire selection and specification, and pole foundation design.

Additionally, Infinity provided construction administrative services for the installation of streetscape components and infrastructure improvements along South Galvez Street. This included overseeing the addition of landscaping, decorative streetlights, and pedestrian lights. New waterlines and improved drainage were also installed under Infinity's guidance.





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Prime consultant name: Design Engineering, Inc.

Firm name	Eustis Engineering L.L.C.			F	ast Performance Eva	luation Discipline(s	s)* Geotech &	& CE&I/OV
Project name	City of New Orleans - Canal Street Repair, River			verfront Expressway	Firm responsibil	lity (prime or su	b?) Prime	
	Tunnel Beneath	Harrah's Casi	no					
Project number	DPW 2012 TES 10 Owner's name				City of New Orlean	s Department of Pu	ıblic Works	
Project location New Orleans, Louisiana					Owner's P	roject Manager	Mark D. Jernig	an, P.E.
Owner's address	ss, phone, email	1300 Perdi	do Stree	et, Roo	m 6W03, New C	rleans, Louisiana	70112, 1-50	4-522-9663,
	mdjernigan@nola.gov							
Services commenced by this firm (mm/yy) 05/16 To			Total consultant contract cost (\$1,000's)			Unknown		
Services compl	eted by this firm (	(mm/yy)	06/16	Cost of	consultant services p	rovided by this firn	n (\$1,000's)	\$23

Eustis Engineering was engaged to evaluate the collapse on Canal Street on 2 May 2016. Subsequently, the roadway was closed to traffic in order to make repairs to the **underground tunnel** end wall, roadway subgrade, roadway surface, and to nearby stormwater utilities. The construction contractor was retained by the City of New Orleans to permanently close the failed end walls of the abandoned underground tunnel, backfill the roadway collapse, and install new precast concrete utility structures at the Canal Street side of the project. Plans for the concrete structures were developed and furnished to us via email. The plans called for a conflict box and manhole. The conflict box was  $18.7' \times 11.7'$  and the manhole was  $5.8' \times 6.3'$ . Both structures were shown with a base at approximately el 0 (NAVD 88) which was approximately 10 feet below existing grade. The conflict box weighed 120,000 pounds and would support up to 228,000 pounds of surcharge load. A 30-in. diameter PVC pipe was shown connecting the two structures.

Eustis Engineering used previous geotechnical explorations performed in the immediate vicinity of the roadway collapse to provide recommendations regarding site preparation, lateral earth pressure coefficients, net applied soil pressure, uplift pressure, allowable soil bearing values, estimates of settlement, recommendations of backfill and backfill placement, roadway pavement, and general construction considerations.

In addition to the geotechnical services, Eustis Engineering provided more than 425 hours of construction materials testing and inspection services comprising:

- site inspection;
- soil mechanics laboratory tests including organic content; Atterberg limits; mechanical analysis of soil; standard and LaDOTD Proctors; and relative density on sand, crushed concrete, and limestone for use as backfill and pipe bedding material;
- in-place density tests on limestone used as bedding and backfill for the conflict box;
- compressive strength tests on grout cubes molded during inspection;
- visual and physical inspection of more than 800 cubic yards of concrete used for slabs, roadways, sidewalks, and retaining walls;
- compressive strength tests on concrete cylinders made during the above inspection; and
- asphalt inspection.

Firm name	Eustis Engineering L.L.C.			F	Past Performance Evaluation Discipline(s)* CE&			CE&I/OV			
Project name	Girder Span Bridge Repairs, Earhart Expressway and Clea					arview	Firm responsi	bility (	prime or sul	o?) Sub	
_	Parkway Intercha	ange			-				-		
Project number	H.011158.6		Owner's	name	LaDOT	D through Bo	h Bros. Constru	action (	Co., L.L.C.		
Project location Metairie, Louisiana						Owner's Project Manager LaDOTD throug			OTD through	n Boh Bros	s.
-								Const	truction Co.	, L.L.C.	
Owner's address, phone, email 730 Tonti Street, New Orleans, Lo					s, Louisia	na 70119 1-22	25-756-3850, <u>g</u>	abboud	l@bohbros.	com	
Services commenced by this firm (mm/yy) 08/18 Tot				Total consultant contract cost (\$1,000's)				Unknown	n		
Services completed by this firm (mm/yy) 11/18 Cost of consultant services provided by t					ovided by this fi	irm (\$1	,000's)	\$3			

Our scope of work for this project included concrete and grout testing for the girder span bridge repairs located at the Earhart Expressway and Clearview Parkway Interchange in Metairie, Louisiana.

