DOTD FORM: 24-102

(Revised December 12, 2024)

PROPOSAL TO PROVIDE CONSULTANT SERVICES

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

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

1. Contract Name as shown in the advertisement	IDIQ CONTRACT FOR PROFESSIONAL BOUNDARY SURVEYING SERVICES STATEWIDE WITH MAJORITY OF WORK IN DISTRICTS 08 AND 58
2. Contract Number(s) as shown in the advertisement	4400031922
3. State Project Number(s), if shown in the advertisement	
4. Prime consultant name **(name must match <u>exactly</u> as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; <u>include</u> screenshot from SOS at the end of Section 20)**	EMC, INCORPORATED OF MS (EMC) (Charter Number: 36452855F)
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	EMC, Inc. (DBA: EMC, Inc. of MS): LA license: VF.0000630
6. Prime consultant mailing address	2472 Sunset Drive, Grenada, MS 38901
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	2472 Sunset Drive, Grenada, MS 38901
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Josh S. Mattox, PLS/President (o)662.226.5166; (m) 662.392.5877 jmattox@emcsurvey.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Josh S. Mattox, PLS/President (o)662.226.5166; (m) 662.392.5877 jmattox@emcsurvey.com

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

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. **Pursuant to Act No. 581 of the 2024 Louisiana Legislature Regular Session, proposer further certifies that it does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association based solely on the entity's or association's status as a firearm entity or firearm trade association. In addition, proposer certifies it will not discriminate against a firearm entity or firearm trade association during the term of the contract based solely on the entity's or association's status as a firearm entity or firearm trade association.**	 Signature above shall be the same person listed in Section 9: 04/18/25 Date:	
11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.	Firm(s):	Firm(s)' %:

12. <u>Discipline Table:</u>
As indicated in the advertisement, insert a completed table here. The percentages for the prime and sub-consultants must total 100% for each discipline, as well as the overall total percent of the contract.

The **only** disciplines to be used are listed in the drop down in each row (Appraiser, Bridge, CE&I/OV, CPM, Data Collection, Environmental, Geotech, ITS, Other (must specify), Planning, Right-of-Way, Road, Survey, and Traffic). **Remove rows as needed.**

Discipline(s)	% of Overall Contract	Prime	Each Discipline Must total to 100%
Survey	25	100%	**100%**
Planning	20	100%	**100%**
Right-of-Way	25	100%	**100%**
Data Collection	25	100%	**100%**
Traffic	5	100%	**100%**
Percent of Contract	**100%**		

13. Firm Size:

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

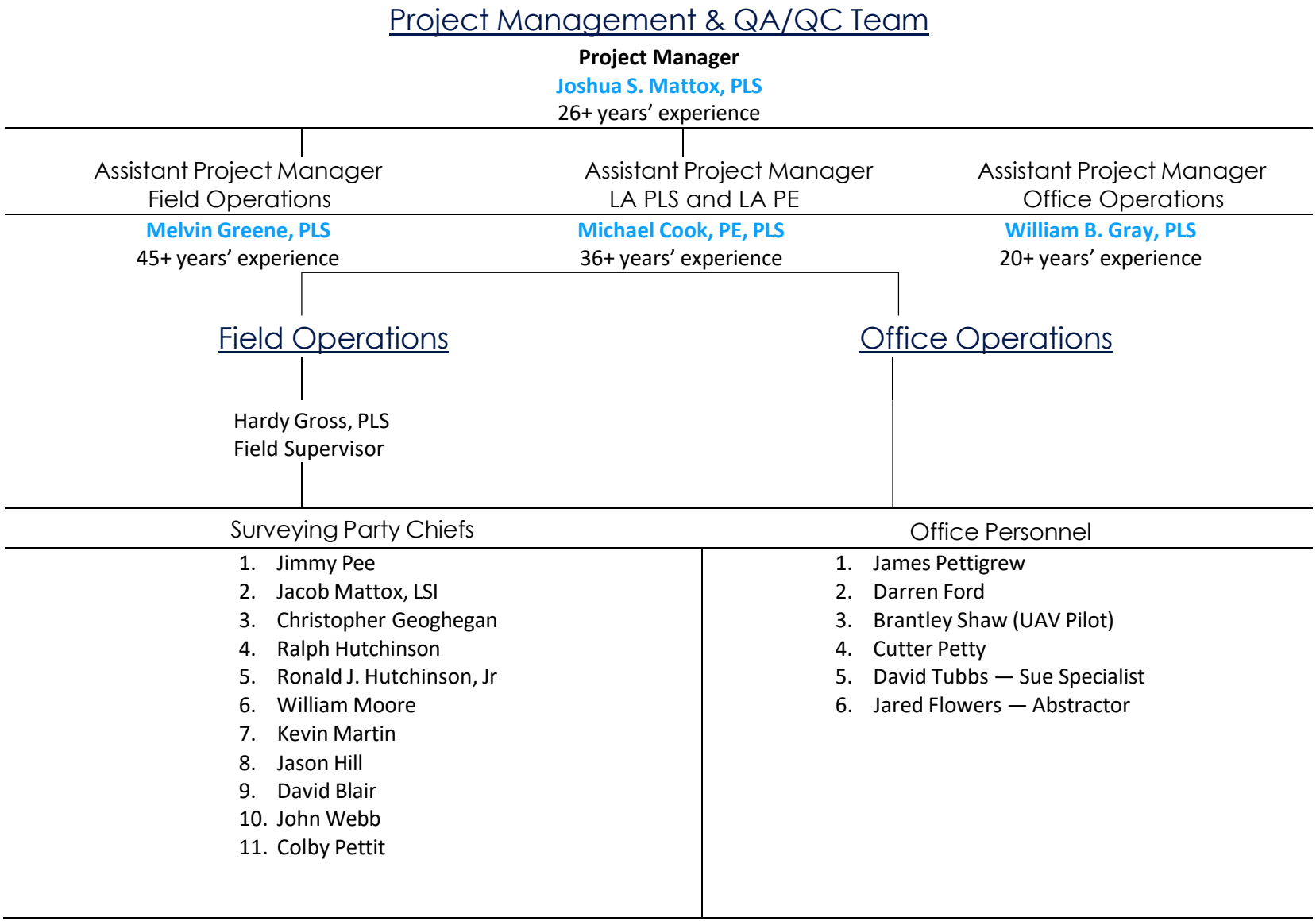
The DOTD Job Classification(s) to be used can be found at the following link: http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/CCS/Job_Qualification/Job%20Classifications%20with%20Descriptions.pdf

Firm name	DOTD Job Classification	**Number of personnel committed to this contract**	Total number of personnel available in this DOTD Job Classification (if needed)
EMC, INCORPORATED OF MS (EMC)	Project Office Manager	1	1
EMC, INCORPORATED OF MS (EMC)	Senior Technicians	2	2
EMC, INCORPORATED OF MS (EMC)	Technicians	1	1
EMC, INCORPORATED OF MS (EMC)	Surveyor	1	1
EMC, INCORPORATED OF MS (EMC)	CADD Technician	3	6
EMC, INCORPORATED OF MS (EMC)	Party Chief	7	11
EMC, INCORPORATED OF MS (EMC)	Administrative	2	3
EMC, INCORPORATED OF MS (EMC)	Technician	7	10

(Add rows as needed)

14. Organizational Chart:

Provide an organizational chart showing ALL **relevant** prime consultant and sub-consultant (if applicable) personnel assigned to the contract, area of project responsibility for each, and reporting lines for the purposes of this contract. An individual's role does not necessarily have to match their DOTD job classification identified in Section 13. **If applicable, identify all personnel performing traffic engineering analysis and/or QC of traffic engineering analysis by placing an asterisk next to their name. Include the certificates required by the Traffic Engineering Process and Report Training Requirements article of the Advertisement in Section 20.** It is acceptable to use an 11x17 format for Section 14.



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

Use the table below to identify both prime consultant and sub-consultant staff designated to work on this contract meeting the Minimum Personnel Requirements (MPRs) specified in the advertisement. Ensure the résumé reflects the required experience stated in the MPR. Make sure the P.E. discipline is also listed (highlighted in table) that is meeting the MPR; e.g. professional civil engineer should show the discipline of the license as civil if meeting that 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 and discipline meeting MPR/ certification & number (Ex: PE # - Civil)	State of license	License / certification expiration date
1	Michael O. Cook, PLS, PE	EMC, INC. OF MS	PLS # - 0004879	LA	09/30/2026
2	Michael O. Cook, PLS, PE	EMC, INC. OF MS	PE # - 0028912	LA	09/30/2026

(Add rows as needed)

16. <u>Staff Experience:</u>

Please find Resumes below.

