# **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	LA 385: RYAN STREET INTERSECTION IMPROVEMENTS
2.	Contract number(s) as shown in the advertisement	4400024461
3.	State Project Number(s), if shown in the advertisement	H.012685
4.	Prime consultant name (as registered with the Louisiana	Urban Systems, Inc.
	Secretary of State where such registration is required by	
	law)	
5.	Prime consultant license number (as registered with the	EF.0001342
	Louisiana Professional Engineering and Land Surveying	
	Board (LAPELS) if registration is required under	
	Louisiana law)	
6.	Prime consultant mailing address	2000 Tulane Avenue, Suite 200
		New Orleans, LA 70112
7.	Prime consultant physical address (existing or to be	2000 Tulane Avenue, Suite 200
	established, if location is used as an evaluation criteria)	New Orleans, LA 70112
8.	Name, title, phone number, and email address of prime	Alison Catarella Michel, P.E. PTOE, PTP RSP <sub>1</sub>
	consultant's contract point of contact	President / Transportation Engineer
		504-523-5511
		acmichel@urbansystems.com
9.	Name, title, phone number, and email address of the	Alison Catarella Michel, P.E. PTOE, PTP RSP <sub>1</sub>
	official with signing authority for this proposal	President / Transportation Engineer
		504-523-5511
		acmichel@urbansystems.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	Signature (shall be the same person as #9): Mism Catalla michy Date: $8.9.2.2$
certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.	
11. If a Disadvantaged Business Enterprise (DBE) goal has	Firm(s): Firm(s)' %:
been set for this advertisement, indicate which firm(s)	Urban Systems 59
will be used to meet the DBE goal and each firm(s)	55
percentage.	

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

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

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

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

Evaluation	% of	Urban Systems, Inc.	Fly Industries, LLC	Crescent Engineering		
Discipline(s)	Overall	(Prime)	(Sub)	& Mapping, LLC		
	Contract			(Sub)		
Road	60	35	-	65		
Bridge						
Traffic	40	95	5			
CE&I/OV						
Geotech						
Survey						
Environmental						
Data Collection						
Planning						
Right-of-Way						
СРМ						
ITS						
Appraiser						
Other						
Identify the percentage of v	Identify the percentage of work for the <b>overall contract</b> to be performed by the prime					
consultant and each sub-co	consultant and each sub-consultant					
Percentage of Contract	100%	59%	2%	39%		

# 13. Firm Size:

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

http://wwwsp.dotd.la.gov/Inside\_LaDOTD/Divisions/Engineering/CCS/Job\_Qualification/Job%20Classifications%20with%20Descriptions.pdf

Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
URBAN SYSTEMS inc	Supervisor- Eng	1	2
	Engineer	1	2
	Engineer-Other (P.Eng)	1	1
	Engineer Intern	1	1
	CAD Technician	1	1
	Technician	2	4
	Supervisor Engineer	1	1
	Engineer	1	2
ENGINEERING & MAPPING LLC	Sr. Technician	1	1
	Technician	1	2
Fly Industries, LLC.	Other (Signal Technician)	1	1

(Add rows as needed)

Page 4 of 44 Prime consultant name: Urban Systems, Inc.

### 14. Organizational Chart:

# **O**RGANIZATION OF **P**ROPOSED TEAM



Page 5 of 44 Prime consultant name: Urban Systems, Inc.

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

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

MPR No. Do not insert wording from ad	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license / certification & number	State of license	License / certification expiration date
1-4	Alison C. Michel	Urban Systems, Inc.	PE #30261 PTOE #1023 PTP #626 PSP. #115	LA	3/31/2023 11/6/2023 11/20/2023
5	Larry Fly	Fly Industries, LLC	IMSA/ Traffic Signal Field Technician Level II BE 17367	n/a	8/28/2023

Firm employed by Urban Systems, Inc.						
Name	Alison (	C. Michel, P.E., PTOE, PTP, RSP1			Years of relevant experience with this employer	21
Title	Preside	nt / Transportation En	gineer	128	Years of relevant experience with other employer(s)	3
Degree(s) / Ye	ars / Spe	ecialization		12	BS / 1997 / Civil Engineering	
Active registra	ition nur	nber / state / expiration	on date		30261 / Louisiana / 03/31/2023	
Year registere	d	2002	Discipline		Professional Engineer: Civil Engineering	
Active registra	ition nur	nber / state / expiration	on date		1023 / Louisiana / 11/06/2023	
Year registere	d	2002	Discipline		Professional Traffic Operations Engineer	
Active registra	ition nur	nber / state / expiration	on date		626 / Louisiana / 11/20/2023	
Year registere	d	2017	Discipline		Professional Transportation Planner	
Active registra	ition nur	nber / state / expiration	on date		115 / Louisiana / 12/21/2024	
Year registere	d	2018	Discipline		Road Safety Professional	
Contract role(	s) / brief	description of respon	sibilities		Professional In Charge of Traffic Engineering Task	
Ms. Michel has	over twer	nty-four (24) years' expe	rience in Traffic En	gineering and Tra	insportation Planning. Ms. Michel has extensive design experi	ence that
includes permai	nent and	temporary traffic signals	, traffic control dev	vices for work zor	nes, intelligent transportation systems, signage and striping Sł	ie has also
prepared constr	ruction do	cuments and provided o	construction engine	eering services fo	r roadway modifications at intersections, point repairs and ro	adway
reconstruction.	She has a	wide array of experienc	e with transportat	ion studies incluc	ling traffic impact, safety, corridor, feasibility/Stage 0,	- ·
environmental/	Stage 1, n	nulti-modal and transit f	acilities. She has e	xperience in the	timing of coordinated signal systems and progression analyse	s. She is
proficient in mic	croscopic	simulation modeling usi	ng VISSIM and COF	RSIM and also in a	inalysis programs such as Highway Capacity Software (HCS),	
Tru-Traffic and s		Duan Street at Drian	also Dood Interes			
03/2006-04/200	19	Kyan Street at Prien	Lake Road Intersed	ction improveme	<u>nts</u>	thia.
		INS. MICHEI Was the p	t a CODEIM analysi	sponsible for the	preparation of roadway widening and signal design plans for	.[]]S
LADUID project. First a CORSINI analysis of various intersection improvement strategies was conducted to c		the preferred concentual layout was identified, construction	the			
optimum lane configuration and signal operations. Once the preferred conceptual layout was identified, construction			hin limited			
Right of Way. In addition to the traffic signal modifications, the design included modification to drainage, reconfiguration		tion of				
driveways, improving corner radii, widening concrete navement and an asphalt overlay. Preliminary and Final plans		.1011 01				
specifications and a cost estimate using LADOT		LADOTD pay iter	ns were prepared under Ms. Michel's direction. The project v	vas		
constructed successfully.			ullv.			
06/2012-03/201	14	LA 378 Widening and	Realignment - Sta	atewide Stage 0 S	itudies	

	Stage 0 Feasibility Study for LA 378 Improvements Westlake to Moss Bluff, Calcasieu Parish, LA. Ms. Michel was the Principal in Charge of the team that prepared the Traffic Study to develop and compare alternatives to improve the corridor for both operations and safety. She participated in field visits and conducted travel time runs. Traffic Assignments and Forecasting for alternatives included the use of Transcad model output. Improvements considered included access management techniques such as adding a median and driveway consolidation in line with LADOTD policies.
01/2014-08/2019	US 90 (I-49 South) Albertson's Parkway to Ambassador Caffery Design-Build Project Ms. Michel was a member of the key personnel for this design-build project as the Traffic Engineer. The project included converting US 90 to a controlled access facility by converting at-grade intersections to an interchange. The bridge structure had to span the intersection and a railroad. She supervised the design and analysis and performed QA-QC for temporary and
	permanent signal plans, permanent signage plans, temporary traffic control plans and the transportation management plan. Which where all prepared based on LADOTD design standards and the Roadway Design Procedures and Details Manual. Signal plans were prepared using the DOTDs latest TSI format. Analysis included developing design hour volumes for the design year and modeling signals in Synchro. Phasing and timing were developed for both permanent and temporary signal operation.
11/2008-11/2012	Carrollton Avenue Safety Study, Carrollton and Palmetto/Washington Streetscape Project and COSTCO Roadway and Signal Design Plans Ms. Michel worked with the City of New Orleans to identify and develop potential streetscape improvements due to high volume of vehicular and pedestrian traffic along the Carrollton Avenue roadway network. She evaluated traffic operations, safety, directional signage, ingress/egress points, pedestrian accommodations, and access to bus stops. Under Ms. Michel's direction, the team developed a model of the roadway network using VISSIM software. The conceptual design included sidewalk improvements with ADA ramps, lighting, crosswalks, bus shelter location modifications, vehicular signalization, turn lanes, and minor drainage modifications. Towards the end of the original project for the City, a COSTCO development was proposed and USI was contracted by them for the fast-paced preparation of road design and signal design plans. In addition to the streetscape modifications, the project included modifications to Carrollton Avenue at the I-10 ramps, widening modifications to both Dixon and Dublin Streets and complete reconstruction of Cambronne Avenue. Three traffic signals were involved that included flashing beacons for the off-ramp, pedestrian signals for crosswalks and a specialized foundation for a traffic signal pole at the canal/culvert. To meet the tight schedule, each roadway was designed by a different USI engineer. Ms. Michel coordinated between the clients (COSTCO, LADOTD and the City of New Orleans), managed the engineers and performed QA-QC to ensure a consistent and complete set of plans. The design phase included final construction plans, specifications, bid documents, and construction cost estimates. Construction Administration services were also provided under Ms. Michel's direction which required extensive coordination as the roadway modifications were constructed by two separate contractors while the COSTCO was being constructed by a third. The constructi

