Electronic Delivery

February 22, 2022

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

Request for Proposal - Urban Systems, Inc. Submittal RE: **IDIQ Contract for Safety Studies Statewide**

Dear Sir/Madam:

Urban Systems, Inc. (USI) is pleased to submit our project team gualifications to the Louisiana Department of Transportation and Development (LADOTD) in response to the referenced Request for Proposals. USI has a long history of providing quality services to the LADOTD and we are best known for our expertise in Traffic Engineering and Transportation Planning. We have many proven successes in partnering with LADOTD on numerous Retainer Contracts in the past including Safety Studies, Traffic Engineering, Stage 0 Feasibility Studies and others.

USI employs a team of five (5) registered Professional Civil Engineers, four (4) of which are also Professional Traffic Operations Engineers (PTOE) that each have ten (10) or more years of experience. This past year we hired a Transportation Professional with ten (10) years of experience and a Professional Engineer License in Ontario, Canada. He is actively pursuing obtaining PE licensure in Louisiana. The Professional Engineers are supported by Engineer Interns and Technical Staff that are dedicated to USI's mission of providing comprehensive multi-modal transportation solutions that enhance quality of life for all users through partnerships with public and private clients.

In our proposal, we have included numerous relevant safety project examples that our firm has successfully completed or is engaged in currently. The broad range of safety projects USI has completed exemplifies that this is our craft, and we are able to deliver projects consistently, with quality deliverables, on the agreed upon schedule and within budget.

The USI team selected Crescent Engineering & Mapping, LLC as a sub-consultant to provide additional expertise in the area of geometric layouts, road design, cost estimates, utility conflict assessments, right of way and any bridge design services that may be needed. Their President's reputation for successfully delivering projects and long history of service to LADOTD is a perfect fit for the USI team.

USI and Crescent Engineering & Mapping, LLC look forward to the opportunity to continue our valued relationship with the LADOTD through this Safety IDIQ contract, and we thank you for your consideration.

Sincerely, ion cataulla michel

Alison Catarella Michel P.E., PTOE, PTP, RSP1 President/Transportation Engineer





DOTD FORM: 24-102

PROPOSAL TO PROVIDE CONSULTANT SERVICES

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

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

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

1.	Contract title as shown in the advertisement	IDIQ Contracts for Safety Studies Statewide
2.	Contract number(s) as shown in the advertisement	4400023689 and 4400023690
3.	State Project Number(s), if shown in the advertisement	
4.	Prime consultant name (as registered with the Louisiana	Urban Systems Associates, Inc. DBA
	Secretary of State where such registration is required by	Urban Systems, Inc.
	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 RSP1
	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 ₁
	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.	Signature (shall be the same person as #9):
The proposer also has not retaliated against any person	allow cotanal much
or other entity for reporting such refusal, termination, or	allow allow mary
commercially limiting actions. DOTD reserves the right	Date: 2/22/2022
to reject the response of the bidder or proposer if this	
certification is subsequently determined to be false, and	
to terminate any contract awarded based on such a false	
response.	
11. If a Disadvantaged Business Enterprise (DBE) goal has	$\frac{\text{Firm(s):}}{Normalized for the second second$
will be used to most the DDE goal and will Grad	NO DRE GOAL
will be used to meet the DBE goal and each firm(s)	
percentage.	

Page 2 of 48 Prime consultant name: Urban Systems, Inc.

12. Past Performance Evaluation Discipline Table:

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

The 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.	Crescent Engineering &						
Discipline(s)	Overall	(Prime)	Mapping, LLC						
	Contract		(Sub)						
Road	15	80	20						
Bridge									
Traffic	65	100	-						
CE&I/OV									
Geotech									
Survey									
Environmental	5	10	90						
Data Collection	10	95	5						
Planning									
Right-of-Way	5	-	100						
СРМ									
ITS									
Appraiser									
Other									
Identify the percentage of work for the overall contract to be performed by the prime									
consultant and each sub-consul	consultant and each sub-consultant								
Percentage of Contract	100%	87%	13%						

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	Total number of personnel available in this DOTD Job
		contract	(if needed)
Urban Systems, Inc.	Supervisor – Eng	2	2
Urban Systems, Inc.	Engineer	2	3
Urban Systems, Inc.	Engineer - Other	1	1
Urban Systems, Inc.	Engineer Intern	2	2
Urban Systems, Inc.	CAD Technician	1	1
Urban Systems, Inc.	Technician	2	4
Urban Systems, Inc.	Clerical	1	2
Crescent Engineering & Mapping, LLC	Supervisor – Eng	1	1
Crescent Engineering & Mapping, LLC	Surveyor	1	1
Crescent Engineering & Mapping, LLC	Technician	1	1

(Add rows as needed)

14. Organizational Chart:

ORGANIZATION OF PROPOSED TEAM



Page 5 of 48 Prime consultant name: Urban Systems, Inc.

15. Minimum Personnel Requirements:

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

MPR No. Do not insert wording from ad	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license / certification & number	State of license	License / certification expiration date
1	Alison C. Michel	Urban Systems, Inc.	PE #30261	LA	3/31/2023
			PTOE #1023		11/6/2023
			PTP #626		11/20/2023
			RSP ₁ #115		12/21/2024
2	Alison C. Michel	Urban Systems, Inc.	PE #30261	LA	3/31/2023
			PTOE #1023		11/6/2023
			PTP #626		11/20/2023
			RSP ₁ #115		12/21/2024
3	Alison C. Michel	Urban Systems, Inc.	PE #30261	LA	3/31/2023
			PTOE #1023		11/6/2023
			PTP #626		11/20/2023
			RSP ₁ #115		12/21/2024
4	Alison C. Michel	Urban Systems, Inc.	PE #30261	LA	3/31/2023
			PTOE #1023		11/6/2023
			PTP #626		11/20/2023
			RSP1#115		12/21/2024

(Add rows as needed)

Firm employed by Urban Systems							
Name	Alben P. Cooper, PE, PTOE				Years of relevant experience with this employer	15	
Title	Title Associate / Transportation Engineer				Years of relevant experience with other employer(s)	0	
Degree(s) / Years /	Specialization			BS/2	2006 / Civil Engineering		
Active registration	number / state /	expiration	n date	3629	1 / Louisiana / 09/30/2023		
Year registered		2002	Discipline	Profe	essional Engineer: Civil Engineering		
Active registration	number / state /	expiratior	n date	3206	/ Louisiana / 05/02/2024		
Year registered		2002	Discipline	Profe	essional Traffic Operations Engineer		
Contract role(s) / b	rief description of	of responsi	bilities	Trans	sportation Engineer		
Experience dates	Experience and qu	alifications re	elevant to the propo	osed cor	ntract; <i>i.e.</i> , "designed drainage", "designed girders",		
(mm/yy–mm/yy)	"designed intersec	tion", etc. E	xperience dates sho	uld cove	er the time specified in the applicable MPR(s).		
02/20 – 04/21	Districtwide Inte	ersection Im	provement Proje	ct (Dist	trict 6)		
	Mr. Cooper was	the lead de	signer for a projec	t to de	velop low-cost safety improvements at 167 intersections throughout	District 6 in Mississippi	
	including striping	g and signag	ge. Tasks included	perfor	ming field visits at each intersection to confirm existing conditions, ar	nd developing a plan	
	targeted at impr	oving safety	based on the typ	e of int	tersection and the level of severity previously determined by MDOT.	Each intersection was	
	evaluated to ide	ntify potent	tal underlying safe	ety issu	es such as, but not limited to, inadequate signt distance, striping, sign	hage and pavement	
	with MDOT pers	onnel throu	about the project	to one	ure the correct processes and procedures were followed. Mr. Cooper	nerformed OA/OC on	
	the final plans de	signed by M	gilout the project As Stowart	to ens	are the correct processes and procedures were followed. Mr. cooper	performed QA/QC on	
10/09 - 12/10	I Δ 52 (Paul Mail	lard Road)	Widening Stage 0	Feasih	ility Study		
10,05 12,10	As the traffic end	zineer for th	e LA 52 (Paul Mai	llard Ro	pad) Widening Stage 0 Feasibility Study in St. Charles Parish. Mr. Coor	per led the	
	development of	multiple alt	ernative roadway	improv	rement concepts. To compare the alternatives, he conducted existing	g/projected conditions	
	analyses for six (6) intersect	ions and three (3)	corrido	or segments. Three (3) years of accident data were reviewed to deter	mine safety or	
	operational defic	ciencies at i	ntersections and o	on the L	A 52 Corridor. The lack of shoulders and sidewalks were a major cor	ncern along this	
	corridor. As such	, specific at	tention was given	to coll	isions involving pedestrians and bicyclists. Collision diagrams were pr	epared, and trends	
	were identified t	o aide in th	e development of	potent	tial improvements.		
10/12 – Current	Nicholson Dr Seg	gment 1 Up	date_				
	Mr. Cooper was the Project Manager for a traffic study that was included with the Stage 1 Environmental Assessment under the Baton Rouge						
	Green Light Plan. The study evaluated multiple alternatives for the widening of LA 30 in the vicinity of Louisiana State University to provide						
additional capacity and was completed in December 2014. Recently, Mr. Cooper prepared an addendum to the traffic study to satisfy the							
	requirements for obtaining a categorical exclusion, which included a safety assessment. A detailed safety analysis was performed for one (1)						
	year of data to ic	dentify tren	ds and determine	the Lev	vel of Service Safety (LOSS) for the corridor. Temporary signals and or	ne (1) permanent signal	
	at the intersection	on of Nichol	son Dr at Jennifer	Jean/B	Bob Petit.		