Firm employed by EMC, Inc. of MS				
Name	**Michael Cook, PE, PLS**		Years of relevant experience with this employer	13
Title	**Assistant Project Manager, LA PLS and PE**		Years of relevant experience with other employer(s)	23
Degree(s) / Years / Specialization			B.S.1992 / Civil Engineering; M.E. / Civil Engineering; M.B.A. / Business Administration	
Active registration number / state / expiration date			**PLS: LA** (#4879) Exp 09/2026; MS (#2538) Exp. 12/2026; GA (#2903,) Exp 12/2025; AZ (#47374,) exp. 03/2026; KS (#1425) exp. 03/2026; NC (#L-4672) Exp. 12/2025 **PE: LA** (#28912) Exp. 09/2026; MS (#11395) Exp. 12/2026	
Year registered	2001/LA PLS 2008/ KS PLS 1991/ MS/PLS 2007/ NC PLS 2008/ AZ PLS 2002 GA/PLS 2000/ LA PE 1992/ MS PE	Discipline	LA Professional Land Surveyor and LA Civil Engineer	
Contract role(s) / brief description of responsibilities			Assistant Project Manager, LA PLS	

With an extensive 36-year tenure in the surveying and engineering realm, Mr. Cook assumes the pivotal role of Louisiana Professional Land Surveyor in-charge for EMC's accomplished team. His seasoned background encompasses diverse projects, notably contributing to numerous surveying and engineering government contracts, with a noteworthy portfolio that includes collaborations with the US Army Corps of Engineers, Natural Resource Conservation Services, U.S. Fish and Wildlife, Coastal Protection and Restoration Authority Projects, etc. Mr. Cook is set to play a proactive role in coordinating seamless survey coordination. His wealth of experience will be instrumental in providing expert guidance for the execution of surveying services, ensuring quality control across fieldwork, and office processes.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
05/24 – 06/24	**Upper Barataria Reach G, Paradis, LA (Client: USACE, New Orleans) -** Civil Engineer & PLS - The USACE tasked EMC to perform a topographic survey of an access area and marsh area at requested locations. The survey commenced on May 23, 2024, and concluded on June 21, 2024. The purpose of the survey was to support hydraulic modeling efforts. Mr. Cook oversaw work plans, provided technical assistance, and provided surveying expertise in order to complete the task order. Cost: $130,595.04
12/19 – 12/24	**Easement Boundary Survey Services for Natural Resources Conservation Services (NRCS) Throughout the States of Louisiana** - EMC has an ongoing relationship with the NRCS of LA providing legal boundary surveying services for the Agricultural Conservation Easement Program (ACEP) Wetland Reserve Program, Watersheds Protection Program, Grasslands Reserve Program, and the Farm/Ranchland Protection Program. Our surveying services include boundary surveys, researching deeds of owners and adjoiners, surveying the property, setting monuments, mapping, creating legal descriptions and digital plats. Mr. Cook was EMC's lead PLS for this contract in providing easement boundary surveys for many different NRCS programs. Under this current contract EMC has provided 49 easement boundary services throughout the 15 Parishes in Louisiana over the last 5 years. Cost: $2,350,147.81

09/24 – 11/24	**MTG Reach A Initial Survey, Terrebonne Parish, LA (Client: USACE, New Orleans)** - Civil Engineer & PLS – EMC was tasked with performing a topographic survey to verify new levee centerline, locate PBMs and run loops. Mr. Cook managed this project as the PE and LA PLS for EMC to ensure accuracy and provide expertise on the completion of this survey. Cost: $119,738.28
02/23 – 09/23	**Hydraulic, Topographic and Subsurface Investigation Surveys along Highway 49 South of Yazoo City, MS (Client: HDR) -** HDR contracted EMC to locate utilities and conduct hydraulic surveys along Highway 49 in Yazoo County, MS. The scope included various critical aspects such as intersections, slide/washout areas, repair zones, frontage road sections, hydraulic features, utility and drainage structure assessments, and tree surveys in specified areas. Mr. Cook as EMC's Civil Engineer, ensured accuracy through research and quality control. Project cost: $112,986.78.
01/24 – 04/24	**Removable Barrier Project, Starr and Hidalgo, TX (Client: USACE, Fort Worth)** - Civil Engineer & PLS - The USACE tasked EMC to perform boundary, control, utility and easement acquisition surveys along 31 tracts of various size land in Starr and Hildalgo Counties, TX. The Metes and Bounds, topographic, and utility surveys were conducted, as well as the creation of parcel descriptions in support of boundary acquisition & easements along the national border. Mr. Cook as EMC's Civil Engineer, ensured accuracy through research and quality control. Project cost: $549,151.75
09/23 – 12/23	**Surveying Services for SELA 73, Gen DeGaulle Drainage Canal Enhancements & P&S Development New Orleans, LA (Client: USACE, New Orleans) -** Civil Engineer and PLS in-charge, Mr. Cook oversaw work plans, provided technical assistance, and provided surveying expertise in order to complete the survey requirements on this task order. The survey was necessary to facilitate the engineering and design of drainage canal enhancements, and P&S development. Cost: $390,455.74

Firm employed by EMC, Inc. of MS				
Name	**Joshua S. Mattox, PLS**		Years of relevant experience with this employer	26
Title	**Contract and Project Manager**		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			BS / Land Surveying / 2005 / Mississippi State University	
Active registration number / state / expiration date			Professional Land Surveyor: MS (#3005) Exp.12/2026 ; SC (#26604) Exp. 06/2026; ND (#8168) Exp. 12/2026	
Year registered	2006 MS #-3005; 2008 SC #-26604; 2012 ND #-11478	Discipline	Professional Land Surveyor	
Contract role(s) / brief description of responsibilities			Project Manager	

Mr. Joshua S. Mattox, a registered professional land surveyor in four states and the President of EMC, Inc. oversees EMC's nationwide operations and has managed 18 successful indefinite delivery/indefinite quantity surveying contracts for government agencies. As the single point of contact for this contract, Mr. Mattox holds authority over decision-making, proposal submission, price negotiation, and contract management. He plays a key role in estimating, negotiating, scheduling, planning, and monitoring every project. Additionally, Mr. Mattox contributes significantly to EMC's QA/QC team, ensuring the accuracy of surveying data before submission.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
01/23 - Ongoing	**MDOT Professional Surveying Services Master Contract -** Mr. Mattox is the contract manager and professional land surveyor in-charge of this surveying and mapping master contract with MDOT. Some of surveying services under this contract have been boundary, topographic, ground based mobile lidar, and hydrographic surveying.
01/23 - Ongoing	**MDOT Professional Photogrammetry and LiDAR Services Master Contract -** Mr. Mattox is the contract manager and professional land surveyor in-charge of this surveying and mapping master contract with MDOT. Some of surveying services under this contract have been aerial imagery, aerial LiDAR, topographic, ground based mobile lidar, and hydrographic surveying.
12/19 – 12/24	**Easement Boundary Survey Services for Natural Resources Conservation Services (NRCS) of Louisiana -** Contract & Project Manager - EMC has an ongoing relationship with the NRCS of Louisiana providing legal boundary surveying services for the Agricultural Conservation Easement Program (ACEP) Wetland Reserve Program, Watersheds Protection Program, Grasslands Reserve Program, and the Farm/Ranchland Protection Program. Our surveying services include boundary surveys, researching deeds of owners and adjoiners, surveying the property, setting monuments, mapping, creating legal descriptions and digital plats. Under our current contract EMC has conducted 49 easement boundary surveys totaling $2,350,147.81 in surveying fees over the last 5 years.
09/23 – 02/24	**West Atchafalaya Basin Protection Levee, St. Mary Levee District, W-99 Levee Enlargement B/L Sta. 5094-50 to B/L Sta. 5314+00, St. Mary Parish, LA (Client: USACE, New Orleans) -** EMC was tasked to extend the topographic cross-section survey along the West Atchafalaya Basin Protection Levee, a continuation of Job #23-035C. Covering the stretch from B/L Sta. 5094+50 to B/L Sta. 5314+00 in St. Mary Parish, LA, This survey aimed to augment existing data for comprehensive plans and specifications. Mr. Mattox was the Project Manager for this project. Mr. Mattox oversaw the planning and completion of these Static GPS, RTK/GPS, and Geodetic Leveling Surveys. He also provided his surveying expertise to surveying crews as they collected topographic data for this project and performed quality control checks before final submittal. Cost:$577,035.29

05/24 – 07/24	**ALTA Survey for TCC Survey Support to RSFO, San Antonio, Bexar County, TX (Client: USACE, Fort Worth)** - Project Manager - **E**MC, Inc. was contracted to provide ALTA survey services for four parcels, all located in, San Antonia, TX. The survey effort entailed Static GPS Control surveying, RTK and conventional topographic surveying, mobile lidar surveying and boundary retracement surveying. Mr. Mattox was the Project Manager for this project. Mr. Mattox oversaw the planning and completion of these various surveys. Cost: $497,785.58
10/22 – 02/23	**Hydraulics Surveys for the Mississippi Department of Transportation, Eight Sites throughout The State of Mississippi (Client: HDR) –** EMC performed hydraulic surveys at Phillip Bayou, Bayou LaCroix, Bayou Talla and Horn Lake sites. Mr. Mattox was the project manager for this project. He played a vital role during the estimating, planning and oversight of this task. Furthermore, Mr. Mattox reviewed the surveying data, provided his surveying expertise, and assisted in the final review before submittal. Cost: $104,150.72

Firm employed by EMC, Inc. of MS				
Name	**Melvin Greene**		Years of relevant experience with this employer	34
Title	**Assistant Project Manager, Field Operations**		Years of relevant experience with other employer(s)	11
Degree(s) / Years / Specialization			BS / Business / University of Southern Mississippi	
Active registration number / state / expiration date			Professional Land Surveyor: MS (#1822) Exp. 12/2025; TN (#1871) Exp. 12/2025 ; KY (#3958) Exp. 06/2025	
Year registered	1979 MS # 1822; 1996 TN # 1871; 2010 KY # 3958	Discipline	Professional Land Surveyor	
Contract role(s) / brief description of responsibilities			Assistant Project Manager, Field Operations	

