

DOTD FORM: 24-102 DEBRIS MONITORING

(Feb. 1, 2022)

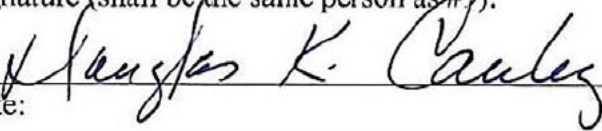
PROPOSAL TO PROVIDE CONSULTANT SERVICES FOR DEBRIS MONITORING

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 DEBRIS MONITORING STATEWIDE
2. Contract number(s) as shown in the advertisement	4400023722 AND 4400023723
3. State Project Number(s), if shown in the advertisement	N/A
4. Prime consultant name (as registered with the Louisiana Secretary of State where such registration is required by law)	Metric Engineering, Inc.
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	36982556F
6. Prime consultant mailing address	13940 SW 136th Street, Suite 100 Miami, FL 33186
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	1821 Commercial Drive, Suite S Harvey LA 70058
8. Name, title, phone number, and email address of prime consultant's contract point of contact	John Lopez, Director of Emergency Management, (504) 381-5324, john.lopez@Metriceng.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Douglas K. Cauley, PE, Executive Vice President, (850) 638-2393, doug.cauley@Metriceng.com

<p>10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.</p>	<p>Signature (shall be the same person as #9):  Date: <u>3-14-22</u></p>	
<p>11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.</p>	<p><u>Firm(s):</u> N/A</p>	<p><u>Firm(s)' %:</u></p>

12. Overall Contract Percentage(s):

Sub-consultants are allowed to be used for this proposal. The percentages for the prime and sub-consultants must total 100% for the overall total percent of the contract.							
Prime	Firm B	Firm C	Firm D	Firm E	Firm F	Firm G	Percent of Work for Overall Contract
Metric Engineering, Inc. (Metric)							65%
	The Workforce Group (TWG)						20%
		Metric Consulting, LLC (MCL)					10%
			Volkert, Inc. (Volkert)				5%
Identify the percentage of work for the <u>overall contract</u> to be performed by the prime consultant and each sub-consultant.							

13. Firm Size:

Firm name	Job Classification	Number of personnel committed to this contract	Total number of personnel available in this Job Classification (if needed)
Metric	Contract Manager	1	5
Metric	EOC Liaison	2	5
Metric	Monitor Supervisor	7	85
Metric	Disposal Site Monitor	5	30
Metric	Roadway Monitor	30	365
Metric	Office Supervisor	1	5
Metric	GIS/Data Analyst	2	10
Metric	Office Support	2	5
TWG	Monitor Supervisor	2	10
TWG	Disposal Site Monitor	1	12
TWG	Roadway Monitor	10	100
TWG	Office Support	0	1
MCL	Monitor Supervisor	1	10
MCL	Disposal Site Monitor	0	6
MCL	Roadway Monitor	5	50
MCL	Office Support	0	1
Volkert	Monitor Supervisor	0	5
Volkert	Disposal Site Monitor	0	3
Volkert	Roadway Monitor	5	25
Volkert	Office Support	0	1

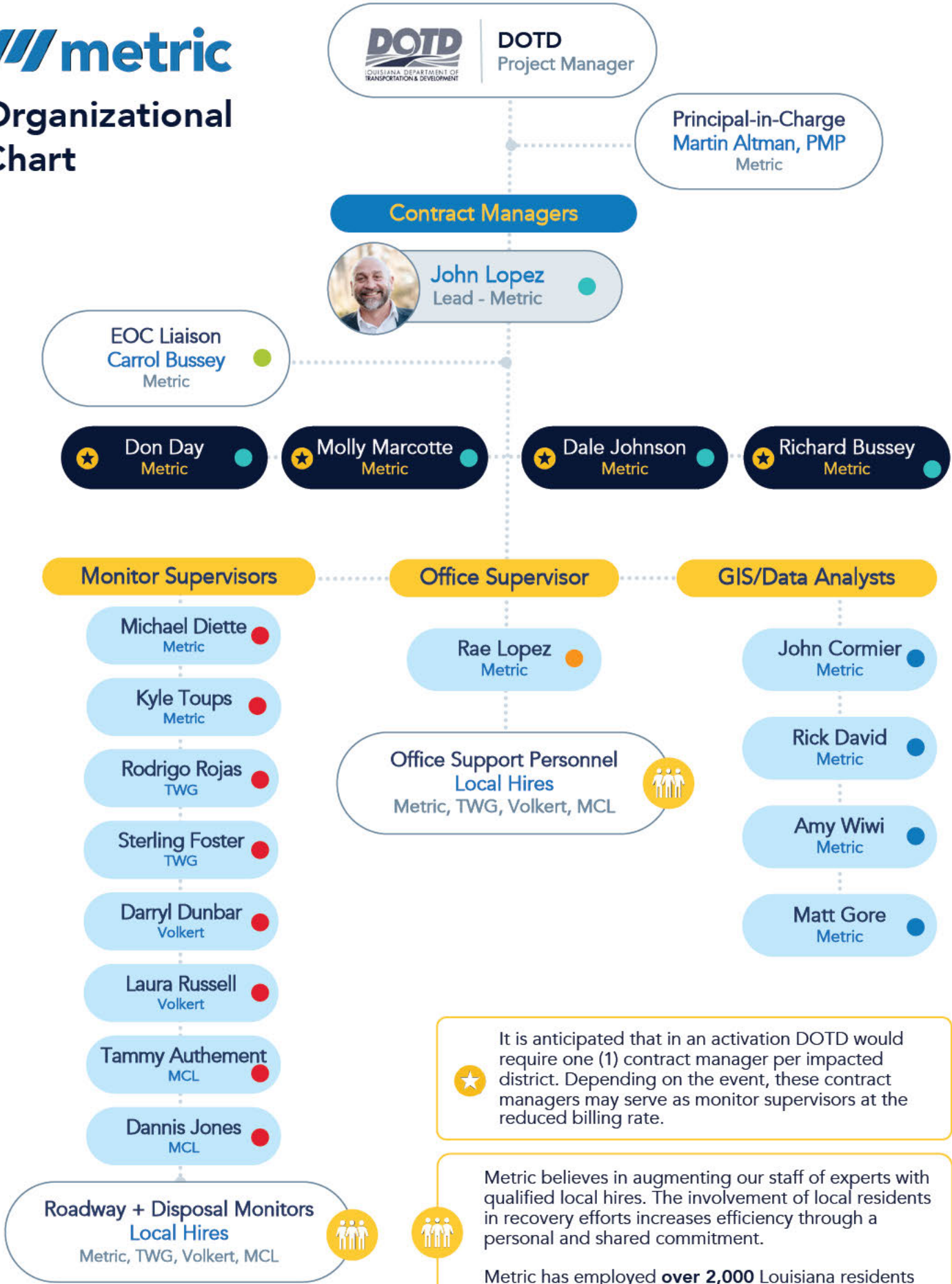
*Assumptions made: Column 1 represents a typical activation, with 1 district impacted and 50 roadway monitors, and column 2 represents a major activation with multiple districts impacted and 540 roadway monitors. Metric can scale up beyond these figures if required.

14. Organizational Chart:

Please find on the following page.

metric

Organizational Chart



Team Experience	Debris Experience						Certifications			
	Years	# Activations	Hurricane	Flooding	Wildfire	Ice Storm	FEMA G/E-202	ATSSA Supervisor	FEMA Guid. Docs	GIS Professional
Name										
M. Altman ▶ (MPR 1)	20	65	•	•	•	•	•		•	
J. Lopez ▶ (MPR 2)	20	18	•	•	•	•	•	•	•	
D. Day	10	9	•	•	•	•	•	•	•	
M. Marcotte	18	15	•	•	•	•	•	•	•	
D. Johnson	18	10	•	•	•	•	*	•	•	
R. Bussey	18	13	•	•	•	•	•	•	•	
C. Bussey	12	6	•	•	•	•		•	•	
M. Diette ▶ (MPR 4)	4	4	•	•			*	•	•	
K. Toups	5	4	•	•	•		*		•	
R. Rojas	7	4	•	•	•	•		•	•	
S. Foster	5	4	•	•	•	•		•	•	
D. Dunbar	12	4	•					•	•	
L. Russell	5	4	•					•	•	
T. Authement	17	10	•	•	•	•	*	•	•	
D. Jones	5	6	•	•	•	•	*	•	•	
R. Lopez ▶ (MPR 3)	18	16	•	•	•	•		•	•	
J. Cormier	19	13	•	•	•	•	*	•	•	
R. David	10	6	•	•	•	•	*	•	•	
A. Wiwi	14	6	•							•
M. Gore	11	4	•							•

- Legend
- Contract Managers
 - Office Supervisor
 - Monitor Supervisors
 - EOC Liaison
 - GIS/Data Analysis
 - ▶ Staff used to meet minimum personnel requirements of RFP.
 - * Currently on the waiting list for FEMA G/3-202 training.

Team Highlights

- ✓ This is a **proven** team. All firms have worked together on multiple recovery activations including for DOTD.
- ✓ The personnel listed here are the staff that will be working on your project, and they will be committed for the entire duration of the project. There will be **NO** "bait and switch."
- ✓ Metric does not hold any other pre-event contacts in Louisiana and our staff will be **available** when needed.
- ✓ This team has overseen the removal of more than **60M CY** (36M for DOTs) of debris on **15 federally declared natural disasters**.
- ✓ All contract managers and monitor supervisors are knowledgeable of debris management standard operating procedures and have relevant Louisiana and DOTD experience which exceeds the requirements of the RFP.

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	Martin Altman	Metric	N/A	N/A	N/A
2	John Lopez	Metric	N/A	N/A	N/A
3	Rae Lynn Lopez	Metric	N/A	N/A	N/A
4	Michael Diette	Metric	N/A	N/A	N/A

(Add rows as needed)

16. Staff Experience:

Martin Altman, PMP, Principal

Firm employed by: Metric				
Name	Martin Altman		Years of relevant experience with this employer	0
Title	Vice President of Emergency Management and Long-Term Recovery		Years of relevant experience with other employer(s)	35
Degree(s) / Years / Specialization			BS / 4 / Fire Protection Engineering	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			Principal / Mr. Altman has more than 35 years of leadership experience managing and implementing disaster planning and recovery program management for public and private sector clients. He has been involved in 65 activations over the course of his career. He oversees Metric's emergency management division.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
01/21 – 03/22	Lead Critical Infrastructure Advisor SME: Springfield Utility Board: Mr. Altman is lead Critical Infrastructure Advisor SME for the team providing comprehensive recovery services including FEMA grant management, damage assessments, project formulation and development, regulatory compliance, and procurement services. He also provides guidance for the development of mitigation strategies to strengthen critical infrastructure to be more resilient against future damage, aligning resiliency strategies to meet community lifeline criteria, and expertise for development of Wildfire Management Plan.			
01/15 – 01/20	Project Manager, Superstorm Sandy: Mr. Altman managed a multimillion-dollar contract that provides project management, federal and FEMA compliance oversight, and financial closeout services for PSEG/LIPA for a \$729 million Section 428 Capped Grant to harden 1.025 miles of power distribution, part of a \$1.4 billion mitigation project.			
01/14 – 01/15	Associate Project Manager, Superstorm Sandy, Town of North Hempstead: Mr. Altman managed a team of project specialists and engineers to develop projects to fund dredging, enhance with mitigation the harbor and dock structures, improve tidal flow ponds, and repair the dock to current codes and standards. This project improved the harbor and dock structure, which resulted in a hardened facility and economic development for the town. In addition, he developed PA projects to complete damaged shorelines from storm surge, rebuilding basins and seawalls. He worked on upgrades to the town's dock in Port Washington. He also worked with NY DHSES and FEMA, increasing the original costs of projects from \$19 million to final costs of \$90 million.			

01/09 – 01/11	Program Manager, Hurricane Katrina, PA Recovery Services, City of New Orleans: Mr. Altman led the PA specialist staff, working with the Governor’s Office of Homeland Security & Emergency Management and FEMA to do the following: identify damages caused by Katrina, write PWs and versions of previously written PWs, identify hazard mitigation opportunities, identify alternate projects and improve existing ones, and resolve insurance issues. He also successfully wrote appeals for FEMA reconsideration of eligibility determinations and to get them overturned, and he procured the City 57 new facilities based on the >50% rule for facility replacements. He also developed the Grant Management and Closeout program for the city.
01/05 – 01/09	FEMA PA Infrastructure Branch Director, Florida Long Term Recovery Office: As director, Mr. Altman established PA tactics to meet the mission strategies and objectives to implement the recovery operations and close out nine presidential declarations of the 2004 and 2005 hurricane seasons in the State of Florida. He managed the oversight of 4,000 applicants and development of more than 36,000 smaller projects and more than 6,000 large projects. He developed more than \$14 million for Sections 404 and 406 Hazard Mitigation projects for Mt. Sinai, Miami, FL. He provided direction and approval of \$156 million of 406 Hazard Mitigation and PA funding to rebuild the Emerald Coast Utilities Authority Wastewater Treatment Facility in Pensacola, FL, worth more than 125 appeals in response to FEMA PA eligibility, and he assisted FEMA headquarters with policy development and program implementation for new policies.

John Lopez, Contract Manager (Lead)

Firm employed by: Metric				
Name	John Lopez		Years of relevant experience with this employer	13
Title	Director of Emergency Management		Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization			N/A	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			Contract Manager (lead) / Mr. Lopez has provided disaster recovery – project management services for over 20 years. Overseeing all aspect of many different types of disaster recovery projects, including debris, FEMA PA, and housing programs.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
08/21 – Present	Project Manager: Natural Disaster Monitoring (response to Hurricane Ida) Louisiana Department of Transportation: John served as the Project manager following the Category 4 Atlantic Hurricane Ida and led the debris clean-up initiatives for District 02. John managed 25 debris supervisors and 110 field monitors, he also was responsible for over 200 truck certifications and the proper documentation 2.1 million cubic yards of debris removed. John help coordinate recovery efforts between multiple stakeholders and was the lead consultant to the state and district debris managers. John ensured Metric’s quality assurance plan was followed and all documentation was digitized and submitted to the client for reimbursement.			
08/20 – 06/21	Project Manager: Natural Disaster Monitoring (response to 2020 Hurricanes) Louisiana Department of Transportation: John serves as Project Manager for the Louisiana Department of Transportation following the devastating impacts of Hurricanes Laura, Delta, and ZETA. Mr. Lopez manages debris monitoring efforts for four separate DOT districts encompassing 27 parishes. Mr. Lopez works closely with the Local and state officials to coordinate emergency road clearance to help restore power and emergency services to the affected areas. Mr. Lopez directs oversite and training of 4 district Project Managers, 45 Field Supervisors, and over 600 Field Monitors. Mr. Lopez's team works closely with state officials to reconcile and provide detailed information resulting in over \$66 million in FEMA reimbursements to date.			
10/18 – 07/20	Debris Manager: Natural Disaster Monitoring / Construction Engineering and Inspection (CEI) Services (response to 2018 Hurricane Michael) FDOT District 3: Mr. Lopez served as Debris Manager and was responsible for 85 field supervisors, 1200 field monitors to clear over 16 million cubic yards of debris on state and local roads for 13 counties. In addition, M. Lopez was responsible for a team that performed quality assurance oversight for five counties within the District. Mr. Lopez team had direct oversight of 5 additional monitoring firms and 8 hauling contractors.			