Firm employed	Firm employed by Urban Systems								
Name	Alison C. Michel, PE, PTOE, PTP, RSP ₁				Years of relevant experience with this employer	21			
Title	President / Transportation Engineer				Years of relevant experience with other employer(s)	3			
Degree(s) / Years / Specialization				BS / 3	1997 / Civil Engineering				
Active registrati	on number / state ,	/ expiratio	n date	3026	1 / Louisiana / 03/31/2023				
Year registered 2002 Discipline F			Discipline	Profe	essional Engineer: Civil Engineering				
Active registrati	on number / state ,	/ expiratio	n date	1023	/ Louisiana / 11/06/2023	2			
Year registered		2002	Discipline	Profe	essional Traffic Operations Engineer	-All all			
Active registrati	on number / state ,	/ expiratio	n date	626 /	/ Louisiana / 11/20/2023				
Year registered		2017	Discipline	Profe	essional Transportation Planner				
Active registrati	on number / state ,	/ expiratio	n date	115/	Louisiana/ 12/21/2024				
Year registered		2018	Discipline	Road	Safety Professional (1)				
Contract role(s)	/ brief description	of respons	ibilities	Princ	cipal in Charge, MPRs 1-4				
Experience dates	Experience and qualif	ications relev	vant to the propose	d contra	act; i.e., "designed drainage", "designed girders", "designed intersection",	etc. Experience dates should cover			
(mm/yy–mm/yy)	the time specified in t	he applicable	e MPR(s).						
04/08 - 11/13	Statewide Safety S	otudies Ret	<u>ainer</u> aar far tha Stata	uido Co	Statu Studios Datainar Contract. Task arders ware issued to such	usto the sefety of intersections			
	and corridors in As		ger for the States	wide Sa	Panidas Tarrahanna Varnan Parishas and others. Ms Michael	conducted field			
	investigations/ Roa	ad Safaty A	ssessments in Dis	ounes, stricts A	51 and 08. The studies involved collection of traffic data and a th	horough review of crash			
	reports. The result	ting analysi	s led to either ide	ontifvin	by the need for a feasibility study and/or the development of lor	norodgine were of chash			
	recommendations	to reduce (correctible crashe	es.					
03/01 - 01/12	Ryan Street at Prie	en Lake Roa	ad Intersection Ir	nprove	ements				
	Ms. Michel was the	e project m	anager responsit	ble for t	the preparation of roadway widening and signal design plans for	this LADOTD project. First a			
	CORSIM analysis o	f various in	tersection impro	vemen	t strategies was conducted to determine the optimum lane conf	figuration and signal			
	operations. Once	the preferr	ed conceptual lay	out wa	as identified, construction documents based on LADOTD standar	rds were prepared to add turn			
	lanes to both Ryan	Street and	Prien Lake Road	within	limited Right Of Way. In addition to the traffic signal modification	ions, the design included			
	modification to dra	ainage, reco	onfiguration of dr	riveway	ys, improving corner radii, concrete roadway widening and an as	sphalt overlay. Preliminary			
	and Final plans, specifications and a cost estimate using LADOTD pay items were prepared under Ms. Michel's direction. The project was								
	constructed successfully.								
12/00 - 09/03	00 – 09/03 Traffic Operations and Safety Studies								
	State Farm Insurance Company identified intersection locations of severe crash data over the course of three years. Ms. Michel was Lead Engineer								
	In conducting traff	ic operation	ns and safety stu	uies at	these locations in the parishes of Jefferson and Orleans, LA. The	e studies identified			
	resulting recomme	npacted Sal	iery. Long- and S	non-te	and miligation strategies were evaluated, and a COST/Denent and	arysis was performed on the			
	resulting recommendations.								

11/08 - 11/12	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, new overhead truss mounted directional signage, 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 construction projects were successfully completed in time for the store
	opening prior to Thanksgiving.
06/16 – 02/17	LA 20 (Canal Boulevard) Widening
	This project was initiated by the City of Thibodaux and was originally designed with traditional widening without consideration of access
	management. Urban Systems conducted a traffic study to determine the optimum configuration for the widened section of roadway to be in
	conformance with LADOTD EDSMs to improve safety. The construction documents prepared included multiple traffic signals at partial median
	opening intersections. The coordinated system was interconnected via GPS. Her responsibilities included project management and QA-QC. She
	also presented the benefits of the safety improvements as a result of the access management at a public meeting.
01/13 – 10/13	LA 378 Widening and Realignment (Statewide Stage 0 Studies Retainer)
	This Stage 0 Feasibility Study was 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 test 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 in line with LADOTD policies.
10/13 – 06/14	US 11 Stage 0 and Access Management and Complete Street Improvements
	This project was facilitated by the Regional Planning Commission for LADOTD and City of Sidell. Ms. Michel was the project manager responsible
	for coordinating between the agencies as well as overseeing the technical aspects of the project. The project alternatives were developed to meet
	LADUID EDSIVIS ON access management and their complete Streets Policy. The study included consideration of a koad Diet and Roundabouts.
	connict points were compared among the alternatives.

Firm employed by Urban Systems							
NameBrandon D. Perilloux, PE, PTOE, RSP1Yea	ears of relevant experience with this employer	11					
Title Associate / Transportation Engineer Yea	ears of relevant experience with other employer(s)	0					
Degree(s) / Years / Specialization BS / 2010	0 / Civil Engineering						
Active registration number / state / expiration date 39968 / Le	Louisiana / 03/31/2022						
Year registered 2002 Discipline Profession	onal Engineer: Civil Engineering						
Active registration number / state / expiration date 4432 / Lo	ouisiana / 03/18/2024	<i>S</i>					
Year registered 2002 Discipline Profession	onal Traffic Operations Engineer						
Active registration number / state / expiration date 187 / Lou	uisiana / 12/21/2024						
Year registered 2018 Discipline Road Safe	Tety Professional (1)						
Contract role(s) / brief description of responsibilities Transport	rtation Engineer	5/101					
Experience dates Experience and qualifications relevant to the proposed contract; <i>i.e.</i>	i.e., "designed drainage", "designed girders",	100					
(mm/yy–mm/yy) "designed intersection", etc. Experience dates should cover the ti	time specified in the applicable MPR(s).						
$\frac{1}{10} \frac{1}{10} \frac$	a of LA 447 from two to three lange in Walker Louisiana. The s	afatu analysis					
was led by Mr. Perilloux. He was responsible for analyzir	g of LA 447 from two to three lanes in warker, Louisiana. The s	o responsible					
for safety analysis using the predictive method for altern	native comparison. Mr. Perilloux and his team used the results	of the safety					
analysis and LADOTD guidelines to compare specific alter	rnatives for each roadway segment. The USI team also determi	ned potential					
turn lane locations along the corridor and performed safe	fety analysis using methods from the Highway Safety Manual (HSM).					
03/21 – Current MOVE BR – Florida Blvd Segment 2 Enhancement							
Mr. Perilloux is currently the project manager for the MC	OVEBR project involving Florida Blvd between 22 nd St and Airli	ne Hwy in					
Baton Rouge, Louisiana. The USI team conducted field ob	bservations during the peak periods. The team also conducted	a detailed					
safety analysis for the corridor with a specific focus on pe	edestrian, bicycle and transit activities. The team also coordinate	ated with					
LADOTD and local entities to utilize other safety studies in	in the area to identify potential improvements. Future tasks w	ill include					
alternative development based on issues identified from	n the safety data. A cost-benefit analysis will be conducted on t	hese					
alternatives based on their potential impact to safety.	alternatives based on their potential impact to safety.						
02/20 – Current LA 621 at Roddy Rd Intersection Evaluation	LA 621 at Roddy Rd Intersection Evaluation						
Wir. Permoux is the project manager for a project to evolution (ICE). The project	VIT. Perilioux is the project manager for a project to evaluate the intersection of LA 621 at Roddy Rd based on LADOID EDSM						
VI.1.1.1.2 Intersection Control Evaluation (ICE). The proje	VI.1.1.1.2 Intersection Control Evaluation (ICE). The project includes collecting intersection volumes, geometry, and safety data. The						
team conducted analysis and assisted in developing cond	icentual geometry for the proposed roundahout. HSM based n	nethods were					
used to evaluate, compare, and quantify the potential for	or safety improvements.						

Firm employed by Urban Systems						
Christin	e M. Darrah, PE			Years of relevant experience with this employer	7	
Vice Pre	sident / Transportatio	n Engineer		Years of relevant experience with other employer(s)	20	
s) / Years ,	⁷ Specialization		BS /	1994 / Civil Engineering		
gistration	number / state / exp	iration date	2582	28 / Louisiana / 09/30/2023		
istered	2009	Discipline	Prof	essional Engineer: Civil Engineering		
role(s) / I	orief description of re	sponsibilities	Civil	Engineer		
e dates nm/yy)	Experience and qualifica "designed intersection"	tions relevant to t , etc. Experience	he pro: dates s	posed contract; <i>i.e.</i> , "designed drainage", "designed girders" hould cover the time specified in the applicable MPR(s).		
- 04/15	Engineering Services	or Pakenham D	r. and	Jackson Avenue		
	Ms. Darrah conducted	QA/QC for the	final pl	ans submitted in April 2015 for the federally funded reconstructio	n of Jackson	
	Avenue and Pakenham	n Drive. The plan	ıs inclu	ded complete roadway reconstruction of Pakenham Drive and Jack	son Avenue,	
	Tyler Street and Court	house Square. N	ls. Dar	rah conducted a thorough review of the horizontal and vertical alig	nments, the	
	drainage system desig	gn, water and se	ewer r	eplacement etc. for conformance with LADOTD plan requirement	ts. She also	
	conducted QA/QC of t	he construction	cost e	stimates that were prepared based on LADOTD pay items.		
Current	FEMA Recovery Road	<u>s Program</u>				
	Ms. Darrah assisted w	ith the design p	lans fo	r the initial phase of roadway plans for the Seventh Ward, Bayou	St John and	
	Fairgrounds neighborl	noods that were	dama	ged by events related to Hurricane Katrina. Plans were prepared	for concrete	
	patching, panel replac	ement and asph	alt mi	ll and overlay. Sidewalk replacement and ADA ramps were also in	cluded. She	
	assisted with estimation	ng for quantities	and c	onstruction costs. For the second phase of design services, the pla	ans were for	
	the full re-construction	n of several stree	ets incl	uding waterline replacement. She designed the drainage system us	sing LADOTD	
00/46	HYDRWIN software.	o. 1				
-08/16	LA 415 Stage 0 Corrid	or Study				
	Ms. Darrah was the te	am leader for th	e Stag	e 0 Corridor study to develop an alternative plan to improve mobi	lity and	
safety on LA 415 in Port Alien, LA for normal conditions. A secondary objective was to increase the capacity for						
	alternative development	i-10 mainline de	The study included traffic volume collection, growth rate developm	ient,		
	alternative developme	altornativos ra	anety a	have model creation, calibration, and development of prejected a	andition	
	models for each alterr	alternatives rec native.	quired	base model creation, calibration, and development of projected c	ondition	
	Current	oloyed by Urban Systems Christine M. Darrah, PE Vice President / Transportation	oloyed by Urban Systems Christine M. Darrah, PE Vice President / Transportation Engineer 3) / Years / Specialization gistration number / state / expiration date stered 2009 Discipline role(s) / brief description of responsibilities e dates Experience and qualifications relevant to t om/yy) "designed intersection", etc. Experience -04/15 Engineering Services for Pakenham D Ms. Darrah conducted QA/QC for the favenue and Pakenham Drive. The plant Tyler Street and Courthouse Square. No drainage system design, water and sec conducted QA/QC of the construction Current FEMA Recovery Roads Program Ms. Darrah assisted with the design p Fairgrounds neighborhoods that were patching, panel replacement and asph assisted with estimating for quantities the full re-construction of several streed HYDRWIN software. -08/16 LA 415 Stage 0 Corridor Study Ms. Darrah was the team leader for th safety on LA 415 in Port Allen, LA for r throughput during an I-10 mainline de alternative development, modeling, sa	oloyed by Urban Systems Christine M. Darrah, PE Vice President / Transportation Engineer) / Years / Specialization BS / gistration number / state / expiration date 2582 stered 2009 Discipline Profe role(s) / brief description of responsibilities Civil e dates Experience and qualifications relevant to the promotion (rector), etc. Experience dates sector) etc. -04/15 Engineering Services for Pakenham Dr. and Ms. Darrah conducted QA/QC for the final plans inclue Tyler Street and Courthouse Square. Ms. Darrah conducted QA/QC for the final plans inclue Tyler Street and Courthouse Square. Ms. Darrah drainage system design, water and sewer reconducted QA/QC of the construction cost endition (rector), panel replacement and asphalt mill assisted with estimating for quantities and cout the full re-construction of several streets inclue TyDRWIN software. -08/16 LA 415 Stage 0 Corridor Study Ms. Darrah was the team leader for the Stag safety on LA 415 in Port Allen, LA for normal throughput during an I-10 mainline detour. Talternative development, modeling, safety a corridor. Modeling the alternatives required models for each alternative.	Image: solution of the second secon	