With over 45 years of surveying experience, Mr. Greene, EMC's Assistant Project Manager for three decades, oversees field operations and ensures surveying crews are well-equipped and trained. He plays a vital role in establishing field processes, estimating projects, and enforcing safety procedures. With recent training in various surveying techniques and certifications, Mr. Greene brings extensive knowledge and expertise to EMC's projects. Courses included Static & RTK/OTF GPS Certificate/Trimble; Coastal Multi-Beam Sonar Training Course/ NOAA & Hydrographic Commission; Processing GPS Data Using the NGS PAGES and ADJUST Software Training Course/ NOAA & National Geodetic Survey; First Aid & CPR, OSHA 40.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
09/24 – Ongoing	**Hydraulic, Topographic, and Boundary Surveys US 61 from Natchez Trace to 4 Lane North of Port Gibson, Claiborne County, MS (Client: MDOT) -** This project involved hydraulic, topographic, and boundary surveys along US 61 in Claiborne County, Mississippi, using Trimble GPS systems and total stations to collect data for floodplain, roadway, stream, and utility profiles, with boundary surveys. As Assistant Project Manager, Mr. Greene directly oversees the field operations, and manages data collection for these topographic, hydraulic and boundary surveys. He also assigned the crews for each task; and performed the daily quality control checks of the all-field operations. Cost to date: $678,604.28
05/23 – Ongoing	**Easement Boundary Surveying Services for the Natural Resource Conservation Service (NRCS) throughout the State of Mississippi -** Mr. Greene is the Assistant Project Manager overseeing the field operations. Under this contract, EMC performed approximately 15 easement legal boundary surveys for the NRCS of Mississippi over the last 2 years. Our boundary services included researching deeds of owners and adjoiners, surveying the property, setting monuments and witness post, creating legal descriptions and digital plats. Cost to date: $412,147.09
12/19 – 12/24	**Easement Boundary Survey Services for Natural Resources Conservation Services (NRCS) Throughout the States of Louisiana** - Mr. Greene serves as the Assistant Project Manager, responsible for overseeing field operations directly. Under the current contract for the last 5 years, he has been responsible for coordinating field operations, attended pre-survey meetings, establishes boundaries, and ensures that field data meets all standards. With this contract, EMC developed legal easement boundary survey plats and associated legal descriptions for the NRCS. Under our current contract, EMC has completed 49 easement boundary surveys, totaling $2,350,147.81 in surveying fees.
01/24 – 04/24	**Removable Barrier Project, Starr and Hidalgo, TX (Client: USACE, Fort Worth)** - The USACE tasked EMC to perform boundary, control, utility and easement acquisition surveys along 31 tracts of various size land in Starr and Hildalgo Counties, TX. The Metes and Bounds, topographic, and utility surveys were conducted, as well as the creation of parcel descriptions in

	support of boundary acquisition & easements along the national border. As the assistance project manager over field operation, Mr. Greene was essential with assigning staff, managing data collection, and performing daily quality control checks. Project cost: $549,151.75
01/22 – 12/22	**Sabine Pass to Galveston Bay Freeport and Vicinity Coastal Storm Risk Management (CSRM) Project in Freeport, TX. (USACE, Galveston) -** Mr. Greene is the Assistant Project Manager overseeing the field operations. Mr. Greene provided his surveying expertise and was a part of the final review process for these parcel research, planimetric surveys, topographic surveys, bathymetric surveys, and utility surveys at specified locations for the Sabine Pass to Galveston Bay Project. Cost: $717,879.15
04/22 – 07/22	**Topographic Survey for St. James Ring Levee Construction, St. James Parish, LA (Client: USACE, New Orleans) -** As the Assistant Project Manager, Mr. Greene directly oversaw the field operations for this task order. He created the GPS plan, managed the data collection, and processed Static GPS data. From there, Mr. Greene assigned field crews to collect the RTK GPS and conventional data required for this topographic and cross-section surveys needed for the construction of the Ring Levees around the Grand Point and Grammercy neighborhoods. He also reviewed the data to ensure its quality before transferring it to the office to be mapped. Cost: $207,357.47

Firm employed by EMC, Inc. of MS				
Name	**William B. Gray, PLS**		Years of relevant experience with this employer	19
Title	**Assistant Project Manager, Office Operations**		Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization			BS / Land Surveying / 2010/ Mississippi State University	
Active registration number / state / expiration date			Professional Land Surveyor: MS (#3154) Exp. 12/2026 ; TX (#6478) Exp. 12/2026 ; NM (#20162) Exp. 12/2026	
Year registered	2010/ MS PLS 2010/ NM PLS 2012/ TX PLS	Discipline	Professional Land Surveyor	
Contract role(s) / brief description of responsibilities			Assistant Project Manager, Office Operations	

Mr. Gray, an EMC Assistant Project Manager, has a strong technical surveying background and has shaped data collection, processing, mapping, and quality control procedures for various government contracts. He has successfully managed these aspects for numerous surveys throughout the United States. Mr. Gray is trained in OPUS-Projects Manager, Trimble GPS, NOAA/NGS GPS data processing, Sensors & Software utility locating, and Riegl USA software.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
09/24 – Ongoing	**Hydraulic, Topographic, and Boundary Surveys US 61 from Natchez Trace to 4 Lane North of Port Gibson, Claiborne County, MS (Client: MDOT) -** This project involved hydraulic, topographic, and boundary surveys along US 61 in Claiborne County, Mississippi, using Trimble GPS systems and total stations to collect data for floodplain, roadway, stream, and utility profiles, with boundary surveys covering 33 property owners. Mr. Gray as assistant project manager, He provides expertise, supervision, and does final quality control check prior to submittal. Cost to date: $678,604.28
03/24 – 06/24	**Yalobusha River Bridge No. 64.1 and 64.9. Grenada County, MS (Client: MDOT) –** EMC was tasked with collecting boundary and topographic data for State Road 8 over the Yalobusha River Bridge 64.1 and Slough Creek Bridge No. 64.9. Mr. Gray is EMC's assistant project manager overseeing all of EMC's office operations. He provides expertise, supervision, and does final quality control check prior to submittal. Cost: $126,572.29
09/23 – 12/23	**Surveying Services for SELA 73, Gen DeGaulle Drainage Canal Enhancements & P&S Development New Orleans, LA (Client: USACE, New Orleans) –** EMC was tasked with obtaining cross section and topographic data for creating topographic maps, DTMs, and cross-sections crucial for the engineering and design phases of various projects including the PS #13 addition, Gen DeGaulle drainage canal enhancements, and P&S development. Mr. Gray, Assistant Project Manager- Office operations, oversaw the processing of data as it was delivered to the office daily. He did final quality control check prior to submittal. Cost: $390,455.74
01/24 – 04/24	**Removable Barrier Survey Project, Starr and Hidalgo Counties, Texas (Client: USACE, Fort Worth) -** Assistant Project Manager & PLS In-Charge, Mr. Gray, a seasoned Professional Land Surveyor registered in the state of Texas, demonstrated exceptional leadership and expertise in overseeing both field and office operations for 29 boundary surveys. He corrected field data, processed it for mapping, established boundaries, and conducted final quality control. Cost: $549,151.75.
07/23 – 02/24	**Boundary and Topographic Survey for Sate Road (SR) 32 over Quiver River (Bridge No. 29.0), Parchman, Sunflower Co. MS (Client: MDOT) –** EMC conducted boundary hydraulic, topographic, and boundary surveys for Bridge No. 29 over the Quiver River along State Road (SR) 32 in Sunflower County, Mississippi. Data collected in the field was processed using

	Trimble Business Center software and transmitted to the office. Once the data was received in the office it was then imported into Bentley OpenRoads Designer for mapping. Mr. Gray, **as EMC's assistant project manager oversees all of EMC's office operations.** He ensured the final deliverables adhered to appropriate MDOT design standards. Cost: $107,160.15
02/23 – 09/23	**Utility and Hydraulic Surveys along US HWY 49 in Yazoo County, MS (Client: HDR) -** EMC was contracted by HDR to locate all utilities and perform hydraulic surveys at numerous locations along Highway 49 in Yazoo County, MS. The project scope included various critical aspects such as intersections, slide/washout areas, repair zones, frontage road sections, hydraulic features, utility and drainage structure assessments, and tree surveys. The survey covered specified areas comprising key roads like Dover Road, Fletchers Chapel Road, Castle Chapel Road, an Access Road to the gravel pit, and Myrleville Road. Mr. Gray oversaw all the office staff and provided expertise with surveying. He performed quality control on all data before submittal. Project Cost: $112,986.78.

Firm employed by EMC, Inc. of MS				
Name	**William H. Gross**		Years of relevant experience with this employer	11
Title	**Survey Supervisor**		Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization				
Active registration number / state / expiration date			Professional Land Surveyor: MS (#31198) Exp. 12/2026	
Year registered	2020 / MS PLS	Discipline	Professional Land Surveyor	
Contract role(s) / brief description of responsibilities			Survey Supervisor	

Mr. Gross began his surveying career with EMC as an Instrument man and work his way up the ladder to become a party chief. Now with over a decade of surveying experience and knowledge he is one of EMC's Survey Supervisors. As a Survey Supervisor, Mr. Gross has managed many different types of surveying projects. While he has successfully completed numerous projects throughout the United States, most of his experience has been within the Mississippi Valley Division boundaries while working on several Corps and other government contracts. He has supervised the field operations for boundary, horizontal and vertical control, topographic and hydrographic surveys. His training includes First Aid\CPR, Boat & Water Safety Course and Army iWATCH Security Program.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
12/19 – 12/24	**WRP Easement Real Estate Boundary Survey Services, State of Louisiana (Client: NRCS of Louisiana) –** Survey Supervisor - Mr. Gross conducted meetings with the NRCS and land owners prior to commencing the surveying operations. He also manages the field crews as they use GPS and conventional surveying methods to establish project controls, collect boundary evidence, set monumentation including NRCS post and signs on many different projects located throughout the State of Louisiana for an ongoing Easement Real Estate Boundary Surveying contract EMC for the NRCS. Cost: $2,350,147.81
06/24 – 07/24	**Annual Multibeam Surveys of Surge Barrier, Seabrook, Old BB Gate, Seabrook Airport Seabrook (Client: Flood Protection Authority – East) -** Survey Supervisor - Mr. Gross played a vital role in the planning and execution collecting the field data on these annual multibeam surveys. The purpose of the survey was to inspect for possible scouring on the North side of the Seabrook structure and shallow areas around the Surge Barrier. He also provided his surveying expertise to surveying crews as they collected data for this project. Cost: $39,460.00
08/21 – 08/23	**Aerial, Topographic and LiDAR survey of SR4 Roadway, Marshall and Tate County, MS (Client: Mississippi Department of Transportation) -** EMC was tasked to perform an Aerial Imagery/LiDAR survey for SR-4 roadway corridor project located in Marshall and Tate County, Mississippi. EMC's team established 31 ground control points and collected additional topographic data using Trimble GPS systems. For the aerial imagery and LiDAR, the EMC's team used a Caravan that was outfitted with an Optech Galaxy T2000 LiDAR system and an Ixu-rs 1000 camera system. The team acquired 23 passes of the area of interest as a series of perpendicular and/or adjacent flight-lines. Mr. Gross was one of the Survey Supervisors who provided expertise to the survey crews and ensured the crews completed survey to standard. Cost: $165,877.20
03/24 – 06/24	**Yalobusha River Bridge, State Road 8 Bridge No. 64.1 and 64.9 Replacement, Grenada County, MS (Client: MDOT) –** This project involved hydraulic, topographic, and boundary surveys along Highway 8, including bridges over the Yalobusha River (Bridge No. 64.1) and Slough Creek (Bridge No. 64.9) in Grenada County, Mississippi. Mr. Gross is EMC's survey supervisor. He directly oversaw the crew as they completed this survey which covered approximately seven different property owners, along with adjacent properties on both sides of the survey limits. It also extended an additional 500 feet along local roads beyond these limits or up to two properties along each respective roads. Cost: $126,572.29