Eustis Engineering provided ACI certified technicians to perform quality control inspections and testing of both concrete and grout, as well as a special inspector for high strength grout. These services included:

- recording each mix design used while at the project site;
- recording the amount of water or additives added to the mixes;
- performing slump or flow cone tests for each batch of concrete or grout;
- determining the air content for each sample tested;
- sampling the concrete and grout at intervals stated in the plans and specifications; and
- performing compression testing on specimens collected during our testing services at intervals of 7 and 28 days.

Considering the small scope and close proximity to our office, we logged under 50 hours to complete these services. Travis R. Richards, P.E. was Project Manager for this work.

# SECTION 18

## 18. Approach and Methodology:

Each day, nearly 25,000 vehicles enter the Harvey Tunnel on the Westbank of Jefferson Parish to cross the Harvey Canal. It is critical that the US90Z: Harvey Canal Tunnel Rehabilitation project be completed safely, correctly, and on time to minimize impacts to the traveling public and

the additional future repairs. Design Engineering, Inc. has extensive Construction Engineering and Inspection (CE&I) experience with DOTD, including the MacArthur Drive Interchange (adjacent to and above the Tunnel).

DEI has provided CE&I services for the rehabilitation of large, historic structures, including but not limited to:

- Southbound Causeway Bridge (24 miles long and originally constructed in the 1950s)
- Airline Drive/Causeway Boulevard Interchange, (originally constructed in the 1950s consisting of eight ramps, a fourlane overpass, and an elevated traffic circle)
- Lake Pontchartrain Seawall (originally constructed in the 1930s over 5 miles long)
- Additional historic structures, such as the Motorworks Building, Ironworks Building, 419 Carondelet, 512 Conti, and 306-310 S. Rampart Street.

Experienced, vigilant inspectors are critical to a project. Failure to identify potential issues or nonconforming work can result in increased costs and delays. Proper documentation of construction activities is essential to keeping DOTD informed of the project's progress and minimizing claims. DEI's lead inspectors, Wayne "Dickie" Lemoine and Jeff Monfrey, have over 80 years of combined experience, including 45 years with DOTD District 02. They inspected civil, structural, mechanical, and electrical components of tunnels, movable bridges, and other complex structures throughout southeastern Louisiana, including inspecting the only three tunnels in the state of Louisiana (Harvey Tunnel, Belle Chasse Tunnel, and Houma Tunnel) multiple times.

DEI's construction manager, Jay Rafferty, has over 30 years of experience, including overseeing materials sampling and testing for a testing laboratory. Other members of DEI's team include DOTD-certified inspectors, licensed professional civil, structural, mechanical, and electrical engineers. DEI's team meets and exceeds all qualification and certification requirements for this project.

DEI has deployed smartphones, tablets, and aerial drones in the field for years to instantaneously upload photos and other project documentation for the office staff and Owner's immediate use. Leveraging technology, as well as DEI's experience using DOTD software, will allow us to maximize the benefits and effectiveness of HeadLight and SiteManager.

### Why Select Our Team?

- DEI understands the CE&I scope of work and the contractor's scope of work. <u>We have downloaded and examined the construction plans and have</u> <u>familiarized ourselves with the work required by the contractor as well as by the CE&I team; we have already performed site visits to the <u>tunnel</u>. We know how we will staff it and how we will improve the odds of success by the contractor for the owner.</u>
- Our field staff has an unmatched combination of expertise and experience inspecting complex structures, including tunnels, movable bridges, and the Harvey Tunnel itself. Our entire staff has significant construction engineering experience for large historic transportation rehabilitation projects.



• We are local and have specific knowledge of the soil and weather conditions national firms lack. DEI's lead inspectors and construction manager (Mr. Lemoine, Mr. Monfrey, and Mr. Rafferty) frequently travel through the Harvey Tunnel as residents of the Westbank and therefore are very familiar with the area and understand the importance of this project.