Firm employed by Urban Systems								
Name Nicole	H. Stewart, PE, PTOE			Years of relevant experience with this employer	15			
Title Vice Pr	esident / Transportatio	n Engineer		Years of relevant experience with other employer(s)	1.5			
Degree(s) / Yea	rs / Specialization		BS /	2004 / Civil Engineering and BS / 2004 / Physics				
Active registrati	on number / state / ex	piration date	3475	50 / Louisiana / 09/30/2023	26)			
Year registered	2009	Discipline	Prof	essional Engineer: Civil Engineering	GA -			
Active registrati	on number / state / ex	piration date	2923	3 / Louisiana / 08/2023				
Year registered	2002	Discipline	Prof	essional Traffic Operations Engineer	TO VAL			
Contract role(s)	/ brief description of re	esponsibilities	Tran	sportation Engineer				
Experience dates	Experience and qualification	ons relevant to the	e propo	sed contract; <i>i.e.</i> , "designed drainage",				
(mm/yy–mm/yy)	"designed girders", "design	ned intersection",	etc. Ex	perience dates should cover the time specified in the applicable MPR(s).			
08/09 - 07/11	<u>LA 3235 Corridor Safety</u> Ms. Stowart was load o	<u>Study</u> ngineer on the	1 1 2 2 2	25 Corridor Safety Study from 1 A 1 to 1 A 22 in Terrebonne Paris	sh IA for the			
	Louisiana Department o	of Transportation	n and I	Development This study included the collection of crash data a	and reviewing			
	more than three hundre	ed detailed collis	sion re	ports. As a key part of this safety analysis, Ms. Stewart prepared	the collision			
	diagrams as a visual aid	to assist with id	dentify	ing trends and specific correctable factors that contributed to a	higher crash			
	frequency such as sight	obstructions cau	used by	intersection alignments, and pavement and lighting conditions.				
02/20 - 04/21	MDOT Low-Cost Safety							
	As the principal in charg	e, Ms. Stewart o	levelo	ped a plan to visit and document existing conditions at one hund	red and sixty-			
	four (164) intersections	that had been ic	lentifie	ed by MDOT as needing either basic, intermediate or enhanced lo	w-cost safety			
	improvements. Once a	strategic plan to) VISIT E	each intersection was prepared, Nis. Stewart was one of two engine standards to each of the intersections she visited. A plan was	ineers to visit			
	each intersection in acc	ordance with M	UTCD :	ad MDOT standards. Ms. Stewart also prepared a construction of	ost estimate			
	Ms. Stewart performed	a quality assura	nce che	eck of the final plans designed by Mr. Cooper.	ost estimate.			
10/13 - 06/14	US 11 Access Managem	ent and Comple	te Stre	eet Improvements Stage 0 Feasibility Study				
	The safety a safety analy	sis of the US 11	corrid	or as conducted by Ms. Stewart. This included applying the High	way Safety			
	Manual's Crash Modification Factor's (CMFs) to the proposed alternatives to determine the change in crash rate that could							
	be expected with each. Ms. Stewart also calculated the number of conflict points for each type of intersection included in							
	the No Build and Build a	Iternatives inclu	ding al	Il driveways and cross streets. The conflict points were presented	d in graphical			
	form and the number of	conflict points f	or the	entire corridor were compared to estimate the potential safety b	Denetits of			
	each alternative compared to the No Build.							

Firm employed	Firm employed by Crescent Engineering & Mapping, LLC							
Name Denn	is M. Hymel, Jr., PE			Years of relevant experience with this employer	<1			
Title Presi	dent/Engineering M	anager		Years of relevant experience with other employer(s)	17			
Degree(s) / Yea	rs / Specialization		Bachelor o	of Science/2009/Civil Engineering				
Active registrat	ion number / state ,	/ expiration date	38172/LA	A / 09/30/2023				
Year registered	2013	Discipline	Civil Engin	eering				
Contract role(s) / brief description	of	Dennis wil	I assist with environmental assessments, geometric layouts, cost e	stimates, utility			
responsibilities			conflict as	sessments, road design, and any bridge design services (if required	(k			
Experience dates (mm/yy–mm/yy)	Experience and que should cover the t	ualifications relevant t ime specified in the ap	to the propose oplicable MPR(d contract; <i>i.e.</i> , "designed drainage", "designed girders", "designed intersectior s).	ı", etc. Experience dates			
	Dennis Hyme	l has nearly 18 yea	rs of combine	ed experience in both the construction and engineering professions. D	ennis provides a			
	unique know	ledge of construction	on technique	es and cost effectiveness that is applied during design. Dennis has serve	ed as the lead			
66	engineer and	Engineer of Record	d for many LA	ADOTD projects ranging from Interstate widening, Design-Build project	ts, bridge			
Les /	replacement	s a multitude of roa	idway projec	ts including new corridors, intersections, roadway widening and round	Jabouts. He is very			
	knowledgeab	ole of LADOTD guide	elines from n	nanagement to design and plan production, AASHTO design guides, LF	<pre>\FD design, is</pre>			
	thoroughly e	xperienced in Micro	ostation, InRo	pads, and CADconform. He is also a certified bridge inspector and has i	recently received			
	specialized tr	aining with Bentley	OpenRoads					
01/18 – Ongoi	ng ENG-17-013, L	A 3127 Extension	(LA 70 to LA	1), Ascension Parish, LA (Ascension Parish Government) – Project	t Manager/Lead			
	Engineer. Curr	ently serving as th	e Project Co	pordinator for the NEPA document (EA) as well as bridge design se	rvices and			
	geometrics to	prepare prelimina	ry plans for \cdot	4 bridge sites (Bayou Lafourche and McCall Bayou) including reinfo	prced concrete slabs			
	and QC of LG-3	6 prestressed girc	lers and ove	rall roadway geometric design QC. For previous employer, lead en	gineer – prepared			
	Stage 0 Feasibi	lity Study, led geo	metric desig	gn and EA preparation for the 7 mile, 4-lane, rural roadway, line an	d grade study,			
04/46 00/2	topographic su	rveys and SUE (QL	D-A).					
04/16 - 08/2	1 SP NO. H.0131	16, LA 20 Widenin	g (LA 307 to	5 S. Vacherie), St. James & Latourche Parisnes (LADUTD) – Project	Manager, Lead			
(previous	Engineer. Parti	cipated in Road Sa	Tety Assessi	ment (RSA) and development of low-cost safety improvements, Pr	epared Stage U			
employer)	Feasibility stud	iy, Environmental	Checklists, c	oversignt of topo surveys and SUE, led roadway design efforts inclu	ding alternatives			
	analysis, H&V §	geometry, drainag	e design, Tra	affic ivianagement Plans, oversaw plan production for Preliminary	and Final Plans,			
performed bridge design QC for the 2.7 mile safety widening project including addition of shoulders and improved geometry.								
09/10-08/2	Bespensible fe	r all roadway dooi	103 190 to I	LA 33, St. Tammany Parish, LA (LADUTD) - Project Manager/Engl H&V geometrics, Lovel 4 TMP and drainage, Quality Control 8 brid	dae design onginoer			
(previous Responsible for all roadway design inclu				Taw geometrics, Level 4 Tive and Ordinage. Quality Control & Drid	age design engineer			
employer)	skowed bebte	ig of PolitchitdidW		Creek and Tammany Trace bridges including AASHTO Type III prestressed girders, varying				
	W prostrossod	girders and stool	Quality ASSI	arance engineer for widening of 05 190 and LA 59 bridges includin	g AASHIO IYPE II Q			
	TV prestressed griders and steer plate griders. Accelerated project schedule.							

Page 13 of 48Prime consultant name: Urban Systems, Inc.