Firm employ	ed by L	Jrban Systems, Inc.				
Name	Nicole H	. Stewart, P.E., PTOE		Years of relevant experience with this employer	17	
Title	Vice President / Transportation Engineer		on Engineer	Years of relevant experience with other employer(s)	1.5	
Degree(s) / Y	/ears / Sp	ecialization	1000	BS / 2004 / Civil Engineering and BS / 2004 / Physics		
Active regist	ration nu	mber / state / expira	tion date	34750 / Louisiana / 09/30/2023		
Year register	ed	2009	Discipline	Professional Engineer: Civil Engineering		
Active regist	ration nu	mber / state / expira	tion date	2923 / Louisiana / 08/2023		
Year register	ed	2009	Discipline	Professional Traffic Operation Engineer		
Contract role	e(s) / brie	f description of respo	onsibilities	Transportation Engineer		
Ms. Stewart h	as sevente	en (17) years of experie	ence in Traffic and Transportation	Engineering and is a certified Traffic Control Design Specialist. The	plans	
and specificat	ions includ	led, but were not limite	d to, the proper placement of tem	nporary Traffic Control Devices (signs, barricades, drums, roadway		
markings, etc.	) to facilita	ate traffic safely and eff	iciently through the traffic control	zone. Ms. Stewart has experience in Transportation/Traffic engine	ering	
including tran	sportation	studies, safety studies	and the preparation of traffic cont	trol devices plans. She also has experience in signal design and timi	ng of	
coordinated s	ystems, tra	affic impact analysis, mi	croscopic modeling using CORSIM	software, geometric design, pavement design, and drainage. She h	ias	
experience using Highway Capacity Software (HCS), Synchro, and TS/PP Draft in the timing and coordinating of traffic signals.						
03/2006-04/2009 Ryan Street at Prien Lake Road Intersection Improvements						
		Ms. Stewart prepared	d the design plans for roadway mo	difications and traffic signal upgrade. The turn lanes on both Ryan	Street	
		and Prien Lake Road	had to be designed within limited	Right of Way. Modifications to existing subsurface drainage were		
		included. The constru	uction documents were prepared	per LADOTD standards. Ms. Stewart prepared an opinion of proba	ble cost	
		based on LADOTD pa	y items. The intersection improve	ments were successfully constructed.		
	012	Lakofront/Haly Cross	Troffic Signal (ITS Signal System			
US/2009-07/2012 Lakerront/Holy Cross Traffic Signal / ITS Signal System		to determine the requirements for a self healing fiber network bet	woon			
		the traffic signals and video system detectors in the Lakefront and Holy Cross New Orleans neighborhoods. This project included				
		forty six (46) signalize	d intersections in two systems la	kenioni and Holy Closs New Orleans heighborhoods. This project in	arovido	
		connectivity to the Ci	ty of New Orleans Department of	Public Works (DPW) and the new Perional Traffic Management Co	ntor	
		(RTMC) The commun	vications system design included ti	in ins to the city's Ethernet network allowing full operation of the s	vstem	
		from City Hall Ms St	tewart was also the engineer resp	onsible for construction administration during the project	ystem	

10/2009-04/2015	Engineering & Land Surveying Services for Pakenham Dr. and Jackson Avenue Ms. Stewart was the Lead Engineer on the reconstruction of Jackson Avenue and Pakenham Drive when the project restarted several years post-Katrina. The initial project was to prepare preliminary and final plans for the one-way couplet traffic operations and reconstruction of Pakenham Drive and Jackson Avenue. Ms. Stewart reviewed the original plans. The post-Katrina tasks included finalizing the subsurface drainage plans on Pakenham Drive, Jackson Avenue, Tyler Avenue and Courthouse Square from previously prepared plans. LADOTDs HYDR software was used for the drainage design. At the request of St. Bernard Parish, replacing the existing water line and pipe bursting the existing sewer system was incorporated into the design. Ms. Stewart prepared the construction cost estimate and completed the LADOTD Plan Constructability and Biddability Review Form as well as the Road Design Final Plans QA/QC Checklist. Final plans were submitted in April 2015 and construction has since been
07/2018-01/2019	Completed. US 90 at Collins Diboll Drive
	Ms. Stewart was the Principal in Charge for the signal modification plans for the widening of the Ochsner Hospital driveway/ Collins Diboll Drive. This modification included upgraded video detection, push button activated pedestrian signals as well as new timing and phasing. The signal modification plans were prepared using the latest LADOTD TSI format. Ms. Stewart also prepared the permit for intersection control devices on state right of way for this project.
05/2018-04/2019	TMP for I-10: West of 108 to I-210 Interchange: Rubblize and Overlay As the lead engineer for this Traffic Management Plan, Ms. Stewart was responsible for the preparation of the safety analysis. She conducted the analysis per the guidelines set forth by LADOTD in <i>Guidelines for Crash Data Analysis</i> for this TMP in Lake Charles, LA. She conducted queue analysis to identify when lane closures would be permitted, identified the construction impact area and reviewed crash data for more than 350 collisions. Ms. Stewart identified trends and calculated crash rates and determined that the section of I-10 that was going to be rubblized had a crash rate that was higher than the statewide average.
10/2017- 04/2019	TMP for US 90 Bridge Maintenance over I-10 Ramps at LockMoor Ms. Stewart used the LADOTD EDSM guidelines to prepare key components of the traffic management plan (TMP) for proposed bridge repairs on US 90 from PPG Rd to the I-10 entrance ramp in Lake Charles, LA. Tasks include the preparation of collision diagrams, conducting safety analysis, detour analysis and developing proposed mitigations where applicable.

Firm employed by Urban Systems, Inc.							
Name	lame Christine M. Darrah, P.E.			Years of relevant experience with this employer	8		
Title Transportation Engineer		6.0	Years of relevant experience with other employer(s)	19			
Degree(s) / Y	Degree(s) / Years / Specialization BS / 1994 / Civil Engineering						
Active registration number / state / expiration date 25828 / Louisiana / 09/30/2023							
Year registered 2009 Discipline		2 ANY	Professional Engineer: Civil Engineering				
Contract role	Contract role(s) / brief description of responsibilities Transportation Engineer						
Mrs. Darrah has experience in Transportation/Civil Engineering including maintenance of traffic, plan and specification preparation, geometric design,							
construction management and quality control. She is proficient in the use of AutoCAD, Adobe Illustrator, and Highway Capacity Software (HCS). She also has							
experience using MicroStation and TransCAD. She has experience developing temporary striping and signage plans for various conditions including lang							

experience using MicroStation and TransCAD. She has experience developing temporary striping and signage plans for various conditions including lane closures, road closures, flagging operations and full detour plans. Ms. Darrah also has experience in traffic signal design, warrants analysis, timing/phasing analysis, wiring diagrams, interconnect layouts, construction quantities, specifications and cost estimates.

10/2009-04/2015	Engineering Services for Pakenham Dr. and Jackson Avenue Ms. Darrah conducted QA/QC for the final plans submitted in April 2015 for the federally funded reconstruction of Jackson Avenue and Pakenham Drive. The plans included complete roadway reconstruction of Pakenham Drive and Jackson Avenue, Tyler Street and Courthouse Square. Ms. Darrah conducted a thorough review of the horizontal and vertical alignments, the drainage system design, water and sewer replacement etc. for conformance with LADOTD plan requirements. She also conducted QA/QC of the construction cost estimates that were prepared based on LADOTD pay items.
03/2013-Current	<b>FEMA Recovery Roads Program</b> Ms. Darrah assisted with the design plans for the first initial roadway plans for the Seventh Ward, Bayou St John and Fairgrounds neighborhoods that were damaged by events related to Hurricane Katrina. Plans were prepared for concrete patching, panel replacement and asphalt mill and overlay. Incidental paving included sidewalk and driveway replacement and ADA ramp installation at all intersections. She assisted with estimating for quantities and construction costs. For the second phase of design services, the plans were for the full re-construction of several streets including waterline replacement. She designed the drainage system using LADOTD HYDRWIN software.
11/2010-09/2015	Pecue Lane / I-10 Interchange Environmental Assessment Ms. Darrah assisted with design and QA/QC for the Pecue Lane / I-10 Interchange traffic signals and the signal at the intersection of Pecue Lane at Reiger Road. The signal plans were prepared on the latest LADOTD TSI format. The interstate ramp terminal intersection signals were designed per LADOTD standards and the Reiger Road signal was designed per East Baton Rouge Parish

	standards. This required coordination to obtain pay item numbers for East Baton Rouge equipment. She reviewed the opinion of probable cost.
09/2014-08/2016	LA 415 Stage 0 Corridor Study Ms. Darrah was the team leader for the Stage 0 Corridor study to develop an alternative plan to improve mobility and safety on LA 415 in Port Allen, LA for normal conditions as well as increase the capacity for throughput during an I-10 mainline detour. The study included traffic volume collection, growth rate development, alternative development, modeling, safety analysis, Tier 1 analysis, and report preparation. VISSIM was used to model the corridor. Modeling the alternatives required base model creation, calibration, development of projected model for each alternative. She also managed the sub-consultant who prepared the geometric layouts.
09/2015-10/2018	<b>Picardy-Perkins Traffic Signal</b> Ms. Darrah was the design engineer for two (2) traffic signals for the Picardy-Perkins Connector Project. In this role she worked closely with the prime consultant, LADOTD, and East Baton Rouge Parish to design the traffic signal operation and identify locations for signal equipment for the permanent signal plans. Signal requirements included video detection, pedestrian accommodations, and advanced warning due to limited sight distance at the railroad underpass. The 98% plans are currently under review by Baton Rouge City-Parish and LADOTD.
08/2020-11/2020	Carencro Distribution Center Traffic Impact Study Ms. Darrah was the lead engineer for the traffic impact study for a one million square foot development on the I-49 East Service Road in Carencro, Louisiana. Ms. Darrah was responsible for volume estimation of base conditions using LADOTD historical data collection and trips from developments recently constructed in the area. The project included the analysis of multiple base and build scenarios to determine the traffic impact. Task included trip generation and distribution, turn lane and signal warrants, and capacity analysis. Methodology for volume estimation and trip distribution required coordination with the LADOTD District.
05/2021- Present	Complete Streets Group C- Bicycle Boulevard The striping, signage, and wayfinding plan preparation for new Bicycle Boulevards on 15 corridors in Uptown and Downtown areas of New Orleans were prepared by Ms. Darrah. She oversaw data collection for 48-hour vehicular counts, pedestrian and cyclist counts, and radar speed studies. Ms. Darrah worked closely with the project team and City of New Orleans DPW to evaluate data collected and develop potential improvements to prioritize cyclist on the existing road network. Her final striping and signage designs provide clear, concise direction for cyclist, pedestrian, and motorist.

Firm employed by Urban Systems, Inc.									
Name	Matthew H. Morgan, P.E.			Ye	ars of relevant experience with this employer	9			
Title	Transpo	ortation Engineer			Ye	ars of relevant experience with other employer(s)	0		
Degree(s) / `	rears / S	pecialization		Carl I		BS/ 2009/ Civil Engineering			
Active registration number / state / expiration date					TBD/ Louisiana				
Year registered 2022 Discipline				Professional Engineer: Civil Engineering					
Contract role	e(s) / bri	ef description of respo	onsibilities		Transportation Engineer				
Mr. Morgan h	as nine ye	ears experience as a Data	a Collection N	lanager for transpo	tati	on/traffic engineering projects. He has collected and deliv	/ered		
volume, class	, and spee	d data to project manag	ers using road	d tube equipment a	nd c	amera systems. Mr. Morgan has been a team member for	r		
many projects	s involving	g intersection, freeway, a	ind highway a	analysis. He has also	assi	sted in traffic impact analysis, traffic control device plans	,		
interchange modification/justification reports, stage 0 studies, traffic management plans, and planning studies. He is proficient in the following									
software: PetraPro, TraxPro, MetroCount, Excel, AutoCAD, Synchro, HCS Software, VISSIM, CORSIM, and adobe suite.									
10/2015 – 11/2016 Veterans Stage 0 Traffic Signal Timing and Coordination Study									

10/2015 – 11/2016	Veterans Stage 0 Traffic Signal Timing and Coordination Study
	The study objective was to reduce delays, lower emissions, improve fuel consumption, and improve safety, while maximizing the progressive movement of traffic through the Veterans Boulevard corridor. Mr. Morgan led the data collection effort which included collecting traffic roadway volumes, turning movement volumes, and vehicle classifications on the study corridor. Seven (7) day, twenty-four (24) hour counts were utilized to identify the proposed signal timing plans by Mr. Morgan. He assisted with the quality assurance/quality control (QA/QC) per USI's QA/QC policy for the traffic counts collected for use in existing and proposed traffic analysis. Mr. Morgan performed site visits at each intersection and performed morning, mid-day and evening travel time runs before and after implementing the signal timing improvements. He also assisted in preparing the reports that documented the improvements for each of the identified performance measures that resulted from the implementation of USIs recommendations.
03/2016- Current	I-10/Loyola Interchange Improvement IMR Mr. Morgan led data collection efforts on I-10 and surrounding roadways for the I-10/Loyola Interchange improvements. He organized counting roadways and turning movements using video camera and pneumatic tubes. He also assisted in the collection of speed data using hand-held radar devices. Mr. Morgan helped review crashes associated with the project, analyze crash characteristics, and examine trends in crashes for the study years. He assisted with capacity analysis for existing and future alternative conditions using HCS, Synchro, and Vissim analysis software. Mr. Morgan helped write/QAQC reports, and appendixes based on the results of these analyses.