DEI will use the following approach and methodology to complete the project safely, correctly, on time, and in accordance with the DOTD Construction Contract Administration Manual and all other relevant manuals, standards, and procedures.



#### Preconstruction Phase

- 1. QA/QC Plan: Immediately submit DEI's Quality Assurance/Quality Control (QA/QC) plan to DOTD.
- 2. DOTD Software Access: Set up access to HeadLight, SiteManager, and other required DOTD software for all engineers and inspectors
- 3. Document Review: Review the Construction Contract, Plans, Specifications, and all other applicable specifications, testing procedures, and EDSMs.
- 4. Project Set-Up Meeting: Meet with DOTD's Project Engineer, DOTD District Lab Engineer, and other pertinent personnel to review roles and responsibilities, contract documents, and construction phase tasks.
- 5. Sampling Plan: Assist DOTD District Lab Engineer with the preparation of a Sampling Plan if requested and/or review the Sampling Plan.
- 6. Preconstruction Conference: Coordinate with pertinent project stakeholders to conduct a preconstruction conference in accordance with DOTD EDSM III.1.1.7, including the Contractor, subcontractors (mechanical, electrical, etc.), DOTD's Project Engineer, DOTD District 02 personnel, DOTD District Lab Engineer, DOTD Compliance Office personnel, FHWA personnel, local government officials, the Engineer of Record, utilities, and other local parties as appropriate. Prepare agenda and meeting minutes and distribute meeting minutes to all attendees.

#### Construction Phase

- 1. Inspection: Continuously inspect construction operations to ensure that work is completed using approved materials in accordance with the Plans, Specifications, and change orders/field changes (if applicable). Inspect temporary traffic control signs and devices for conformance with the approved Traffic Control Plan (TCP), DOTD Standard Plans, and MUTCD. All inspection observations, including photos and notes, will be recorded using HeadLight in accordance with DOTD procedures. Work items to be inspected include, but are not limited to: <u>ventilation system removal and replacement, generator removal and replacement, electrical upgrades, spall repairs, crack epoxy injections, roadway base removal and replacement, roadway removal and replacement, asphalt mill and overlay, safety railing removal and replacement, the inspectors and be available at all times, including visiting the site within 15 minutes if needed (24 hours on call).</u>
- 2. Daily Work Records (DWRs): Prepare detailed DWRs, including on non-working days, describing the Contractor's personnel, equipment, material tickets, completed tasks/quantities, condition of temporary traffic control signs and devices, charging of Contract Time, safety violations, and nonconforming work as well as weather conditions and significant out of the ordinary events. The Contractor will be immediately notified of any safety violations, work will be shut down immediately to avoid further danger or

damage to the Harvey Tunnel. All DWRs will prepared using HeadLight and uploaded onto SiteManager. While the information on daily reports will be extremely informative, extensive photographs will also be taken to better illustrate the progress of construction activities.