09/18 - 08/21	SP No. H.001344, US 190: LA 437 to US 190 BUS (Ph. 1), St. Tammany Parish (LADOTD) – Project Manager/Lead Project Engineer.
(previous	Responsible for roadway design elements including horizontal and vertical geometry, intersection design, oversight of roadway
employer)	plan production for one mile of 5 lane urban roadway reconstruction. Responsible for bridge design report, design and 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.
03/14 - 08/21	SP H.004113, I-12 to Bush: LA 3241 (LA 435 to LA 40/41), St. Tammany Parish, LA (LADOTD) – Project Manager/ Engineer of
(previous	Record. Lead design engineer for roadway design including hydraulics, roadway H&V geometrics, intersection design, R-CUT
employer)	intersections, Traffic Management Plans and oversaw plan production, performed design 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.
05/20 - 08/21	Contract 44-17598 – Rural Bridge Replacement Initiative Phase I (47 bridge structures), Districts 04, 05, 08, 58 (LADOTD) –
(previous	Project Manager/Engineer of Record. Led contract negotiations, performed QC review of topographic surveys, served as the EOR
employer)	for 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 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.
05/18 – 08/21	MA-18-07, Braud & Germany Rd. Roundabout, Ascension Parish, LA (Ascension Parish Government) – Project Manager/Engineer
(previous	of Record. Responsible for all roadway design elements including single lane roundabout, H&V geometrics, drainage design, traffic
employer)	management plans, utility conflict analyses, utility relocation coordination, cost estimates, preliminary and final plans production
	and project management.
08/17 – 08/21	MA-17-01, Roddy Road Safety Widening (LA 935 to LA 621), Ascension Parish, LA (Ascension Parish Government) – Project
(previous	Manager/Engineer of Record. Responsible for all roadway design elements including H&V geometrics, drainage design, traffic
employer)	management plans, utility conflict analyses, cost estimates, preliminary and final plans production.
11/19 - 08/21	SP H.012812, US 190 at Northshore & Camp Villere, St. Tammany Parish, LA (LADOTD) – QC Engineer/Project Manager. Quality
(previous	Control Engineer performing oversight of roadway geometric development including (2) multi-lane roundabouts on US 190,
employer)	roadway H&V alignments, drainage design, R/W taking limits, cost estimates, oversight of the production of preliminary plans.

Firm name	Urb	Jrban Systems			Past Perfor	mance Evaluation Discipline(s)*	Traffic	
Project name	Retainer Contract Safety Studies Statewide				le	Firm responsibility (prime or sub?		Prime
Project number		SP 700-99-0402	SP 700-99-0402			Owner's name	LADOTD	
Project location	1	Statewide in Lou	tewide in Louisiana			Owner's Project Manager	April Renard,	P.E.
Owner's addres	s, pho	one, email	1201 Capita	l Access Road	l, Rm 202C Bate	on Rouge, LA 70802 , 225-379-1919,	April.Renard@	pla.gov
Services comme	commenced by this firm (mm/yy) 04/08			04/08	Total consultant contract cost (\$1,000's)			\$723
Services completed by this firm (mm/yy) 10/13			Cost of consult	ant services provided by this firm (\$	1,000's)	\$723		



Initial Field Investigation & Preliminary Data Review Districts 61 & 08

Conducted field visits to document conditions such as geometry, locations for count collection, speed limits, sight obstructions etc. and determined the need for further study and investigation at fourteen (14) intersections in District 61 and six (6) in District 08.

Stage 0 Study of 10 intersections on LA 431 in Ascension Parish

Developed and analyzed potential long-term improvements based on an inventory of field conditions and Road Safety Audit, which included the conversion of the roadway from a two-lane section into a 3-lane section to improve both operations and safety.

Speed Study on LA 1 in Mathews, LA, Lafourche Parish.

Collected bi-directional speed counts on LA 1 south of the LA 364 bridge in the vicinity of 4932 LA 1. The data was analyzed to determine the appropriate speed limit.

LA 3235 Corridor Safety Study, Houma, LA, Terrebonne Parish

Collected data, reviewed detailed crash reports, prepared collision diagrams and performed crash analysis on the roadway segment between LA 1 to LA 24. Identified contributing factors such as insufficient signage and pavement markings, lack of lighting and roadway geometry that could be mitigated to improve safety conditions on the rural corridor.

LA 44 Corridor Safety Study, Gonzales, LA, Ascension Parish

Developed short and long-term recommendations for improving safety along the corridor between LA 931 and LA 30.

LA 6 Roundabout Stage 0 Study, LA, Natchitoches Parish

Determined the feasibility for converting the intersection of LA 6 BUS (University Parkway) at Jefferson/Mill Street into a roundabout due to high crash frequency including multiple fatalities.

Low-Cost Safety Improvements at Intersections and Curves, LA, Multiple Parishes

Obtained and reviewed data and Conducted site visits for each of 117 Intersections and 969 Curves to identify low-cost safety improvements. Site specific figures were prepared illustrating the proposed signage and striping for each location. The site visits included using a ball bank indicator to measure the comfortability of various speeds to identify the appropriate speed on the warning signs for the curve. A preliminary cost estimate was developed for each location. The resulting deliverables were used for construction.

Members Utilized in this Project Submittal: A. Michel, B. Perilloux, N. Stewart, A. Cooper

Page 15 of 48 Prime consultant name: Urban Systems, Inc.



Firm name	Urb	an Systems			Past Perfor	mance Evaluation Discipline(s)*	Traffic	
Project name MDOT Low-Cost Safety Improvements					Firm responsibility (prime or sub?)		Prime	
Project number	nber 19-038					Owner's name	MDOT	
Project location		District 6	District 6			Owner's Project Manager	Mark Thoma	s, P.E.
Owner's addres	s, pho	one, email	2567 N. We	est Street, J	ackson, Mississ	sippi 39216, (601) 359-1454, mth	omas@mdot	.ms.gov
Services commenced by this firm (mm/yy)			03/20	Total consultant contract cost (\$1,000's)			\$248	
Services completed by this firm (mm/yy) 06			06/21	Cost of consult	ant services provided by this firm (\$	1,000's)	\$248	

"Thank you, Alben and Nicole. I know we threw you a little curve ball there at the end of this, but we appreciate everything y'all did on this project this year. You were both excellent to work with." – Mark Thomas, P.E., MDOT State Safety Engineer

Urban Systems staff conducted site visits to one hundred and sixty-four (164) intersections in various counties within the Mississippi Department of Transportation's District 6. The existing signage and striping at each intersection was photographed and cataloged electronically to aid identifying site specific safety improvements. The signage and striping were designed based on preassigned treatment levels by MDOT that included basic, intermediate, and advanced.

Urban Systems prepared striping and signage templates for the each of the treatment level types. These templates were reviewed and approved by MDOT, then used to design the improvements for the 164 intersections. Plan sheets were prepared documenting the treatment level, the existing signage to be removed, signage to be replaced and new signage to be installed. Urban Systems gave recommendations for specific intersections such as those with unique alignments or that required additional maintenance such as tree trimming to increase the visibility of the signage. The plans were being prepared in accordance with the MUTCD and the latest MDOT standard details and specifications.





MDOT requested that the advanced warning signs

include the street names to advise drivers of what intersection is ahead. Urban Systems designed the street name signs using SignCad. Due to lengthy names and streets with different names on either side of the highway, the design required collaboration with MDOT staff to determine font sizes, spacing and abbreviations to keep the signs a reasonable size. Quantity calculations and a construction cost estimate were prepared using the latest MDOT item numbers.

Members Utilized in this Project Submittal: A. Cooper, A. Michel, N. Stewart

Page 16 of 48 Prime consultant name: Urban Systems, Inc.

Firm name	Urban Systems				Past Perf	orm	e(s)*	Traffic	
Project name	Retainer Traffic	c Enginee	ring Servio	ces Contract		Firm responsibility (prime	e or sub?)	Sub	
Project number	H.012345.1, H.0	012632.1,	H.011065	5.5, H.009620.	5-1,		Owner's name		LADOTD
	H.013076								
Project location	Union and Calca	asieu Pari	shes, LA			Ow	wner's Project Manager	Hadi Shira	zi
Owner's address,	phone, email 1	1201 Capi [.]	tol Access	Road, Baton R	Rouge, LA 7	7080	04		
Services commenced by this firm (mm/yy) 04/16 Total consultant c						act c	cost (\$1,000's)		Unknown
Services complete	d by this firm (r	mm/yy)	05/19	Cost of consu	ultant serv	ices	s provided by this firm (\$1,	000's)	\$533

Farmerville Traffic Study

USI assisted with a traffic study to analyze the existing and projected traffic conditions of the Town of Farmerville to develop design concepts that would improve the safety and efficiency of roadways. Due to the relocation of public and private schools, redistributed traffic was expected to impact already congested intersections and routes. Urban Systems conducted safety analysis, existing conditions analysis, data collection and traffic forecasting.



US 171: MLK Blvd. Traffic Study

This project was unique in that alternatives were specifically developed to address the safety concerns of a short

weave on US 171 between the I-10 ramps and Modeling Street. The study area was a 3-mile corridor with 10 signalized intersections. USI conducted field observations, Vissim modeling and Synchro analysis.

I-210 at LA 1138-2 (Nelson Road) Interchange Modification Re-Evaluation Study Route: I-210

This project consisted of an update to the Interchange Justification Report (IJR) for the Nelson Road Interchange that was needed due to the construction of a new adjacent interchange at Cove Lane. Urban System's conducted the safety analysis which included comparing the crash rates and data trends both before and after the Cove Lane opening for interstate segments, roadway segments and intersections. The DOTD Safety Section Triage Tools were used to summarize and analyze the crashes. The report included over 100 tables and 18 pages of collision diagrams. **USI also organized and led the Road Safety Assessment (RSA) for I-210 at Nelson Rd.** The multidisciplinary/ multi-agency team assessed potential road safety issues and identified opportunities for improvements, through presenting both short-term and long-term solutions.

Level 4 TMP: I-10 west of LA 108 & I-210 Interchange and Level 3 TMP: US 90 Bridge Maintenance over I-10 Ramps at LockMoor

Both of the Transportation Management plans included a safety analysis based on LADOTD guidelines. Crash rates were calculated for each location and compared to LADOTD's statewide averages and to LADOTD's High Potential for Safety Improvements List. Charts were created for each location for LADOTD's records. Crash diagrams were also delivered to document the number, location and type of crashes. Each crash report was reviewed for accuracy.