03/2021-01/2022	North Blvd The objective of the traffic study as to enhance North Blvd from I-110 to Foster St for pedestrians and Bicycles in Baton Rouge, LA. Urban Systems was tasked with the collect of traffic and safety data for the project. Mr. Morgan led the data collection effort which included 7-day classification counts, 48-hour classification counts, turning movement counts, spot speed studies, and driveway spot counts. He also led the effort for the collection of safety information from LADOTD crash websites for local and state roads. Mr. Morgan helped with the safety analysis to determine the LOSS and overrepresented crashes in the study area that may need to be addressed in the Traffic Study.
12/2020-02/2022	<b>City of Bossier As Needed Traffic Engineering Services</b> The objective of the project was to improve mainline progression during peak hours for three principal arterials (LA 3105, LA 3, and US 71) in the City of Bossier, Louisiana. Mr. Morgan the data collection effort which included collecting daily roadway volume counts, peak period turning movement counts, geometric characteristics and signal equipment. He compared the collected traffic data to historical traffic data to determine if/what impact COVID-19 had on the traffic volumes in direction, timing and order of magnitude. The comparisons included visual representation of the data in graphs and tables. Mr. Morgan coordinated with the City of Bossier to acquire signalized intersection controller parameters, speed zones, and coordinated intersection groups on the study principal arterials. Using Tru-Traffic signal coordination software, he developed existing models to present baseline traffic progression characteristics for the peak hours. He calculated the required pedestrian timings for the intersections that include actuated pedestrian signals to assist in identifying potential impacts on platoon progression for the study corridors.
04/2018-07/2018	Marconi Dr Traffic Study Mr. Morgan was a team member for a traffic study focused on increasing safety for pedestrians, cyclists, and drivers on Marconi Dr. His role was to evaluate the existing conditions on Marconi Drive including vehicular, bicycle and pedestrian traffic and to identify potential improvements. Mr. Morgan led the acquisition and documentation of traffic data for the study area. He also led the analysis of the study intersections creation of graphic representation of existing and alternative scenarios. Mr. Morgan met schedule deadlines and assisted with the generation of the report and appendix.
10/2017-12/2017	<b>Calcasieu Pass TIA</b> Mr. Morgan led the data collection team for the Calcasieu Pass TIA. This data collection included vehicle volume and classification counts in the surrounding study area. He assisted design efforts for figures representing the results of the study. Mr. Morgan assisted with intersection analysis, report generation, and quality control efforts.

Firm en	nployed by	Fly Industries L	.LC 🔽					
Name	Larry Fly		ŏ	Years of relevant experience with this employer	1			
Title	Owner		Ø	Years of relevant experience with other employer(s)	37			
Degree	(s) / Years	/ Specialization		Traffic Signal Field Technician /2020/ Level II				
Active r	registration	n number / state / ex	piration date	#BE_17367/ 2023				
Year rea	gistered	2020	Discipline	Certified Public Safety Technician				
Contrac	ct role(s) /	brief description of r	esponsibilities	Level II Traffic Safety Technician				
Mr. Fly	has 38 yea	rs of experience in tr	affic signal contr	roller programming and troubleshooting, experience with traffic o	ontrol			
devices	for work z	ones, and intelligent	transportation s	systems. He also has experience in inspecting the traffic signal and	ITS work			
on proje	ects throug	hout the states of Lo	uisiana, Tennes	see, Arizona and Kansas.				
07/1984	07/1984-02/2008 Supervisor: Traffic Signal Controller Shop, LADOTD, Baton Rouge, Louisiana. Responsible for programming, maintaining, and repairing NEMA traffic signal controllers at more than six hundred intersections of state roadways throughout Louisiana; coordinating with department supervisors, adhering to civil service rules and regulations regarding human resources related issues; and ensuring departmental procedures and standards remained in compliance with all appropriate laws, rules and standards. Mr. Fly inspected fieldwork throughout the state following installation and/or repairs and maintenance performed by contractors or in-house crews at intersections that used NEMA controllers.							
07/2008	D7/2008-11/2010Project Manager: Responsible for supervising and coordinating all aspects of multiple traffic control projects, including the development of bids, estimating, budgeting, inventory management and control, invoicing and billing, quality and asset management, resource allocation, human resources (including training, supervision, and hiring/compliance issues), adherence to safety programs and protocols, and all other project-related issues.							
11/2010	-04/2017	117Technical Project Manager: Responsible for supervising and coordinating all of the technical tasks related to specific jobs/projects including determining resources, assets and labor components needed to complete projects in the most cost-efficient manner and understanding all plan sheets and pay items to ensure the appropriate allocation of resources to specific tasks. Other actions included, coordinating with Project Manager(s) to ensure the availability of technical resources were adequate and timely; assisting in the preparation of the technical components of estimates and submittals to prepare and ensure adherence to budgetary requirements and guidelines. As well as working with the Project Manager(s) and senior company 						

	to the Project Manager(s) on a monthly basis; ensuring the completion and accuracy of daily technician work logs and service and material invoices; coordinating safety-related issues with Project Manager(s) to ensure that all corporate, client and regulatory safety requirements are followed and documented as appropriate.
06/2020-10/2021	Managing Partner: Managed field operations for projects that consisted of traffic signal and street light installations.

Crescent Engineer	ing & Mapping, LLC	;					
Denni Engi	i <b>s M. Hymel, Jr., PE</b> neering Manager	@ c	RESCENT ENDINEERING & MAPPING LLC	Years of relevant experience with this employer Years of relevant experience with other employer(s)	1 17		
Degree(s) / Years / Sp	ecialization		Bachelor of Science/2009/Civi	l Engineering			
Active registration nu	mber / state / expirat	tion date	38172 / LA / 09/30/2023				
Year registered	2013	Discipline	P.E./Civil Engineering				
Contract role(s) / brie	f description of respo	nsibilities	<b>Roadway Design/QC</b> . Dennis w Control reviews and oversee p	will assist the roadway design team and perform plan preparation.	Quality		
Experience dates (mm/yy–mm/yy)	Experience and qua intersection", etc. Ex	alifications relevan perience dates sh	ant to the proposed contract ould cover the time specified in	t; <i>i.e.</i> , "designed drainage", "designed girder n the applicable MPR(s).	rs", "designed		
09/16 – 08/21 (previous employer)	SP No. H.011152, I-12 Widening (US 190 to LA 59), St. Tammany Parish, LA (LADOTD) – Project Manager/Engineer of Record. Responsible for all roadway design including H&V geometrics and drainage, prepared Level 4 TMP and construction phasing plans. Designed single slope TL-4 median barriers on concrete footings, special median barrier transitions for lighting; Quality Control & bridge design engineer for the widening of Pontchatolawa Creek and Tammany Trace bridges including AASHTO Type III prestressed girders with varying skewed, bobtail spans and LRFR. Quality Assurance engineer for widening of US 190 bridges including AASHTO Type II & IV prestressed girders. Performed Construction Support Services. Design completed under an						
03/14 – 08/21 (previous employer)	SP H.004113, I-12 to Bush: LA 3241 (LA 435 to LA 40/41), St. Tammany Parish, LA (LADOTD) – Project Manager/ Engineer of Record. Lead design engineer responsible for roadway design including hydraulics, roadway H&V geometrics, superelevation, intersection design, R-CUT intersections, prepared Level 3 Traffic Management Plans and oversaw roadway plan production, performed plan QA/QC of five-span, AASHTO Type III girder bridge for the new 5.5-mile, four-lane rural roadway from LA 435 to Bush.						
09/18 – 08/21 (previous employer)	SP No. H.001344, US 190: LA 437 to US 190 BUS (Ph. 1), St. Tammany Parish (LADOTD) – Quality Control Manager. QC/QA of roadway design elements including horizontal and vertical geometry, intersection design, oversight of roadway plan production for one mile of 5 lane urban roadway reconstruction. Responsible for bridge design report, QC of bridge plan development for a horizontally curved, superelevated, 1400-foot-long bridge over the Bouge Falaya River using LG 36 and LG 54 prestressed concrete girders, 30' rectangular column bents, low water pier foundations. Coordinated utility conflicts and relocations, prepared cost estimates.						

03/22 – Ongoing	Tangipahoa Parish Off-System Bridge Replacement (4 Sites), Tangipahoa Parish (Tangipahoa Parish Government) – Project
	Manager/Lead Engineer. Responsible for all roadway horizontal/vertical alignments, roadway and bridge hydraulic analysis,
	retaining wall design, LRFD bridge design, oversight of plan preparation, coordination/oversight of geotechnical for the
	replacement of four (4) bridge RC Slab Span sites throughout Tangipahoa Parish on E. Lewiston Rd., Easley Rd. and Old Genessee
	Rd. (2) sites.
05/15 – 04/18	SP H.011788, Oak St. Bridge/Poydras Bayou, West Baton Rouge Parish, LA (LADOTD) – Project Manager & Engineer of Record.
(previous	Responsible for topographic surveys, roadway and bridge design, special LRFD bent and span design to accommodate hydraulic
employer)	conditions, 25' slab spans, LRFR, hydraulic analyses, steel bulkhead design and detailing, preliminary and final plans for the 3-span
	continuous Off-System bridge.
05/20 – 08/21	Contract 44-17598 – Rural Bridge Replacement Initiative Phase I (47 bridge structures), Districts 04, 05, 08, 58 (LADOTD) – Project
(previous	Manager/Engineer of Record. Led contract negotiations, performed QC review of topographic surveys, served as the EOR for
employer)	roadway, geometrics, and bridge design elements including hydraulics analysis, scour, horizontal/vertical alignments, Level 1/2
	TMP's, bridge design & LRFR (non-standard structures) including RC Slab Span and LG-25 girders, oversight of geotechnical services
	and environmental permitting, Environmental checklists, SOV's, CE document preparation and permit applications for the spot
	replacement of 47 bridge structures in northern Louisiana containing Fifteen (15) State Project Numbers.
03/16 – 02/19	SP H.011670, I-10/Loyola Interchange Improvements, Jefferson Parish, LA (LADOTD) – Project Manager/Lead Engineer. Lead
(previous	design team for Line and Grade studies and the Environmental Assessment (EA), assisted in preparation of the EA document,
employer)	critical geometry, interchange modification and alternative screening, lead engineer for the design of a four-level stacked,
	directional interchange (\$150 MM) including roadway and bridge, curved steel plate and prestressed concrete girder bridges,
	urban roadway sections, major utility conflict assessments, cost estimates, public meetings and quality control for a diverging
	diamond interchange (DDI) for the new interchange on I-10 at Loyola Dr. for the new airport terminal at Louis Armstrong Int'I
	Airport (MSY).
03/18 – 04/21	S.P. H.013080, McLemore Road/Bee Bayou, Richland Parish, LA (LADOTD) – Project Manager/Engineer of Record – Responsible
(previous	for all roadway and bridge design including geometrics, bridge TS&L, hydraulics, foundation layout, and bridge plan production for
employer)	the 7-span bridge replacement near Rayville, LA.
01/12 – 08/15	S.P. 713-29-0103, Tiger Drive Bridge over Bayou Lafourche, Lafourche Parish, LA (LADOTD) – Staff Engineer. Performed roadway
(previous	and bridge design including special 23' spans for the three-lane, 210' long bridge over Bayou Lafourche, LRFR of special bents and
employer)	spans, prepared bridge plans and details.
02/10 - 01/12	SP 450-10-0159, I-10 Widening (Siegen Lane to Highland Rd.), East Baton Rouge Parish, LA (LADOTD) – Staff Engineer. Prepared
(previous	roadway design plans including development of H&V geometry, drainage design, DB team coordination, construction support,
employer)	structural design of cantilevered concrete retaining walls, barriers and footings, barrier mounted light poles & signage, cost
	estimation for the widening of I-10 in Baton Rouge, LA.