06/23 – 08/23	**WBV HSDRRS Mitigation Swamp and BLH Wet Monitoring Survey Highway 307, Lafourche Parish (Client: USACE, New Orleans) -** Field Supervisor, Mr. Gross, supervised the surveying crews as they performed the topographic, and cross-section survey. This survey was performed to ensure that the constructed gap cuts were within contract compliance. Cost: $132,0143.91
08/22 – 06/23	**Parcel Research, Topographic, Planimetric, Bathymetric and SUE Surveying Services for the Sabine Pass to Galveston Bay Orange County Coastal Storm Risk Management (CSRM), Orange County, TX (Client: USACE, Galveston) -** This task order which included EMC performing parcel research, planimetric surveys, topographic surveys, bathymetric surveys, and utility surveys at specified locations for the Sabine Pass to Galveston Bay Freeport and Vicinity CSRM Project. These surveys were integral to the broader Sabine Pass to Galveston Bay CSRM Project, focused on Orange and Bridge City, TX. EMC created and submitted Survey, Quality Control, and Accident Prevention Plans, aligning with project scope, site conditions, and safety protocols. Mr. Gross, was EMC's Survey Supervisor for this task order. Cost: $3,489,640.23

Firm employed by EMC, Inc. of MS				
Name	**Jimmy Pee**		Years of relevant experience with this employer	37
Title	**Party Chief**		Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization				
Active registration number / state / expiration date				
Year registered		Discipline		
Contract role(s) / brief description of responsibilities			Party Chief	

Mr. Pee is one of EMC's veteran Party Chiefs whom throughout most of his career has performed land and hydrographic surveys for the USACE throughout the Mississippi Valley Division. He has a proven history of successfully completing many different types of surveys with vast knowledge and understanding of geodetic control, construction, topographic, real estate boundary, conventional, SUE, GIS field, and hydrographic surveys. In addition, Mr. Pee is very familiar with surveying methods and equipment. His training includes First Aid\CPR and Boat\Water Safety Courses.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
03/24 – 06/24	**Legal Boundary Surveys for NRCS ACEP Wetland Reserve Easement, Betty Lipps Stuard, Point Coupee Parish, LA (Client: NRCS LA) -** Party Chief – For this task order included EMC performing a boundary survey for the WRE program. Mr. Pee led his crew in collecting the cadastral data utilizing Trimble R10-2 and R12 RTK GPS Antenna and Receiver systems. This project covered 41.34-acres. Cost: $27,961.19
08/22 – 06/23	**Parcel Research, Topographic, Planimetric, Bathymetric and SUE Surveying Services for the Sabine Pass to Galveston Bay Orange County Coastal Storm Risk Management (CSRM), Orange County, TX (Client: USACE, Galveston) -** Mr. Pee was a Party Chief for this task order which included EMC performing parcel research, planimetric surveys, topographic surveys, bathymetric surveys, and utility surveys at specified locations for the Sabine Pass to Galveston Bay Freeport and Vicinity CSRM Project. He helped establish the project control and collected the field boundary and topographic data using Trimble GPS systems. Cost: $3,489,640.23
07/22 – 01/23	**McHugh Road Comite River Diversion Survey, East Baton Rouge Parish, LA (Client: USACE, New Orleans)-** Party chief, Mr. Pee used static GPS, RTK GPS and conventional methods to collect the cross-section and topographic data for this project. The data was used for the purpose of P and S design layout of the flood protection measures within the area. Cost: $32,786.85
06/23 – 08/23	**WBV HSDRRS Mitigation Swamp and BLH Wet Monitoring Survey Highway 307, Lafourche Parish (Client: USACE, New Orleans) -** Party Chief - Mr. Pee used static GPS, RTK GPS and conventional methods to collect the cross-section and topographic data for this project that was performed to ensure that the constructed gap cuts were within contract compliance. Cost: $132,014.91
05/22 – 06/22	**Monitoring Survey for the Comite River Diversion Reach 4, East Baton Rouge Parish, LA (Client: USACE, New Orleans) -** Party Chief, Mr. Pee conducted this cross-section and topographic using GPS and conventional methods. The data was needed to monitor the construction process of the river diversion system. Cost: $11,168.02
02/22 – 03/22	**Comite River Diversion Channel Reach 2A, East Baton Rouge Parish, LA (Client: USACE, New Orleans) -** Mr. Pee was the party chief for this survey completing this survey. Mr. Pee accomplished the requirements for this survey which included locating the baseline, layout new centerline, locate PBMs, verify elevations, record elevation, and take cross sections survey taken every 100 feet. Cost $32,786.85

Firm employed by EMC, Inc. of MS				
Name	**Jacob Mattox, LSI**		Years of relevant experience with this employer	24
Title	**Party Chief**		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			BS / Land Surveying / 2007 / Mississippi State University	
Active registration number / state / expiration date			Land Survey Intern: MS #- 497	
Year registered	2007/ MS LSI	Discipline	Land Survey Intern	
Contract role(s) / brief description of responsibilities			Party Chief	

Mr. Mattox is a Party Chief, who not only has land surveying experience, but he also specializes in hydrographic surveying for EMC. Over his career, he has gained vast hydrographic surveying experience on most major waterways throughout the Southeast, including the Gulf of Mexico, while working for both government agencies (USACE) as well as private clientele. Mr. Mattox specializes in the technical software and equipment, including but not limited to satellite positioning systems, sonars, single and multibeam echo sounders, ADCP, laser scanners and mobile LiDAR. His training includes OSHA 10, Hazwoper, First Aid\CPR, Boat & Water Safety Course and NOAA Shallow-Water Multibeam Sonar Training Courses.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
05/23 – 02/24	**Hydrographic and Topographic Surveying Services for Chandeleur Island Restoration Project, Chandeleur Island, Gulf of Mexico (Client: CEC) -** EMC was contracted by CEC to perform the required topographic, bathymetric, magnetometer, and cultural resource assessment surveys for the Chandeleur Island Restoration Project which is located on the Chandeleur Islands in St. Bernard Parish, Louisiana. The purpose of the project is to engineer and design a restoration project benefitting the Chandeleur Islands and the many species that use them with a particular focus on birds. For this project, Mr. Mattox was one of EMC's hydrographic party chiefs for this project. Cost: $680,007.25
04/23 – 08/23	**Interstate 10 Hydrographic and Mobile LiDAR Surveying Services, Mobile, AL (Client: Kiewit Engineering)-** EMC was task to collect hydrographic and mobile LiDAR data at specified areas within the I-10 corridor near Mobile, Alabama. Multibeam data collection was performed using a Reason T50 multibeam coupled with a Applanix PosMV inertial navigation system. Mr. Mattox was a hydrographic party chief for this project. Cost: $265,500.00
09/23 – 02/24	**West Atchafalaya Basin Protection Levee, St. Mary Levee District, W-99 Levee Enlargement B/L Sta. 5094-50 to B/L Sta. 5314+00, St. Mary Parish, LA (MVN) -** EMC was tasked to extend the topographic cross-section survey along the West Atchafalaya Basin Protection Levee, a continuation of Job #23-035C. Covering the stretch from B/L Sta. 5094+50 to B/L Sta. 5314+00 in St. Mary Parish, LA, This survey aimed to augment existing data for comprehensive plans and specifications. Mr. Mattox was one of the Party Chiefs who collected the Static GPS, RTK/GPS, and Geodetic Leveling Surveys. He assisted in the office with mapping and aiding wherever needed to ensure successful completion of this task order that included topographic and utility data surveys. Cost: $577,035.29
10/23 – 10/23	**I-20 Bridge Multibeam Hydrographic & Mobile LiDAR Survey, Vicksburg, MS (Client: Ardaman & Associates, Inc) -** Party Chief - This project spanned multiple years and focused on construction monitoring, entailing a thorough survey of the I-20 bridge and riverbed. The survey aimed to evaluate the condition of the river bottom and pilings. Utilizing our advanced Reson T20 Multibeam System and Reigl VMX-450, EMC successfully collected the hydrographic and LiDAR data required for this construction monitoring survey of the Interstate 20 bridge and riverbed in Greenville, MS. Mr. Mattox was instrumental in

	ensuring this task order was completed and met USACE Standards. He managed this survey and ensured the data was collected at each phase of this project. Cost: $25,500.00
09/21 – 03/22	**ADCP Measurements along the Mississippi River at locations in Helena, AR, Memphis, TN and Hickman, KY (Client: USACE, Memphis) -** Party Chief - EMC was contracted to conduct divided flow surveys along the Mississippi River. EMC utilized ADCP technology and DGPS positioning. Over a six-month period, for a total of 15 times, these ADCP surveys were completed to collect data included measurements of total flow, velocity, water surface elevation, temperature at specific location, elevation, date, and time. Mr. Mattox was a Party Chief that was essential in obtaining the data. Cost: $100,161.70
11/20 – 04/22	**Pre and Post Construction Survey including Topographic, Hydrographic, Magnetometer, Aerial Surveys at North Breton Island, Louisiana, Gulf of Mexico (Client: Ramboll Americas Engineering Solutions. Inc)-** This survey request included the use of RTK GPS, hydrographic sounding as well as the use of a magnetometer system. EMC utilized single beam technology and a Geometrics G882 magnetometer, along with HYPACK software to perform the hydrographic surveys. Mr. Mattox was one of the hydrographic party chief for this project. Cost: $101,931.00