Members Utilized in this Project Submittal: A. Michel, A. Cooper, B. Perilloux, N. Stewart

Page 17 of 48 Prime consultant name: Urban Systems, Inc.

Firm name	Urban System	าร			Past Performance Evaluation Discipline(s)*				с
Project name	Florida Blvd C	Corridor Stu	dy			Firm responsib	ility (prime or su	b?)	Sub
Project number	20-EN-HC-000	03			Owner's name MoveBR				
Project location	East Baton Ro	ouge Parish			Owner's Project N	Jolie Maberry			
Owner's address,	phone, email	1200 Brick	yard Lane, E	Baton Rouge	e LA 70802, 225-21	5-5175 <i>,</i> Jolie.Ma	berry@stantec.o	com	
Services comment	es commenced by this firm (mm/yy) 5/21 Total				Total consultant contract cost (\$1,000's)			Unkr	างพท
Services complete	ervices completed by this firm (mm/yy) Ongoing Cost o				nsultant services pr	rovided by this fi	rm (\$1,000's)	\$198	3.1

The MoveBR Transportation and Infrastructure Improvements Plan in East Baton Rouge Parish identified a portion of US 190 (Florida Blvd) to improve access for pedestrians and cyclists through intersection and signal improvements, sidewalk connections, and transit stop improvements. The corridor is currently being studied as two independent segments: 22^{nd} St to N Foster St and Cloud Dr to US 61.

Crash reports were obtained from the LADOTD database for a three-year period. The crash reports were reviewed and discrepancies between the report, narrative and drawing were corrected in the LADOTD CatScan Tool. A summary of crash narratives and collision diagrams were prepared. Crash characteristics including type of collision, time of day, severity, roadway, and lighting conditions were compared to statewide averages for similar corridors to assist in identifying trends. A combined review of the crash reports, CatScan outputs, crash narratives and collision diagrams were utilized to identify existing safety issues along the corridor.



Traffic Counts will be collected at the signalized intersections along the study corridor. Base and Projected Conditions will be analyzed and compared. Recommendations to improve pedestrian and vehicle capacity/efficiency will be summarized.

This study is being prepared in accordance with Louisiana Department of Transportation and Development (DOTD) guidelines and policies, including but not limited to the Traffic Engineering Process and Report guidelines, Complete Streets Policy, Engineering Directives and Standards Manual (EDSM), Highway Safety Manual (HSM), DOTDs Design Guidelines and other relevant design manuals and guidelines.

Members Utilized in this Project Submittal: A. Michel, N. Stewart

Page 18 of 48 Prime consultant name: Urban Systems, Inc.

Firm name	Urban System	าร			Pas	Past Performance Evaluation Discipline(s)*				ffic
Project name	LA 447 Stage	1, Environme	ental Asse	ssment,	Safety S	tudy	Firm responsibility (prime or s			Sub
Project number	H. 005734		Owner's	name	LADOT)				
Project location	LA 447, Living	A 447, Livingston Parish, LA				Owner's Pro	ject Manager	Jeff Brown		
Owner's address,	phone, email	1201 Capita	I Access R	d., Bator	n Rouge,	LA 70802, 22	5-379-1401, Jeff	.Brown@LA.Gov		
Services comment	ed by this firm	d by this firm (mm/yy) 12/14 Tot				Total consultant contract cost (\$1,000's)				nown
Services complete	pleted by this firm (mm/yy) 03/17 Cos				f consult	ant services p	rovided by this f	irm (\$1,000's)	\$76)

This project was the Traffic Engineering portion of a Stage 1, Environmental Assessment for improvements to LA 447 from north of Interstate 12 (I-12) to LA 16. The existing corridor included a five-lane section north of I-12, a diamond interchange at I-12 and a two-lane section from I-12 to LA 16. Previous studies identified potential capacity improvements; therefore, the focus of the traffic study was safety. A change in the expected roadway classification, however, required a re-evaluation of the proposed three-lane section south of Buddy Ellis Road.

Detailed crash reports were obtained from the LADOTD database for a three-year period. The crash reports for the section south of Buddy Ellis Road were reviewed and collision diagrams prepared. Crash trends including type of collision, time of day, severity, roadway and lighting conditions were identified. Turn lane warrants were conducted to determine where left and right turn lanes should be considered based on volume and speed. Potential improvements including alternate configurations at key intersections were recommended in lieu of the three-lane section based on the turn lane warrants and crash analysis and in accordance with LADOTD Minimum Design Guidelines. The predictive method was used per the Highway Safety Manual to estimate the crashes with and without potential improvements. A technical report was prepared to document the results.

Crash analysis of the northern section of the corridor and traffic volume projections were prepared for the Noise Analysis. USI also completed a capacity analysis using Synchro, SIDRA and/or VISTRO which was required for alternative refinement. A report was prepared to summarize the findings and to provide analysis documentation.



Members Utilized in this Project Submittal: A. Michel, B. Perilloux, N. Stewart

Firm name	Urba	an Systems			Past Perform	nance Evaluation Discipline(s)*	Traffic	
Project name	oject name North Blvd (I-110 to Foster)				Firm responsibility (prime or sub?)		Sub	
Project number	er 20-018					Owner's name	MoveBR	
Project location		Baton Rouge, LA	L .			Owner's Project Manager	Jolie Maberry	/
Owner's addres	s, pho	one, email	1200 Brickya	ard Lane, Bat	on Rouge LA 70	802, 225-215-5175, Jolie.Maberry@	stantec.com	
Services commenced by this firm (mm/yy)			03/21	/21 Total consultant contract cost (\$1,000's)			Unknown	
Services completed by this firm (mm/yy)			Current	Cost of consultant services provided by this firm (\$1,000's)			\$136	

This project is part of the MoveBR Transportation and Infrastructure Improvements Program which is one of the most significant transportation infrastructure investments in East Baton Rouge Parish in recent history. This project is proposed to enhance pedestrian and bicycle mobility for users traveling along the North Blvd, a main corridor that provides direct assess to several schools and medical facilites, including Baton Rouge Community College and Baton Rouge General Hospital- Mid City Campus.



Urban Systems was tasked with conducting the data collection and the safety analysis that will be incorporated into the final Traffic Study that is being prepared by Evans-Graves. All of the data was collected in Fall of 2021 during the COVID-19 pandemic once data collection restrictions were lifted. To confirm the validity of data, the collected data was compared to historical data. Seven-day 24-hour counts were collected at 3 locations on North Boulveard and 1 location on Foster Drive. These counts were used to identify the peak periods for additional data collection. Peak period turning movement counts with approach counts were collected simultaneously with observations to insure that queues and unmet demad would be captured at each signalized intersction.

Improving the safety along North Boulevard was the primary focus of Urban Systems. The safety analysis of the study area was conducted to identify existing safety issues along the North Blvd corridor that could be considered in the development and evaluation of potential improvements. Three years of vehicular crash reports and five years of pedestrian and bicycle crash reports were reviewed. Data from the collision reports was put into the LADOTD Safety Triage spreadsheet and the Safety Performance Function (SP) was used to evaluate how each roadway segment and intersection was operating relative to safety. Collison diagrams were prepared, and crash tends were identified to assist with the development of safety countermeasures.

Members Utilized in this Project Submittal: N. Stewart, B. Perilloux

Page 20 of 48 Prime consultant name: Urban Systems, Inc.

Firm name	Urb	ban Systems				Past Performance Evaluation Discipline(s)*				Traffic			
Project name	Bri	dge Preventati	ve Maintenan	ce Port Al	len Bridg	ge			Firm responsibili	ity (pri	ime or sub?)		Sub
Project number	oject number H.001234.4 Owner's na				name		LAI	DOTD					
Project location	ject location Port Allen, LA							Owner's Proje	ect Manager	Briar	n Delatte		
Owner's addres	is, pł	none, email	1201 Capitol	Access Ro	ad, Bato	on Roug	e, L/	A 70804, (225)	379-1823, Brian.D	Delatte	@LA.GOV		
Services commenced by this firm (mm/yy) 11/12			Total c	Total consultant contract cost (\$1,000's)				Unk	nown				
Services completed by this firm (mm/yy) 06/16				Cost of	f consul	tant	services provid	ded by this firm (\$	51,000	ľs)	\$62.	.6	

The objective was to conduct a Level 3 Transportation Management Plan (TMP) based on LADOTD EDSM VI.1.1.8 for reconstruction of two (2) bridge structures over the Intracoastal Waterway (ICWW) in Port Allen, Louisiana. A TMP was critical for this location as the LA 1 bridges serve as the major crossing of the ICWW and serves up to 45,000 vehicles per day. An important aspect of this project was identifying how to minimize construction impacts on an already congested roadway section.

Peak intersection turning movements and seven-day hourly volume counts with classification were collected within the study area. Peak intersection capacity analysis was conducted using Synchro software to determine the impact the different phases of construction would have on the subject intersections. A unique part of the capacity analysis was to analyze a non-typical stop-controlled intersection with different gap acceptance values to match field conditions.

A safety analysis was conducted based on the LADOTD's *Guidelines for Crash Data Analysis, June 2014*. Crash rates were calculated for each location and compared to LADOTD's statewide averages and to LADOTD's High Potential for Safety Improvements (formerly the Abnormally High Crash) List. Charts were developed at each location based on collisions by type, injury severity, time and pavement conditions.

An evacuation plan was prepared to minimize work zone impacts, as LA 1 is a critical artery during a hurricane evacuation.

A list of potential stakeholders was developed for a future stakeholder's meeting. The list was crucial for this project as many port related and industrial business are located in the project area and should be informed about the project.



Members Utilized in this Project Submittal: A. Michel, B. Perilloux, N. Stewart

Page 21 of 48 Prime consultant name: Urban Systems, Inc.

Firm name	Urban Systems	S		Past Perfo	rmand	e Evaluation Discipline	s)* Tra	ffic	
Project name	LA 42: Highlan	nd Road at I	Pecue Lane			Firm responsibility (pr)?)	Sub	
Project number	State Project No	о. Н. 012306	.1 F.A.P. No. I	H012306		Owner's name		LADO	TD
Project location	East Baton Rou	uge Parish,	LA		Owne	er's Project Manager	Joshua H	arrouch	
Owner's address,	, phone, email	1201 Capi	tol Access R	oad Baton Rouge	, LA 70)802, 225-242-4640, Jos	shua.Harro	uch@la	.gov
Services commer	nced by this firm	ı (mm/yy)	05/17	Total consultan	t contr	act cost (\$1,000's)		l	Jnknown
Services complet	ed by this firm	(mm/yy)	08/17	Cost of consult	ant ser	vices provided by this fi	rm (\$1,00	0's) \$	\$13.6

The objective of this traffic study was to evaluate the operation and safety at the intersection of Highland Road and Pecue Lane and to develop potential improvements. Traffic conditions were analyzed for the base year and the 2037 design year.