<b>Crescent Engineer</b>	ing & Mapping, LLC						
	Abbey F. Falcon, P.E.	CDESCENIT	Years of relevant experience with this<1				
N/L	Project Engineer		Years of relevant experience with other employer(s)	5			
Degree(s) / Years / Sp	pecialization	Bachelor of Science/2017/Civ	il Engineering				
Active registration nu	mber / state / expiration date	46035 / LA / 03/31/2024					
Year registered	2021 Discipline	P.E./Civil Engineering					
Contract role(s) / brie	ef description of responsibilities	<b>Road Project Engineer</b> – Abbe preparation and detailing.	ey will assist with road design and will lead road	plan			
Experience dates	Experience and qualifications re	elevant to the proposed contrac	t; <i>i.e.</i> , "designed drainage", "designed girder	rs", "designed			
(mm/yy–mm/yy)	intersection", etc. Experience date	es should cover the time specified in	n the applicable MPR(s).				
04/20 – 04/22	S.P. H.013953, McManus Road Br	idge/Cypress Creek, Richland Paris	h, LA (LADOTD) – Lead/Engineer of Record. Res	ponsible for			
(previous	all roadway and bridge design, bri	dge hydraulics & scour analysis, dev	veloped roadway and bridge H&V alignments, dr	ainage design,			
employer)	prepared bridge TS&L, prepared roadway and bridge plans, design report forms, design criteria for the eight (8) span bridge replacement						
04/20 - 05/22	S.P. H.013955, LA 507, 514, Local	Bayou and Cr BRs, Red River Paris	h, LA (LADOTD) – Lead/Engineer of Record. Res	ponsible for			
(previous	all roadway and bridge design, bri	dge hydraulics & scour analysis, dev	veloped roadway and bridge H&V alignments, dr	ainage design,			
employer)	bridge TS&L, curved bridge sites, p System bridges.	prepared roadway and bridge plans	, design criteria for the <b>replacement of seven (7</b> )	) LADOTD On-			
04/20 – 04/22	S.P. H.013987, LA 521: Bridges Ne	ar Dykesville, Claiborne Parish, LA	(LADOTD) – Lead/Engineer of Record. Responsil	ble for all			
(previous	roadway and bridge design, bridge	e hydraulics & scour analysis, develo	oped roadway and bridge H&V alignments, supe	relevation,			
employer)	drainage, bridge TS&L, prepared r	oadway and bridge plans, design re	port & criteria forms for the replacement of three	ee (3)			
00/40 04/04	LADOTD On-System bridges.						
06/18 - 04/21	S.P. H.013080, McLemore Road/E	See Bayou, Richland Parish, LA (LAI	<b><u>DOTD</u></b> ) – Project Engineer – Assisted with roadwa	and bridge			
(previous	design including inroads modeling	, geometrics, bridge IS&L, hydrauli	cs, foundation layout, and bridge plan productio	n for the 7-			
employer)	span bridge replacement near jen	d, LA.					
04/20 - 02/22	S.P. H.013954, Pleasant Ridge/Ra	bbit Branch, LaSalle Parish, LA (LAI	<b>DOTD)</b> – Lead/Engineer of Record. Responsible f	for all			
(previous	roadway and bridge design, bridge	e hydraulics & scour analysis, develo	oped roadway and bridge H&V alignments, drain	lage design,			
employer)	prepared bridge TS&L, prepared r	oadway and bridge plans, design re	port forms, design criteria for the 3-span span bi	ridge			
	replacement.						

05/17 – 08/21	SP H.011152, I-12 Widening (US 190 to LA 59), St. Tammany Parish, LA (LADOTD) – Project Engineer. Assisted with all roadway
(previous	design elements on the 4-mile Interstate widening project including geometrics, Level 4 TMP and drainage. Prepared quantities,
employer)	Inroads roadway modeling, summary sheets, typical sections, detailing, Sequence of Construction sheets, prepared preliminary and
	final roadway plans. Accelerated project schedule.
04/18 – 10/21	SP H.001344, US 190: LA 437 to US 190 BUS (Ph. 1), St. Tammany Parish (LADOTD) – Project Engineer. Assisted with all roadway
(previous	design elements on the 1-mile Urban, multi-lane roadway widening project including geometrics and drainage. Prepared
employer)	quantities, performed Inroads roadway modeling, prepared summary sheets, typical sections, detailing, assisted with the
	preparation of preliminary and final roadway plans.
03/21 – 07/22	SP H.014233, LA 160: Cypress Bayou and Relief Bridges, Bossier Parish, LA (LADOTD)- Lead/Engineer of Record. Responsible for
(previous	all roadway and bridge design, bridge hydraulics & scour analysis, developed roadway and bridge H&V alignments, drainage design,
employer)	bridge TS&L, prepared roadway and bridge plans up to 60% Final Plans, design criteria for the replacement of two (2) LADOTD On-
	System bridges.
07/22-Ongoing	Old Genessee Rd. Bridges/Creeks, Tangipahoa Parish, LA (Tangipahoa Parish) – Lead Engineer – Responsible for roadway and
	bridge design including TS&L, bridge hydraulics and plan production for the replacement of two (2), 3-span Off-System timber
	bridges near Tickfaw, LA
05/17 – 08/21	S.P. H.004113, I-12 to Bush: LA 3241 (LA 435 to LA 40/41), St. Tammany Parish, LA (LADOTD) – Project Engineer. Assisted with all
(previous	roadway design elements on the 5.5 rural, 4-lane corridor project including geometrics and drainage design. Prepared quantities,
employer)	performed Inroads roadway modeling, prepared summary sheets, typical sections, detailing, Sequence of Construction sheets,
	prepared preliminary and final roadway plans.
03/21 – 07/22	SP H.014217, LA 537: Bridges Near Plain Dealing, Bossier Parish, LA (LADOTD) – Lead/Engineer of Record. Responsible for all
(previous	roadway and bridge design, bridge hydraulics & scour analysis, developed roadway and bridge H&V alignments, drainage design,
employer)	bridge TS&L, prepared roadway and bridge plans up to 60% Final Plans, design criteria for the replacement of three (3) LADOTD
	On-System bridges.
03/21 – 07/22	SP H.014231, LA 153: Topy Creek Relief & Drain Bridges, Bienville Parish, LA (LADOTD) – Lead/Engineer of Record. Responsible for
(previous	all roadway and bridge design, bridge hydraulics & scour, developed roadway and bridge H&V alignments, drainage design, bridge
employer)	TS&L, prepared roadway and bridge plans up to 60% Prelim Plans for the replacement of four (4) LADOTD On-System bridges.
07/17 – 06/21	S.P. H.013116, LA 20 Widening (LA 307 to S. Vacherie), St. James & Lafourche Parishes (LADOTD) – Project Engineer. Assisted with
(previous	H&V geometrics, roadway drainage design, roadway and bridge plan production, Inroads modeling, quantity calculations for the
employer)	2.7 mile rural safety widening project including split phased bridge construction of the RC slab span bridge over unnamed Bayou.

<b>Crescent Engineer</b>	ing & Mapping, LL	С					
	Kelly G. Jones		CDESCENIT	Years of relevant experience with this<1			
	Sr. Technician	E		Years of relevant experience with other employer(s)	3		
Degree(s) / Years / Sp	pecialization		Bachelor of Arts/2012/Mathema	tics & English			
Active registration nu	ımber / state / expira	ation date	N/A				
Year registered	N/A	Discipline	N/A				
Contract role(s) / brie	f description of resp	onsibilities	Sr. Technician – Road Design. Ke	ly will assist with the preparation of road plans a	and details.		
Experience dates	Experience and qu	ualifications re	levant to the proposed contract	t; <i>i.e.</i> , "designed drainage", "designed girder	rs", "designed		
(mm/yy–mm/yy)	intersection", etc. E	xperience date	s should cover the time specified ir	the applicable MPR(s).			
02/19 - 04/20	SP No. H.011152, I-	12 Widening (l	JS 190 to LA 59), St. Tammany Par	i <b>sh, LA (LADOTD)</b> – Project Technician. Assisted	with the		
(previous employer)	preparation of roadway and bridge plans, temporary erosion control plans, summary of estimated quantities, quantity summary						
	sheets, bridge quantity calculations, cost estimate preparation, title sheet and typical sections and details. Design completed under						
	an accelerated proj	ect schedule.					
01/19 - 11/19	<u>SP H.004113, I-12 to</u>	o Bush: LA 324	1 (LA 435 to LA 40/41), St. Tamma	<b>ny Parish, LA (LADOTD)</b> – Project Technician. As	sisted with		
(previous employer)	the preparation of r	oadway plans i	ncluding typical sections, cross sec	tions, detail sheets, summary of estimated quan	tities,		
	quantity summary s	heets, title she	et and performing advanced plan o	hecks including Right of Way maps for the new !	5.5-mile, four-		
	lane rural roadway	from LA 435 to	Bush.				
11/19 - 09/20	<u>SP No. H.001344, U</u>	<u>S 190: LA 437 t</u>	o US 190 BUS (Ph. 1), St. Tamman	y Parish (LADOTD) – Project Technician. Assisted	l with the		
(previous employer)	preparation of road	way plans inclu	iding utility relocation plans, detail	sheets, summary of estimated quantities, quant	ity summary		
	sheets, calculating r	oadway quanti	ties, performing advanced plan che	ecks of roadway plans vs. bridge plans, assisted v	with preparing		
	cost estimates.				<u></u>		
01/22 – 03/22	<u>SP No. H.014238, L/</u>	<u> 4 818: Barnet S</u>	prings & Creek Bridges, Lincoln Pa	rish (LADOTD) - Project Technician. Assisted wit	h the		
(previous employer)	preparation of road	way and bridge	e plans including typical sections, pl	an/profiles, detail sheets, summary of estimated	d quantities,		
	title sheet for the re	eplacement of t	wo (2) on-system bridges in Lincol	n Parish.			
12/21 – 03/22	<u>SP No. H.014218, L/</u>	A 2A: Thorny B	ranch & Indian Creek BRs, Webste	r Parish (LADOTD) - Project Technician. Assisted	with the		
(previous employer)	preparation of road	way plans inclu	iding typical sections, plan/profiles	, detail sheets, summary of estimated quantities	, title sheet		
	for the replacement of two (2) on-system bridge reaplcements in Webster Parish.						