Firm employed by EMC, Inc. of MS				
Name	**Christopher Geoghegan**		Years of relevant experience with this employer	6
Title	**Party Chief**		Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization				
Active registration number / state / expiration date				
Year registered		Discipline		
Contract role(s) / brief description of responsibilities			Party Chief	

With over 18 years of experience, Mr. Geoghegan has gained vast knowledge of the surveying industry. He serves EMC as one of our Survey Party Chiefs. Mr. Geoghegan takes an active role and supervises the work performed by his surveying crew in the field. He ensures that proper procedures and accurate reporting occurs, and that supporting documentation analysis is collected (e.g., photographs, sketches, etc.). Once all necessary findings are collected, Mr. Geoghegan ensures data is accurately reported to EMC's office operations. In addition, Mr. Geoghegan specializes in the technical software and equipment, including but not limited to, Trimble Access, Trimble GPS satellite positioning systems, Topcon and Nikon total stations, Leica digital levels, et cetera.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
07/24 – 12/24	**Legal Boundary Surveys for NRCS ACEP Wetland Reserve Easement Number 54-7217-24-01YW8, Andrew Richard Hazel, et al, Tensas Parish, LA (Client: NRCS LA) –** Mr. Geoghegan was one of EMC's party chiefs that led his crew in collecting the boundary data utilizing Trimble R10-2 RTK GPS Antenna and Receiver systems. This task order was a boundary survey that covered 60.26 - acres of the Wetlands Reserve Easement within Tensas Parish, Louisiana. This survey included developing a plat of the survey, associated legal description, installing NRCS posts at each boundary corner and replacing missing monuments as needed. Cost: $27,868.19
09/23 – 12-23	**Surveying Services for SELA 73, Gen DeGaulle Drainage Canal Enhancements & P&S Development New Orleans, LA (Client: USACE, New Orleans) -** Party Chief, Mr. Geoghegan as crew leader in charge of a crew obtaining cross section and topographic data utilizing RTK/GPS methods that were essential for creating topographic maps, DTMs, and cross-sections crucial for the engineering and design phases of various projects including the PS #13 addition, Gen DeGaulle drainage canal enhancements, and P&S development Cost: $390,455.74
07/23 – 09/23	**Upper Barataria Channels, Hydraulic Structures and Bathymetry between Raceland, Des Allemands, Bayou Gauche and Paradis, LA (Client: USACE, New Orleans) -** The US Army Corps of Engineers tasked EMC with conducting comprehensive surveys crucial for hydraulic modeling, encompassing channels, hydraulic structures, and bathymetry. To ensure precision and accuracy, EMC employed a suite of advanced techniques including Static GPS, RTK/GPS, and single beam hydrographic methods. Party Chief, Mr. Geoghegan was on of EMC's party chiefs on the topographic portion of this survey. He used RTK/GPS to collect data for this survey along with 23 specified structure sites, bridge, and culvert sites. Cost: $360,418.85
10/22 – 02/23	**Mississippi Department of Transportation Project NBIS (149) Horn Lake, DeSoto County, MS (Client: HDR, Inc) –** EMC was tasked with completing a topographic and LiDAR Survey for MDOT in DeSoto County, MS. Mr. Geoghegan, as Party Chief, led his survey crew in conducting this task order. The crew established control and centerline for the North and South Lanes. We collected a floodplain profile, roadway profile, stream profile, channel sections, bridge details, roadway cross sections, utility, and topographic data, noting observed evidence of high water based on found evidence and parole information. Cost: $104,150.72

04/22 – 07/22	**Topographic Survey for St. James Ring Levee Construction, St. James Parish, LA (Client: USACE, New Orleans) -** Mr. Geoghegan was one of the party chiefs that collected the RTK GPS and conventional data required for this topographic and cross section surveys needed for the construction of the Ring Levees around the Grand Point and Grammercy neighborhoods. Cost: $207,357.47
07/20 – 12/20	**Hydraulic, topographic, and boundary surveys for US 61 from the Natchez Trace to 4-Lane North of Port Gibson (Client: MDOT) –** Mr. Geohegan was a party chief for this survey. He led his crew with utilizing Trimble R6/R8 GPS systems and Trimble S6 total stations for data collection. Survey tasks included generating floodplain, roadway, and stream profiles, as well as documenting channel sections, bridge details, roadway cross-sections, and utility and topographic data. Property surveys involved 33 different property owners and adjacent properties on each side of these limits, with an additional 500 feet surveyed along local roads or two properties along respective roads. Cost: $201,207.48

Firm employed by EMC, Inc. of MS				
Name	**Ralph Hutchinson**		Years of relevant experience with this employer	24
Title	**Party Chief**		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization				
Active registration number / state / expiration date				
Year registered		Discipline		
Contract role(s) / brief description of responsibilities			Party Chief	

Mr. Hutchinson, an EMC Party Chief, specializes in hydrographic surveying with over two decades of experience. He has extensive knowledge of technical tools and equipment like satellite positioning systems, sonars, sounders, ADCP, laser scanners, and mobile LiDAR. His training includes HAZWOPER, First Aid/CPR, H2S, and Boat/Water Safety certifications.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
11/23 – 05/24	**LE-2 DOE Boundary Survey, Jefferson Co., Texas (Client: USACE, Fort Worth) -** Party Chief, Mr. Hutchinson was one of the crew chiefs who conducted surveying services for permanent and temporary easement tracts of land for the LE-2 DOE project in four separate areas all located in Jefferson County, Texas. He led his crew in conducting static GPS control surveys. He established control points as needed, boundary and topographic data was collected and submitted to the office daily. Cost: $441,954.60
09/24 – 09/24	**Vermilion River Multibeam RM-8 to RM-52.2 Vermilion Bay to Lafayette, LA (Client: USACE, New Orleans) -** Party Chief – EMC was tasked with collecting multibeam data as expeditiously as possible while providing full coverage of the channel. The purpose of the survey was to assess the channel for obstructions to navigation and shoaling. Mr. Hutchinson as Party Chief led his crew utilizing Reson T-50 and T-20 systems to collect all multibeam data. Scope included noting any hazards, investigate to determine the exact location, the type of hazard, and the clearance above and around the hazard. Areas not accessible by the vessels due to shoaling were to be described including coordinate location and extents. Cost: $112,640.88
06/23 – 06/23	**Coon Trap Weir Multibeam Survey Atchafalaya River Miles 82.2-82.6, Plaquemines Parish, LA (Client: USACE, New Orleans) -** Party Chief - EMC was tasked to perform a multibeam survey at the requested location of the Atchafalaya River near the Coon Trap Weir structure in Plaquemines Parish, LA is to determine the condition of the bank by the newly built coon trap weir structure. Trimble R12 and R10 utilized for RTK/GPS survey and Reson T20 was utilized for the Multibeam survey. Cost: $13,756.06
08/22 – 01/23	**Cairo Floodwall Topographic & Hydrographic Survey, Cairo, IL (Client: USACE, Memphis)** - Party Chief – EMC was tasked to perform this survey to develop demolition plans of the existing floodwall and construction plans for a new floodwall in Cairo, Illinois. This Topographic and Hydrographic survey of the floodwall, surrounding overbanks and an area extending 500 feet into the Ohio River at Cairo, Illinois within the Memphis District of the U.S. Army Corps of Engineers. Mr. Hutchinson led his crew with utilizing A Reason T50 multibeam sonar system and Applanix POS MV to obtain data during the hydrographic survey. Cost: $208,148.04
04/22 – 07/22	**Topographic Survey for St. James Ring Levee Construction, St. James Parish, LA (Client: USACE, New Orleans) -** Party Chief, Mr. Hutchinson was one of the party chiefs that collected the RTK GPS, and conventional data required for this

	topographic and cross-section surveys needed for the construction of the Ring Levees around the Grand Point and Grammercy neighborhoods. Cost: $207,357.47
09/20 – 02/21	**SELA Algiers PS #13 and GenDegaulle II Survey for P&S, New Orleans Parish, LA (Client: USACE, New Orleans) -** The USACE tasked EMC to perform the necessary field surveys to prepare topographic maps, Digital Terrain Maps (DTMs) and cross sections that would facilitate the engineering and design of PS #13 addition, GenDegaulle drainage canal improvements, and development of P&S. Party Chief, Mr. Hutchinson was hydrographic party chief in charge of multibeam data collection, recording field notes, quality control of field survey data and providing daily updates to the surveying supervisor. Cost: $216,422.32

Firm employed by EMC, Inc. of MS					
Name	**Ronald J. Hutchinson, Jr.**		Years of relevant experience with this employer	10	
Title	**Party Chief**		Years of relevant experience with other employer(s)	7	
Degree(s) / Years / Specialization					
Active registration number / state / expiration date					
Year registered		Discipline			
Contract role(s) / brief description of responsibilities			Party Chief		
Mr. Hutchinson is a Party Chief who has spent much of his career working on government surveying projects. He has taken an active role and supervised the work performed by his surveying crew on various distinct types of surveying projects, e.g., geodetic control, construction, topographic, real estate boundary, conventional, SUE, GIS field, and hydrographic surveys. He has a thorough understanding and knowledge of surveying equipment and procedures. His training includes First Aid\CPR and Boat & Water Safety Courses.					