09/17 – 02/19	Project Manager: Hurricane Harvey in Texas City of Port Aransas, Texas: Mr. Lopez was responsible for disaster debris monitoring and FEMA consulting services for the removal and disposal of over 250,000 cubic yards of debris and other waste generated by Hurricane Harvey. John was responsible for training monitors debris in waste removal and disposal operations related city rights-of-way, and public property and facilities. John wrote a Private Property Debris Removal letter on behalf of the City to FEMA that was approved. This allowed the City to remove debris from private property, waterways and ditches; an allowance not typically approved by FEMA.
12/17 – 11/19	Project Manager: (response to 2017 Hurricane Isaac Louisiana Department of Transportation: Mr. Lopez served as Project Manager for LADOTD District 2, debris removal operation resulting from Hurricane Isaac. He was responsible for all aspects of debris removal operations in the 7 parishes that lie within district 2 his duties included staffing and training employees, determining eligibility, scheduling, truck certifications, DMSs, mulching operations, burn pits and final disposal sites while working alongside FHWA, FEMA, USCG, OSHA, LADEQ and GOHSEP to ensure work was conducted in compliance with all health and safety guidelines. He participated in weekly meetings with FEMA, State and Parish officials to review the status of projects and timelines for completion.
09/05 – 1/08	Project Manager: Debris Monitoring (Response to Hurricane Katrina) Plaquemines Parish, LA: Mr. Lopez served as Project Manager for the Plaquemines Parish debris removal operation resulting from Hurricane Katrina. He was responsible for staffing and training over 300 employees, determining eligibility, scheduling, truck certifications, DMS', mulching operations, burn pits and final disposal sites while working alongside USACE, OSHA, LDEQ, and EPA to ensure work was conducted in compliance with all health and safety guidelines. He held weekly meetings with FEMA, Parish and State officials to review the status of projects and timelines for completions and was responsible for the reconciliation of contractor invoices. During this period, Mr. Lopez was responsible for 10 crew leaders and 180 quality control monitors on day-to-day operations of seven multimillion-dollar projects.

Don Day, Contract Manager

Firm employed by: Metric				
Name	Clyde Don Day		Years of relevant experience with this employer	5
Title	Operations Manager		Years of relevant experience with other employer(s)	40
Degree(s) / Years / Specialization		Community College of the Air Force – Associates Degree Mississippi Gulf Coast Community College – associated Degree in Applied Science		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		Contract Manager / Mr. Day has extensive experience assisting clients with FHWA Emergency Relief, and served as the Operations Manager for Hurricane Hermine, and Hurricane Harvey in Corpus Christie, Texas, and Project Manager for Hurricane Laura, in Louisiana.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
08/21 – Present	Contract Monitor Manager: Natural Disaster Monitoring (response to Hurricane Ida) Louisiana Department of Transportation: Hurricane Ida struck the Louisiana coast with Category 4 strength winds. Mr. Day served as Contract Monitor Manager responsible for mobilizing, training, deploying, and supervising 18 project supervisors and 110 field monitors. Mr. Day was in charge of coordinating contractor efforts to clear 2600 miles of state roads, overseeing the operation of 12 temporary debris management sites, and documenting over 2.1 million cubic yards of debris removed from state right-of-way. Mr. Day worked daily with the state and district debris managers to help coordinate disaster response activities from multiple agencies.			
08/20 – 06/21	Project Manager: Natural Disaster Monitoring (response to 2020 Hurricanes) Louisiana Department of Transportation District 7: Following the devastating Hurricane Laura, Don supervised over 100 employees while managing the removal of over 2 million cubic yards of debris from 5 effected Parishes within District 7. To complete this project, he oversaw the certification of over 450 hauling units; established 21 debris disposal sites; supervised the removal of beach sand and restoration of approximately 4 miles of effected roadway and beach frontage; and insured the proper disposal of numerous storm damaged vessels.			
10/18 – 7/20	Debris Manager: Natural Disaster Monitoring / Construction Engineering and Inspection (CEI) Services (response to 2018 Hurricane Michael), FDOT District 3: Hurricane Michael struck the Louisiana coast with Category 5 strength winds. Mr. Day served as Operations Manager for FDOT in Jackson County, FL. His responsibilities included but were not limited to coordinating efforts between FDOT and local governments, mobilizing, training, deploying, and supervising 35 project supervisors and 400 field monitors. Under Don's direction, Metric completed over 2,000 truck certifications and oversaw 25,000 hazardous trees removed from the DOT right-of-way.			

11/17 - 2/18	Debris Manager: Natural Disaster Monitoring / Construction Engineering and Inspection (CEI) Services (response to 201 Hurricane Irma), FDOT District 5: Hurricane Irma struck the Irma coast with Category 4 strength winds. Mr. Day's daily responsibilities included performing damage assessments, guiding Cut & Toss crews, training monitors, setting up disposal sites, tracking and verifying eligible stumps for removal, leaner and hanger operations, ROW vegetative debris collection, and monitoring the progress and completion of recovering operations. Mr. Day managed five supervisors and 25 field monitors.
09/17 – 11/17	Operations Manager: Debris Monitoring (response to 2017 Hurricane Harvey), Port Aransas, Tx: Operations Manager: Debris monitoring (Hurricane Harvey} Port Aransas, TX: Hurricane Harvey struck the Texas coast with Category 2 strength winds. Mr. Day's daily responsibilities included overseeing contractor crews, structure demolition, ROW operations, tower operations, and asbestos segregation and mitigation. He also advised Port Aransas personnel of FEMA guidelines and trained monitors on tower operations, load calls, and the truck certification. For this activation, Mr. Day oversaw two field monitors and 30 field monitors, and 3 DMS sites

Molly Marcotte, Contract Manager

Firm employed by: Metric				
Name	Molly Marcotte		Years of relevant experience with this employer	6
Title	Operations Manager		Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization			N/A	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			Contract Manager / Ms. Marcotte brings over 16 years of significant experience in Civil Engineering Inspection and Emergency Disaster Recovery. She has served as Debris Manager and Operations Manager for Metric projects around the Southeast; managing and supervising ROW Debris Removal, inspection/approval of eligible ROW debris, inspection of properly permitted disposal sites, and daily verification of debris quantities, among other tasks	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
08/21 – Present	Lead Supervisor: Natural Disaster Monitoring DOTD District 2 (response to Hurricane Ida) Louisiana Department of Transportation: Hurricane Ida struck the Louisiana coast with Category 4 strength winds. Mrs. Marcotte served as Lead Supervisor for DOTD District 02 Plaquemine and Orleans Parish where she oversaw the recovery of nearly 250,000 cubic yards of debris. Molly responsible for 32 monitors and 4 temporary debris management sites. Molly also assisted in identifying eligible debris in the streams for reimbursement and administrating the program management.			
08/20 – 06/21	Debris Manager: Natural Disaster Monitoring DOTD District 3 (response to Hurricane Laura) Louisiana Department of Transportation: Following the devastating Hurricanes Laura and Delta, Molly served as Debris Manager in 8 Louisiana parishes; managing a total of 50 Monitors and resulting in removal of 302,713 CY Debris Removed from ROW (Vegetative Debris, C&D, Marsh Grass).			
10/18 – 07/20	Debris Manager: Natural Disaster Monitoring / Construction Engineering and Inspection (CEI) Services (response to 2018 Hurricane Michael), FDOT District 3: Hurricane Michael struck the Florida coast with Category 5 strength winds. Ms. Marcotte served as Operations Manager for FDOT in Region 3. Her responsibilities included but were not limited to coordinating efforts between FDOT and local governments, mobilizing, training, deploying, and supervising 20 project supervisors and 200 field monitors. Under Molly's direction, Metric completed over 600 truck certifications and oversaw 8,000 hazardous trees removed from the DOT right-of-way.			
09/17 – 01/18	Operations Manager: 2017 Hurricane Irma in Florida, FDOT District 1: Hurricane Irma struck the Florida coast with Category 4 strength winds. Ms. Marcotte served as Operations Manager for FDOT in District 1. Her responsibilities included but were not limited to coordinating efforts between FDOT and local governments, mobilizing, training,			

	deploying, and supervising 10 project supervisors and 100 field monitors. Under Molly's direction, Metric completed over 300 truck certifications and oversaw 10000 hazardous trees removed from the DOT right-of-way.
03/16 – 09/16	Operations Manager: Flood ROW Debris Removal, City of Covington, LA: Managed/supervised all ROW Debris Removal; inspection/approval of eligible ROW debris; inspection of properly permitted disposal sites; daily verification of debris quantities; schedule Debris Monitors for each debris crew; review/approval of Debris Monitor Daily Reports; monitor contractor housekeeping practices to ensure public safety; site inspection for close-out; provide necessary documentation to ensure reimbursement of Federal Funding for Client; measure load capacity of debris haul trucks/trailers; inspect haul trucks/trailers and all equipment to ensure public safety; register all haul trucks, trailers, and equipment to ensure proper tracking of use per contractor, crew number, and project number.

Dale Johnson, Contract Manager

Firm employed by: Metric				
Name	Dale Johnson		Years of relevant experience with this employer	8
Title	Field Supervisor		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			N/A	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			Contract Manager / Mr. Johnson has 25 years construction inspection experience in Pennsylvania working both PA Turnpike and PADOT contracts. Additionally, Mr. Johnson has 8 years' experience combined working in both the PA Program and Debris Management	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
08/21 – Present	Debris Supervisor: Natural Disaster Monitoring (response to Hurricane Ida) Louisiana Department of Transportation: Hurricane Ida struck the Louisiana coast with Category 4 strength winds. Mr. Johnson Supervised Right of Way debris operations in DOTD District 02 for Lafourche and Terrebonne parishes. Dale coordinated with DOTD Project Manager on a daily basis and relayed information and guidance to other supervisors. Coordinated with Prime and First tier subs daily to ensure that all operations were covered by monitors. Ensured proper and accurate documentation by monitors were performed. Conducted sign in, and safety meetings every morning prior to operations. Ensured that contractor performed operations within DOTD and FEMA guidelines. Assisted with truck certifications when needed. Performed numerous assessments and quantification of debris fields throughout the district to include, stumps, hanger/leaners, vegetative, C&D and commercial debris.			
08/20- 06/21	Debris Supervisor: Louisiana Department of Transportation and Development (response to Hurricane Laura): Supervised Right of Way debris operations in DOTD District 7 (Allen, Beauregard, Calcasieu, Cameron and Jeff Davis) parishes. Coordinated with Project Manager on a daily basis and relayed information and guidance to other supervisors. Coordinated with Prime and First tier subs daily to ensure that all operations were covered by monitors. Ensured proper and accurate documentation by monitors were performed. Conducted sign in, and safety meetings every morning prior to operations. Ensured that contractor performed operations within DOTD and FEMA guidelines. Assisted with truck certifications when needed. Performed numerous assessments and quantification of debris fields throughout the District to include, stumps, hanger/leaners, vegetative, C&D and commercial debris.			
10/18 - 07/20	Operations Manager: Natural Disaster Monitoring / Construction Engineering and Inspection (CEI) Services (response to 2018 Hurricane Michael), FDOT District 3: Mr. Johnson oversees right-of-way debris Operations in Jackson County Florida to ensure contract obligations were met and guidelines were adhered to, daily communication with prime contractor to aid with required assets were utilized, determined FEMA eligibility for multiple debris fields			

	(Vegetation/C&D), oversaw team of supervisors, leads and monitors to ensure accurate and complete documentation was provided. Also performed truck certifications on haul trucks to compute capacity.
09/17 – 03/18	Debris Supervisor: Hurricane Irma (DR-4337), FDEP: Supervised waterway debris monitors in Putnam, Clay and St. John's counties along the St. John's River. Trained monitors for debris monitoring for operations with removal, extraction, and tower operations along with use of ADM system for recording operations. Coordinated daily activities with contractor for monitor needs and contract obligations. Certified barges and trucks. Oversaw dune restoration for FDEP at various parks along Atlantic ocean in St. John's county.
09/17 – 03/18	Project Manager: Hurricane Irma (DR-4337), Fruitland Park: project manager for row debris removal within the city limits of approx. 30,000 cubic yards. Coordinated daily activities with contractor and reported progress to city public works department. Reconciled all load tickets generated and presented final spreadsheets and corresponding documentation to city for submission for project worksheet to FEMA.
02/17 – 03/17	Debris Supervisor: Hurricane Matthew (DR-4283), FDEP: performed river debris assessments on over 100+ miles of the east and west shorelines of the St. John's River to determine and quantify FEMA eligible debris for the FDEP for the removal of vegetative debris, C&D and marine vessels in Putnam, St. John's and clay counties. Assisted with the training and oversight of debris monitors for the removal of eligible debris.