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

Firm name	Urban Systems, Inc.				Past I	Past Performance Evaluation Discipline(s)*				Road and Traffic		
Project name	Prien Lake Road Computerized Signals (Conge				(Congestion	gestion Mitigation) Firm responsibil			oility (prime or		Prim	ne
	Rc	Route LA 1138 sub?)										
Project number S.P.No.700-01-0101				Owner's name		LA	DOTD					
Project location Calcasieu Parish, Louisiana							Owner's Pro	ject Manager	Rom	n Kemerly (	Deceased	i)
Owner's address, phone, email P.O. Box 900				, Lake Ch	narles, Louisia	na, I	70602, 337.49	91-1388				
Services commenced by this firm (mm/yy)				03/06	Total consultant contract cost (\$1,000's)				\$436K			
Services completed by this firm (mm/yy)				04/09	Cost of consultant services provided by this firm (\$1,000's)			\$383K				

This project was conducted in phases, a subconsultant performed three (3) topographic surveys and a Title Research and Property Survey. Urban Systems prepared two sets of construction documents based on the topographic survey data. The first was the design of two (2) closed loop signal systems and the second was for intersection modifications at Ryan Street at West Prien Lake Road, both in Lake Charles, Louisiana.

N. Stewart A. Michel

### Closed Loop Signal System Design Plans

The signal plans included controller, power source and mast arm locations; signal head configuration, signs, pavement markings, loop detection, emergency vehicle preemption equipment and all necessary cable, conduit

and junction boxes for the closed-loop system. Traffic count data was collected for use in the developing of new signal phasing and timing for optimum intersection operations. In addition to the capacity analysis, progression analysis was conducted to develop coordination parameters. The interconnection system was also designed for communication within the system. The plans were prepared in accordance with LADOTD standards.

### **Roadway Modification Design Plans**

The modification plans for the intersection included widening Ryan Street to accommodate dual left turn lanes for both approaches, widening West Prien Lake Road to provide a left turn lane on both approaches and replacement of the traffic signal. Minimum lane widths were utilized to fit within the tight Right-of-Way and closely spaced driveways along both corridors were impacted.



The roadway widening required modifications to sub-surface drainage. The plans also included driveway consolidation, new back of curb ADA compliant sidewalks, striping and signage. The plans were prepared in accordance with LADOTD requirements. The plans included LADOTD standard details and were prepared with use of LADOTD standard specifications. USI familiarity with the LADOTD road design process will be valuable during coordination for this project.

Page 22 of 44 Prime consultant name: Urban Systems, Inc.

# **17. Firm Experience:**

requirements.

Firm name	Urban Systems, Inc.				Past Performance Evaluation Discipline(s)* Traffic				Traffic	
Project name	EBR Signals – 5b						Firm responsibility	y (prir	ne or sub?)	Sub
Project numbe	USI Project N	lo. 20-075	Owner's	s name	ne East Baton Rouge Parish					
Project location	e East Baton F	ouge Parish, Louisiana Owr			Owner's	Project Manager	Nick	Ferlito		
Owner's addre	225-379-124	48, nick.fe	erlito@n	eel-schaff	fer.com, L	ADOTD P.O. Box 942	245 <i>,</i> В	aton Rouge	e, LA 70804	
Services commenced by this firm (mm/yy) 01/00 Tota				Total co	Total consultant contract cost (\$1,000's)					Unknown
Services completed by this firm (mm/yy) 11/19 C				Cost of	consulta	nt services	s provided by this fi	rm (\$	1,000 <sup>′</sup> s)	\$358K

Urban Systems was a sub-consultant tasked with designing traffic signal plans for twenty-four (24) intersections along Choctaw Dr, S. Choctaw Dr and S. Foster Ave in East Baton Rouge Parish, Louisiana. The design consisted of full upgrades for twenty-two (22) of the traffic signals including mast arms and foundations, signal controller and cabinet, video detection, railroad preemption, fiber interconnect, and ADA compliance. The remaining two (2) intersections included the installation of fiber interconnect to the existing signal controller.

The original phase of this project also included data collection and development of new signal phasing and timing for optimum intersection operation. Progression analysis was performed to develop coordination parameters.

After the completion of preliminary plans, this project was put on hold for multiple years due to lack of funding. Upon restarting the project, Urban Systems updated the design plans based on current field conditions and LADOTD/City-Parish

ish A.Michel M.Morgan C.Darrah

Multiple field visits were conducted with the prime consultant, LADOTD, the City-Parish and the railroad company to verify existing conditions and identify/confirm locations for new equipment.

Cost estimates and quantities were updated from the LADOTD's 2006 Spec Items to the LADOTD's 2016 Spec Items.



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

Firm name	Urban Systems, Inc.			Past Pe	rformance Evaluati	on Discip	oline(s)*	Traffic
Project name	Engineering and Land Surve	ying Services f	or	Firm re	sponsibility (prime	or sub?)		Sub
	Pakenham Drive and Jackso	n Avenue						
Project number	USI Project No. 01-013			Owner	's name	St. Berr	hard Parish	
Project location	St. Bernard Parish, Louisiana				<b>Owner's Project M</b>	lanager	Logan Ma	artin
Owner's address, p	hone, email 1125 East S	t. Bernard Higl	hway, Chalmette, Louis	siana, 70	043, 504.278.4317			
Services commence	ed by this firm (mm/yy)	12/01	Total consultant cont	ract cos	t (\$1,000's)			n/a
Services completed	d by this firm (mm/yy)	01/13	Cost of consultant ser	rvices pr	ovided by this firm	(\$1,000's	s)	\$321K

Urban Systems prepared plans for the full reconstruction of four roadways, Pakenham Drive, Jackson Street, Tyler Street and Courthouse Square in Chalmette, Louisiana. The sections of Pakenham Drive and Jackson Boulevard are between and tie into two state highways, Judge Perez Drive (LA 39) and St. Bernard Highway (LA 46) at signalized intersections. The plans were prepared in accordance with the LADOTD Roadway Design Procedures and Details Manual.

The reconstruction included converting open drainage to curb and gutter with a subsurface drainage system and to provide continuous curb sidewalks while minimally impacting historic oak trees. LADOTDs Hydrowin program was utilized for the design of the subsurface drainage system to tie into a canal west of Pakenham Drive. The water lines and sanitary sewer systems were also designed for replacement. A design challenge was that the existing roadway was mostly flat and the residential properties in many locations were lower than the road. The solution was lowering the roadway and developing the vertical



profile using LADOTD minimum curves.

Another design challenge was that the roadways were lined with massive oak trees that needed to be preserved. The tree roots extended under the roadway base. Therefore, to avoid disruption to the tree roots, the sewer systems were designed using technique called pipe bursting. This allowed the existing system to be replaced in the same location, causing minimal disruption to the tree roots. Sidewalks were also designed around tree trunks and ground level roots of the oak trees while providing ADA compliance. The plans were prepared using the LADOTD standard plans and specifications. A design exception was granted by the LADOTD Chief Engineer to allow curves without the use of superelevation to match the existing roadway.

> A.Michel N.Stewart C.Darrah

## **17. Firm Experience:**

Firm name	Urban System	ns, Inc.	Past Pe	erformance Evaluati	on Discipline(s)*	Traffic/ Ro	badway B	adway Engineering		
Project name					Firm responsibili	ty (prime o	r sub?)	Prime	9	
	FEMA Bayou	St. John, Fai	rgrounds & Se	eventh Ward						
Project number	2013-FEMA-5	BC/2G			Owner's name			City c	of N.O	
Project location	Orleans Parish	n <i>,</i> LA			<b>Owner's Project</b>	Manager	Brian F	ontain	e	
Owner's address,	phone, email	1300 Perdi	do St #6W03,	New Orleans, LA 70	)112, 504-316-769	7, bfontain	e@nola.	gov		
Services commen	ced by this firm	n (mm/yy)	02/14	Total consultant c	ontract cost (\$1,0	00's)			\$707K	
Services complete	ed by this firm	(mm/yy)	Current	Cost of consultant	services provided	l by this fir	m (\$1,00	0's)	\$278K	

Urban Systems provided professional engineering design services for FEMA-eligible street repairs on approximately 132 blocks within the designated boundaries of the Seventh Ward, Fairgrounds and Bayou St John Neighborhoods in New Orleans, LA. FEMA-eligible Street repairs were for damage by event related to Hurricane Katrina including, but not limited to, flooding, demolition, heavy vehicle traffic and debris. This included full-depth pavement patching with or without curbs, milling and overlaying of full blocks, sidewalks, driveways, and handicapped ramps. Full-depth pavement patching for the replacement of water lines (designed by others) and drainage system point repairs were also included.

Preliminary Design Plans consisted of title sheet, typical sections, special details and plan view drawings per City of New Orleans standards. Drawings were considered 60% design. A Preliminary Report was also prepared to document notable design decisions and/or recommendations.



Final Design Plans consisted of waterline/drainage pavement design, revisions based Preliminary Plan comments and a Plan in Hand (PIH) Meeting and work area (EHP) footprints for FEMA approval. The final sewer and water line design plans (by others) have been incorporated into the plan set and construction cost estimate by Urban Systems.

The bid process has been completed and the construction contract has been awarded. This project required coordination with City of New Orleans DPW and Sewerage & Water. Urban Systems is currently performing construction administration and resident inspection services for the construction.

A.Michel N.Stewart C.Darrah

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

Firm name	Urba	an Systems,	nc.			Past Perfor	mance l	Evaluatio	on Discipline(s)*	Traffic
Project name	LA 3	78 Improver	nents Westla	ke to Mo	ss Bluff,		Firm re	esponsib	ility (prime or	Sub
	Stag	e 0 Feasibilit	y Study and	Environm	ental Inventory		sub?)			
Project numbe	r	SP H.00948	8.1 /700-99-	0541	Owner's name			LADOTE	)	
Project location	n C	alcasieu Pari	sh, LA			Owner's Pro	oject Ma	nager	Connie Porter B	Setts
Owner's addre	ss, ph	none, email	1201 Capito	l Access F	load Baton Rouge,	, LA 70804, 22	25-379-1	L297, Co	nnie.Porter@la.g	<u>jov</u>
Services comm	ence	d by this firm	n (mm/yy)	06/12	<b>Total consultant</b>	contract cost	t (\$1,000	D's)		Unknown
Services compl	eted	by this firm	(mm/yy)	03/14	Cost of consultar	nt services pr	ovided l	by this fi	rm (\$1,000's)	\$122
The objective of	the st	tudy was to de	etermine optig	num impr	ovements to LA 378	3 between I-10	) and Sar	n Housto	n Parkway in the I	ake

Charles/Moss Bluff area of Louisiana. This area experienced peak hour commuter traffic and a SASOL plant was in planning stages at the time of the project.