- 3. Materials Sampling and Testing: Obtain material samples in accordance with the DOTD Materials Sampling Manual and Sampling Plan. Log all samples, material tickets, and reports into HeadLight and SiteManager as applicable and submit samples to the DOTD District Lab for testing. If requested by DOTD, test samples in accordance with applicable DOTD testing procedures and as required by the Specifications.
- 4. Clarifications of Plans and Specifications: Verify that the Contractor has a current set of Plans and Specifications with all relevant addenda, RFIs, submittals, and other supplemental guidance that affects the construction requirements. Assist the Contractor with the interpretation of the Plans and Specifications and notify the Contractor immediately of nonconforming work.
- 5. Permit Compliance: Maintain copies of all permits on the project site and review the Contractor's operations for conformance with such permits.
- 6. Utility Relocation: Coordinate the relocation of utilities that conflict with the work with the Contractor, utility provider, DOTD personnel, local government officials, and other pertinent personnel as applicable.
- 7. Surveying: Verify Contractor's construction layout, including lines and grades, using survey crews.
- 8. Coordination: Continuously coordinate with project stakeholders, including the Contractor, DOTD's Project Engineer, DOTD District 02 personnel, DOTD District Lab Engineer, FHWA personnel, local government officials, the Engineer of Record, utilities, and other local parties as appropriate. Meet with DOTD personnel when requested at DOTD offices or on the project site. Coordinate with Contractor's Public Information Manager to distribute lane closure notifications to local media outlets upon approval by DOTD's Public Information Office.
- 9. Weekly Progress Reports: Prepare weekly progress reports for DOTD's Area Engineer describing the construction progress to date, Contract Time elapsed, and the number and value of approved change orders.
- 7. Weekly Progress Meetings: Coordinate with pertinent project stakeholders to conduct weekly progress meetings, including the Contractor, subcontractors (mechanical, electrical, etc.), DOTD's Project Engineer, DOTD District 02 personnel, DOTD District Lab Engineer, FHWA personnel, local government officials, the Engineer of Record, utilities, and other local parties as appropriate. Prepare agenda and meeting minutes and distribute meeting minutes to all attendees within five (5) days of the applicable progress meeting.
- 8. Requests for Information (RFIs): Review RFIs in consultation with DOTD and forward RFIs to other parties for input if necessary. Monitor the status of outstanding RFIs daily and coordinate with the relevant parties to ensure that adequate information is available for RFIs to be resolved in a timely manner. Final RFI responses will be distributed to all parties.
- 9. Submittals: Review submittals in consultation with DOTD when required by the Specifications (e.g., formwork shop drawings) and forward other shop drawings and submittals to other parties for input if necessary. Monitor the status of outstanding submittals and coordinate with the relevant parties to ensure that adequate information is available for submittals to be reviewed and returned in a timely manner
- 10. RFI, Submittal, and Change Order Logs: Maintain logs of all RFIs, submittals, and change orders with information such as the date submitted, number, description, status, and date resolved (if applicable).
- 11. Email Correspondence: Coordinate with other parties to prepare email distribution lists for different aspects of the work. DEI will be included on all email distribution lists to allow for all email correspondence to be properly logged into the official project record for future access by DOTD.





- 12. Testing Reports: Review all testing reports and evaluate the conformance of materials to the Plans and Specifications. Testing reports, as well as notices of nonconformance if necessary, will be distributed to all relevant parties.
- 13. Notices of Nonconformance: Identify items not in conformance with the Plans and notify DOTD. Prepare and distribute notices of nonconformance and monitor remediation efforts to ensure that nonconforming work is repaired or replaced to the satisfaction of DOTD. If remediation efforts are not satisfactory, prepare and distribute additional notices of nonconformances to address nonconforming remediation work.
- 14. Baseline and Progress Schedules: Review the Contractor's baseline schedule for conformance to the Specifications and feasibility. Review the Contractor's progress schedules to determine if they accurately reflect the work progress and identify potential delays to construction due to the sequence of the work or inadequate progress on critical path items. If requested by DOTD, develop a CPM project schedule based on the Contractor's baseline schedule and update it throughout the project based on the inspectors' observations of the work progress. This will allow discrepancies or inaccuracies in the Contractor's progress schedules to be identified and corrected as quickly as possible while also providing DOTD with nearly instantaneous updates in between the Contractor's progress schedule submittals.
- 15. Monthly Pay Estimates: Verify all completed quantities, including the dates of completion. Review monthly pay estimates for conformance with the Specifications and consistency with the actual work correctly completed. DEI's Project Engineer and inspectors will review completed quantities and their applicable specification provisions as part of continuous coordination between the office and field to ensure proper payment for completed work.
- 16. Field Changes: Coordinate field changes with DOTD, the Engineer of Record, and the Contractor. Maintain detailed records documenting all changes or variations from the Plans and Specifications and redline Plans to document such changes/variations.
- 17. Change Orders: If necessary, review change order requests from the Contractor to determine if they contain adequate supporting documentation and justification of additional labor, equipment, materials, overhead, and profit costs and additional contract time. Provide recommendations to DOTD regarding the reasonableness of change order requests and whether the requests comply with the requirements of the Specifications. Prepare description of change orders, upload change orders with backup documentation to SiteManager, and forward requests to DOTD for approval.