Richard Bussey, Contract Manager

Firm employed by: Metric				
Name	Richard Bussey		Years of relevant experience with this employer	9
Title	Operations Manager		Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization			Oklahoma State University - Communications	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			Contract Manager / Richard has 16 years of experience in managing natural and man-made disaster incidents throughout the continental United States. He began his career in emergency response as a field monitor ultimately working his way into a project manager role. Between incidents, he continued his emergency response education by completing various FEMA Independent Study Courses.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
08/20 – 06/21	Project Manager Louisiana Department of Transportation and Development: Metric has held this contract for 10 years, having received multiple renewals and activations following numerous hurricane and flood events. Most recently, Metric was called upon to aid the State after Hurricanes Laura, Zeta, and Delta ravaged the western part of Louisiana in 2020. In the months since these hurricanes’ passage, Richard has led field operations and supervised over 600 employees in 20 impacted Louisiana parishes.			
09/17 – 09/18	Project Manager: Texas Department of Transportation (TXDOT) Harvey; Corpus Christi and Rockport: Mr. Bussey was responsible for monitoring the debris and waste removal and disposal operations performed by TxDOT and contracted Hauling operations relative to state right-of-way and facilities. The process resulted in a collective 450,000 cubic yards of C&D, freon removal, white goods, e-waste, and vegetative debris removal. Richard served as project manager, responsible for oversight of all operations, client interaction, interface with federal funding agencies, field safety, and staff training.			
03/16 – 09/16	Project Manager Louisiana Department of Transportation and Development (DOTD): As a result of record rainfall and subsequent flooding throughout Louisiana, Richard responded immediately to act as Project Manager for District 03 under a preposition contract with DOTD. He successfully managed all debris monitoring operations in and around the Lafayette area. Under Richard’s leadership, this project was delivered through closeout in compliance with all applicable regulations.			
03/14 – 09/14	State Project Manager (Ice Storm) North Carolina and South Carolina Departments of Transportation: A severe ice storm occurred in the southeastern United States affecting both North and South Carolina. This historic storm generated thousands of hazardous trees and broken limbs. Richard deployed to the area responding to a hauling contract. He served as the State Project Manager overseeing and managing hundreds of bucket truck crews and self-loading grapple hook			

	trucks. He was responsible for securing and permitting every DMS (Debris Management Site) that was used to burn and/or grind the vegetative material picked up in 13 counties.
11/13 – 03/14	Operations Manager (Flooding) Larimer County, Colorado: Mr. Bussey served as the Project Manager in charge of all daily operations. Unique challenges were presented, and his recovery teams were forced to deal with impassable mountain terrain, sustained winds in excess of 50 mph, mountain lions, bears and severe winter weather including significant snow accumulations. This area of recovery was not typical of flatland flood incidents and special attention was paid to the impacts on wildlife in and around the picturesque state parks. The work zones and DMS sites needed to be created and managed in a way as to limit the footprint of heavy equipment operations with future remediation goals always in mind.
04/10 – 05/11	Operations Chief (Oil Spill) Deep Water Horizon: On April 20, an explosion rocked the Deepwater Horizon drilling rig in the Gulf of Mexico. The explosion killed 11 workers and sent oil gushing into the water. During the next 87 days, about 200 million gallons of crude oil had spilled into the Gulf. 16,000 miles of coastline was ultimately affected stretching from Texas along the shores of Louisiana, Mississippi, Alabama, and Florida, making this disaster the biggest marine oil spill in US history.

Carrol Bussey, EOC Liaison

Firm employed by: Metric				
Name	Carrol Bussey		Years of relevant experience with this employer	1
Title	Emergency Management Professional		Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization			BA / 4 / Merchandising & Marketing	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			EOC Liaison / Liaison to the State Debris Manager at DOTD HQ to assist in answering operation questions or ensure communication with Contract Manager or Monitor Supervisors in the field. May be required to accumulate data or reports from the field for reporting to State Debris Manager.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
06/21 – Present	Recovery Specialist: Oregon Wildfires: Review ODOT Contractor Invoices for approval, also work on the Oregon Wildfire Debris Hotline Call Center to answer questions from property owners about ROEs, PPDRs and any other questions they may have about cleanup process.			
08/20 – 02/21	EOC Liaison: DOTD response to Hurricane Laura: Mobilized to Baton Rouge, Louisiana, acted as state liaison in the Emergency Operations Center for DOTD State Debris Manager, Seth Matherne.			
08/20 – 08/20	Debris Supervisor: Mexico Beach, Florida, Salt Creek NRCS Cleanup: Responded to request to mobilize to Mexico City beach, once there, supervised operations of cleaning up debris from hurricane which included barges, haul trucks and DMS.			
02/20 – 04/20	Recovery Specialist: North Valley Region, CA PG&E (EVM & Routine) (Covid-19): Deployed to Northern California to work within Pacific Gas & Electric’s North Valley Region. Work was conducted on the Wyandotte Circuit 1107 under Emergency Vegetative Management and the Honcut Circuit 1101 under Routine Power line Tree Maintenance. Acted as a liaison between PG&E and the Prime Contractor (KDF Forestry). This position required reconciling weekly invoices in excess of \$1 million while utilizing an ARC GIS software program known as “Collector”. Verified different types of equipment and crew personnel that were utilized on a daily basis. This verification required a complete understanding of Vegetative Management Points within various PG&E Power Line Segments including what type of tree, what size of tree and the required process needed to mitigate the threat of fire. Attended bi-monthly meetings with PG&E’s Vegetative Management Director to discuss safety, customer work requests, accrued completion percentages and coordinate varying methods of improving daily production. Prepared and Presented all Original Mobilization Costs invoices. As the threat of the COVID-19 Pandemic became a topic of meeting discussions, I authored, designed and Prepared Emergency Contingency Plan for COVID-19 for PG&E.			

08/17 – 01/18	Debris Supervisor: Rockport, Texas Hurricane Harvey: Hired, trained and managed monitors to document debris pick-up and hazardous tree removal. Responsible for documenting all monitors hours, entering into database for payroll.
06/16 – 08/16	Debris Supervisor: Bastrop, Texas TXDOT Flooding/Tornado: Served as Field Supervisor for TXDOT, Tyler District, after tornado. Managed the debris operations and documentation for reconciliation.
10/14 – 01/15	Recovery Specialist: Beaumont & Port Arthur, Texas CDBG (HOP and HAP): Assisted clients with process of finding, purchasing and moving into a new home. Reported to South East Texas Regional Planning Commission (SETRPC), designated as the lead agency to administer Community Development Block Grant Disaster Recovery Funding provided by the U.S. Department of Housing and Urban Development (HUD) through the Texas General Land Office (TGLO) for recovery from damages sustained as a result of Hurricanes Ike and Dolly.
02/14 – 04/14	Operations Manager: South Carolina SCDOT Ice Storm DR4175: Served as Operations Manager in Bamberg County. Managed two Field Supervisors and 60 Field Monitors (36 Bucket Trucks, 18 Debris Trucks and two Debris Management Sites)

Kyle Toups, Monitor Supervisor

Firm employed by: Metric			
Name	Kyle Toups	Years of relevant experience with this employer	6
Title	Monitor Supervisor	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		None	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Monitor Supervisor / As an Operations Manager and Debris Supervisor on the projects below, Mr. Toups represents Metric in daily meetings with city and county officials as well as fire, police, water, electrical and medical teams for status and coordination among these various groups. He manages multiple field teams responsible for debris removal and insured contracts with city and county governments were met while maintaining safety standards. He also coordinates activities and locations for the contractors and DMS sites across the storm impacted counties.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
08/21 – Present	Monitor Supervisor: Natural Disaster Monitoring (response to Hurricane Ida) Louisiana Department of Transportation Hurricane Ida struck the Louisiana coast with Category 4 strength winds. Mr. Toups served as Monitor Supervisor responsible for deploying and overseeing daily monitor activities in the field. These activities included but were not limited to making eligibility determinations, resolving contractor issues, conducting daily safety meetings, ensuring accurate load calls, QA/QC of tickets, and daily logs for accuracy. Also, as a certified traffic control supervisor, Kyle ensured the contractor debris removal crews had proper traffic controls set up before the commencement of operations.		
08/20- 06/21	Debris Supervisor: Louisiana Department of Transportation and Development (response to Hurricane Laura): Supervised Right of Way debris operations in DOTD District 8 (14 parishes). Coordinated with Project Manager on a daily basis and relayed information and guidance to other supervisors. Coordinated with Prime and First tier subs daily to ensure that all operations were covered by monitors. Ensured proper and accurate documentation by monitors were performed. Conducted sign in, and safety meetings every morning prior to operations. Ensured that contractor performed operations within DOTD and FEMA guidelines. Assisted with truck certifications when needed. Performed numerous assessments and quantification of debris fields throughout the District to include, stumps, hanger/leaners, vegetative, C&D and commercial debris.		
10/18 - 07/20	Operations Manager: Natural Disaster Monitoring / Construction Engineering and Inspection (CEI) Services (response to 2018 Hurricane Michael), FDOT District 3: Mr. Toups oversees right-of-way debris Operations in Jackson County Florida to ensure contract obligations were met and guidelines were adhered to, daily communication with prime		

	contractor to aid with required assets were utilized, determined FEMA eligibility for multiple debris fields (Vegetation/C&D), oversaw team of supervisors, leads and monitors to ensure accurate and complete documentation was provided. Also performed truck certifications on haul trucks to compute capacity.
09/17 – 11/17	Supervisor: Debris Monitoring Services (response to 2017 Hurricane Harvey), Port Aransas, TX – Hurricane Harvey struck the Texas coast with Category 2 strength winds. Mr. Toups served as supervisor, where he trained monitors in truck certification, proper field monitoring, tower monitoring, and field supervising. Mr. Toups implemented our ADMS during cleanup and was in charge of QA/QC of all project documentation. Mr. Toups helped monitor over 150,000 cubic yards of debris and 20 home demolitions.

Michael Diette, Monitor Supervisor

Firm employed by: Metric				
Name	Michael Diette		Years of relevant experience with this employer	4
Title	Supervisor		Years of relevant experience with other employer(s)	14
Degree(s) / Years / Specialization			AS / 2 / Computer Networking	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			Monitor Supervisor / Mr. Diette joined Metric for our response to Hurricane Michael for FDOT District 3 in 2018. As a Team Leader, Mr. Diette specifically tagged and measured debris haul vehicles, trained new hires, and supervised training of crews for leaners and hangers. He has been with Metric ever since, and currently serves as a debris supervisor for our work with DOTD.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
08/21 – Present	Debris Supervisor: Louisiana Department of Transportation and Development (response to Hurricane Ida): Hurricane Ida struck the Louisiana coast with Category 4 strength winds. Mr. Diette was responsible for Contractor Truck certification, which includes measuring total hauling capacity, verifying calculations, verifying contractor has the required documentation to operate on state roads legally and that the equipment meets the minimum requirements of the contract. Michael oversaw the certification of 452 haul units and 91 pieces of debris removal equipment. Mr. Diette also supervised the team in charge of video clearance of over 1773 miles of roadway.			
08/20 – 06/21	Debris Supervisor: Louisiana Department of Transportation and Development (response to Hurricane Delta): Hurricane Delta struck the Louisiana coast with Category 2 strength winds. Mr. Diette served as a field supervisor, where he trained monitors in truck certification, proper field monitoring, tower monitoring, and field supervising. Mr. Diette conducted operational and safety briefings and supervised monitoring staff during recovery efforts in all parishes of DOTD District 7.			
08/20- 06/21	Debris Supervisor: Louisiana Department of Transportation and Development (response to Hurricane Laura): Supervised Right of Way debris operations in DOTD District 7 (Allen, Beauregard, Calcasieu, Cameron and Jeff Davis) parishes. Coordinated with Project Manager on a daily basis and relayed information and guidance to other supervisors. Coordinated with Prime and First tier subs daily to ensure that all operations were covered by monitors. Ensured proper and accurate documentation by monitors were performed. Conducted sign in, and safety meetings every morning prior to operations. Ensured that contractor performed operations within DOTD and FEMA guidelines. Assisted with truck certifications when needed. Performed numerous assessments and quantification of debris fields throughout the District to include, stumps, hanger/leaners, vegetative, C&D and commercial debris.			

09/17 – 06/18	Field Supervisor: Debris Monitoring Services (response to 2017 Hurricane Harvey), Texas Department of Transportation (TXDOT) – Corpus Christi: Hurricane Harvey struck the Texas coast with Category 2 strength winds. Mr. Diette served as a field supervisor for TxDOT Corpus Christi, where he monitored crews that were collecting ROW vegetative debris, monitored trucks entering the debris disposal site, and checked tickets for errors. He also supervised the debris site and debris tower operations, supervised personnel, trained field and tower monitors, and worked with city officials to coordinate recovery efforts.
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Rae Lynn Lopez, Office Supervisor

Firm employed by: Metric				
Name	Rae Lynn Lopez		Years of relevant experience with this employer	10
Title	FEMA Closeout Specialist		Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization			None	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			Office Supervisor / Mrs. Lopez has vast experience compiling documentation to support DIRs and PWs, including checking that costs are allocated to the correct project, ensuring projects have adequate funding, requesting reimbursement of eligible costs, logging and documenting all reimbursement requests through the appropriate financial management system, as well as serving as office supervisor for numerous projects with well over 500 employees on each project.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
08/21 – Present	Data Manager: Disaster Debris Removal Monitoring Consultant – Hurricane Ida (2021), Louisiana Department of Transportation & Development (DOTD): As Data Manager for our ongoing response to Hurricane Ida, Rae Lynn oversees the monitor invoicing for Metric and their sub-consultants. Rae Lynn works directly with the District Debris Managers to ensure accuracy of data to secure full reimbursement of eligible cost. Rae Lynn is also responsible for: staff onboarding, scheduling of field staff, scheduling certifications/training, payroll and employee expense reimbursements, incident reports, equipment and supply order and distribution, document management.			
08/20 – 06/21	Data Manager: Disaster Debris Removal Monitoring Consultant – Hurricane Laura (2020), Louisiana Department of Transportation & Development (DOTD): As Data Manager for Hurricane Laura Rae Lynn oversaw the monitor invoicing for Metric and their sub-consultants. Rae Lynn works directly with the District Debris Managers to ensure accuracy of data to secure full reimbursement of eligible cost. Rae Lynn is also responsible for: staff onboarding, scheduling of field staff, scheduling certifications/training, payroll and employee expense reimbursements, incident reports, equipment and supply order and distribution, document management.			
10/18 – 07/20	Data Manager: Natural Disaster Monitoring / Construction Engineering and Inspection (CEI) Services (response to 2018 Hurricane Michael), FDOT District 3: As Data Manager for FDOT District 3 in response to Hurricane Michael Rae Lynn oversaw the monitor invoicing for Metric and their sub-consultants. Rae Lynn works directly with the District Debris Managers to ensure accuracy of data to secure full reimbursement of eligible cost. Rae Lynn is also responsible for: staff onboarding, scheduling of field staff, scheduling certifications/training, payroll and employee expense reimbursements, incident reports, equipment and supply order and distribution, document management.			

08/17 – 05/18	Data Supervisor: Debris Monitoring Services (response to 2017 Hurricane Harvey), Texas Department of Transportation (TxDOT) – Multiple Districts: Metric supported the TxDOT (multiple Districts) by managing disaster debris removal efforts following Hurricane Harvey in 2017. As Data Supervisor Rae Lynn oversaw the monitor invoicing for Metric and their sub-consultants. Rae Lynn works directly with the District Debris Managers to ensure accuracy of data to secure full reimbursement of eligible cost. Rae Lynn is also responsible for: staff onboarding, scheduling of field staff, scheduling certifications/training, payroll and employee expense reimbursements, incident reports, equipment and supply order and distribution, document management.
12/17 – 11/19	Data Supervisor: Disaster Debris Removal Monitoring Consultant (response to 2017 Hurricane Harvey), Texas General Land Office (GLO): Metric provided disaster debris removal monitoring services to the Texas GLO following Hurricane Harvey (2017) to include the removal of debris found on Texas beaches and in the waters of the State of Texas. As Data Supervisor Rae Lynn oversaw the monitor invoicing for Metric and their sub-consultants. Rae Lynn works directly with the District Debris Managers to ensure accuracy of data to secure full reimbursement of eligible cost. Rae Lynn is also responsible for: staff onboarding, scheduling of field staff, scheduling certifications/training, payroll and employee expense reimbursements, incident reports, equipment and supply order and distribution, document management.