Video data collection using Miovision was utilized to obtain turning movement counts and volume counts at the major intersections. Tube counts were used for classification and speed data collection. Traffic signal warrant analysis was conducted to confirm the need for existing signals on the corridor as well as policy requirements for full access openings on median divided roadways per LADOTD EDSMs. Turn lane warrant analyses were also conducted per NCHRP guidelines at major intersections. Capacity analysis was conducted with Synchro and SIDRA software to determine No Build conditions and assist with the development.

LADOTD policies were reviewed to assist in the development of alternatives. The introduction of a median and best practice access management methods were considered to improve safety along the corridor. Safety analysis included reviewing crash data reports to identify correctible crash patterns for use in developing alternatives. Alternatives considered included superstreets, u-turns, roundabouts and traditional signals. Alternative alignments involved



relocating routes and creating new intersections for which volume projections included estimating the re-routing of traffic.

A.Michel

N.Stewart

M.Morgan

Design year No Build and alternative traffic volumes were projected using output from the MPO regional travel demand model, known projects, historic growth rates and engineering judgment. The proposed SASOL plant was expected to introduce a significant amount of new traffic to the area.

VISSIM models were developed for the three alternatives and presented at the public meeting. Additional services included estimating design and construction costs for traffic signal equipment for the various alternatives and preparation of a report that documented the methodology and findings.

# **17. Firm Experience:**

Firm name	Crescent Enginee	ring & Mapp	ing, LLC	Past Performane Discipline(s)*	Road	Road		
LA 3127 Extens	ion (LA 70 to LA 1)				Firm responsibility (prime or sub?) Sub			
Project number	· ENG-17-013		Owner's name	Ascension Parish	n Government			
Project location	Past Performance Evaluation Discipline(s)*       Road         Extension (LA 70 to LA 1)         Extension (LA 70 to LA 1)       Firm responsibility (prime or sub?)       Sub         number       ENG-17-013       Owner's name       Ascension Parish Government       Sub         ocation       Donaldsonville, LA       Owner's Project Manager       Joey Tureau, P.E.       Joey Tureau, P.E.         address, phone, email       42077 Churchpoint Rd., Gonzales, LA 70737, 225.450.1326, Joey.Tureau@apgov.us       \$1,100         commenced by this firm (mm/yy)       09/21       Total consultant contract cost (\$1,000's)       \$1,100         cost of consultant services provided by this firm (mm/yy)         0ngoing       Cost of consultant services provided by this firm       \$55 (est.)	.E.						
Owner's addres	ss, phone, email	42077 Ch	urchpoint Rd., Gon	zales, LA 70737, 2	25.450.1326, Joey.1	「ureau@apgov.ι	JS	
Services comm	enced by this firm	(mm/yy)	09/21	Total consultant	: contract cost (\$1,0	00's)	\$1,100	
Services compl	eted by this firm	mm/yy)	Ongoing	Cost of consulta	nt services provide	d by this firm	\$55 (est.)	
				(\$1,000's)				

The LA 3127 Extension project is located south of the city of Donaldsonville within Ascension Parish, LA. The project proposes to construct a seven (7) mile, 4-lane, divided rural roadway through virgin terrain around the city of Donaldsonville, connecting LA 1 near McCall, LA to LA 70 and LA 3127 south of Donaldsonville. The roadway would serve as an evacuation route, remove heavy truck traffic from the historic city and serve as a segment of the future Westbank Expressway connecting I-10 in Port Allen to I-310 in Boutte, LA. The project includes a 180' long, LG-36 girder bridge over Bayou Lafourche adjacent to the existing Palo Alto bridge as well as four (4) other bridge sites consisting of reinforced slab span bridges. The four-lane roadway will transition back to the existing 2-lane roadways at LA 1 and LA 70.

The project involves topographic surveys, SUE, 60% Design, a Stage 0 Feasibility Study, NEPA document (Environmental Assessment) including line and grade study, geometrics, wetland delineations, Historical and Archeological studies, traffic study, Threatened and Endangered species, air and noise studies, SUE, route feasibility and cost comparisons. Challenges involve numerous underground utilities, mostly industrial pipelines which exist throughout the corridor.

Crescent is currently providing project coordination for the Environmental Assessment, bridge design services and roadways QC for the line and grade study once the EA begins and Quality Control reviews for the EA document, public involvement. Team Members Highlighted in this Proposal: Dennis M. Hymel Jr., PE







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

Firm name	Crescent Engine	eering & Ma	apping, LLC		Past Per	formance I	Evaluation Disciplin	pline(s)* ility (prime or Rick Webr mesla.com	Road	
Project name	Magnolia Heigh	nts Area Dra	ainage Impro	ovem	ents		Firm responsibilit	ty (prime o	or sub?)	Prime
Project number	PP No. 065		Owner's na	ame	St. Jame	es Parish Go	overnment			
<b>Project location</b>	Vacherie, LA					Owner's P	Project Manager	Rick Web	ore	
Owner's address,	phone, email	PO Box 10	6, Convent,	LA 70	723, 225.	562.2292, r	rick.webre@stjame	esla.com		
Services comment	ced by this firm (I	mm/yy)	10/21	Tota	l consulta	ant contrac	t cost (\$1,000's)			\$165
Services complete	ed by this firm (	mm/yy)	Ongoing	Cost	of consu	ltant servic	es provided by thi	Donsibility (prime or sub?)     Prime       inager     Rick Webre       @stjamesla.com       000's)     \$165       ad by this firm (\$1,000's)     \$145		

The Magnolia Heights Area drainage improvements project is located on the west bank of St. James Parish in the community of Vacherie, LA. The project proposes to improve drainage along the major roadways in the area in order to mitigate frequent flooding. The project area involves over 2 miles of 2-lane roadway along Magnolia Heights, Old Vacherie Rd. and connector streets with open ditch drainage. Within the proposed project, existing open ditch drainage will be converted to sub-surface drainage and new lateral outfalls will be constructed. Utility relocations will be required along with the relocation of driveways and sidewalks.

Crescent Engineering & Mapping, LLC is the prime consultant for the project and is responsible for the topographic surveys, drainage basin surveys/delineation, boundary surveys, drainage modeling, drainage design, roadway design/rehabilitation and utility surveys, utility design and relocations. The project's topographic surveys included over 2 miles of complete topographic surveys with a .DTM width of 120 feet as well as all drainage, building FFE's, and utilities. The topographic survey was completed using LADOTD survey codes and procedures for control establishment with all survey data processed in Microstation/Inroads using LADOTD processing procedures. The project's drainage modeling was performed using HEC-RAS and HEC-HMS as well as LADOTD HYDRWIN programs. Project design drawings are also being developed as traditional roadway plan/profile sheets using Bentley Microstation/Inroads.

Crescent is currently preparing the final plans for the project and will soon begin construction.



Team Members Highlighted in this Proposal: Dennis Hymel Jr., PE, Kelly G. Jones

Page 28 of 44 Prime consultant name: Urban Systems, Inc.

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

Firm name	Crescent Engineeri	ng & Mapp	ing, LLC	Past Performand Discipline(s)*	e Evaluation	Road	
Old Genessee F	Rd. Bridges over Cre	eks (2 Sites	)		Firm responsibility	(prime or sub?) Prim	е
Project numbe	r		Owner's name	Tangipahoa Paris	sh Government		
Project location	n Tickfaw, LA		Owner's Project	Manager		Misty Evans, P.E.	
<b>Owner's addre</b>	ss, phone, email	206 E. Mu	lberry St., Amite, L	A 70422 985-244	-6880 mevans@tan	gipahoa.org	
Services comm	enced by this firm (I	mm/yy)	03/22	Total consultant	contract cost (\$1,00	00's)	\$296
Services compl	eted by this firm (n	nm/yy)	Ongoing	Cost of consulta	nt services provided	by this firm (\$1,000's)	\$217

The Old Genessee Rd./Creeks Bridge Replacement project involves the replacement two (2) structurally deficient timber trestle bridges in Tangipahoa Parish near Tickfaw, LA. The project includes topographic surveys, property surveys, bridge design, roadway design, geotechnical, environmental and contract management. Project scoping and design is per LADOTD requirements including plan production.

Crescent Engineering & Mapping, LLC is the prime consultant for the project and is responsible for the topographic surveys, hydraulic analyses and modeling, roadway design, bridge design, utility surveys and roadway/bridge plan production. The project's topographic survey (140' x 3200' DTM) was conducted to LADOTD standards and processed in Bentley Microstation/Inroads. Hydraulic analysis was performed using GEOHEC-RAS and HEC-HMS as well as LADOTD HYDRWIN programs for roadside drainage. LADOTD design criteria are being followed and design drawings are also being developed as traditional LADOTD plans using Bentley Microstation/Inroads due to anticipated federal funding.

Crescent has completed the topographic surveys. Preliminary plans and hydraulic analysis are currently underway along with environmental and geotechnical services.

Team Members Highlighted in this Proposal: Dennis M. Hymel Jr., PE, Abbey Falcon, P.E., Kelly Jones



#### 18. Approach and Methodology:

#### **Project Team's Relevant Experience**

The LADOTD (Department) and Urban Systems (USI) have successfully completed roadway, intersection and traffic signal projects for over twenty years. While USI is best known for their focus on Traffic Engineering, their licensed Civil Engineers have been preparing civil design plans for municipalities and for LADOTD the entire time. In fact the USI Principals, Alison Michel and Nicole Stewart, collaborated on what became multiple projects involving the LA 385 (Ryan Street) intersection at Prien Lake Road. Their project experience provides familiarity with the area as this intersection is included in the proposed LA 385: Ryan Street Intersection Improvement project (the Ryan Improvements). Similar to the advertised project, it began with updating traffic studies. After identifying the best intersection configuration and other design details, USI prepared both Preliminary and Final Construction plans for LADOTD. Like the Ryan Improvements, they also included signal upgrades, addition of turn lanes, and sidewalk enhancements. The design process included acquiring topographic surveys, obtaining environmental clearance, and acquiring right-of-way (ROW). The set of roadway design plans prepared by USI included, but were not limited to, the roadway widening, driveway consolidation, sidewalk and ADA ramps and drainage modifications. A design exception was required for the narrow lane widths required to fit the design within the limited ROW, providing experience needed to navigate the design waiver (or exception) process that may be required for the Ryan Improvements.