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
01/24 – 03/14	**Arkansas River and Tributaries Miscellaneous Dikes Topographic and Single Beam Hydrographic Surveys, throughout the State of Arkansas (Client: USACE, Memphis)** - Mr. Hutchinson was one of the Party Chiefs who utilized Trimble GPS GNSS Systems and CEESCOPE 512 single beam sonar to collect the topographic, overbank, and hydrographic data needed to successfully these comprehensive surveys of 39 dike structures along the McClellan-Kerr Arkansas River Navigation System. Cost: $240,000.00
02/23 – 05/23	**Legal Boundary Surveys for NRCS ACEP - WRE, Evangeline and St. Landry Parishes, Louisiana (Client: NRCS LA)** - Party Chief - Mr. Hutchinson was EMC's party chief that led his crew in collecting the cadastral data for a total of 640 – acres across two Parises in Louisiana. He set up approximately 176 monuments and NRCS post signage. The boundary data was obtained using Trimble R122 RTK GPS Antenna and Receiver systems. This survey included developing a plat of the survey, associated legal description, installing NRCS posts at each boundary corner and replacing missing monuments as needed. Cost: $101,999.17
09/23 – 02/24	**West Atchafalaya Basin Protection Levee, St. Mary Levee District, W-99 Levee Enlargement B/L Sta. 5094-50 to B/L Sta. 5314+00, St. Mary Parish, LA (Client: USACE, New Orleans) -** EMC was tasked to extend the topographic cross-section survey along the West Atchafalaya Basin Protection Levee, a continuation of Job #23-035C. Covering the stretch from B/L Sta. 5094+50 to B/L Sta. 5314+00 in St. Mary Parish, LA, This survey aimed to augment existing data for comprehensive plans and specifications. Mr. Hutchinson was one of the Party Chiefs who collected the Static GPS, RTK/GPS, and Geodetic Leveling Surveys. He also managed his surveying crew and took an active role in collecting the topographic and utility data. Cost:$577,035.29
08/22 – 06/23	**Survey Services for Sabine Pass to Galveston Bay, Orange County Coastal Storm Risk Management (CSRM) Project, Orange County, TX (Client: USACE, Galveston)** - Party Chief – USACE entrusted EMC to conduct diverse range of surveys within the Orange County CSRM Project, including aerial, planimetric, topographic, bridge, bathymetric, utility, utility easement, and partial boundary corner surveys. These surveys were integral to the broader Sabine Pass to Galveston Bay CSRM Project, focused on Orange and Bridge City, TX. Mr. Hutchinson as one of EMC's party chiefs led his crew in the completion of this survey, which included the establishment of a Static GPS network utilizing Trimble R10-2 and R12 equipment with

	Trimble T7 data collectors. The survey crews set nine new benchmarks for project control, established the GPS Control Network, and performed this topographic survey with cross sections. Cost: $3,489,640.23
09/23 – 12/23	**Legal Boundary Surveys for NRCS ACEP Wetland Reserve Easement, Roger Dale Moore, Franklin Parish, LA (Client: NRCS LA) -** Party Chief – Mr. Hutchinson was EMC's party chiefs that led his crew in collecting the cadastral data utilizing Trimble R10-2 and Trimble R12 RTK GPS Antenna and Receiver systems. This task order was a boundary survey that covered 5.83 - acres of the Wetlands Reserve Easement within Franklin Parish, Louisiana. This survey included developing a plat of the survey, associated legal description, installing NRCS posts at each boundary corner and replacing missing monuments as needed. Cost: $19,006.15
02/22 – 06/22	**Smithland to Lacour Leve Enlargement Pointe Coupee Parish, LA (Client: USACE, New Orleans)-** The USACE tasked EMC to perform a topographic and cross-section survey along the Mississippi River Levee System from Smithland to Lacour in Pointe Coupee Parish, LA. This survey was conducted to support the levee enlargement in this area. Mr. Hutchinson was one of the Party Chiefs who collected the Static GPS data for the control network for this project. He also managed his surveying crew and took an active role in collecting the topographic and utility data using RTK GPS surveying methods. Cost: $390,455.74

Firm employed by EMC, Inc. of MS					
Name	**William Moore**		Years of relevant experience with this employer	7	
Title	**Party Chief**		Years of relevant experience with other employer(s)	7	
Degree(s) / Years / Specialization					
Active registration number / state / expiration date					
Year registered		Discipline			
Contract role(s) / brief description of responsibilities			Party Chief		
Mr. Moore is one of EMC's Survey Party Chiefs. He ensures that proper procedures are followed, recording of data gathered is accurate, and that supporting documentation analysis is collected (e.g., photographs, sketches, etc.). Once all necessary findings are collected, he ensures the data is accurate and complete before transferring it to EMC's office operations. In addition, Mr. Moore specializes in technical software and equipment, including but not limited to, HYPACK Software, Trimble Access, Trimble GPS satellite positioning systems, single and multibeam echo sounders, ADCP, laser scanners and mobile LiDAR. His training includes First Aid\CPR, Boat & Water Safety Course.					
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
05/23 – 02/24	**Hydrographic and Topographic Surveying Services for Chandeleur Island Restoration Project, Chandeleur Island, Gulf of Mexico (Client: CEC)** - Party Chief - EMC performed topographic, bathymetric, magnetometer, and cultural resource assessment surveys for the Chandeleur Island Restoration Project which is located on the Chandeleur Islands in St. Bernard Parish, Louisiana. The purpose of the project is to engineer and design a restoration project benefitting the Chandeleur Islands and the many species that use them with a particular focus on birds. Mr. Moore served as one of the hydrographic party chiefs entrusted with the responsibility of utilizing a single-beam sonar system and a magnetometer to gather hydrographic data for this project. Cost to-date: $680,007.25				
08/23 – 08/23	**Freshwater Bayou Lock Approach Walls & Dolphins Lafourche Parish, LA (Client: USACE, New Orleans) –** Party Chief – EMC was tasked to perform a survey at requested cross section locations in Plaquemines Parish, LA. The purpose of the project was to survey the north and south approaches to Freshwater Bayou Lock to support development of P&S for new approach walls and dolphins on the East side of the structure. Mr. Moore led his crew to collect Hydrographic field data at specific locations with a Reson 7125 multibeam hydrographic sonar system using POS-MV positioning. Cost: $24,151.				
08/22 – 06/23	**Survey Services for Sabine Pass to Galveston Bay, Orange County Coastal Storm Risk Management (CSRM) Project, Orange County, TX (USACE, Galveston)** - Party Chief - For the hydrographic portion of this survey, Mr. Moore led his crew to complete single-beam hydrographic surveys from small vessels and skiffs, facilitated by a Trimble RTK/GPS system for horizontal positioning from nearby base stations. CEESCOPE 512 transducers and HYPACK software utilized for single-beam data acquisition, with Trimble RTK/GPS ensuring motion tracking, real-time tide correction, and navigation. Cost: $3,489,640.23				
02/23 – 09/23	**MDOT Hydraulic, Topographic and Subsurface Investigation Surveys along Highway 49 South of Yazoo City, MS (Client, HDR, Inc.) –** Mr. Moore was one of EMC's Party Chiefs for the hydraulic survey and SUE survey. He led his crew in collecting hydraulic data at his assigned sites along the requested locations which included five different intersections, five slide/washout areas, five northbound repair sites, and seven frontage road areas along HWY 49. Field crews employed Trimble				

	R10/R12 GPS systems and Trimble S6 total stations to gather the necessary survey data, including floodplain, roadway, and stream profiles, channel sections, bridge details, roadway cross-sections, utility and topographic data. Cost: $112,986.78
04/22 – 07/22	**Topographic Survey for St. James Ring Levee Construction St. James Parish, LA (Client: USACE, New Orleans) -** Party Chief - EMC was tasked to perform a topographic survey at requested cross section locations of Grand Point and Grammercy neighborhoods in St. James Parish, LA. The purpose of the survey was to support the construction of the levee. EMC utilized RTK/GPS and Static GPS techniques to complete the survey. Cost: $207,357.47
12/20 – 01/21	**Timbalier Barrier Post Zeta Survey (TE-118), Terrebonne Parishes, LA (Client: CEC)** - Pary Chief - EMC was contracted by CEC to provide RTK GPS and hydrographic surveying services essential for the Post-Hurricane Zeta assessment along the Timbalier Barrier in Terrebonne Parishes, LA. Mr. Moore was a Party Chief, demonstrating leadership in managing the field crew and upholding rigorous standards for data quality throughout the hydrographic survey operations. Cost: $48,207.50

Firm employed by EMC, Inc. of MS				
Name	**Kevin Martin**		Years of relevant experience with this employer	4
Title	**Party Chief**		Years of relevant experience with other employer(s)	20
Degree(s) / Years / Specialization				
Active registration number / state / expiration date				
Year registered		Discipline		
Contract role(s) / brief description of responsibilities			Party Chief	