Projected 2037 traffic volumes were based on surrounding growth projections and accounted for the future I-10/Pecue Interchange.

Available crash data for a three (3) year period was reviewed. Each crash report was reviewed to confirm the details and identify underlying causes. Crash trends were identified, and each trend was compared to the statewide averages where applicable. Potential improvements were then identified based on the number and severity of correctible crashes.

Speed data was collected on both approaches of Highland Road. The speed data was evaluated to determine if speeding was an issue in the vicinity of the subject intersection.

Levels of Service/Capacity analyses were conducted for each of the project scenarios. Potential improvements for the 2037 Build conditions were developed based on projected traffic volumes, capacity analysis results, crash trends, and LADOTD standards. Three (3) alternatives were developed and analyzed.

- Alternative 1 Realign Pecue Lane, maintain unsignalized control, add an eastbound left-turn lane and a southbound left-turn lane
- Alternative 2 Realign Pecue Lane and upgrade to signalized control, add an eastbound left-turn lane and a southbound left-turn lane
- Alternative 3 Realign Pecue Lane convert to a roundabout

Proposed lane configurations and storage lengths were provided for each alternative so that the prime consultant could develop geometric layouts used to evaluate other factors such as right-of-way impact, construction cost and environmental impact.

Members Utilized in this Project Submittal: A. Michel, A. Cooper

Page 22 of 48 Prime consultant name: Urban Systems, Inc.

Firm name	Urban Systems	Jrban Systems				Past Performance Evaluation Discipline(s)*			Traffic		
Project name	I-12 Corridor Stag	e 0 Feasibili	ty Study and	Enviro	onmental Inv	ventory	Firm responsibili	ty (pri	me or sub?)		Sub
Project number	SP 700-90-0019	P 700-90-0019 Owner's nat									
Project location	Livingston, St. T	ammany an	d Tangipahoa	Parish	nes, LA	Owner's Proje	ect Manager	Mike	e Aghayan		
Owner's address,	phone, email	1201 Capit	ol Access Roa	d, Bat	on Rouge, LA	A 70802, 225-3	79-1989, Mike.Ag	hayan	@la.gov		
Services comment	rvices commenced by this firm (mm/yy) 09/10				Total consultant contract cost (\$1,000's)				Unk	nown	
Services complete	Services completed by this firm (mm/yy) 11/12 Co				of consultar	it services prov	ided by this firm (\$1,00	0's)	\$19	8

Urban Systems was part of the team that performed a Stage 0 Feasibility Study and Environmental Inventory for needed improvements on approximately 70 miles of Interstate Highway 12 from the town of Walker in Livingston Parish to the I-12/I-59 Interchange in St. Tammany Parish.

A variety of traffic analysis tools were to fully explore the potential improvements for the subject corridor. Traditional capacity analysis and regional transportation modeling were conducted to achieve the most thorough investigation of the existing traffic conditions, development of alternative solutions, and estimation of projected conditions.

Urban Systems used the existing Louisiana Statewide TRANSCAD model, the Capitol Regional Planning Commission's (CRPC) TRANSCAD model and the Regional Planning Commission's (RPC) TRANSCAD model and historic growth rates to develop traffic projections. The RPC model was updated to include all of St. Tammany Parish. Urban Systems was also a part of the project team updating the model and lent its expertise in the I-12 study.

Traditional capacity analysis provided the before/after level of service and delay estimates as required by FHWA and the NEPA process.

Safety was a primary concern for the subject I-12 corridor. The crash history indicated an abnormal number of roadway departure crashes had occurred in recent years and that the number of fatalities was far beyond that of similar sections of freeway around the state. In addition to addressing traffic congestion and projected traffic demands, the corridor was being studied extensively to determine what roadway features may have contributed to crashes. The identification of high crash areas and development of potential countermeasures resulted in short term improvements along the corridor that could be deployed separately from major construction projects to address safety and reduce the number of lives lost on this section of roadway.

Members Utilized in this Project Submittal: N. Stewart, A. Michel, A. Cooper

<complex-block>

Page 23 of 48 Prime consultant name: Urban Systems, Inc.

Firm name	Urban Systems	Jrban Systems				mance Evaluat	ion Discipline(s)*		Traffic		
Project name	Statewide Stage () Feasibility	Study for LA	156, C	Calvin to US 167 Firm responsibility (prime			ime or sub?)		Sub	
Project number	SP H.010081.1	P H.010081.1 Owner's nar									
Project location	Winn Parish, LA	Winn Parish, LA				Owner's Proje	ect Manager	Conr	nie Porter Be	etts	
Owner's address,	phone, email	1201 Capit	ol Access Roa	d Bato	on Rouge, LA	70804, 225-37	79-1297, Connie.P	orter@	@la.gov		
Services commen	ced by this firm (mm/yy) 04/13				Total consultant contract cost (\$1,000's)				Unkr	nown	
Services complete	es completed by this firm (mm/yy) 04/14 C				of consultar	t services prov	vided by this firm (\$1,00	0's)	\$32	

The objective of this Stage 0 study was to assess the feasibility of making safety or other improvements to LA 156 between LA 501 and LA 167 in Winn Parish, Louisiana. The initial tasks included collecting 24-hour machine counts along the corridor and turning movement counts (AM and PM peak) at the major intersections.

Detailed crash data was reviewed, and crash rates were estimated based on LADOTD policies to find any abnormalities. The Urban Systems team worked closely with the prime consultant to identify specific safety deficiencies and brainstorm potential mitigating improvements to reduce correctible crashes.

Potential improvements included implementing low-cost safety measures such as adjusting/combining existing curbs. Other low-cost safety improvements identified by the Urban Systems team included adding advance warning signs for curves per the *MUTCD*, installing additional pavement markings and adding rumble strips. Three (3) concepts were determined and compared using the predictive method per the *Highway Safety Manual* (HSM), 1st Edition for both roadways and intersections.

Brandon Perilloux conducted the analysis under the supervision of Alison C. Michel who was responsible for QA/QC on the project. Other Urban Systems team members assisted with various tasks such as data collection, preparation of graphics and report preparation.

Members Utilized in this Project Submittal: A. Michel, B. Perilloux



Page 24 of 48 Prime consultant name: Urban Systems, Inc.

Firm name	Crescent Engineering & Ma	oping, LLC	Past Performance EvaluationRoad, BridgeDiscipline(s)*
Project name	LA 3127 Extension (LA 70 to	LA 1)	Firm responsibility (prime or sub?) Sub
Project number	r ENG-17-013	Owner's nam	me Ascension Parish Government
Project location	Donaldsonville, LA		Owner's Project Manager Joey Tureau, P.E.
Owner's addres	ss, phone, email 42077 Chur	chpoint Rd., G	Gonzales, LA 70737, 225.450.1326, Joey.Tureau@apgov.us
Services comm	nenced by this firm (mm/yy)	09/21 1	Total consultant contract cost (\$1,000's)\$1,025
Services comp	leted by this firm (mm/yy)	Ongoing (Cost of consultant services provided 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 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 assistance for the Environmental Assessment, bridge design services for the line and grade study and preliminary plan development and Quality Control reviews for the EA including roadway geometrics and cost estimates.

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

*Bridge, Road Stage 0, NEPA





18. Approach and Methodology:

Urban System's Background in Safety Studies for LADOTD

The LADOTD (Department) and Urban Systems (USI) have successfully completed numerous projects under IDIQ/Retainer Contracts since 2002. Using IDIQ Contracts allows the Department to fast-track important studies and the design of construction projects over a multiple year period with a team of consultants who, as partners, can collaborate and increase efficiencies with each issued Task Order.

The focus of this particular IDIQ Contract is for safety studies and the design of safety related improvements. **USI previously held an LADOTD Safety Studies Statewide Retainer** in 2007. Under our first Task Order, USI completed safety studies in Alexandria, Baton Rouge, Houma, Leesville and Natchitoches. Six (6) additional Task Orders were successfully completed and were effectively managed by the various District Traffic Operations Engineers (DTOEs).

The last Task Order was initiated to implement a systemic approach to safety improvements. It included identifying and designing Low-Cost Safety Improvements at Intersections and Curves in Districts 02, 61 and 62. In all USI, studied **one hundred fourteen (114) intersections and nine hundred sixty-nine (969) curve sites.** The resulting deliverables were plan sets that were among the first of their kind, and all went to construction.



Urban Systems has more than forty-seven (47) years of experience providing Professional Traffic Engineering and Transportation Planning Services and has previously provided the same services to LADOTD as sought for this IDIQ. **USI's staff members are led by engineers with 25 to 30+ years of experience who are well versed in balancing operations and safety and performing quantitative analyses using the Highway Safety Manual and other publications.** USI's staff remains on the cutting edge of the profession, utilizing the latest technologies available and having four (4) Professional Traffic Operations Engineers and two (2) Certified Road Safety Professionals (RSP1), the latter of which are seeking their RSP2 certifications this year.

Project Kick-Off Meeting and Scoping

Upon successful selection and contract execution, the USI Project Manager will coordinate with the Department's Project Manager to hold a general project kick-off meeting for the IDIQ contract and learn where USI can assist in developing potential Task Orders. Once a Task Order is identified, a specific kick-off meeting will be held to learn about the specific project history and identified objectives. 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. 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. Based on the discussion and input, USI will prepare a detailed scope and manhour estimate.

Project Schedules

For each Task Order issued, the USI team will prepare a draft schedule including major milestones (meetings, data collection, field inventories/site visits, submissions based on the Traffic Engineering Process and Report policy, review periods and final deliverables). USI's vast experience with similar projects and understanding of the critical path will result in project schedules which are achievable but expeditious in delivery. This includes scheduling data collection around holidays and school closure periods and providing ample time for scheduling stakeholder meetings, while being as efficient as possible by overlapping tasks that are not dependant on others.