18. Claims: Review claims from the Contractor and provide recommendations to DOTD regarding the disposition of claims.

#### Post-Construction Phase

- 1. Final Inspection: Upon notification from Contractor of project completion, perform final inspection with Contractor and DOTD personnel.
- 2. Punchlist: Prepare detailed punchlist indicating deficient and/or incomplete work that must be corrected and/or completed prior to final acceptance.
- 3. Final Acceptance: Upon correct completion of punchlist work, issue final acceptance in consultation with DOTD and in accordance with EDSM III.5.1.5.
- 4. As-Built Plans: Prepare as-built plans in red on plan sheets, noting modifications from the original plans incorporated via change order or field change.
- 5. Final Estimate Package: Within 60 days of final acceptance, prepare the final estimate package, including Audit of Testing and Materials (ATM) (formerly Form 2059 "Summary of Test Results"), and submit to the DOTD Construction Audit Section. Address any failed tests by indicating reasons that affected materials are acceptable (e.g., additional testing performed, change order issued, etc.)

DOTD will not experience nor pay for a learning curve on this project. DEI's inspectors have inspected work in the Harvey Tunnel many times.

## **SECTIONS** 19-23

## 19. Workload:

Firm(s)	Past Performance Evaluation Discipline(s) *	State project number	Project name	Remaining Unpaid Balance**
	CE&I/OV	H.007273	Magazine St. (Leake Avenue to East Drive) Orleans Parish	\$26,559.50
	CE&I/OV	H.002956.5	Earhart Expressway at Dakin Street, Route LA 3139 Jefferson Parish	\$89,809.50
	Geotech	H.003074.5 H.009087.5	Route I-10 Williams Boulevard to Veterans Boulevard and Loyola Drive to Williams Boulevard Jefferson Parish, Louisiana Eustis Engineering Project No. 21687.05	\$13,117
	Geotech	H.004420.5	Bayou Barataria Bridge Jefferson Parish, Louisiana Eustis Engineering Project No. 24515	\$504,019
	Geotech	H.008145	Geotechnical Engineering Analyses for Phase 2 T-wall LA Highway 1 Leeville to Golden Meadow, Louisiana Eustis Engineering Project No. 24601	\$18,970
	Geotech	H.013897	I-10 and I-12 College Drive Flyover Ramp Design-Build Project East Baton Rouge Parish, Louisiana Eustis Engineering Project No. B0646	\$38,000

Page 54 of 75 Prime consultant name: Design Engineering, Inc.

*	Geotech	H.007273	New Magazine Street Improvements Between Leake Avenue to Avenue East Drive	
	New Orleans, Lou Eustis Engineering Proje		New Orleans, Louisiana Eustis Engineering Project No. 24689	\$93,866
	Geotech	H.002151	WEAP Analyses Bayou Parc Perdu and Creek Bridges LA Highway 339 and LA Highway 339 South Lafayette Parish, Louisiana Eustis Engineering Project No. B0704	\$3,300
Infinity Engineering Consuitents	Bridge	H.014267.5	Off-System Highway Bridge Program Savanne Road Over Hanson Canal	\$45,096
Infinity Engineering Consuitants	Bridge	H.014265.5	Off-System Highway Bridge Program North River Road Over Irving Branch	\$45,096

#### 20. Certifications/Licenses:

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

### WAYNE LEMOINE CERTIFICATIONS :



Prime consultant name: Design Engineering, Inc.

#### WAYNE LEMOINE CERTIFICATIONS (CONTINUED) :



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Prime consultant name: Design Engineering, Inc.

#### **JEFFERY MONFREY CERTIFICATIONS:**





Page **58** of **75** Prime consultant name: **Design Engineering, Inc.** 

#### **JEFFERY MONFREY CERTIFICATIONS (CONTINUED):**

![](_page_67_Picture_1.jpeg)

![](_page_67_Picture_2.jpeg)

Page **59** of **75** Prime consultant name: **Design Engineering, Inc.** 

#### JAY RAFFERTY'S CERTIFICATIONS:

![](_page_68_Picture_1.jpeg)

![](_page_68_Picture_2.jpeg)

#### AMERICAN CONCRETE INSTITUTE

This is to cortify that

#### JAY T RAFFERTY

has demonstrated howheap and ability by successfully completing the ACI Contification requirements and is hereby recognized as an

#### ACI Concrete Construction Special Inspector

11/94/2017 Expires: 08/2/6/2021

Pates 11/0-6/2017 Explores 11.8.4/2622

Examiner of Record: Mark & Cherk

Examiner of Record: Mauk A Check

ft 14 mill

ACT Monthing Distory

The Authenciety of this, aertification can be verified at arous. ACIC emploaries any lowify

#### JAY T RAFFERTY

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

#### ACI Concrete Field Testing Technician - Grade I

ACI Memoging Director of Contification

The duthenisity of this entification can be verified at www. ACK-stification orgher by

Page 60 of 75 Prime consultant name: Design Engineering, Inc.