Mr. Martin has over 24 years of experience in the surveying field. During this time, he has gained vast knowledge in the industry. As a Party Chief for EMC, he manages his survey crew and conducts a variety of surveying operations such as boundary, topographic, SUE leveling, and as-built surveys. He ensures that proper procedures and accurate reporting occurs, and that supporting documentation analysis is collected. He also specializes in technical software and equipment, including but not limited to, Trimble Access software, Trimble GPS satellite positioning systems, Topcon and Nikon total stations, Leica digital levels, etc. His training includes First Aid\CPR.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
03/24 – 05/24	**Legal Boundary Surveys for NRCS ACEP Wetland Reserve Easement No. 54-7217-23-01Y4M, Standing Bear Farms & Forest, LLC, Catahoula Parish, LA (Client: NRCS LA)** - Party Chief, Mr. Martin led his crew in utilizing RTK/GPS methods to obtain boundary data crucial for the 70.43-acre Wetland Reserve Easement. After establishing the easement boundary, He set NRCS monumentation and witness posts. This survey included developing a plat of the easement boundary and legal description. This survey included developing a plat of the survey, associated legal description, installing NRCS posts at each boundary corner and replacing missing monuments as needed. Cost: $33,321.54
03/24 – 06/24	**Mississippi Department of Transportation SR 8 Bridge 64.1 and 64.9 Replacement, Grenada County, MS (Client: MDOT) –** This project involved hydraulic, topographic, and boundary surveys along Highway 8 (SR 8), including bridges over the Yalobusha River (Bridge No. 64.1) and Slough Creek (Bridge No. 64.9) in Grenada County, Mississippi. Mr. Martin, as one of EMC's Party Chiefs, led his crew in completing the boundary survey collecting topographic data along seven different property owners along with the adjacent properties. Data collection was conducted using Trimble GPS systems, Trimble S6 total stations, and a Riegl VMX-450 Mobile LiDAR System. These tools were utilized to gather data for the floodplain profile, roadway profile, stream profile, channel sections, bridge details, roadway cross sections, utility mapping, and general topographic features. Additionally, observed evidence of high-water marks was documented based on physical indicators and verbal accounts. Cost: $126,572.29
09/23 – 12-23	**Surveying Services for SELA 73, Gen DeGaulle Drainage Canal Enhancements & P&S Development New Orleans, LA (Client: USACE, New Orleans) -** Party Chief, Mr. Martin as a crew leader in charge of a crew obtaining cross section and topographic data utilizing RTK/GPS methods that were essential for creating topographic maps, DTMs, and cross-sections crucial for the engineering and design phases of various projects including the PS #13 addition, Gen DeGaulle drainage canal enhancements, and P&S development Cost: $390,455.74
05/23 – 05/23	**Mississippi River Divided Flow River from Rosedale MS (Mile 610.5) thru Blackhawk, LA (Mile 323.5) (Client: USACE, Vicksburg)** - Party Chief – Mr. Martin as one of EMC's crew leaders completed this task order for a total of 44 range measurements taken along the MS River. ADCP with DGPS was utilized to collect data at each location that included

	measurements of total flow and velocity for the main channel, along with the percentage of divided flow in each side chute or chutes Cost: $57,014.70
08/23 – 11/23	**Legal Boundary Surveys for NRCS ACEP - WRE, Tensas and Concordia Parishes, Louisiana (Client: NRCS, Louisiana)** - Party Chief – EMC was tasked with performing surveys for the Wetlands Reserve Easements Project. This task involved conducting legal boundary surveys within two parishes in Louisiana totaling 347 acres. Mr. Martin led his crew utilizing Trimble GPS and Total Station equipment to collect cadastral data. The crew set approximately 82 monuments and NRCS witness post signage. This survey included developing a plat of the survey, associated legal description, installing NRCS posts at each boundary corner and replacing missing monuments as needed. Cost: $91,402.10
02/22 – 06/22	**Cross-section and Topographic Survey for the Mississippi River Levee Enlargement Project from Smithland to Lacour, Pointe Coupee Parish, LA (Client: USACE, New Orleans) -** This survey was conducted to support the levee enlargement in this area. Mr. Martin was one of the Party Chiefs for this project. He managed his surveying crew and took an active role in collecting the topographic and utility data using RTK GPS surveying methods Cost: $336,173.93

Firm employed by EMC, Inc. of MS				
Name	**Jason Hill**		Years of relevant experience with this employer	6
Title	**Party Chief**		Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization				
Active registration number / state / expiration date				
Year registered		Discipline		
Contract role(s) / brief description of responsibilities			Party Chief	

As a Party Chief for EMC, Mr. Hill manages and conducts a variety of surveying operations such as boundary, topographic, SUE leveling, and as-built surveys. He can accurately run and adjust survey instruments including levels, GPS equipment, and total stations with electronic data collecting capabilities. He has experience in the acquisition, processing, and analysis of GPS data. Training: First Aid\CPR, Boat\Water Safety Course.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
09/23 – 12-23	**Surveying Services for SELA 73, Gen DeGaulle Drainage Canal Enhancements & P&S Development New Orleans, LA (Client: USACE, New Orleans) -** Party Chief, Mr. Hill was one of EMC's crew leaders in charge of a crew obtaining cross section and topographic data utilizing RTK/GPS methods that were essential for creating topographic maps, DTMs, and cross-sections crucial for the engineering and design phases of various projects including the PS #13 addition, Gen DeGaulle drainage canal enhancements, and P&S development Cost: $390,455.74
10/22 – 02/23	**Hydraulics Surveys for the Mississippi Department of Transportation, Eight Sites throughout The State of Mississippi (Client: HDR) –** EMC performed hydraulic surveys at Phillip Bayou, Bayou LaCroix, Bayou Talla and Horn Lake sites. Mr. Hill was one of EMC's Party Chiefs that led his crew in collecting the field data along these sites. Cost: $104,150.72
05/22 – 02/23	**Mississippi River Revetments Construction and Maintenance Operations, Snagging, and Grader Support, Mississippi River (Client: USACE, Memphis)** - EMC was contracted by the Memphis Corps of Engineers to perform the necessary surveys for revetment construction and maintenance operations. This work was performed throughout the Memphis, Vicksburg, and New Orleans Districts. As one of EMC's Party Chiefs, Mr. Hill led his Advance Crew using GPS and conventional surveying methods to perform layouts, limits of clearing, and control and incidental surveys.. Cost: $491,135.65
02/22 – 06/22	**Cross-section and Topographic Survey for the Mississippi River Levee Enlargement Project from Smithland to Lacour, Pointe Coupee Parish, LA (Client: USACE, New Orleans) -** Mr. Hill was one of the Party Chiefs for this project. He managed his surveying crew and took an active role in collecting the topographic and utility data using RTK GPS surveying methods. The purpose of this survey was to support the levee enlargement in this area. Cost: $336,173.93.
07/22 – 07/22	**WSLP Sand Stockpile Contract 1, St. Charles and St. John the Baptist Parishes, Louisiana (Client: USACE, New Orleans) -** The MVN's construction division under two different task orders contracted EMC to perform quantity and measurement surveys of several sand stockpiles within St. Charles and St. John the Baptist Parishes in Louisiana. Mr. Hill was the Party Chiefs for this project. He managed his surveying crew and took an active role in collecting the topographic data for this survey of the unused stockpile closest to HWY 61. Cost: $11,045.70
10/20 - 01/21	**Property Boundary Determination, Topographic and Utility Surveys Survey, Laredo 32 Mile South Segment Webb County, Texas (Client: USACE, Fort Worth) -** As one of Party Chiefs, Mr. Hill was essential in leading his crew in conducting the Static GPS survey to establish control points. He worked with others to complete this survey in support of boundary acquisition & easements along the national border for a total of 225 parcels. Cost: $3,853,380.00

Firm employed by EMC, Inc. of MS				
Name	**David Blair**		Years of relevant experience with this employer	9
Title	**Party Chief**		Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization				
Active registration number / state / expiration date				
Year registered		Discipline		
Contract role(s) / brief description of responsibilities			Party Chief	

As a Party Chief, Mr. Blair manages his survey crew and conducts a variety of surveying operations such as boundary, topographic, SUE leveling, and as-built surveys. He ensures that proper procedures and accurate reporting occurs, and that supporting documentation analysis is collected. He also specializes in technical software and equipment, including but not limited to, Trimble Access software, Trimble GPS satellite positioning systems, Topcon and Nikon total stations, Leica digital levels, etc. His training includes First Aid\CPR and HAZWOPER.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
09/22 – 07/24	**Topographic, Bathymetric and Utility Location for Levee Floodwall, Port Arthur, TX (Client: USACE, Memphis)** – Mr. Blair was a Party Chief for this project. EMC was tasked with conducting surveys for topographic maps, Digital Terrain Maps (DTMs), and cross-sections covering around 595 acres near Port Arthur, Texas. He led his crews and conducted GPS sessions via Trimble base stations, establishing comprehensive control for the project. He used Trimble GPS GNSS Systems utilizing nine existing monuments and setting up numerous temporary hubs. A Trimble DiNi digital level ensured accurate elevation verification and establishment of new control points. Cost: $670,885.76
09/23 – 12/23	**Boundary Services for the Wetland Reserve Easement Number, Terry and Deanna Normand, Avoyelles Parish, LA (Client: NRCS, LA) -** Mr. Blair was one of the party chiefs for this project that included a 168.67-acre easement boundary survey performed for the NRCS of LA. He managed his surveying crew establishing project control, locating boundary evidence, collecting survey data with RTK and conventional methods. He also set monumentation and witness post. This survey included developing a plat of the survey, associated legal description, installing NRCS posts at each boundary corner and replacing missing monuments as needed. Cost: $36,492.91
06/22 – 12/22	**Surveying Services for Morganza Upper Guide Levee Flood Side Erosion Repair (Client: USACE, New Orleans) -** Mr. Blair was one of the crew leaders in-charge of topographic and cross-section data collection, recording field notes, quality control of field survey data and providing daily updates to the surveying supervisor. Cost: $64,942.59.
02/23 – 05/23	**Legal Boundary Surveys for NRCS ACEP Wetland Reserve Easement, Richard C. Miller, ET AL, Evangeline Parish, LA (Client: NRCS LA)** Mr. Blair used GPS technology to establish the GPS control network. He utilized RTK GPS and conventional methods to collect the boundary and topographic data for this 302.59-acre boundary survey of the Wetlands Reserve Easement. This survey included developing a plat of the survey, associated legal description, installing NRCS posts at each boundary corner and replacing missing monuments as needed. Cost: $54,132.67
2/22 – 06/22	**Cross-section and Topographic Survey for the Mississippi River Levee Enlargement Project from Smithland to Lacour, Pointe Coupee Parish, LA (Client: USACE, New Orleans) -** Mr. Blair was one of the party chiefs for this project to support levee enlargement. He collected the Static GPS data for the control network for this project. He also managed his surveying crew and took an active role in collecting the topographic and utility data using RTK GPS surveying methods. Cost: $336,173.93.