John Cormier, GIS/Data Analyst

Firm employed by: Metric				
Name	John Cormier		Years of relevant experience with this employer	13
Title	Data Manager		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			Full Sail Real World Education – A.S., Recording Arts	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			GIS/Data Analyst / Mr. Cormier has extensive experience assisting clients with FHWA Emergency Relief and FEMA Public Assistance Program reimbursements. He has reviewed DDIRs/PWs and prepared required documentation to maximize funding for clients in the states of Colorado, Massachusetts, Rhode Island, Texas, and Florida. John has served as a Documentation Specialist on various disaster recovery projects, utilizing his strong knowledge of federal programs administered by FHWA, FEMA, HUD, and NRCS. His disaster recovery experience includes the design and implementation of accounting methods, procedures, computer-based systems, and controls for use in the tracking and reporting of disaster-related costs. John has been instrumental in supporting clients through various audits conducted by FHWA, FEMA, and OIG.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
08/21 - Present	Data Manager / Billing & Invoicing: Hurricane Ida: John oversaw the documentation of over 2 million cubic yards of debris following Hurricane Ida. His efforts led to seamless reconciliations between contractors and the Louisiana Department of Transportation and Development. This included the management of data coming from over 500 employees and a strenuous, yet highly effective QC process.			
10/20 – 06/21	Data Manager / Billing & Invoicing: Natural Disaster Monitoring (response to 2020 Hurricane Laura/Delta/Zeta DR-4577, DR-4559, DR-4570) DOTD District 2-3-7-8: As Data Manager, John’s responsibilities include: interacting with all levels of management, operations, and field personnel, coordinating project tracking and data management, providing oversight and quality assurance of field data collected and project documentation, reconciling data with contractor invoices, developing Reconciliation Reports and Payment Recommendations for the client regarding hauling contractor invoices, and providing system for collection, review, organization, and storage of project documents.			
08/17 – 08/19	Data Manager / Billing & Invoicing: FEMA Disaster Recovery Consulting Services (response to Hurricane Hermine & Hurricane Irma) Pasco County, FL: Mr. Cormier was responsible for Project Worksheets related to Hurricane Hermine to ensure all eligible costs were documented and captured by FEMA and FDEM. Our team: Reviewed all of the County’s Direct Administrative Costs and assigned them to the appropriate Project Worksheets (costs FEMA and FDEM			

	failed to include); Reviewed project costs and analyzed field documentation, damage descriptions, and scopes of work; Effectively resolve disputes, and prepared appeals when unfavorable determinations were received. Before the devastating Hurricane Irma struck Florida, Pasco County again activated our Team to the County's EOC to ensure the County was capturing every eligible dollar spent.
10/18 – 06/20	Data Manager / Billing & Invoicing: Natural Disaster Monitoring/ Construction Engineering and Inspection (CEI) Services (response to 2018 Hurricane Michael) FDOT District 3: Mr. Cormier managed the deployment of our ADMS system to document the removal of more than 167,380 hazardous trees and over 16,023,225.73 cubic yards (CY) of disaster-generated debris across 13 county's ON-SYSTEM roads and four county's OFF-SYSTEM roads, to date. <i>Mr. Cormier was responsible for the contractor invoicing and reconciliation phase for the project.</i>

Rick David, GIS/Data Analyst

Firm employed by: Metric				
Name	Rick David		Years of relevant experience with this employer	8
Title	Data Manager		Years of relevant experience with other employer(s)	16
Degree(s) / Years / Specialization				
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			GIS/Data Analyst / Mr. David has extensive experience as an emergency management Data Manager and IT professional. He has overseen data relating to dozens of Debris Removal mobilizations and has also served as Supervisor for multiple recovery efforts. As an experienced Data Manager, he is known for meticulous attention to detail, and is skilled at managing the myriad pieces of data involved in a successful recovery operation, such as: estimating and documenting debris quantities; determining debris eligibility, types and acceptable disposal methods; inspecting contractors' operations (daily) to ensure that all work was performed in accordance with the specified plans, specifications, and reimbursement program requirements, and keeping clear and concise records of all contractual operations.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
08/21 - Present	Data Manager / Billing & Invoicing: Hurricane Ida: Richard oversaw the documentation of over 1.8 million cubic yards of debris following Hurricane Ida. His efforts led to seamless reconciliations between contractors and the Louisiana Department of Transportation and Development. This included the management of data coming from over 500 employees and a strenuous, yet highly effective QC process.			
10/18 – 02/20	Data Manager: Natural Disaster Monitoring / Construction Engineering and Inspection (CEI) Services (response to Hurricane Michael) FDOT District 3: As Data Manager, Rick’s responsibilities include: interacting with all levels of management, operations, and field personnel, coordinating project tracking and data management, providing oversight and quality assurance of field data collected and project documentation, reconciling data with contractor invoices, developing Reconciliation Reports and Payment Recommendations for the client regarding hauling contractor invoices, and providing system for collection, review, organization, and storage of project documents.			
12/17 – 11/19	Data Manager: Disaster Debris Removal Monitoring Consultant (response to 2017 Hurricane Harvey) Texas General Land Office (GLO): Mr. David served as Data Manager and was responsible for management of over 60,000 electronic tickets written. His efforts led to seamless reconciliations between contractors and TXDOT This included the management of data coming from over 120 employees. Mr. David was also in-charge of Metric’s QA/QC program.			

09/17 – 02/19	Data Manager: Hurricane Harvey in Texas City of Port Aransas, Texas: Metric provided disaster debris monitoring and FEMA consulting services for the removal and lawful disposal of debris and other waste generated by Hurricane Harvey, which hit Texas in September 2017. Metric was responsible for monitoring the debris and waste removal and disposal operations performed by the City's Debris Removal and Hauling operations relative to City streets, roads and right-of-ways, and public property and facilities. Metric wrote a Private Property Debris Removal letter on behalf of the City to FEMA that was approved. This allowed the City to remove debris from private property, waterways and ditches; an allowance not typically approved by FEMA.
09/17 – 05/18	Data Manager: Debris Monitoring Services (response to 2017 Hurricane Harvey) Texas Department of Transportation (TxDOT) – Multiple Districts: Mr. David oversaw the deployment of Metric ADMS system, which included 85 handhelds units that documented contractor work activities. He was also in-charge of Metric's QA/QC process on keeping clear and concise records of the contractual operations, preparing daily, weekly, monthly quantity summaries and breakdowns as well as daily progress reports in conformance with DOT requirements; reconciling and recommending payment of hauling contractor's invoices.

Amy Wiwi, GIS/Data Analyst

Firm employed by: Metric				
Name	Amy Wiwi		Years of relevant experience with this employer	21
Title	Vice President of Planning		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		B.S. / 4 / Science M.S. / 2 / Environmental Engineering Science		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		GIS/Data Analyst / Over her career, she has led numerous Project Development & Environment (PD&E) Studies as well as Systems Planning, Roadway Characteristics Inventory (RCI), and Geographic Information Systems (GIS) based contracts. She currently manages Metric's North Florida Planning Services working in the field of Systems Planning, Digital Data Development and Mapping, emergency management and Statistics incorporating new technologies into FDOT planning services. Her group is one of the leading providers of Systems Planning/RCI services in the State of Florida and looks to continue Metric's support of the Departments Planning and Maintenance offices for years to come.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
01/10 - Present	Project Manager: Miscellaneous Roadway Characteristics Inventory, FDOT District 2 Planning Department (3 Contracts): Mrs. Wiwi is the Project Manager for this contract. She is in charge of the overall contract management ensuring trained staff and resources are available to the Department. Additionally, she oversees the responsibilities of routing, basemap, urban boundary, functional classification, and other RCI feature geospatial updates and analysis. This contract includes thousands of miles of on-system and Duval County off- system roads in District Two's eighteen county area.			
01/10 - Present	Project Manager: Miscellaneous Roadway Characteristics Inventory, District 3 Planning Department, Project Manager (3 contracts): Mrs. Wiwi served as the Project Manager for these contracts. She is responsible of the overall contract management ensuring trained staff and resources are available to the Department. Likewise, she also manages the coordination with other consultants and departments within DOT. She also is in charge of routing, basemap, urban boundary, functional classification, and other RCI feature geospatial updates and analysis. This contract includes thousands of miles of on- and off- system roads in District Three's sixteen county area.			
	Task Manager: Miscellaneous Roadway Characteristics Inventory for the FDOT District 3 Maintenance Department: As Task Manager, she was in charge of daily operations. She directed field crews as they collected 23 maintenance features in 10 counties throughout the Panhandle and compiled GPS/GIS data on Maintenance Assets to be added to the Department's RCI database.			

	<p>Project Manager: Districtwide Systems Planning Consultant (Four Contracts; 2010 – Ongoing), FDOT District 3: Ms. Wiwi is the Project Manager for this contract. Ms. Wiwi and her staff have worked under three of these contracts. Ms. Wiwi’s primary focus is to assist the Department with agency and local government coordination and Geographic Information System (GIS) support. Typical tasks include TRIP application review for Statutory Guidelines, Transportation Alternatives Program review, FTP 2060 Plan update, Public Involvement Activities, LOS reviews, Transit assistance, development of CMPs, and any duties associated with Growth Management, Comprehensive Plan and ICAR Review specifically legislative review and comments for policy updates for Department staff. Under this contract, Metric staff are also utilizing the FDOT Context Classification handbook to accurately designate context classifications for all state highways within District 3. This is done through a combination of field data collection, videolog, RCI database and GIS analysis. The desktop GIS analysis includes a review of land use, future land use, protected lands, speed limits, sidewalks, urban boundaries, aerial photography, as well as the existing roadway network in conjunction with the FDOT Design Manual to assist in the determination of future design needs. This contract is also utilized to support the department with any GIS, AGOL, and/or data development and mapping needs. GIS projects include Work Program Viewers, StoryMaps, Detailed Damage Inspection Reports, Functional Classification viewers/maps, Work Program Maps, Level of Service Maps, Corridor Maps, etc.</p>
04/05 - Present	<p>Project Manager: SR 85 Eastern Crestview Bypass Feasibility Study, FDOT District 3: This project is a Feasibility Study for a new alignment to the east of the City of Crestview which connected on the northern and southern termini to SR 85. The purpose of the Feasibility Study is to provide documented information necessary to determine fatal flaws, logical termini, purpose and need, and corridors or alternatives that meet performance Metrics identified in the purpose and need.</p>
04/05 - Present	<p>Project Manager: Data Development and Mapping (GIS) Consultant (Two Contracts – 2005 - ongoing), FDOT District 3: Ms. Wiwi is the Metric Project Manager for this contract. Duties under this contract include assisting the District GIS Manager with coordination of the District’s GIS efforts with relationship to database development, website development, interdepartmental information sharing, task work orders, GIS Strategic Plan, Enterprise efforts, etc.</p>

Matt Gore, GIS/Data Analyst

Firm employed by: Metric				
Name	Matt Gore		Years of relevant experience with this employer	5
Title	GIS Specialist		Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization			B.S. / 4 / Environmental Studies Graduate Certificate in Geographic Information Systems	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			GIS/Data Analyst / Mr. Gore provides application implementation support for the design and development of GIS applications that support the inventory, data collection and GIS mapping processes through ESRI's ArcGIS Online and ArcGIS Server.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
01/05 – Present	GIS Analyst: Districtwide Systems Planning Consultant (Three Contracts Since 2005), FDOT, District 3: The primary focus of this contract is to assist the Department with agency and local government coordination. Typical tasks include TRIP application review for Statutory Guidelines, Transportation Alternatives Program review, FTP 2060 Plan update, Public Involvement Activities, LOS reviews, Transit assistance, development of CMPs, and any duties associated with Growth Management, Comprehensive Plan and ICAR Review specifically legislative review and comments for policy updates for Department staff. Some of these projects include Detailed Damage Inspection Reports, Functional Classification maps, Work Program Maps, Level of Service Maps, Corridor Maps, etc.			
01/05 – Present	Data Development and Mapping (GIS) Consultant (Two Contracts), FDOT District 3: Duties under this contract include assisting the District GIS Manager with coordination of the District's GIS efforts with relationship to database development, website development, interdepartmental information sharing, task work orders, GIS Strategic Plan, Enterprise efforts, etc.			
01/05 – Present	GIS Analyst: Emergency Management Systems, FDOT District 3: Mr. Gore has led the development of a geographic analysis tool for the FDOT. The tool is used for planning and common operating procedure for the Emergency Management Team with FDOT. Mr. Gore conducted research and development on data collection and storage for Metric Engineering's Emergency Management Services. He used ESRI's web GIS platform and mobile applications to develop these sophisticated tools.			

Rodrigo Rojas, Monitor Supervisor

Firm employed by: TWG				
Name	Rodrigo Rojas		Years of relevant experience with this employer	4.5
Title	Debris Supervisor		Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization			High School Diploma, Galveston College (some coursework)	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			Oversees debris collection and tower monitoring activities	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
09/21-Present	DOTD District 2 Debris Monitoring and Management - Project to observe and document the removal and disposal of over 1.3 million cubic yards of marsh grass and other vegetative debris, leaners/hangers and construction and demolition debris from state roads and right of ways resulting from Hurricane Ida.			
08/20-04/21	DOTD District(s) 3, 7, and 8 Debris Monitoring and Management - Project to observe and document the removal and disposal of over 2 million cubic yards of marsh grass and other vegetative debris, leaners/hangers and construction and demolition debris from state roads and right of ways resulting from Hurricanes Laura and Delta.			
10/18-06/19	Florida Department of Transportation District 3 Debris Monitoring and Management - Project to observe and document the removal and disposal of over 1 million cubic yards of vegetative debris, leaners/hangers and construction and demolition debris from state roads and right of ways resulting from Hurricane Michael.			
09/17-11/17	Florida International University, The Villages, FL and Aventura, FL Debris Monitoring and Management - Project to observe and document the removal and disposal of over 1 million cubic yards of vegetative debris, leaners/hangers and construction and demolition debris from state roads and right of ways resulting from Hurricane Irma.			