#### JAY RAFFERTY'S CERTIFICATIONS (CONTINUED):

![](_page_69_Picture_1.jpeg)

Page 61 of 75 Prime consultant name: Design Engineering, Inc.

### **JEFFREY PUISSEGUR CERTIFICATIONS:**

![](_page_70_Picture_1.jpeg)

![](_page_70_Picture_2.jpeg)

![](_page_70_Picture_3.jpeg)

![](_page_70_Picture_4.jpeg)

Page 62 of 75

Prime consultant name: Design Engineering, Inc.

### JAMES MARTIN, PH.D., P.E. CERTIFICATIONS:

![](_page_71_Picture_1.jpeg)

![](_page_71_Picture_2.jpeg)

![](_page_71_Picture_3.jpeg)

Certificate of Attendance

Local Public Agency Qualification Program LPA Qualification Core Training Module

PRESENTED BY

Louisiana Department of Transportation and Development Louisiana Local Technical Assistance Program And The Federal Highway Administration

TO CERTIFY THAT

#### Jim Martin

HAS SATISFACTORILY COMPLETED 6 HOURS OF TRAINING

thathe for Wiels

October 23, 2012 Date

Director of Local Public

Baton Rouge, Louisiana

Location

![](_page_71_Picture_15.jpeg)

Agency Program

![](_page_71_Picture_17.jpeg)

Page 63 of 75 Prime consultant name: Design Engineering, Inc.
# JOHN HOLTGREVE, P.E CERTIFICATIONS:





Page 64 of 75 Prime consultant name: Design Engineering, Inc.

### BRETT LIUZZA, P.E. CERTIFICATIONS:

Page 65 of 75





Prime consultant name: Design Engineering, Inc.

# JOHN KARLIN, SE, P.E. CERTIFICATIONS:



Certificate of Completion

presented to

John Karlin

for completing the Traffic Engineering Analysis Process & Report Class Module 1, 2 & 3

August 11 - 12, 2021

Baton Rouge, Louisiana



Illinois Department of Financial and Professional Regulation

#### Lookup Detail View

Contact

Name	City/State/Zip	DBA / AKA	
JOHN SCHULMEISTER KARLIN	River Ridge, LA 70123		

License

License Number	Description	Status	First Effective Date	Effective Date	Expiration Date	Ever Disciplined
081008511	LICENSED STRUCTURAL ENGINEER	ACTIVE	08/28/2020	11/23/2020	11/30/2022	N





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Date:

Location:

Authorized Instructor

Prime consultant name: Design Engineering, Inc.

Professional Development

Hours (PDHs) Awarded: 8.50

thorised Instructor

#### BEN BARTLETT, P.E., PTOE CERTIFICATIONS:



# COLLIN GILLEN, E.I. CERTIFICATIONS:



Page 68 of 75 Prime consultant name: Design Engineering, Inc.

# CHAD ORTOLANO CERTIFICATIONS:



Page 69 of 75 Prime consultant name: Design Engineering, Inc.

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

Page **71** of **75** Prime consultant name: Design Engineering, Inc.

Page **72** of **75** Prime consultant name: Design Engineering, Inc.



Page **73** of **75** Prime consultant name: Design Engineering, Inc.

# 22. Sub-consultant information:

Firm Name (as registered with Louisiana's Secretary of State)	Address	Point of Contact and email address	Phone Number
Eustis Engineering L.L.C.	13434 Jefferson Highway, Baton Rouge, LA 70187	Gwendolyn P. Sanders, P.E. gsanders@eustiseng.com	(225) 706-5564
Infinity Engineering Consultants, LLC Infinity Engineering Consultants, L.L.C.	4001 Division Street, Metairie, LA 70002	Raoul V. Chauvin, III, P.E. <u>rchauvin@infinityec.com</u>	(504) 304-0548

# 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.