*The Ryan Improvements* advertisement is for Stage 3 Design Services. Many civil engineering firms provide the design services required for this project and USI staff has had the opportunity to work with many of them. USI has provided traffic signal design plans, striping and signage plans, sequence of construction and traffic control devices plans as well as many Transportation Management Plans for LADOTD projects. These experiences have kept them up to date on all of the latest LADOTD processes and requirements. Through this they have also collaborated with LADOTD staff to find solutions to almost every challenge that projects both typically and rarely endure. It is our belief that at the heart of *the Ryan Improvements* project is the need to improve safety. **USI's extensive safety experience will prove valuable to promote this objective and is the reason they selected to pursue this opportunity as a Prime Consultant. Crescent Engineering & Mapping (Crescent)** may be a recently formed firm, however **USI staff has successfully completed projects of many different types with its Principal, Dennis Hymel, Jr. for LADOTD.** His many years of experience with LADOTD road and bridge projects will perfectly compliment the USI staff experience. Their collaboration is certain to result in quality deliverables at every stage. Mr. Hymel's role will include assisting with Project Management for preparing design documents and also with QA-QC. The principals of the firms worked together in a similar arrangement to deliver an Environmental Assessment for the I-10 Loyola Improvement Project in fifteen (15) months while simultaneously preparing three (3) Interchange Modification Reports. Their partnership on that project ahead of schedule and within budget should give LADOTD confidence that they can deliver a smaller scale project such as *the Ryan Improvements*.

USI utilizes both **Microstation**, **AutoCad**, **AutoTurn** and the **full suite of LADOTD approved Traffic Engineering Software** and has collaborated with LADOTD using **ProjectWise**. Crescent also utilizes all LADOTD required software including **Microstation/Inroads**, **CadConform and ProjectWise**. Larry Fly of Fly Industries will round out the team with his many years of experience in working with Traffic Signals in the field both with LADOTD and for others.

### **Project Kick-off Meeting and Site Visit**

The project kick-off meeting sets the stage for the entire project so its importance cannot be stressed enough. The primary purposes of this meeting are to set expectations, exchange information, define communication protocols, develop a schedule, and discuss known hurdles in the process and/or the project itself. USI will consult with the Department ahead of time to identify required attendees and prepare other information (including an agenda, previous studies and collected data) to guide and aid in the discussion. If possible, a site visit will be scheduled the day of, or after, the kickoff meeting to document existing conditions and identify as many potential challenges as possible. USI will prepare minutes of the meeting, which will be provided to those in attendance following the meeting in draft form for review and comment prior to finalization.

#### **Traffic Engineering Study Update**

USIs expertise is in Traffic Engineering, and they have been working with LADOTD's Traffic Engineering Process and Report since its inception. A study to quantify the impacts of introducing a raised median is an access management exercise that is extremely familiar to USI staff. Their knowledge of the LADOTD's Access Management policies and experience developing design techniques to mitigate impacts will result in a project that will enhance the quality of life for the surrounding community.

#### **Traffic Signal Plan Development**

The Traffic Signal Plans will be developed based on the latest LADOTD Traffic Signal Design and Traffic Engineering Manuals as well as to meet the requirements of the Manual of Uniform Traffic Control Devices. The plans will be prepared in Microstation utilizing the latest LADOTD TSI Format. USI staff also has experience designing interconnect systems with both fiber and twisted pair and also with tying into LADOTD mainline fiber for communication with a central system. Projects that USI has completed with these elements include US 165 in Monroe; Foster, South Choctaw and Choctaw in Baton Rouge, Lakefront/Holy Cross Neighborhoods in New Orleans and LA 44 at I-10 in Ascension. Because of these projects, the analysis and plan preparation required to include the eleven (11) subject traffic signals in the existing Adaptive Traffic Signal System are very familiar to USI staff members.

#### **Preliminary and Final Plans**

The approach will be to collaborate with LADOTD personnel to understand and meet, or exceed, expectations. The Plan In Hand meeting is of utmost importance especially for the *Ryan Improvements*. At this meeting field conditions will be verified and problem solving may be needed in areas of limited Right of Way and/or access choices. The well documented LADOTD processes for preliminary plans and final plans will be followed.

#### **Quality Control**

Quality control is a critical aspect of everything we do at USI. In our recent reintroduction of our Mission, Vision, Focus and Core Values – Quality was identified as the number one Core Value. USI's staff strives to always provide the *highest* Quality deliverables and we institute a plan to do just that, prior to the start of every project.

USI has consistently maintained a QA/QC policy as part of its employee manual. As times have changed with the conversion to electronic deliverables and reviews, our QA/QC policy has been continually updated and modernized. New staff members are sometimes surprised at how many checks and balances we require, but we have learned over the years that a new set of eyes is very important. As an example, USI's Project Manager for each Task Order, who will be intimately involved in developing the approach and/or making technical decisions, will not conduct the final QA/QC of the deliverable. Our experience has been that this element of our QA/QC process has greatly improved the Quality of our deliverables.

### Why USI?

USI's track record of successfully delivering projects of all types for a wide range of clients over many years will be a valuable asset to the Department for this specific contract. USI's highly skilled engineers have all the training and just as importantly, the knowledge that comes with solving real world challenges under continually changing circumstances. USI has the capacity to simultaneously manage, complete and deliver quality projects as proven by our successful collaborations with the Department in the past. USI's mission is *to provide comprehensive multi-modal transportation solutions that enhance quality of life for all users through partnerships with public and private clients.* We look forward to the opportunity to partner with our valued colleagues at the Department to further this mission together.

# 19. Workload:

For all contracts where a firm on the team is a prime consultant or sub-consultant and where a) the consultant selection was made by DOTD, and b) a contract was executed by the consultant and the contracting entity by the date the advertisement for this proposal was posted, list all work meeting the following criteria:

1) one of the team's firms is responsible for the performance of the work;

- 2) authorization to perform the work has been provided, as provided in the contract between the consultant and the contracting entity;
- 3) the work has not yet been performed and invoiced; and
- 4) the work is not currently suspended for an indefinite period of time.

For indefinite delivery/indefinite quantity (IDIQ) contracts, list open Task Orders individually.

List only the portion of the fees attributable to firms on the team.

Firm(s)	Past Performance Evaluation Discipline(s) *	State project number	Project name	Remaining Unpaid Balance**
USI	Road	N/A	No current projects	\$0
USI	Traffic	H.011309.5	Mac Arthur Final Design	\$30,687
USI	Traffic	H.012812	US 190: Northshore and Camp Villere	\$11,014
USI	Traffic	H.004891	Reserve to I-10 Connector	\$50,137
USI	Traffic	H.010571	Williams Traffic Signal Design	\$19,499
Crescent Engineering & Mapping, LLC	Road	N/A	No current projects	\$0
Crescent Engineering & Mapping, LLC	Survey	N/A	No current projects	\$0
Crescent Engineering & Mapping, LLC	Bridge	N/A	No current projects	\$0
Fly Industries, LLC	Traffic Signal Field Technician	N/A	No current projects	\$0

# DO NOT SUM

\* The only past performance evaluation disciplines to be used are: Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other. If a firm has more than one past performance evaluation discipline for any single project, the firm can use multiple rows to express the remaining unpaid balance per evaluation discipline.

Page 33 of 48 Prime consultant name: Urban Systems, Inc.

Certificate of Completion	Certificate of Completion
Alison Catarella-Michel	Alison Catarella-Michel
for completing the	for completing the
Traffic Engineering Analysis Process & Report Module 2	Traffic Engineering Analysis Process & Report Module 1
Diar Juar 11, 2018 Deptember Strategenere Service Brens Rouge, Lensones Show (19206) / Norphil 4	Date Date \$,2018 Performant Decisions Stort(PDR),85
Hylling with alling alling	Hallow suttered and a factor
CONTRACT OF CONTRACT.	Research of Careford
Certificate of Completion	
Alison Catarella-Michel	
for completing the	
Traffle Engineering Analysis Process & Report	
Module 3	
Module 3 Date: September 10, 2018 Projection d Development Comment: Barrin Rooge, Lensingan Provider 3	

Performed Designees Norm/PDIO/(Rearried: -8 all the w



for completing the Traffic Engineering Analysis Process & Repor Module 3	
Traffic Engineering Analysis Process & Repor Module 3	
	rt
One: February 26, 2019 Preferanceal Development Counting: Beolge City, Longenment Missies (PDIV), diversities	100 14 - 3
14 100mm - Allow - Charles	i narun







Chr	istine Darrah	
fo	r completing the	
Traffic Engineeri	ng Analysis Proce Module 3	ess & Report
Date October 8, 2020 Coutton Baton Rouge, Louis		Defeateral Development Neuro (PDNi), Amardad - 3
ply Schere	N-14	9.673-6

Page 43 of 48 Prime consultant name: Urban Systems, Inc.

# 20. Certifications/Licenses:

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



Page 34 of 44 Prime consultant name: Urban Systems, Inc.