Sterling Foster, Monitor Supervisor

Firm employed by: TWG				
Name	Sterling Foster		Years of relevant experience with this employer	2.5
Title	Debris Supervisor		Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization				
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		Oversees debris collection and tower monitoring activities		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
09/21-Present	DOTD District 2 Debris Monitoring and Management - Project to observe and document the removal and disposal of over 1.3 million cubic yards of marsh grass and other vegetative debris, leaners/hangers and construction and demolition debris from state roads and right of ways resulting from Hurricane Ida.			
08/20-04/21	DOTD District(s) 3, 7, and 8 Debris Monitoring and Management - Project to observe and document the removal and disposal of over 2 million cubic yards of marsh grass and other vegetative debris, leaners/hangers and construction and demolition debris from state roads and right of ways resulting from Hurricanes Laura and Delta.			
10/18-06/19	Florida Department of Transportation District 3 Debris Monitoring and Management - Project to observe and document the removal and disposal of over 1 million cubic yards of vegetative debris, leaners/hangers and construction and demolition debris from state roads and right of ways resulting from Hurricane Michael.			
09/17-01/18	Texas Department of Transportation Debris Monitoring and Management - Project to observe and document the removal and disposal of over 1 million cubic yards of vegetative debris, leaners/hangers and construction and demolition debris from state roads and right of ways resulting from Hurricane Harvey			

Tammy Authement, Monitor Supervisor

Firm employed by: MCL				
Name	Tammy Authement		Years of relevant experience with this employer	6
Title	Supervisor		Years of relevant experience with other employer(s)	11
Degree(s) / Years / Specialization			None	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			Monitor Supervisor / Ms. Authement has 17 years of experience with debris removal with recent experience supervising and monitoring debris operations for Metrics' EMS division. Her experience includes assigning/supervising monitors and crews daily.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
08/21 – Present	Debris Supervisor: Louisiana Department of Transportation and Development (response to Hurricane Laura): Hurricane Ida struck the Louisiana coast with Category 4 strength winds. Ms. Authement was responsible for coordinating disaster debris removal efforts in DOTD district 02 in Plaquemines, LA. In this role Tammy supervised 15 monitors and 18 haul crews and ensured the contractor followed FEMA guidelines and regulations for debris removal. Some of those tasks consist of QA/QC of tickets and dump logs, truck tarping and resolving contractor field issues.			
08/20- 06/21	Debris Supervisor: Louisiana Department of Transportation and Development (response to Hurricane Laura): Mrs. Authement supervised Right of Way debris operations in DOTD District 03. She Coordinated with the Project Manager daily and relayed information and guidance to other supervisors. She worked with Prime and First-tier subs daily to ensure that monitors covered all operations. Tammy Conducted sign-in and safety meetings daily before field operations. Tammy also confirmed that the contractor performed operations within DOTD and FEMA guidelines. When needed, she assisted with truck certifications and performed numerous damage assessments throughout the district, including stumps, hanger/leaners, vegetative, C & C & C&D, and commercial debris.			
08/09 – 09/17	Chester Engineers: Ms. Authement monitored and supervised several crews where they were responsible for safety of the resident's property, the amount of dust in the air, and writing reports for damages. She also made sure all the crews followed all rules and regulations before leaving site (for example: tarping and receiving tickets from drivers of correct disposal dumps), all houses were decommissioned properly, and had to make sure all slabs were cleared by LDEQ before removal. As a Supervisor, she issued assignments to monitors, oversaw monitors and crews during the day. Additionally, she monitored and supervised C&D Demo's, RACM Demo's, Cut & Cap water and sewer lines, Backfill & Seeding, Slab Removals, and Decommission before a house is demolished on a C&D Demo.			
09/08 – 08/09	Camp Dresser & Magee (CDM): Ms. Authement monitored and supervised several crews where they were responsible for safety of the resident's property, the amount of dust in the air, and writing reports for damages. She also made sure all			

	<p>the crews followed all rules and regulations before leaving site (for example: tarping and receiving tickets from drivers of correct deposal dumps), all houses were decommissioned properly, and had to make sure all slabs were cleared by LDEQ before removal. She performed assessments on properties by drawing maps, taking pictures of inside and outside of structure and slabs, marking what needed to be removed, and measured structures, slabs, trees, fences, stumps and all flatwork. As an Asbestos Helper, she measured inside and outside of house by drawing a map of every individual rooms and breaking measurements down to square footage. She also completed all paperwork and numbered bags of samples. She monitored Dumps, C&D demo' s, RACM Demo's, Backfill & Seeding, Slab Removals, Decommission before a house is demolished on a C&D demo Assessments, and Asbestos Helper.</p>
07/06 – 05/07	<p>Camp Dresser & Magee (CDM): Ms. Authement monitored and supervised several crews where they were responsible for safety of the resident's property, the amount of dust in the air, and writing reports for damages. She also made sure all the crews followed all rules and regulations before leaving site (for example: tarping and receiving tickets from drivers of correct deposal dumps), all houses were decommissioned properly, and had to make sure all slabs were cleared by LDEQ before removal. She performed assessments on properties by drawing maps, taking pictures of inside and outside of structure and slabs, marking what needed to be removed, and measured structures, slabs, trees, fences, stumps and all flatwork. She supervised crews removing debris from canals and ditches, which meant clearing waterways.</p>

Dannis Jones, Monitor Supervisor

Firm employed by: MCL			
Name: Dannis Jones		Years of relevant experience with this employer	6
Title: Debris Supervisor		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		None	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Monitor Supervisor / Mr. Jones is a detail-oriented professional with 6 years of experience and a successful background in DMS Monitoring and overall Supervision of debris pick up crews.	
08/21 – Present	Lead Supervisor: Louisiana Department of Transportation and Development (response to Hurricane Ida): Hurricane Ida struck the Louisiana coast with Category 4 strength winds. Mr. Jones served as the Lead supervisor for DOTD District 02 Jefferson Parish where implemented our automated debris management system (ADMS) for the debris removal project. Mr. Jones was responsible for oversight of household hazardous waste and supervised the removal of over 200,000 cubic yards of debris. Mr., Jones was also responsible for daily activities of over 20 monitors and 3 DMS sites.		
08/20 - 06/21	Debris Supervisor: Louisiana Department of Transportation and Development (response to Hurricane Laura): Supervised Right of Way debris operations in DOTD District 7 (Allen, Beauregard, Calcasieu, Cameron and Jeff Davis) parishes. Coordinated with Project Manager on a daily basis and relayed information and guidance to other supervisors. Coordinated with Prime and First tier subs daily to ensure that all operations were covered by monitors. Ensured proper and accurate documentation by monitors were performed. Conducted sign in, and safety meetings every morning prior to operations. Ensured that contractor performed operations within DOTD and FEMA guidelines. Assisted with truck certifications when needed. Performed numerous assessments and quantification of debris fields throughout the District to include, stumps, hanger/leaners, vegetative, C&D and commercial debris.		
10/18 – 07/20	Debris Monitor Supervisor: Natural Disaster Monitoring / Construction Engineering and Inspection (CEI) Services (response to 2018 Hurricane Michael), FDOT District 3: Hurricane Michael struck the Florida coast with Category 5 winds. Mr. Jones served as a Debris Supervisor, where he trained monitors in truck certification, proper field monitoring, tower monitoring, and field supervising. He also assisted with contractor truck certifications which included measuring total haul capacity and verifying calculations. Mr. Jones' team documented over 2 million cubic yards of debris removed from state right-of-way.		
11/17 – 04/18	DMS Monitor: Disaster Debris Removal Monitoring Consultant (response to 2017 Hurricane Harvey), Texas General Land Office (GLO): Hurricane Harvey struck the Texas coast with Category 2 winds. Mr. Jones served as a debris Supervisor. His responsibilities included overseeing environmental and endangered species monitoring. He ensured contractor crews avoided sensitive areas of endangered coastline. He guided local officials on eligibility requirements and		

	properly documented contractor field activities for FEMA and the United States Coast Guard. Mr. Jones managed 14 monitors stretched over 60 miles of coastline.
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Darryl Dunbar, Monitor Supervisor

Firm employed by: Volkert				
Name	Darryl Dunbar		Years of relevant experience with this employer	9
Title	Debris Supervisor		Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization			Coursework in Instructional Technology, Alabama A&M University, 1999-2002	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			<p>Monitor Supervisor / Darryl possesses a wide range of experience, including having served as PA Specialist, Debris Supervisor, and Project Manager. His disaster experience includes serving as a Construction Manager/PA Program PDMG Grants Specialist on DR-4332-TX (Hurricane Harvey) in 2018. He also served as a Project Manager for the Ouachita Parish, Louisiana debris monitoring operation in early 2016. Prior to that, he served as a Debris Field Supervisor and Assistant Operations Manager in South Carolina following the severe winter storm in 2014. While the Ouachita Parish operation involved mostly mixed/C&D debris, in South Carolina he oversaw all operations in Edgefield County, including identifying leaners and hangers for removal, overseeing the cut 'n' drop activities, managing the load 'n' haul operations, and was responsible for 50 monitors. He has extensive demolition and private property debris removal experience from the 2011 tornados in Alabama. Darryl served as a Debris Field Supervisor during debris operations in the Pratt Parish area of Birmingham, Alabama following the Spring Tornado disaster that devastated the area in 2011. He was quickly identified for promotion from the position of Debris Monitor to Field Supervisor due to quickly grasping debris operational elements and concepts and his meticulous attention to details. During the operation, he oversaw actions of 25 debris monitors during right- of-way debris removal, private property debris removal, and private property demolition activities.</p>	
Experience dates (mm/yy–mm/yy)		Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
11/20 – 02/21		<p>Project Manager: FEMA DR-4576-MS (2020 Hurricane Zeta): Project Manager for debris monitoring operations for the Harrison County Board of Supervisors in Gulfport, MS resulting from Hurricane Zeta impacts in October 2020. Responsibilities included staffing, reporting, documentation, and audit procedures related to debris monitoring. The project involved 408,200+ cubic yards of right-of-way debris, leaners, hangers, and stumps, and a grinding operation at the County’s two debris Management Sites (DMS).</p>		

08/20 – 01/21	Project Manager: FEMA DR-4559-LA (2020 Hurricane Laura): Project Manager for debris monitoring operations for Ouachita Parish Police Jury resulting from Hurricane Laura impacts in August 2020. Debris monitoring was also provided to the communities of Monroe, West Monroe, Richwood and Sterlington through an agreement with the Parish. Responsibilities included staffing, reporting, documentation, and audit procedures related to debris monitoring. The project involved 235,700+ cubic yards of right-of-way debris and an open burn operation at the Parish's Debris Management Site (DMS).
08/20 – 02/21	Advisor to Project Manager: FEMA DR-4559-LA (2020 Hurricane Laura): Advisor to the Project Manager for debris monitoring operations for Jackson Parish Police Jury resulting from Hurricane Laura impacts in August 2020. Debris monitoring was also provided to the communities of Chatham and Jonesboro through an agreement with the Parish. Responsibilities included staffing, reporting, documentation, and audit procedures related to debris monitoring. The project involved 54,700+ cubic yards of right-of-way debris and an open burn operation at the Parish's Debris Management Site (DMS).
09/21–12/21	Project Manager: FEMA DR-4611-LA (2021 Hurricane Ida): Project Manager for debris monitoring operations for St, Bernard Parish Government resulting from Hurricane Ida impacts in August 2021. Responsibilities included staffing, reporting, documentation, and audit procedures related to debris monitoring. The project involved right-of-way debris and an open burn operation at the Parish's Debris Management Site (DMS).

Laura Russell, Monitor Supervisor

Firm employed by: Volkert				
Name	Laura Russell		Years of relevant experience with this employer	2
Title	Debris Supervisor		Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization			B.S. / 4 / Science	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			Debris Supervisor / Laura serves as a Project Manager in Volkert's Program Management Group for government funded programs, as well as disaster recovery projects. She is experienced in all areas of government compliance and disaster recovery from insurance adjusting, debris removal and monitoring field operations, to analyzing client financials for reimbursement. She brings incredible work ethic and builds lasting relationships with clients while always meeting project goals.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
08/21 – Present	Deputy Project Manager: Mobile County's Program Management and Administrative Services for the Management and Implementation of Coronavirus State and Local Fiscal Recovery Funds, Mobile County, AL: Currently serving as Deputy Project Manager responsible for successful delivery of this program. Volkert is currently providing program management and administrative services required for the management and implementation of Coronavirus State and Local Fiscal Recovery Funds as established under the American Rescue Plan Act. The firm is responsible for assisting with the identification of eligible expenditures, development and implementation of each authorized program, with creation and/or maintenance of project files which must demonstrate compliance with all applicable state, local and federal regulations. The firm is also responsible for carrying out overall administration of grant related activities, establishing an approval and tracking system to ensure funds are expended properly and within established timelines, and assisting with review of draw requests submitted by consultants, sub-recipients and contractors. Volkert also supports the development of work force plans and procedures related to any water, sewer, and broadband projects as required by funding agency and reviews and/or certifies weekly certified payroll compliance with federal wage decision(s) submitted by contractors. Volkert assists with on-site interviews and comparison of the on-site results with the respective payroll results, monitoring of construction projects to ensure compliance with labor standards provisions, and with preparation of project files identified as the subject of monitoring visits and/or audits by any requesting entity.			
09/20 – 05/21	Operations Project Manager: 2020 Alabama, Hurricane Sally Disaster Debris Removal Monitoring in Baldwin County, AL: Served Debris Monitoring Operations Project Manager responsible for overseeing management of five (Summerdale, Magnolia Springs, Loxley, Silverhill, and Elberta) concurrent debris operations within Baldwin County.			

09/20 – 09/20	Operations Manager: 2020 Louisiana, Hurricane Laura Disaster Debris Removal Monitoring, Ouachita Parish, LA: Served as an Operations Manager responsible for managing/monitoring the debris removal and disposal operation for the tenth largest Parish in northern Louisiana, Ouachita Parish Police Jury.
01/19 – 07/19	Recovery Specialist: 2018 Florida, Hurricane Michael Disaster Debris Removal Contractor, Gulf County, FL: Provided debris management, financial analysis, cost estimating/reimbursement and documentation efforts.

17. Firm Experience:

Metric – Hurricane Ida (District 2)

Firm name	Metric			
Project name	Hurricane Ida – DOTD District 2		Firm responsibility (prime or sub?)	Prime
Project number	14.2358.05	Owner's name	DOTD	
Project location	Louisiana		Owner's Project Manager	Francis Simon, P.E.
Owner's address, phone, email	1440 US Hwy 90 Bridge City, LA 70094 504-437-3111 Francis.Simon@LA.GOV			
Services commenced by this firm (mm/yy)	08/21	Total consultant contract cost (\$1,000's)		\$10,000
Services completed by this firm (mm/yy)	Present	Cost of consultant services provided by this firm (\$1,000's)		\$6,800 (Invoiced to Date)

After Hurricane Ida, the Metric team was activated to monitor the removal and disposal of over 1.3 million cubic yards of marsh grass and other vegetative debris, leaners/hangers and construction and demolition debris from State District 2 roads and right of ways resulting from Hurricane Ida.