Stage 0 Feasibility Studies

USI's staff has extensive experience in conducting Stage 0 Feasibility Studies directly for the Department and for a multitude of other agencies which ultimately required Department approval. A quick review indicated that **USI has completed more than thirty-two (32) Stage 0 projects in no less than fifteen (15) parishes and for seven (7) cities in addition to other agencies** such as the Regional Planning Commission, New Orleans Regional Transit Authority, Baton Rouge Green Light Program, the Port of New Orleans and the Louis Armstrong Airport. USI's experience with multiple agencies statewide is a valuable asset to the Department for this IDIQ.

All USI staff have been involved in Stage 0 Feasibility Studies that required various levels of data collection, operational analysis and most importantly, quantitative based safety analysis using the methods in the AASHTO Highway Safety Manual (HSM). Both utilization of the predictive method and identification of Crash Modification Factors are skills that the USI engineers have practiced over many years since the HSM was first introduced.

To further enhance the experience and skill sets of the project team, Crescent Engineering & Mapping, LLC (Crescent) provides the expertise of Dennis M. Hymel, Jr., PE. Dennis has been providing Professional Engineering Services to the Department for over fifteen (15) years. In addition to adding experience in preparing the required Stage 0 Preliminary Scope and Budget Checklist, his extensive knowledge of geometric design, bridge design, utilities and environmental considerations will assist with **project recommendations which account for all aspects of project delivery**. His thorough understanding of cost estimation for everything including right-of-way, surveying, engineering, utility relocation and construction has enabled him to successfully deliver many projects for LADOTD ranging from Stage 0 to final design plans and assisting in construction.

Road Safety Assessments

Road Safety Assessments (RSAs) are an excellent approach to evaluate road safety issues and identify opportunities for short term low-cost safety improvements. The Department has a formalized procedure for conducting the RSAs, and the key strategy is to involve a multi-disciplinary / multi-agency team. Including various agency engineers, maintenance workers and law enforcement brings different perspectives that can be essential

Page 27 of 48 Prime consultant name: **Urban Systems, Inc.**

to truly understand what contributes to safety concerns. These stakeholders provide valuable insight into the unique aspects (which are always present) of the infrastructure in question. The contributions of the locals are essential because they are intimately familiar with the specific details from driving it every day.

USI staff has enjoyed many long-lasting relationships with Department professionals that will hopefully make these RSA field visits a pleasant day on the job for all. The goal is for the team to reach a consensus regarding recommended countermeasures. USI staff's many experiences working with a large number of other consultants, different types of agencies and people with a range of personalities and communication styles will be beneficial to successfully achieving an agreement among those involved.

The Department's RSA procedure is clearly written with more than adequate detail. This will allow USI to deliver a quality report that can be used to improve safety for the travelling public.

Development of Plans, Specifications and Engineer's Estimate for Low-Cost Safety Improvements

The USI staff is uniquely qualified for this particular aspect of the IDIQ contract. As previously mentioned, USI has already prepared plans, specifications and cost estimates for Low-Cost Safety Improvements in three (3) Districts for the Department. Additionally, **USI recently completed the design of low-cost safety improvements at one hundred sixty-four (164) intersections** as a Task order under an IDIQ Traffic Engineering Contract with the Mississippi Department of Transportation (MDOT). While MDOT's standards, specifications, pay items and other requirements varied from the Department's, USI staff was able to successfully navigate the differences. **Collaboration with the MDOT staff resulted in USI producing the construction documents ahead of schedule and under budget.**

Another requirement of this task may include preparing roadway design plans for geometric modifications. While USI is typically known for our expertise in Traffic Engineering and Transportation Planning, we have also been preparing roadway widening and/or reconstruction plans for over twenty (20) years. All of USI engineers are licensed in Civil Engineering and have **completed road design projects from conception through Design and Construction Administration**. While many of USI's road design projects have been via LADOTD permit for local governments and private clients, USI has also completed federally funded projects managed by the Department that required plans and specs per the Department's Road Design Procedures and Details.

The addition of Crescent to the team will provide another layer of expertise regarding plan preparation and project delivery. Crescent's team, and specifically the lead Dennis Hymel, Jr. P.E., has a long-standing history of producing outstanding roadway and bridge plans for LADOTD on high profile projects and under tight time constraints. Crescent is a **fully integrated transportation team utilizing all LADOTD required software including Microstation/Inroads, CadConform and ProjectWise**. Depending on the task, Crescent's role may be to assist with managing USI staff, to produce plans, prepare cost estimates and/or to perform QA/QC as a fresh set of eyes.

Safety Effectiveness Evaluation

The Department followed FHWA guidance by implementing systemic safety projects to address specific types of crashes. An example is the project USI designed with low-cost safety improvements to reduce roadway departures on rural curves in three (3) Districts. The improvements involved shoulder widening, safety edges, rumble strips, striping and signage. The purpose of the Safety Effectiveness Evaluation in this IDIQ will be to evaluate the success of these type of systemic safety improvement projects.

The HSM defines procedures for performing a safety effectiveness evaluation and this task is perfect for USI staff due to their familiarity with applying strategies from the HSM. It is anticipated that a review and comparison of crash histories before and after the implementation of the Low-Cost Safety improvements, or others, will be required. A comparison of the cost of improvements compared to the reduction in crashes will be an important metric for decision makers to use moving forward when prioritizing the use of limited funds.

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 safety projects of all types for a wide range of clients over many years will be a valuable asset to the Department for this specific Safety focused IDIQ 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 on this Safety IDIQ 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	CE&I / OV	H.004791	Belle Chasse Bridge & Tunnel	\$116,574
USI	Traffic	H.011309.5	Mac Arthur Final Design	\$30,687
USI	Traffic	H.012812	US 190: Northshore and Camp Villere	\$22,028
USI	Traffic	H.004891	Reserve to I-10 Connector	\$54,482
USI	Traffic	H.010571	Williams Traffic Signal Design	\$22,750
USI	Traffic	H.011965.5	IWGO Bridge Rehabilitation TMP	\$6,826
Crescent				N/A

(Add rows as needed)

DO NOT SUM

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

** Round to the nearest dollar. <u>**Do not**</u> round to the nearest thousands. If there are no active contracts with a remaining unpaid balance, place N/A in the Remaining Unpaid Balance column. LEAVING THE "REMAINING UNPAID BALANCE" COLUMN BLANK IS NOT ACCEPTABLE.

20. Certifications/Licenses:

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





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

Name:	Public Address:
Urban Systems, Inc.	Ms. Alison Marie Catarella 2000 Tulane Avenue, Suite 200 New Orleans,LA 70112

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0001342	2 ACTIVI	E 09/22/1986	03/31/2023	Ms. Alison Marie Catarella Michel # PE.0030261 - Active Ms. Nicole Harris Stewart # PE.0034750 - Active

Page 31 of 48 Prime consultant name: Urban Systems, Inc.



Office of the Secretary PO Box 94245 | Baton Rouge, LA 70804-9245 PH: 225-379-1200 | FX: 225-379-1851

John Bel Edwards, Governor Shawn D. Wilson, Ph.D., Secretary

March 16, 2021

Urban Systems Associates, Inc. Alison Catarella-Michel, President 2000 Tulane Avenue, Suite 200 New Orleans, LA 70112

Dear Alison Catarella-Michel:

We have received your firm's Disadvantaged Business Enterprise (DBE) and Small Business Element (SBE) annual affidavit. Based on the information which you provided we have concluded that your firm continues to meet the eligibility requirements of our program and remains certified for <u>only</u> the following <u>specific</u> work categories <u>that fall under the listed NAICS codes</u>:

- NC541330 Engineering Services NC541340 – Drafting Services NC541990 – All Other Professional, Scientific and Technical Services C03 – Drafting
 - C09 Civil Engineering
 - C11 Planning
 - C14 Transportation Planning
 - **C21 Construction Inspections**
 - C33 Traffic Counting and Data Collection
 - C43 Computer Assisted Drafting
 - C74 Construction Management
 - C96 Traffic and Transportation Engineering

Please note that per the federal regulations, suppliers only receive 60% goal credit towards the materials they provide. Also note that A Louislana Contractor's License is required by any contractor performing work in excess of \$50,000 with the exception of electrical, mechanical and plumbing which are required to have a license if work is in excess of \$10,000. You may contact the State Licensing Board for Contractors at (225) 765-2301 for more information. Your firm's certification will be recognized by all participants of the Louisiana Unified Certification Program. This includes all entities receiving federal transportation funding within the boundaries of our state.

You will be required to submit an annual affidavit with all supporting documents (Business taxes with all attachments, such as 1098, 1099, K-1's and/or W-2's) stating your firm continues to meet the eligibility requirements of the program. An email informing you to submit the necessary documentation will be forwarded to you approximately six (6) weeks prior to your anniversary date of February 28, 2022. However, should you not receive notification from this office for your annual affidavit, it is your responsibility to contact us. Additionally, you must notify our office immediately regarding any changes which affect the social and economic disadvantage, size, ownership or control of your firm.

Louisiana Department of Transportation and Development | 1201 Capitol Access Road | Baton Rouge, LA 70802 | 225-379-1200 An Equal Opportunity Employer | A Drug-Free Workplace | Agency of Louisiana.gov | dotd.la.gov Urban Systems Associates, Inc. March 16, 2021 Page 2

The Department has contracted with Urban League of Louisiana Center for Entrepreneurship & Innovation to provide DBE Supportive Services to all certified DBEs. This consultant can offer your firm assistance and guidance on areas such as marketing, estimating, bidding, financial preparations, etc. Please feel free to contact Klassi Duncan with Urban League of Louisiana Center for Entrepreneurship and Innovation at (504) 620-9647 for any assistance needed to grow your organization.

We reserve the right to withdraw this certification, if at any time, it is determined that **DBE and SBE** certifications was knowingly obtained by the submission of false, misleading or incorrect data. We further reserve the right to request additional information and/or conduct an on-site visit at any time during your certification period.