		Client	#: 56	956				URB/	ASYST		
AC	CORD	CERT	FI	CA	TE OF LIAB	ILIT	Y INSI	JRAN	CE	DATE (M	MDD/////) 7/2021
THIS C CERT BELO REPR	CERTIFICATE IS IN IFICATE DOES NO W. THIS CERTIFIC ESENTATIVE OR	SSUED AS A M/ DT AFFIRMATIV CATE OF INSUR PRODUCER, AM	ATTE ELY ANC	R OF OR N E DO	F INFORMATION ONLY AN NEGATIVELY AMEND, EX DES NOT CONSTITUTE A ERTIFICATE HOLDER.	ND CO TEND CONT	NFERS NO R OR ALTER T RACT BETW	IGHTS UPOI HE COVERA EEN THE ISS	N THE CERTIFICATE HO GE AFFORDED BY THE SUING INSURER(S), AU	DLDER. E POLIC THORIZ	THIS IES IED
IMPOR If SUB this ci	RTANT: If the cert SROGATION IS W/ ertificate does not	ificate holder is AIVED, subject t t confer any rigt	an A to the its to	DDI terr the	FIONAL INSURED, the po ms and conditions of the certificate holder in lieu of	licy(les policy, of such	) must have certain polic endorsement	ADDITIONAL les may requ nt(s).	L INSURED provisions our uire an endorsement. A	or be er statem	idorsed. ent on
RODUCE	ER					NAME	CT Trudy H	enry			
Greylin	ng Ins. Brokerag	e/EPIC				(XIS)N	o, Ext): 770-55	2-4225	(A/C, No)		
loban	atta GA 30022	370				ADDRE	ss: aceccer	tificates@g	preyling.com		
upnan	etta, 011 30022						Linditard	INSURER(S) AF	FORDING COVERAGE		NAIC #
ISURED						INSURE	RA: Hartoru	v Fire Insurar	ndefinitity Company		29459
	Urban Syste	ms, Inc.				INSURE	RC				
	2000 Tulane	Avenue, Ste.	200			INSURE	RD:				
	New Orleans	, LA 70112				INSURE	RE:				
						INSURE	RF:				
OVER	AGES	CER	TIFIC	ATE	NUMBER: 21-22				REVISION NUMBER:		
THIS I INDICA CERTII EXCLU	IS TO CERTIFY THAT ATED. NOTWITHSTA FICATE MAY BE IS ISIONS AND CONDI	NDING ANY REI SUED OR MAY P TIONS OF SUCH	ERTA POL	INSU EMEN JN, 1 ICIES	RANCE LISTED BELOW HA IT, TERM OR CONDITION O THE INSURANCE AFFORDE I. LIMITS SHOWN MAY HAV	VE BEE FANY D BY T VE BEE	CONTRACT OF HE POLICIES N REDUCED I	THE INSURED R OTHER DO DESCRIBED I BY PAID CLAI	CUMENT WITH RESPECT HEREIN IS SUBJECT TO IMS.	TO WH	E TERMS,
靇	TYPE OF INSU	RANCE	ADOL	SUBR	POLICY NUMBER		MARCHER	(MARCA FRA)	LIMI	rs	
X	COMMERCIAL GENER	AL LIABILITY			20SBWBR1390		11/01/2021	11/01/2022	EACH OCCURRENCE	\$1,00	0,000
	CLAIMS-MADE	X OCCUR							PREMISES (Ea occurrence)	s1,00	0,000
Н									MED EXP (Any one person)	\$10,0	00
000	ACODECATE LIMIT A	DEN IES DED							PERSONAL & ADV INJURY	\$1,00	0,000
Ē	PRO-								GENERAL AGGREGATE	+2.00	0,000
Н	OTHER:	LOC							PRODUCTS - COMPOP AGG	\$	0,000
AUT	TOMOBILE LIABILITY				20SBWBR1390		11/01/2021	11/01/2022	COMBINED SINGLE LIMIT	.1.00	0.000
	ANY AUTO	_							BODILY INJURY (Per person)	\$	
	ANY ONLY	AUTOS							BODILY INJURY (Per accident)	\$	
X	AUTOS ONLY X	AUTOS ONLY							PROPERTY DAMAGE (Per accident)	\$	
										\$	
۱Ă	FXCERS LIAR	X OCCUR			20SBWBR1390		11/01/2021	11/01/2022	EACH OCCURRENCE	\$2,00	0,000
H		N s10000							AGGREGATE	\$2,00	0,000
3 WOF	RKERS COMPENSATION	N			20WBGAB7YCJ		11/01/2021	11/01/2022	X PER OTH		-
AND	PROPRIETOR/PARTNE	REXECUTIVE Y/N							E.L. EACH ACCIDENT	\$1,00	0,000
(Mar	ridatory in NH)	ED/	***						E.L. DISEASE - EA EMPLOYER	s1,00	0,000
DES	S, OBSCIDE UNDER CRIPTION OF OPERATI	ONS below							E.L. DISEASE - POLICY LIMIT	\$1,00	0,000
or Info	ormational Purp	oses Only									
ERTIF	ICATE HOLDER					CANC	ELLATION				
	Urban Syst 2000 Tulan New Orlean	tems, Inc le Avenue, Sui ns. LA 70112	ite 21	00		SHO THE ACO	ULD ANY OF 1 EXPIRATION ORDANCE W	THE ABOVE DE DATE THE TTH THE PO	ESCRIBED POLICIES BE C. EREOF, NOTICE WILL E LICY PROVISIONS.	ANCELL 3E DEL	ED BEFOR
						AUTHO	RIZED REPRESE	NTATIVE			
						64	V. Clange				
CORD	25 (2016/03)	1 of 1 The	ACC	ORD	name and logo are regist	tered m	© 1 arks of ACO	1988-2015 AG RD	CORD CORPORATION.	All righ	ts reserve
#5	sz940503/M2935	008							ANGQ1		

4	corb <sup>e</sup> c	ER	TIF	ICATE OF LIA	BILIT	YINSU	JRANC	E	DATE ( 09	MMDDYYYY) /16/2021
C B R	HIS CERTIFICATE IS ISSUED AS A MA' ERTIFICATE DOES NOT AFFIRMATIVE ELOW. THIS CERTIFICATE OF INSUR, EPRESENTATIVE OR PRODUCER, ANI	LY O ANCE D THI	OF II R NE DOE E CEF	NFORMATION ONLY AND GATIVELY AMEND, EXTER ES NOT CONSTITUTE A C RTIFICATE HOLDER.	CONFERND OR A	ITER THE C	TS UPON TH OVERAGE AN THE ISSUE	IE CERTIFICATE HOLDE AFFORDED BY THE POL NG INSURER(S), AUTHO	R. THIS ICIES RIZED	
in tr	SUBROGATION IS WAIVED, subject to a certificate does not confer rights to	the the	terms sertifi	and conditions of the polic cate holder in lieu of such	cy(ies) mi blicy, cert h endorse	ain policies ement/s).	may require	an endorsement. A stat	ement	ied. In
PRO	DUCER				CONTACT	Albert Pa	palardo, Jr.			
PAP	PALARDO AGENCY, INC.				PHONE	(985) 6	4-2695	FAX	(985) 6	74-0971
202	I N Causeway Ste 1A				E-MAIL	alifiliosure	La com	(MO), MO).		
					ADDRESS					
Mar	ndeville			LA 70471	INCLOSE	. CNA-VA	LLY FORGE IN	IS CO		NAIL P
INSU	IRED				INCORER				-	
	Urban Systems Associates, Inc.				INSURER	D :			-	
	2000 Tulane Avenue Sulte 200				INSURER	G:				
					INSURER	D:				
	New Orleans			LA 70112	INSURER				_	
0	VERACER	TIEIC	ATE	NUMPER- CI 219100014	INSURER	1:		DEVISION NUMPER-	_	
-	HIS IS TO CERTIFY THAT THE POLICIES OF	INSUE	BANCE	LISTED BELOW HAVE BEEN	USSUED 1	O THE INSU	RED NAMED A	ROVE FOR THE POLICY PER	100	
IN	DICATED. NOTWITHSTANDING ANY REQUI	REME	NT, T	ERM OR CONDITION OF ANY	CONTRAC	T OR OTHER	DOCUMENT	WITH RESPECT TO WHICH T	HIS	
0	ERTIFICATE MAY BE ISSUED OR MAY PERTI	NN, T	HE IN	SURANCE AFFORDED BY THE	E POLICIE	S DESCRIBE	DHEREIN IS S	UBJECT TO ALL THE TERMS	i,	
NSP	ACCUSIONS AND CONDITIONS OF SUCH PC	ADDL	O. LIM	I TO OFFORM MAY HAVE BEEN	N REDUCE	POLICY EFF	POLICY EXP			
LTR	TYPE OF INSURANCE	INSD	WVD	POLICY NUMBER		MMODATIO	(MM/DD/YYYY)	LIMI	5	
	COMMERCIAL GENERAL LINDILITY							EACH OCCURRENCE DAMAGE TO RENTED	\$	
	CLAIMS-MADE OCCUR							PREMISES (En occurrence)	\$	
								MED EXP (Any one person)	\$	
^	<u> </u>							PERSONAL & ADV INJURY	\$	
	GENLAGGREGATE LIMIT APPLIES PER:							GENERAL AGGREGATE	\$	
	POLICY JECT LOC							PRODUCTS - COMP/OP AGG	\$	
	OTHER:							Employee Benefits	\$	
	AUTOMOBILE LIABILITY							(Ea accident)	5	
	ANYAUTO							BODILY INJURY (Per person)	\$	
	AUTOS ONLY AUTOS							BODILY INJURY (Per accident)	\$	
	AUTOS ONLY AUTOS ONLY							(Per accident)	\$	
									5	
	UMBRELLA LIAB OCCUR							EACH OCCURRENCE	\$	
	EXCESS LIAB CLAIMS-MADE	ł						AGGREGATE	\$	
	DED RETENTION \$							PTP OTH	\$	
	AND EMPLOYERS' LIABILITY Y/N							STATUTE	<u> </u>	
	ANY PROPRETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED?	N/A						EL. EACH ACCIDENT	\$	
	(Mandatory in NH)							EL. DISEASE - EA EMPLOYEE	\$	
	DESCRIPTION OF OPERATIONS below		-					E.L. DISEASE - POLICY UNIT	\$	
	Professional Liability							Per Ulaim	\$2,0	00,000
^				AEH 00 6088134		09/08/2021	09/08/2022	Annual Aggregate	\$2,0	00,000
DES	REPTION OF OPERATIONS / LOCATIONS / VEHICL	ES (AC	ORD 1	01, Additional Remarks Schedule,	, may be affa	ched if more s	sace is required)			
CEI	RTIFICATE HOLDER				CANCE	LLATION	HE ABOVE DE		CELLE	BEFORF
	"FOR PROPOSAL PURPOSES	ONL	r		THE E	XPIRATION C	ATE THEREO	PROVISIONS.	RED IN	
					AUTHORI	ZED REPRESE	TATIVE			
							and a	Spando TE		



LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com

# Ms. Alison Marie Catarella Michel

License/Certificate Type - Number PE.0030261 Expiration Date 03/31/2023

Status: Active

# TRANSPORTATION PROFESSIONAL CERTIFICATION BOARD INC.<sup>TM</sup>

#### Ms. Alison Catarella Michel , P.E. , PTOE , F ITE

Transportation Engineer Urban Systems, Inc. Business Address (Preferred Mailing Address) 400 N. Peters, Suite 206D New Orleans, LA 70130 USA T: (504) 523-5511 F: (504) 523-5522 E-Mail: acmichel@urbansystems.com

New Search Refine Search

Transportation Professional Certification Board Inc. 1627 Eye Street, NW, Suite 600, Washington, DC 20006 USA Telephone: +1 202-785-0060 | Fax: +1 202-785-0609 E-mail: certification@ite.org ©2008 Transportation Professional Certification Board Inc.



PTOE 1023

Exp. Date 11/06/2023









The Louisiana Professional Engineering and Land Surveying Board has the following information on file:

# Lookup Detail View

#### Contact

Name	Public Address	
Ms. Nicole Harris Stewart	8454 Beechwood Court	
	New Orleans, LA 70127	

#### License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)	Supervisee(s)
PE.0034750	Active	06/22/2009	0 <mark>9/30/201</mark> 9		Urban Systems, Inc. # EF.0001342 - ACTIVE

#### Registration Information

Registration	Registration Date		
Civil Engineer	06/22/2009		

Page 38 of 44

Prime consultant name: Urban Systems, Inc.

#### TRANSPORTATION PROFESSIONAL CERTIFICATION BOARD INC.™

#### Mrs. Nicole H. Stewart, P.E., PTOE, MITE

Transportation Engineer Urban Systems, Inc.

Business Address (Preferred Mailing Address) 400 N. Peters, Suite 206 New Orleans, LA 70130 USA T: (504) 523-5511 F: (504) 523-5522 E-Mail: nhstewart@urbansystems.com

New Search Refine Search

Transportation Professional Certification Board Inc. 1627 Eye Street, NW, Suite 600, Washington, DC 20006 USA Telephone: +1 202-785-0060 | Fax: +1 202-785-0609 E-mail: certification@ite.org ©2008 Transportation Professional Certification Board Inc.











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

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

Will supply after selection, as stated in the RFQ.

# 22. Sub-consultant information:

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

Firm Name (as registered with Louisiana's Secretary of State)	Address	Point of Contact and email address	Phone Number
Fly Industries, LLC.	1113 Range Ave. STE110/140	Larry Fly	(225)936-9263
	Denham Springs, LA. 70726	Flyindustriesllc@gmail.com	
Crescent Engineering & Mapping,	P.O. Box 370	Dennis Hymel, P.E.	225-329-1742
LLC	Vacherie, LA 70090		

(Add rows as needed)

# 23. Location:

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