Staff included in this proposal: Don Day, Michael Diette, John Cormier, Rick David, John Lopez, Rae Lynn Lopez, Amy Wiwi, Matt Gore, Molly Marcotte, Dannis Jones, Tammy Authement, Dale Johnson, Richard Bussey

Metric – Hurricane Laura (District 3)

Firm name	Metric			
Project name	Hurricane Laura – DOTD District 3		Firm responsibility (prime or sub?)	Prime
Project number	14.2358.01	Owner's name	DOTD	
Project location	Louisiana		Owner's Project Manager	Sam Miller
Owner's address, phone, email	428 Hugh Wallis Road Lafayette, LA 70508 (337) 363-1125 sam.miller@la.gov			

Services commenced by this firm (mm/yy)	08/20	Total consultant contract cost (\$1,000's)	\$3,000
Services completed by this firm (mm/yy)	02/21	Cost of consultant services provided by this firm (\$1,000's)	\$3,000

Metric was called upon to aid the state after Category 4 Hurricane Laura ravaged the western part of Louisiana in 2020—making landfall as the 10th strongest US hurricane on record. In the months since Hurricane Laura's passage, Metric has monitored removal of over 3 million cubic yards of debris and counting. For its Laura response, DOTD trusted Metric to oversee operations in 20 impacted Louisiana parishes.

Staff included in this proposal: Don Day, Michael Diette, John Cormier, Rick David, John Lopez, Rae Lynn Lopez, Amy Wiwi, Matt Gore, Molly Marcotte, Dannis Jones, Tammy Authement, Dale Johnson, Richard Bussey

Metric – Hurricane Laura (District 7)

Firm name	Metric		
Project name	Hurricane Laura – DOTD District 7	Firm responsibility (prime or sub?)	Prime
Project number	14.2358	Owner's name	DOTD
Project location	Louisiana	Owner's Project Manager	Vicki L. Ponthieux, P.E.
Owner's address, phone, email	1616 Weekly Road, Sulphur, LA 70663 337-527-3030 Vicki.Ponthieux@la.gov		
Services commenced by this firm (mm/yy)	08/20	Total consultant contract cost (\$1,000's)	\$8,800
Services completed by this firm (mm/yy)	05/21	Cost of consultant services provided by this firm (\$1,000's)	\$8,800

Metric was called upon to aid the state after Category 4 Hurricane Laura ravaged the western part of Louisiana in 2020—making landfall as the 10th strongest US hurricane on record. In the months since Hurricane Laura's passage, Metric has monitored removal of over 3 million cubic yards of debris and counting. For its Laura response, DOTD trusted Metric to oversee operations in 20 impacted Louisiana parishes.

Staff included in this proposal: Don Day, Michael Diette, John Cormier, Rick David, John Lopez, Rae Lynn Lopez, Amy Wiwi, Matt Gore, Molly Marcotte, Dannis Jones, Tammy Authement, Dale Johnson, Richard Bussey

Metric – Hurricane Michael

Firm name	Metric		
Project name	Hurricane Michael - FDOT 3	Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	FDOT
Project location	Florida	Owner's Project Manager	Beverly Renae Sanders, PE

Owner's address, phone, email	1074 Highway 90, Chipley, FL 32428 (850) 330-1658 Renae.Sanders@dot.state.fl.us		
Services commenced by this firm (mm/yy)	10/18	Total consultant contract cost (\$1,000's)	\$84,405
Services completed by this firm (mm/yy)	10/20	Cost of consultant services provided by this firm (\$1,000's)	\$84,405

Metric performed debris monitoring for FDOT District 3 in response to Hurricane Michael, which struck the Florida Panhandle as a high-end category 5 storm event in October of 2018. The storm caused catastrophic damage from wind and storm surge, particularly in the Panama City Beach to Cape San Blas areas. Metric, as the Pre-Event Debris Monitoring Consultant for the district, was called to action immediately, responding within hours of the event. Metric monitored debris on state roads for 13 counties and county roads in four counties. In addition, Metric performed quality assurance oversight for other contracts in five counties within the District. To accomplish this effort, nine debris hauling firms and four monitoring firms were deployed with over 1,300 total personnel from local communities working on the project under Metric's supervision. During this time, Metric monitored over 17.7 million cubic yards of debris removed from the roadways - over 5 million cubic yards from the state road system and over 15.7 million cubic yards from the county road system. Additionally, Metric staff performed QA/QC oversight for other existing debris removal and operations.

Staff included in this proposal: Doug Cauley, John Lopez, Molly Marcotte, John Cormier, Rick David, Rae Lynn Lopez, Amy Wiwi

Metric – Hurricane Harvey

Firm name	Metric		
Project name	Hurricane Harvey – Beaumont District	Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	TXDOT
Project location	Texas	Owner's Project Manager	Keith Horn, P.E.
Owner's address, phone, email	8350 Eastex Freeway Beaumont, TX 77708 (409) 898-5742 keith.horn@txdot.gov		
Services commenced by this firm (mm/yy)	09/17	Total consultant contract cost (\$1,000's)	N/A
Services completed by this firm (mm/yy)	06/18	Cost of consultant services provided by this firm (\$1,000's)	\$1,897

Hurricane Harvey pummeled southern Texas as Category 4 hurricane in August 2017, causing catastrophic flooding and high winds. TXDOT retained Metric to monitor removal of debris throughout the Beaumont district, while maximizing potential for reimbursement through FEMA Public Assistance. During this engagement, Metric monitored removal of nearly 150,000 cubic yards of debris and oversaw the extraction of nearly 300 hazardous trees, limbs, and stumps. We provided oversight for debris removal contractors, ensuring each was acting in compliance with contract terms and federal regulations. Metric provided estimates of debris quantities; determined debris eligibility, types, and acceptable disposal

methods for a variety of debris types including household hazardous waste, E-waste, orphan drums, and tires. Our team provided an electronic database and hand-held mobile application to process, store and query all data including photographs, field documents, haul truck certifications, etc.

Staff included in this proposal: Rick David, Molly Marcotte, John Lopez, Rae Lynn Lopez

TWG – Hurricane Ida (District 2)

Firm name	TWG			
Project name	DOTD Debris Monitoring and Management		Firm responsibility (prime or sub?)	Sub
Project number	Hurricane Ida	Owner's name	Louisiana Department of Transportation and Development	
Project location	DOTD District 2		Owner's Project Manager	John Lopez
Owner's address, phone, email	1821 Commercial Dr. Suite S, Harvey, LA 70058 – 850.520.1754 – john.lopez@Metriceng.com			
Services commenced by this firm (mm/yy)	09/21	Total consultant contract cost (\$1,000's)		\$796
Services completed by this firm (mm/yy)	present	Cost of consultant services provided by this firm (\$1,000's)		\$456

After Hurricane Ida, WFG was activated as part of the Metric team to assist with the observation and documentation of the removal and disposal of over 1.3 million cubic yards of marsh grass and other vegetative debris, leaners/hangers and construction and demolition debris from State District 2 roads and right of ways resulting from Hurricane Ida. WFG provided supervisors, debris monitors, tower monitors and PA-experienced professionals for the project effort.

Staff included in this proposal: Sterling Foster, Rodrigo Rojas

TWG – Hurricane Zeta

Firm name	TWG			
Project name	Alabama Department of Transportation, Southwest Region		Firm responsibility (prime or sub?)	Sub
Project number	Hurricane Zeta	Owner's name	Alabama Department of Transportation	
Project location	ALDOT Southwest Region		Owner's Project Manager	Kirby McCrary
Owner's address, phone, email	11 N. Water St. Suite 18290, Mobile, AL 36670 – 251.342.1070 –			
Services commenced by this firm (mm/yy)	11/20	Total consultant contract cost (\$1,000's)		\$883
Services completed by this firm (mm/yy)	03/21	Cost of consultant services provided by this firm (\$1,000's)		\$725

Following Hurricane Zeta, ALDOT needed assistance clearing state roads and right of ways of over 500,000 cubic yards of vegetative and construction and demolition debris throughout the entire Southwest Region (8 counties). WFG assisted ALDOT as a sub-consultant to Volkert Engineering providing supervisors, debris monitors, tower monitors and PA-experienced professionals. WFG staff followed all FEMA guidelines and protocols while monitoring the removal of eligible vegetative, construction and demolition and leaner/hanger and hazardous tree debris from state right of ways.

MCL – Larimer County Wildfire Recovery

Firm name	MCL			
Project name	Larimer County, Colorado Wildfire Recovery		Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	Larimer County	
Project location	Larimer County CO		Owner's Project Manager	Lori Hodges
Owner's address, phone, email	4872 Endeavor Drive, Johnstown, CO 80534 Work Phone: (970) 619-4900 Email: hodgeslr@co.larimer.co.us			
Services commenced by this firm	06/21	Total consultant contract cost (\$1,000's)		\$445
Services completed by this firm	08/21	Cost of consultant services provided by this firm (\$1,000's)		\$445

Description: Larimer County hired MCL to manage the removal of over 4,000 hazardous trees associated with the Cameron Peak Fire. MCL deployed personnel to measure and document the removal process. In the first of its kind trees, we're cut and ground on-site to help stabilize burned mountain slopes and reduce cost by eliminating the use for DMS site and final disposal.

Staff included in this proposal: Don Day, Dannis Jones, John Lopez, Rae Lopez, Sterling Foster, Kyle Toups

Volkert – City of Mandeville

Firm name	Volkert			
Project name	City of Mandeville, LA – Disaster Debris Removal Monitoring		Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	City of Mandeville, LA	
Project location	Mandeville, LA		Owner's Project Manager	Keith Lagrange, Public Works Director
Owner's address, phone, email	3101 E Causeway Approach, Mandeville, LA 70448 T: 985.624.3169 E: klagrange@cityofmandeville.com			
Services commenced by this firm (mm/yy)	08/21	Total consultant contract cost (\$1,000's)		\$875
Services completed by this firm (mm/yy)	01/22	Cost of consultant services provided by this firm (\$1,000's)		\$873

This project was a disaster debris removal monitoring project for the City of Mandeville. Volkert served as prime consultant for this project.

Staff included in this proposal: Laura Russell

Volkert – St. Bernard Parish, LA

Firm name	Volkert		
Project name	St. Bernard Parish, LA – Disaster Debris Removal Monitoring	Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	St. Bernard Parish, LA
Project location	St. Bernard Parish, LA	Owner's Project Manager	John Rahaim, Jr., HS Director
Owner's address, phone, email	8201 W Judge Perez Drive, Chalmette, LA 70043 T: 504.278.4267 E: jrahaim@sbgp.net		
Services commenced by this firm (mm/yy)	08/21	Total consultant contract cost (\$1,000's)	No contract NTE
Services completed by this firm (mm/yy)	12/21	Cost of consultant services provided by this firm (\$1,000's)	\$525

This project was a disaster debris removal monitoring project for St. Bernard Parish, LA. Volkert served as prime consultant for this project.

Staff included in this proposal: Laura Russell, Darryl Dunbar

Volkert – Ouachita Parish Louisiana Police Jury

Firm name	Volkert, Inc.		
Project name	Ouachita Parish Louisiana Police Jury – Disaster Debris Removal Monitoring	Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	Ouachita Parish Louisiana Police Jury
Project location	Ouachita Parish, LA	Owner's Project Manager	Brad Cammack, Parish Treasurer
Owner's address, phone, email	112 Arrant Road, West Monroe, LA 71292 T:318.327.1340 E: bcammack@oppj.org		
Services commenced by this firm (mm/yy)	08/20	Total consultant contract cost (\$1,000's)	No contract NTE
Services completed by this firm (mm/yy)	01/21	Cost of consultant services provided by this firm (\$1,000's)	\$691

This project was a disaster debris removal monitoring project for Ouachita Parish Louisiana Police Jury. Volkert served as prime consultant for this project.

Staff included in this proposal: Laura Russell, Darryl Dunbar

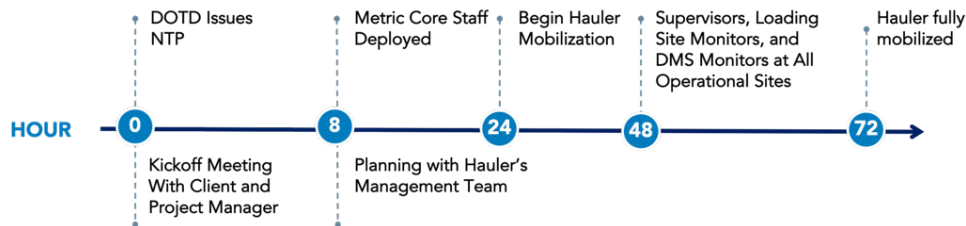
18. Approach and Methodology

METRIC ENGINEERING, INC. (METRIC) is a national, privately held minority-owned firm, founded in 1976 in Miami, FL. Core services include Civil Engineering and Emergency Management. Our responsiveness and commitment to excellence has gained the firm an outstanding reputation and the trust and confidence of our clients. The Team we offer DOTD is made up of consultants that all have prior working relationships and relevant Louisiana working together on Debris Monitoring Projects for DOTD. We've supported our clients with comprehensive disaster recovery efforts, including debris monitoring, damage assessments, environmental permitting, regulatory coordination, project monitoring, contractor oversight, and financial management.

In August 1992, Metric's Miami headquarters was destroyed by Hurricane Andrew. Despite this, we were back and fully operational within 2 weeks of the storm and working for Miami-Dade County on the Hurricane Andrew Recovery - Metric's first Debris Monitoring Project. Our EMS Division is headquartered in Harvey, LA and staff there are also very familiar with what it is to be impacted by a major storm event. Having lived and worked through disasters, we have learned many important lessons that drive our passion to help communities recover as quickly as possible.

Metric has managed over \$1B of storm related contracts and has successfully overseen the removal and disposal of more than 60 million CY of debris (36 million for DOT's) on 15 federally declared disasters.

Our team has led disaster recovery efforts across the Gulf Coast and the Mid-Atlantic, including activations during the 2020 & 2021 hurricane seasons in Louisiana (4 named storms). Metric was the Prime Consultant for the response in Districts 2,3,7 & 8 and is currently closing out services for Hurricane Ida in District 2. Other similar activations have included Hurricane Michael in the Florida Panhandle, Hurricane Harvey in Texas (Corpus Christi and Beaumont



District, City of Port Aransas), ice storms in South Carolina, flooding in Baton Rouge, Rhode Island, and Colorado, and wildfires in Colorado.

Metric has proudly provided DOTD with debris monitoring services since 2009 and has been DOTD's Prime Consultant for recovery efforts after Hurricanes Isaac, Laura, Delta, Zeta, and Ida, as well as the flood in 2016. We have employed over 2,000 Louisiana residents during these activations.