If further assistance is needed, please don't hesitate to contact the Shirley Ard at (504) 376-0233

Respectfully,

Ronda Walla

Rhonda Wallace DBE/SBE Programs Manager

Louisiana Department of Transportation and Development | 1201 Capitol Access Road | Baton Rouge, LA 70602 | 225-379-1200 An Equal Opportunity Employer | A Drug-Free Workplace | Agency of Louisiana.gov | dotd.la.gov

Page 32 of 48

Prime consultant name: Urban Systems, Inc.



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

	VVDEIN®	
	WOMEN'S BUSINESS ENTERPRISE NATIONAL COUNCIL	
	JOIN FORCES. SUCCEED TOGETHER.	
WOMAN OWNED S	HEREBY GRANTS Small Business (WOSB)	CERTIFICATION TO
URBAN SYSTEM	MS ASSOCIATES, INC. DBA U	Jrban Systems, Inc.
The identified small business is an eligible V	VOSB for the WOSB Program, as set forth in 13 C.	F.R. part 127 and has been certified as such by a
The identified small business is an eligible V SBA approved Third Party Certifier pu The WOSB Certification expires on the date her WOSB that makes the WOSB ineligible. If eith status to any other party, including any loca	WOSB for the WOSB Program, as set forth in 13 C.1 rsuant to the Third Party Agreement, dated June 30, ein unless there is a change in the SBA's regulation that 1 er occurs, this WOSB Certification is immediately invali d or State government or contracting official or the Feder	F.R. part 127 and has been certified as such by an 2011, and available at www.sba.gov/wosb. makes the WOSB incligible or there is a change in the d. The WOSB must not misrepresent its certification al government or any of its contracting officials.
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May 25, 2021

RE: Notice of WOSB Certification Granted

ALISON MICHEL URBAN SYSTEMS ASSOCIATES, INC. DBA Urban Systems, Inc. 2000 Tulane Avenue Suite 200 NEW ORLEANS, LA 70112

Dear ALISON MICHEL:

Congratulations! It is the decision of the Women's Business Enterprise Council South to grant WOSB re-certification to URBAN SYSTEMS ASSOCIATES, INC. DBA Urban Systems, Inc.. You may now log into WBENCLink to download a copy of your new WOSB certificate using the directions below.

Page 34 of 48 Prime consultant name: **Urban Systems, Inc.**

DIVISION OF SMALL BUSINESS SERVICES
This certification acknowledges that
Urban Systems Associates, Inc.
DBA: Urban Systems, Inc.
is Certified-Active as a Small Entrepreneurship with Louisiana Economic Development's Hudson Initiative.
This certification is valid from 6/21/2021 to 6/21/2022 .
Certification No. 19041
Stephanie Hartman, Director, Entrepreneurial Services

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	New Orl	eans	s, LA 70112				INSUR	RE				
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Α	X COMMERCIAL	ENER	RAL LIABILITY			20SBWBR1390		11/01/2021	11/01/2022	EACH OCCURRENCE	\$1,00	00,000
	CLAIMS-M	DE	X OCCUR							PAMAGE TO RENTED PREMISES (Ea occurrence)	\$1,00	00,000
										MED EXP (Any one person)	\$10,0	000
										PERSONAL & ADV INJURY	\$1,00	00,000
	GENL AGGREGATE	LIMIT /	APPLIES PER:							GENERAL AGGREGATE	\$2,00	00,000
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	OTHER:										\$	
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	ANY PROPRIETOR/P	RTNE	RIEXECUTIVE	N/A						E.L. EACH ACCIDENT	\$1,00	00,000
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	If yes, describe under DESCRIPTION OF OF	ERAT	IONS below							E.L. DISEASE - POLICY LIM	т ş1,00	00,000
For	CRIPTION OF OPERAT	Purp	OCATIONS / VEH	ICLES ()	ACORI	D 101, Additional Remarks Sched	lule, may	be attached if mo	ore space is requ	(bed)		
CEF	RTIFICATE HOLD	ER					CANO	ELLATION				
Urban Systems, Inc 2000 Tulane Avenue, Suite 200 New Orleans, LA 70112						LED BEFORE JVERED IN						
	I						AUTHO	RIZED REPRESE	NTATIVE			
ACO	ORD 25 (2016/03)	2024	1 of 1 Th	e ACC	ORD	name and logo are regist	tered m	© · arks of ACO	1988-2015 A RD	CORD CORPORATION	. All righ	nts reserved.
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ACORD	CER	RTIF	ICATE OF LIA	BILI	TY INSU	JRANC	E	DATE	(MM/DD/////)
THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.									
IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on									
this certificate does not confer r	ghts to the	certifi	icate holder in lieu of such	n endor	sement(s).	and and a la			
Involver Aubert									
PAPPALARDO AGENCY, INC. (405, No): (405, No)): (985) (574-0971		
2020 N Causeway Ste 1A ADDREss: al@insureLa.com							NAIC #		
Mandeville LA 70471 INSURERA: CNA-VALLY FORGE INS CO									
INSURED				INSURE	RB:				
Urban Systems Associa	tes, Inc.			INSURE	RC:				
2000 Tulane Avenue St	ite 200			INSURE	RD:				
				INSURE	RE:				
New Orleans			LA 70112	INSURE	RF:				
COVERAGES	CERTIFI	CATE	NUMBER: CL219100014	6			REVISION NUMBER:		
THIS IS TO CERTIFY THAT THE POLIC	IES OF INSU	RANC	E LISTED BELOW HAVE BEEN	ISSUED	TO THE INSU	RED NAMED A	BOVE FOR THE POLICY PE	RIOD	
INDICATED. NOTWITHSTANDING AN	REQUIREM	ENT, T	ERM OR CONDITION OF ANY	CONTRA	ACT OR OTHER	R DOCUMENT I	WITH RESPECT TO WHICH	THIS	
CERTIFICATE MAY BE ISSUED OR MU	Y PERTAIN, T	HE IN	SURANCE AFFORDED BY THE	E POLICI	ES DESCRIBE	D HEREIN IS S	UBJECT TO ALL THE TERN	NS,	
NER	ADD	SUBR		The boo	POLICY EFF	POLICY EXP			
LTR TYPE OF INSURANCE	INSE	WVD	POLICY NUMBER		(MWDDmmm)	(MM/DD/////)	LIN	ITS	
COMMERCIAL GENERAL LIABILIT	·						EACH OCCURRENCE DAMAGE TO RENTED	\$	
CLAIMS-MADE OCCI	R						PREMISES (Ea occurrence)	\$	
							MED EXP (Any one person)	\$	
^							PERSONAL & ADV INJURY	\$	
GENLAGGREGATE LIMIT APPLIES PER							GENERAL AGGREGATE	\$	
POLICY PRO- JECT LO	c						PRODUCTS - COMPIOP AGG	\$	
OTHER:							Employee Benefits	\$	
AUTOMOBILE LIABILITY							COMBINED SINGLE LIMIT	\$	
ANY AUTO							BODILY INJURY (Per person)	\$	
OWNED SCHEDU	ED						BODILY INJURY (Per accident)	\$	
HIRED NON-OW	ED						PROPERTY DAMAGE	5	
	NLY						(rel accident)	5	
UMBRELLA LIAB	_	+						-	
EXCESS LIAB	R						EACH OCCURRENCE	3	
	IS-MADE						AGGREGATE	•	
WORKERS COMPENSATION		+					PER OTH-	\$	
AND EMPLOYERS' LIABILITY	Y/N						STATUTE ER	-	
OFFICER/MEMBER EXCLUDED?	= N/A	4					E.L. EACH ACCIDENT	\$	
(Mandatory in NH) If yes, describe under							E.L. DISEASE - EA EMPLOYER	E \$	
DESCRIPTION OF OPERATIONS below							E.L. DISEASE - POLICY LIMIT	\$	00.000
A Professional Liability			AEH 00 6088134		09/08/2021	09/08/2022	Annual Aggregate	\$2,0	00,000
DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached If more space is required)									
CERTIFICATE HOLDER				CANC	ELLATION				
CENTIFICATE HOLDEX CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.									
			•	AUTHO	RIZED REPRESEN	TATIVE			
AUTOMIZED REPRESENTATIVE									
and the state of									

ACORD 25 (2016/03)

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Page 36 of 48 Prime consultant name: Urban Systems, Inc.





Page 37 of 48 Prime consultant name: Urban Systems, Inc.



Professional Development

Hours (PDHs) Awarded: 4

aly Samle



Page 38 of 48 Prime consultant name: Urban Systems, Inc.







Page 39 of 48 Prime consultant name: Urban Systems, Inc.

Certificate of Completion	Certificate of Completion
Christine Darrah	Christine Darrah
for completing the	for completing the
Traffic Engineering Analysis Process & Report Module 1	Traffic Engineering Analysis Process & Report Module 2
Date: October 7, 2020 Professional Development Location: Baton Rouge, Louisiana Hours (PDH6), Awarlad: 2.5	Date: October 7, 2020 Professional Development Location: Baton Rouge, Louisiana Hours (PDH2) Awardod: 3.5
Ally Heleric Automation Pathonico Rathonico Rathonico Instructor	Joly Helevie Just Harrie - July Journal - July Jour

Certificate of Co	ompletion							
Christine Da	Christine Darrah							
for completing th	ne							
Traffic Engineering Analysis Process & Report Module 3								
Date: October 8, 2020 Coortion: Baton Bourge Louisiana	Professional Development Hours (BDHs) Russeled: 3.5							
John Scherier Autobriers Autobriers Units	uctor Authorized instructor							

Page 40 of 48 Prime consultant name: Urban Systems, Inc.





Page 41 of 48 Prime consultant name: Urban Systems, Inc.







Page 42 of 48 Prime consultant name: Urban Systems, Inc.

Certificate of Con	npletion
Nicole Stewa	rt
for completing the	
Traffic Engineering Analysis P Module 1	rocess & Report
Dete: January 14, 2019 Location: Baton Rouge, Louisiana	Orofassional Development Hours (PDIs) Awarded: 2
Joly J Cline Richonson Anthenical Instructor	or Ruthorized instructor
DOID	





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



Page 44 of 48 Prime consultant name: Urban Systems, Inc.



Page 45 of 48 Prime consultant name: **Urban Systems, 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
Crescent Engineering & Mapping, LLC	P.O. Box 370 Vacherie, LA 70090	Dennis Hymel, P.E.	225-329-1742

(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.

Not required by the RFQ.