Availability and Commitment

Metric has positioned itself to focus exclusively on the DOTD's needs. Metric does not hold any other Pre-Event Contract in Louisiana, core staff is located in the state, and through our work for DOTD we have compiled a database of local, experienced monitors ready for deployment. All this gives the Metric Team the ability to provide DOTD with an immediate and rapid response after an event.

At project initiation, Metric will meet with project stakeholders to establish specific needs for the district and headquarters. Our office in Harvey, LA is staffed with essential personnel that can be anywhere in Louisiana within 6 hours of notification and scale up as needed. Additionally, they are equipped with satellite connections, fuel cells, and generators that keep us operational when resources are scarce.

In addition to the operations staff, Metric's corporate staff, including ownership, are directly involved throughout the job. The HR Department has developed strategic processes to rapidly identify, vet and onboard local hires.

Upon request, we will report to the Emergency Operations Center (EOC) 24 hours prior to the anticipated arrival of an event, or within 24 hours after, for events with no advance warning. Contract Manager, John Lopez, will immediately report to the command center to collaborate with DOTD leadership and set expectations and key timelines. The figure below outlines our proposed schedule for a rapid deployment with sufficient qualified staff to commence field operations.

Monitoring Operations

Prior to being assigned to a project, all roadway and disposal site monitors are trained and vetted to ensure they have the qualifications for the job. Following our standard vetting process allows us to hire and deploy the right personnel, avoiding costly turnover which can affect operations.

Each monitor is equipped with a smart phone device pre-loaded with Metric’s ADMS mobile app for in-field data collection. Roadway Monitors initiate the load ticket, and the Disposal Site Monitor completes the load ticket at the DMS site. Once the load ticket is completed the information entered automatically transfers to our ADMS database; if a monitor is in an area without service or Wi-Fi, data is automatically transferred when the monitor returns to a Wi-Fi enabled area. Additionally, Disposal Site Monitors are equipped with rugged field printers. The monitor will print the completed ticket and distribute a copy to the hauler for his records. Our smart phone devices also provide monitors with a high-quality digital camera, a video recording device, and GPS technology in a single device.


Systems and Resources Deployed


Metric offers DOTD our proprietary Automated Debris Management System (ADMS) to support a "born digital" recovery. Leveraging our decades of practical debris experience, Metric pioneered and developed ADMS, which provides a streamlined process, embedded QC, reporting efficiency, and mobility. The use of ADMS leads to greater efficiency and reduced costs by moving away from paper forms to digital forms and processes. Document control and audit-ready files are maintained through digital footprints and electronic recordkeeping.


ADMS is customizable, allowing us to tailor data collection to meet the various needs of DOTD. Metric’s ADMS system meets and exceeds the 12 requirements in the RFP.


Information in Metric's ADMS System can be displayed via Excel, pie charts, graphs, or a live digital GIS Progress Map that can be made accessible to the public.


ADMS™ Key Modules


 In-Field Ticket Generation via mobile device


 Searchable Load Ticket Database


 Truck Certification


 Invoice Reconciliation


 Debris Removal Tracking

 FEMA Reimbursement Record, and support documents

 Daily Reporting (Total CY debris; disposal locations, etc)

 Daily Ticket Distribution

 GIS Mapping

 Accessible from anywhere via secured website

The Metric team will provide DOTD secure access to ADMS, allowing you to see a map of the exact locations of each truck and monitor in the field in real-time.

Following federal and state guidelines, Metric has established a standard methodology and template

for truck certification to reduce the occurrences of miscalculations and minimize discrepancies. This system ensures the utilization of uniform measurements and industry standard equations for volume calculation.

As part of the Truck Certification module of ADMS, when the Truck Certification information is loaded, the system calculates the volume of the vehicle to verify the in-field calculation. Any discrepancies are immediately reported to field supervisors, contractors, and the PM to re-certify the vehicle.

ADMS will maintain accurate records of all debris collection vehicles, including the measurements of the inside of the useable bed space (per FEMA guidelines), certified weight, photographs, license information, vehicle identification decal issuance, and regular monitoring of vehicle modifications.

The Metric team will provide electronic load tickets (or electronic reports through ADMS acceptable to FEMA and other Federal or State reimbursement agencies) to track and document the removal and management of all eligible debris. ADMS and the mobile app include modules that generate e-tickets for leaners, hangers, and stumps. Metric incorporates the FEMA-325 rules regarding the documentation required for these pay items, and our ADMS will us help coordinate with the DOTD, FHWA and FEMA. The system gathers stores all required supporting information (GPS coordinates, photos, etc.) to ensure federal reimbursement.

Completed tickets will be remitted to the DOTD each day. Metric also retains copies of completed load tickets, and distributes copies to the vehicle driver, and the Debris Removal Contractor. Additionally, these load tickets will be scanned and incorporated into a master electronic file with a summary spreadsheet identifying each truck and ticket (load). Information collected by field monitors may also include photographs, GPS locations, detailed notes, and any other means of confirming debris load information for reimbursement purposes.

Metric will collect, tabulate, and organize debris disposal data, vehicle certifications, project records, associated photos, and other supplemental documents to support federal, state, and local reimbursements and subsequent audits. All collected records will be subject to Metric’s technology group which includes several GIS Professionals support the Data Managers by providing tools for the visualization of the data collected. The ADMS and GIS groups have been working together for years including the last two storm seasons in Southwest and Southeast Louisiana on DOTD response efforts. The GIS group will develop relevant GIS mapping, reporting and data collection

tools to manage, dynamically update, and visually track field tasks related to debris hauling. Status updates will be made readily available for the State Highway and/or facilities on the Federal-aid system by deploying a web-based solution easily accessible by mobile devices while out on the field. With the

Practical Applications Of Data Analytics



Mapping and demographic data can reveal useful information such as where concentrations of debris are located.



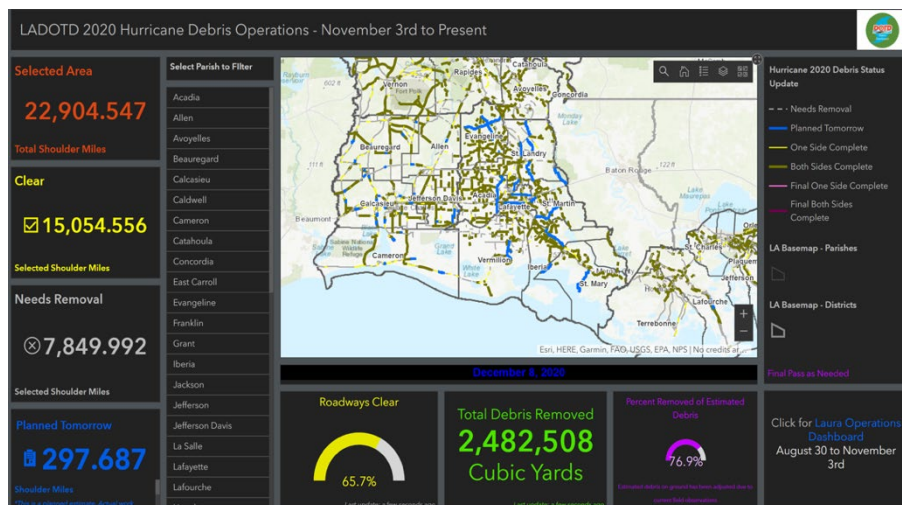
Geospatial and machine learning tools can be utilized to identify best potential DMS and TDSR sites.



Graphical representation of big data provides insight into trends, outliers, and patterns to support intuitive decision making.

use of mobile devices and enabled GPS tracking, lat/long coordinates are captured thus providing the level of accuracy needed for geo-referencing and status update capabilities. This will allow DOTD the ability to track the day-to-day operations and the progress of the response effort. With the data collected in ADMS™, our team will produce reports and develop dashboards to provide

As part of Metric's response and recovery efforts after Hurricane Laura in Southwest Louisiana, the Team developed a public facing, interactive dashboard.



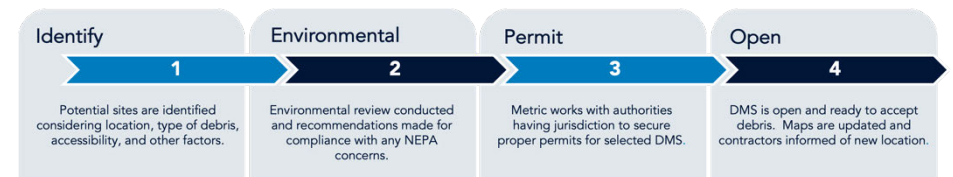
DOTD and Public Officials real-time updates on the debris operation. The web-based dashboard is an especially powerful tool, providing visualization of key data highlights including: cubic yards of debris cleared, percentage of roadways cleared, first pass/subsequent pass data, and remaining debris to be collected.

Metric successfully provided DOTD with GIS mapping services after Hurricanes Laura and Ida, our GIS data is compatible with DOTD's ArcGIS System, and we use DOTD's ESRI data as our base layer for mapping.

Both internal and public facing websites will be provided. We successfully provided these same services on the Hurricane Ida response in District 2. The public facing site will also include Metric's Hotline Number to provide the public a point of contact to report issues. The Metric Team will be responsible for efficiently handling any issues the public brings forth before they can escalate.

Our team is highly experienced in the development of customized ESRI web-based solutions like interactive StoryMaps, Dashboards, Hubs, and custom web-based applications. We also can provide ArcGIS Online (AGOL) development and hosting services as well. These solutions can be used for project tracking, data editing and/or data reporting purposes. No matter what level of coordination is needed for a specific project, Metric focuses on the meaningful engagement of the client, the public and in-house management services.

Debris Management Site Selection Assistance



Our ADMS software can provide aerial pictometry and obliques of potential disposal sites. Potential sites are then mapped and linked with associated records such as plans, permits, and site close-out documents and compared with state guidelines for disposal sites. Environmental assessments will be conducted as needed to comply with the National Environmental Policy Act (NEPA). If regulated resources are present, we will coordinate with regulatory agencies regarding best management practices and reach a consensus to minimize or avoid onerous permitting requirements. Once a new DMS is

properly permitted and ready to accept debris, ADMS™ is updated to show the location of the site and stakeholders are informed of its availability.



Additional Resources

- ✓ MCC is equipped with 12kw Onan Quiet Generator, AC, 5 Work Stations, 3 Servers (GIS, Comm, Data), VOIP Phone System, and Satellite Communication System.
- ✓ Metric is part of ATT First Net wireless broadband for First Responders.
- ✓ Metric is purchasing a Wingtra One Drone equipped with 42 MP, combined with Propeller Processing can provide Digital Terrain Model to be used for Damage Assessment and DMS Survey including quantities for weekly reports to LDQ
- ✓ Metric is purchasing a Load Scan LVS-3TMM Mobile Unit for Truck Certifications

Reporting

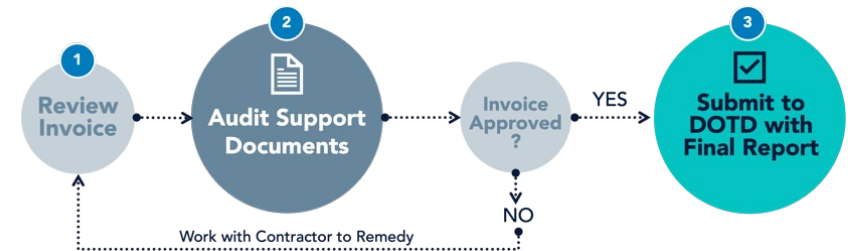
Our Contract Manager is responsible for ensuring we stay in step with you throughout the project's life. Each day, the Manager will host a briefing with the DOTD to discuss key items like work progress, staffing, contractor performance, project worksheet preparation, damage assessments, or other essential action items. Visual representations of crucial project data will accompany briefings to aid understanding.

Contractor's Invoicing

Metric will audit each debris removal contractor's invoices and associated documentation with independently maintained data in ADMS. Our team of invoice specialists and billing analysts will review each invoice to ensure time

and materials billed are consistent with the contractor's scope of work, unit prices, contract performance metrics,

and agreed-upon timelines. Invoice specialists will also audit supporting documentation submitted with each invoice to ensure costs are allocable to specific activities and consistent with data stored in our database for the invoice period. If the invoice specialist team identifies errors or omissions in the invoice, our team will work with the debris removal contractor to remedy deficiencies quickly, prior to submission to DOTD.



When our invoice specialist team has approved the invoice, Metric will submit invoices with a recommendation for payment report, highlighting the target payment date, any retainer or other fees that should be withheld, and any adjustments to be made. Invoices submitted to DOTD will be accompanied by final reconciliation documents from our system, including load ticket summary and any adjustments made in the database.

Our Commitment

The Metric team believes in delivering who and what we say we will deliver.

Your Metric team will remain in place and dedicated to providing world-class service without disruption throughout each activation. We bring decades of experience, enhanced by the empathy that only comes from being first-hand survivors of natural disasters ourselves. We feel that our qualified team, proven results, and understanding of the unique challenges your recovery may face is an excellent complement to the expertise already possessed by DOTD. We are honored for the opportunity to be part of the next chapter in your recovery story.

19. Workload:

Firm(s)	State project number	Project name	Remaining Unpaid Balance*
Metric	H.972442	DOTD District 2 Hurricane Ida	\$3,200,000
TWG	H.972442	DOTD District 2 Hurricane Ida	\$191,000
MCL	N/A	South Lafourche Levee District Hurricane Ida	\$200,000
MCL	N/A	Terrebonne Parish School District	\$80,000
Volkert	N/A	N/A	N/A

(Add rows as needed)

DO NOT SUM

* Round to the nearest dollar. **Do not** 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:

Metric LA Secretary of State Registration:

State of
Louisiana
Secretary of
State



COMMERCIAL DIVISION
225.925.4704

Fax Numbers
225.932.5317 (Admin. Services)
225.932.5314 (Corporations)
225.932.5318 (UCC)

Name	Type	City	Status
METRIC ENGINEERING, INC.	Business Corporation (Non-Louisiana)	MIAMI	Active
Previous Names			
Business: METRIC ENGINEERING, INC.			
Charter Number: 36982556F			
Registration Date: 2/9/2009			
Domicile Address			
13940 SW 136 STREET			
SUITE 200			
MIAMI, FL 33186			
Mailing Address			
13940 SW 136 STREET			
SUITE 200			
MIAMI, FL 33186			
Principal Business Office			
13940 SW 136 STREET			
SUITE 200			
MIAMI, FL 33186			
Registered Office in Louisiana			
3867 PLAZA TOWER DR.			
BATON ROUGE, LA 70816			
Principal Business Establishment in Louisiana			
1821 COMMERCIAL DRIVE			
SUITE S			

HARVEY, LA 70058

Status

Status: Active
Annual Report Status: In Good Standing
Qualified: 2/9/2009
Last Report Filed: 1/19/2022
Type: Business Corporation (Non-Louisiana)

Registered Agent(s)

Agent:	C T CORPORATION SYSTEM
Address 1:	3867 PLAZA TOWER DR.
City, State, Zip:	BATON ROUGE, LA 70816
Appointment Date:	2/9/2009

Officer(s)

Additional Officers: No

Officer:	DOUGLAS K. CAULEY, P.E.
Title:	Executive Vice-President
Address 1:	1265 CHURCH AVENUE
City, State, Zip:	CHIPLEY, FL 32428

Officer:	MARILEY PEREZ
Title:	Officer, Director, Secretary
Address 1:	13940 SW 136 STREET
Address 2:	SUITE 200
City, State, Zip:	MIAMI, FL 33186

Officer:	VICTOR M. BENITEZ
Title:	Executive Vice-President, Director
Address 1:	13940 SW 136 STREET
Address 2:	SUITE 200
City, State, Zip:	MIAMI, FL 33186

Officer:	MANUEL A. BENITEZ
Title:	Director, President
Address 1:	13940 SW 136 STREET
Address 2:	SUITE 200
City, State, Zip:	MIAMI, FL 33186

Officer:	VERONICA BENITEZ
Title:	Director, Officer
Address 1:	13940 SW 136 STREET
Address 2:	SUITE 200
City, State, Zip:	MIAMI, FL 33186

Metric Engineering License:

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

Name:	Public Address:
Metric Engineering, Inc.	Mr. Mariley Perez13940 Southwest 136th Street, Suite 200 Miami, Florida 33186

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0004017	Active	03/18/2009	09/30/2023	Mr. Douglas Kenneth Cauley # PE.0034423 - Active

Team ATSSA Certification:

ROAD WORK RESOLUTIONS LLC

Brett Morgan

52362 S. Evans Rd.

Independence, La. 70443

(985) 969-5220

October 18, 2020

To whom it may concern,

This letter is to verify that the below listed student with Metric Engineering has successfully completed the specified La. DOTD required ATSSA courses in Hammond, La. On 10/8-10/2020

La. Specific Traffic Control Technician (TCT):

Richard Bussey, Carol Bussey, Justin Hoffman, Kyle Toups, Geoff Howard, Tim Herzog, Fredrick Gibson, Tammy Authement, Tonya Ness, Dannis Jones

La. Specific Traffic Control Supervisor (TCS):

Richard Bussey, Carol Bussey, Justin Hoffman, Kyle Toups, Geoff Howard, Tim Herzog, Tammy Authement, Tonya Ness

This letter will serve as temporary proof of completion until the employees' official certificate arrives to them by mail from ATSSA. The official certificate will expire in 4 years.

If there are any questions regarding this matter, please feel free to call me or Mr. Barry Lacy of the La. DOTD. His contact information at the La. DOTD headquarters is (225) 379-1584.

Best regards,

Brett Morgan

ATTSA Certified Instructor

John Lopez, Contract Manager (Lead)



*The American Traffic Safety
Services Association*

Hereby recognizes that

John Lopez
has attended

**Traffic Control Technician-LA State Specific
Training Course**

07/05/2018

Date

Hammond, LA

Location



SAFER ROADS SAVE LIVES

Donna M. Clark
Training & Products Dept. Director

Ryan A. Wentz
President, CEO

CTQP Training History Report

Report for: john Lopez

TIN: 5674529

Report Date: 07/24/2020

Valid Qualifications

No Matching Valid Qualification Records Found

Expired Qualifications

No Matching Expired Qualification Records Found

Pending Qualifications

No Matching Pending Qualification Records Found

Requirements

Requirement Name	Result	Valid from	Expired on
QC Manager Written Exam - Rel.10	PASS	02/22/2019	01/01/2099

Certificate of Completion

John A. Lopez

**Has Completed a Florida Department of
Transportation Approved Temporary Traffic
Control (TTC) Intermediate Course.**

02/21/2023

Date Expires

145

FDOT Provider #

Ron Henley

Instructor

48078

Certificate #



A Plus Training by Ron Henley, LLC
9001 SW 124 Street
Archer,
aplustrainingbyronhenley.com
rhenley8@cox.net



For more information about Temporary Traffic
Control (TTC) or to verify this certificate

www.motadmin.com

Don Day, Contract Manager

*The American Traffic Safety
Services Association*

Hereby recognizes that

Clyde Day
has attended

Traffic Control Supervisor-LA State Specific

Training Course



SAFER ROADS SAVE LIVES

07/07/2018

Date

Hammond, LA

Location

Donna M. Clark
Training & Products Dept. Director

Ryan A. Wentz
President, CEO

*The American Traffic Safety
Services Association*

Hereby recognizes that

Clyde Day
has attended

Traffic Control Technician-LA State Specific

Training Course



07/05/2018

Date

Hammond, LA

Location

Donna M. Clark
Training & Products Dept. Director

Ryan A. Wautz
President, CEO

CTQP Training History Report

Report for: clyde day

TIN: D00010458

Report Date: 07/24/2020

Valid Qualifications

No Matching Valid Qualification Records Found

Expired Qualifications

No Matching Expired Qualification Records Found

Pending Qualifications

No Matching Pending Qualification Records Found

Requirements

Requirement Name	Result	Valid from	Expired on
QC Manager Written Exam - Rel.9	PASS	07/27/2017	01/01/2099

Molly Marcotte, Contract Manager

*The American Traffic Safety
Services Association*

Hereby recognizes that

Molly Marcotte
has attended

**Traffic Control Supervisor-LA State Specific
Training Course**

07/07/2018

Date

Hammond, LA

Location



SAFER ROADS SAVE LIVES

Donna M. Clark
Training & Products Dept. Director
Ryan A. Wentz
President, CEO

*The American Traffic Safety
Services Association*

Hereby recognizes that

Molly Marcotte
has attended

**Traffic Control Technician-LA State Specific
Training Course**

07/05/2018

Date

Hammond, LA

Location



SAFER ROADS SAVE LIVES

Donna M. Clark
Training & Products Dept. Director

Ryan A. Wentz
President, CEO

CTQP Training History Report

Report for: molly marcotte

TIN: 800466687

Report Date: 07/24/2020

Valid Qualifications

No Matching Valid Qualification Records Found

Expired Qualifications

No Matching Expired Qualification Records Found

Pending Qualifications

No Matching Pending Qualification Records Found

Requirements

Requirement Name	Result	Valid from	Expired on
QC Manager Written Exam - Rel.9	PASS	09/07/2017	01/01/2099

Certificate of Completion

Tammy L. Authement

**Has Completed a Florida Department of
Transportation Approved Temporary Traffic
Control (TTC) Intermediate Course.**

02/21/2023

Date Expires

145

FDOT Provider #

Ron Henley

Instructor

48076

Certificate #



A Plus Training by Ron Henley, LLC
9001 SW 124 Street
Archer,
aplustrainingbyronhenley.com
rhenley8@cox.net



For more information about Temporary Traffic
Control (TTC) or to verify this certificate

www.motadmin.com

CTQP Training History Report

Report for: tammy authement

TIN: 464858

Report Date: 07/24/2020

Valid Qualifications

No Matching Valid Qualification Records Found

Expired Qualifications

No Matching Expired Qualification Records Found

Pending Qualifications

No Matching Pending Qualification Records Found

Requirements

Requirement Name	Result	Valid from	Expired on
QC Manager Written Exam - Rel.10	PASS	02/22/2019	01/01/2099

Kyle Toups, Monitor Supervisor

CTQP Training History Report

Report for: kyle toups

TIN: 10267780

Report Date: 07/24/2020

Valid Qualifications

No Matching Valid Qualification Records Found

Expired Qualifications

No Matching Expired Qualification Records Found

Pending Qualifications

No Matching Pending Qualification Records Found

Requirements

Requirement Name	Result	Valid from	Expired on
QC Manager Written Exam - Rel.10	PASS	02/22/2019	01/01/2099

Certificate of Completion

Kyle P. Toups

**Has Completed a Florida Department of
Transportation Approved Temporary Traffic
Control (TTC) Intermediate Course.**

02/21/2023

Date Expires

145

FDOT Provider #

Ron Henley

Instructor

48080

Certificate #



A Plus Training by Ron Henley, LLC
9001 SW 124 Street
Archer,
aplustrainingbyronhenley.com
rhenley8@cox.net



For more information about Temporary Traffic
Control (TTC) or to verify this certificate
www.motadmin.com



*The American Traffic Safety
Services Association*

Hereby recognizes that

Rae Lynn Lopez
has attended

Traffic Control Technician-LA State Specific

Training Course



SAFER ROADS SAVE LIVES

07/05/2018

Date

Hammond, LA

Location

Donna M. Clark
Training & Products Dept. Director

Ryan A. Wentz
President, CEO

CTQP Training History Report

Report for: Rae Lopez

TIN: 6617175

Report Date: 07/24/2020

Valid Qualifications

No Matching Valid Qualification Records Found

Expired Qualifications

No Matching Expired Qualification Records Found

Pending Qualifications

No Matching Pending Qualification Records Found

Requirements

Requirement Name	Result	Valid from	Expired on
QC Manager Written Exam - Rel.10	PASS	02/22/2019	01/01/2099

Certificate of Completion

Rae L. Lopez

**Has Completed a Florida Department of
Transportation Approved Temporary Traffic
Control (TTC) Intermediate Course.**

02/21/2023

Date Expires

145

FDOT Provider #

Ron Henley

Instructor

48079

Certificate #



A Plus Training by Ron Henley, LLC
9001 SW 124 Street
Archer,
aplustrainingbyronhenley.com
rhenley8@cox.net



For more information about Temporary Traffic
Control (TTC) or to verify this certificate

www.motadmin.com



*The American Traffic Safety
Services Association*

Hereby recognizes that

John Cormier
has attended

Traffic Control Technician-LA State Specific

Training Course



SAFER ROADS SAVE LIVES

07/05/2018

Date

Hammond, LA

Location

Donna M. Clark
Training & Products Dept. Director

Ryan A. Wentz
President, CEO

Rick David, GIS/Data Analyst



*The American Traffic Safety
Services Association*

Hereby recognizes that

Richard David
has attended

**Traffic Control Technician-LA State Specific
Training Course**

07/05/2018

Date

Hammond, LA

Location



SAFER ROADS SAVE LIVES

Donna M. Clark
Training & Products Dept. Director

Ryan A. Wentz
President, CEO

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

[REDACTED]

[REDACTED]

[REDACTED]

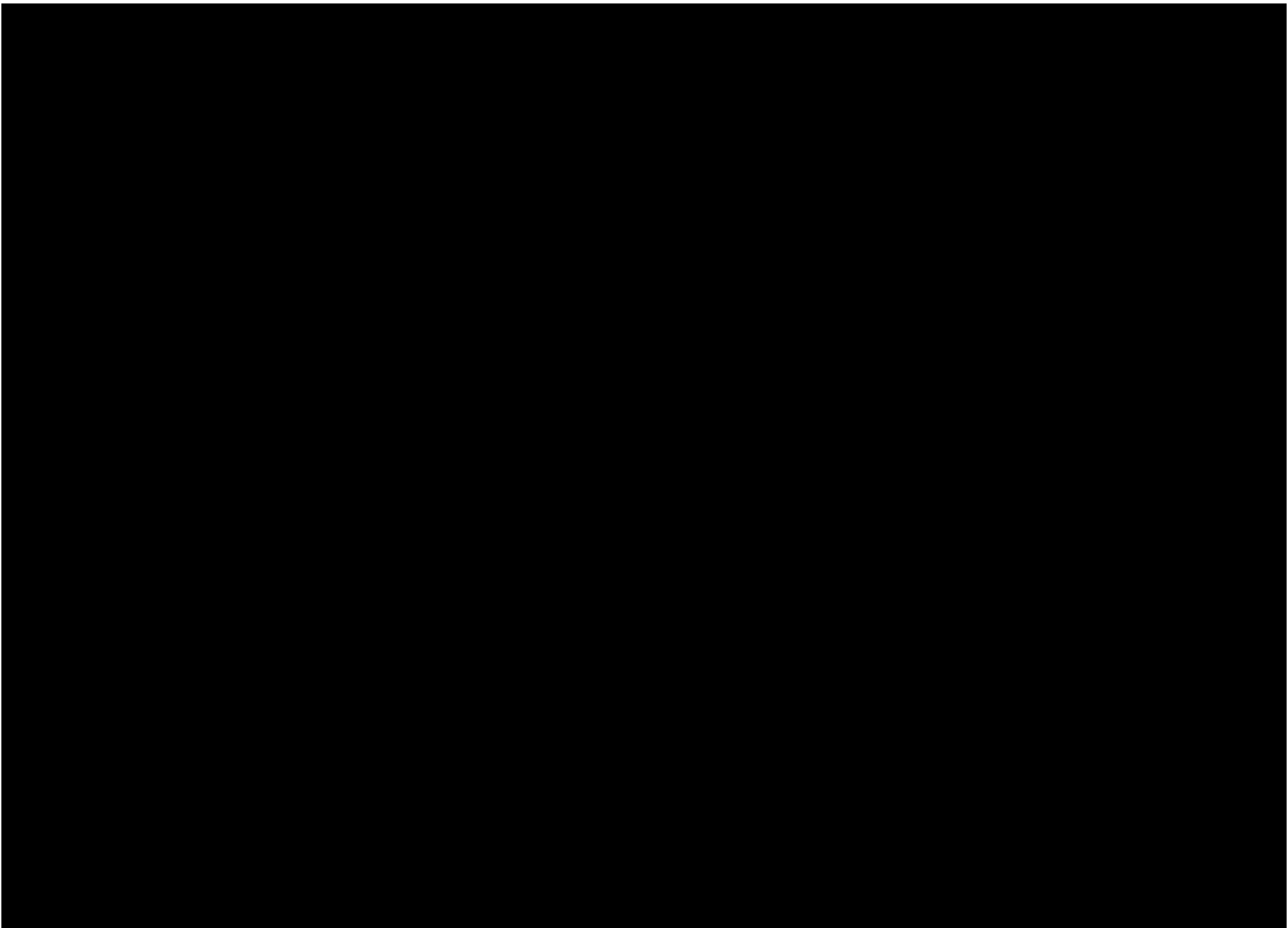
[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]



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
Metric Consulting, LLC	1821 Commercial Drive, Harvey LA 70058	Veronica Benitez	(305) 772-9519
The Workforce Group, LLC.	9544 Fenway Avenue, Baton Rouge, LA 70809	Bart Farmer	(225) 475-3360 ext 904
Volkert, Inc.	7967 Office Park Boulevard Baton Rouge, LA 70809	Jimmy Screen jimmy.screen@volkert.com	(225) 252-0172

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.

[REDACTED]