09/20 – 02/21	**SELA Algiers PS #13 and GenDegaulle II survey for P&S New Orleans Parish, LA 20-068C (MVN)** – Mr. Blair as one of EMC's party chiefs used RTK/GPS data collection and conventional methods to complete this topographic and cross section survey needed to assist in facilitating the engineering design of PS#13 addition, drainage canal improvements and development of P&S. Cost: $ 216,422.32

Firm employed by EMC, Inc. of MS				
Name	**John Webb**		Years of relevant experience with this employer	8
Title	**Party Chief**		Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization				
Active registration number / state / expiration date				
Year registered		Discipline		
Contract role(s) / brief description of responsibilities			Party Chief	

As a Party Chief, Mr. Webb manages and conducts a variety of surveying operations such as boundary, topographic, SUE leveling, and as-built surveys. He ensures that proper procedures and accurate reporting occurs, and that supporting documentation analysis is collected. He is skilled in daily quality control protocols, field data management practices and field crew scheduling. He also specializes in the technical software and equipment, including but not limited to, Trimble Access software, Trimble GPS satellite positioning systems, Topcon and Nikon total stations, Leica digital levels, etc. His training includes First Aid\CPR, Boat & Water Safety courses.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
09/24 – 04/25	**Agricultural Conservation Easement Program (ACEP) Wetland Reserve Easement (WRE) of Anderson Clark Holding LLC, Franklin Parish, LA (Client: NRCS LA) -** Mr. Webb was one of the party chiefs for this project that included a 82.53-acre easement boundary survey. He managed his surveying crew establishing project control, locating boundary evidence, collecting survey data with RTK and conventional methods. He also set monumentation and witness post. This survey included developing a plat of the survey, associated legal description, installing NRCS posts at each boundary corner and replacing missing monuments as needed. Cost: $31,346.00
09/23 – 12-23	**Surveying Services for SELA 73, Gen DeGaulle Drainage Canal Enhancements & P&S Development New Orleans, LA (Client: USACE, New Orleans) -** Party Chief, Mr. Webb as a crew leader in charge of a crew obtaining cross section and topographic data utilizing RTK/GPS methods that were essential for creating topographic maps, DTMs, and cross-sections crucial for the engineering and design phases of various projects including the PS #13 addition, Gen DeGaulle drainage canal enhancements, and P&S development Cost: $390,455.74
10/23 – 10/23	**I-20 Bridge Multibeam Hydrographic & Mobile LiDAR Survey, Vicksburg, MS (Client: Ardaman & Associates)** - Party Chief - Mr. Webb completed this task order utilizing multibeam and Mobile LiDAR technology for this construction monitoring of I-20 Bridge and riverbed. Multibeam data was collected using a Reson T20 Multibeam System, with POSMV. Cost: $25,500.00
07/23 – 09/23	**Upper Barataria Channels, Hydraulic Structures and Bathymetry between Raceland, Des Allemands, Bayou Gauche and Paradis, LA (Client: USACE, New Orleans)** - Party Chief, Mr. Webb was one of the crew leaders in-charge of the singe beam data collection, recording field notes, quality control of field survey data and providing daily updates to the surveying supervisor. Cost: $360,418.85
04/23 -08/23	**Interstate 10 Hydrographic and Mobile LiDAR Surveying Services, Mobile, AL (Client: Kiewit Engineering Group, Inc.) -** As an Party Chief , Mr. Webb was part of the crew in-charge of the multibeam data collection, recording field notes, quality control of field survey data and providing daily updates to the surveying supervisor. Cost: $265,500.
10/20 – 01/21	**Property Boundary Determination, Topographic and Utility Surveys Survey, Laredo 32 Mile South Segment Webb County, Texas (Client: USACE, St. Louis) -** As one of Party Chiefs, Mr. Webb was essential in leading his crew in conducting the Static GPS survey to establish control points. He worked with others to complete this survey in support of boundary acquisition & easements along the national border for a total of 225 parcels. Cost: $3,853,380.00

Firm employed by EMC, Inc. of MS				
Name	**Colby Pettit**		Years of relevant experience with this employer	9
Title	**Party Chief**		Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization				
Active registration number / state / expiration date				
Year registered		Discipline		
Contract role(s) / brief description of responsibilities			Party Chief	

Mr. Pettit is one of EMC's Survey Party Chiefs. He ensures that proper procedures are followed, recording of data gathered is accurate, and that supporting documentation analysis is collected (e.g., photographs, sketches, etc.). Once all necessary findings are collected, he ensures the data is accurate and complete before transferring it to EMC's office operations. In addition, Mr. Pettit specializes in technical software and equipment, including but not limited to, HYPACK Software, Trimble Access, Trimble GPS satellite positioning systems, single and multibeam echo sounders, ADCP, laser scanners and mobile LiDAR. His training includes First Aid\CPR, Boat & Water Safety Course.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
09/23 – 12/23	**Surveying Services for SELA 73, Gen DeGaulle Drainage Canal Enhancements & P&S Development New Orleans, LA (Client: USACE, New Orleans)** - Party Chief, Mr. Petit, conducted this survey which required obtaining cross section and topographic data utilizing RTK/GPS methods that were essential for creating topographic maps, DTMs, and cross-sections crucial for the engineering and design phases of various projects including the PS #13 addition, Gen DeGaulle drainage canal enhancements, and P&S development Cost: $390,455.74
07/23 -09/23	**Legal Boundary Surveys for NRCS ACEP Wetland Reserve Easement, Michael Lewis, Humphreys County, MS (Client: NRCS Mississippi)** – Party Chief, Mr. Pettit, as part of the survey crew completed this survey for the WRE program. The crew utilized Trimble R12 RTK GPS Antenna and Receiver systems to collect cadastral data for this task order, involving a 85-acre boundary survey. This survey included developing a plat of the survey, associated legal description, installing NRCS posts at each boundary corner and replacing missing monuments as needed. Cost: $35,374.26
07/23 – 09/23	**Upper Barataria Channels, Hydraulic Structures and Bathymetry between Raceland, Des Allemands, Bayou Gauche and Paradis, LA (Client: USACE, New Orleans)** Party Chief - Mr. Petit performed this survey which required obtaining the single beam data collection along the hydraulic structures and bathymetric survey within multiple area in the Louisiana Channels. The data was collected using Trimble GPS systems. Structure data was captured using RTK GPS methods and integrated into the appropriate EM files. Cost: $360,418.85
05/22 – 02/23	**Mississippi River Revetments Construction and Maintenance Operations, Snagging, and Grader Support, Mississippi River (Client: USACE, Memphis)** - Party Chief, Mr. Petit led the Advance Crews utilizing GPS and conventional surveying methods to perform layouts, limits of clearing, and control and incidental surveys. The Advance Crew also located and marked reference points; established control points; and verified data that was furnished by the Corps. Cost: $491,135.65
04/22 – 07/22	**Topographic Survey for St. James Ring Levee Construction St. James Parish, LA (Client: USACE, New Orleans)** - Party Chief, Mr. Petit, conducted the survey to ensure the data was collected per the task order for this survey along Long Beach Township. He assisted with utilizing multiple survey methods to complete the topographic and automated hydrographic surveys. Cost: $184,415.00

12/21 - 05/22	**Legal Boundary Surveys for NRCS ACEP Wetland Reserve Easement, Juneau Lodge, LLC, Avoyelles Parish, LA (Client: NRCS LA) -** Survey Technician, Mr. Pettit, as part of the survey crew completed this survey for the WRE program. The crew utilized Trimble R10-2 & R12 RTK GPS Antenna and Receiver systems to collect cadastral data for this task order, involving a 625.60-acre boundary survey. This survey included developing a plat of the survey, associated legal description, installing NRCS posts at each boundary corner and replacing missing monuments as needed. Cost: $152,643.02

Firm employed by EMC, Inc. of MS				
Name	**James Pettigrew**		Years of relevant experience with this employer	14
Title	**CADD Technician**		Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization				
Active registration number / state / expiration date				
Year registered		Discipline		
Contract role(s) / brief description of responsibilities			CADD Technician	

Mr. Pettigrew serves as one of EMC's GIS and CADD Specialists with 20 years of experience with over 16 of those years with NRCS and USACE mapping experience. His USACE experience ranges from processing surveying datasets and mapping to reviewing the final product. He has successfully processed and mapped hundreds of surveying products. Mr. Pettigrew has vast experience in surveying CADD/GIS Software Packages. He is experienced and trained in MicroStation, Inroads, AutoCAD, and ArcView, HYPACK, Chesapeake SonarPro, Sonar Wiz, Caris, etc.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
09/24 – 04/25	**Agricultural Conservation Easement Program (ACEP) Wetland Reserve Easement (WRE) of Anderson Clark Holding LLC, Franklin Parish, LA (Client: NRCS LA)** – CADD Technician – EMC was tasked with performing surveys for the Wetlands Reserve Easements Project. This task involved conducting legal boundary surveys across three parishes in Louisiana totaling 82.53 acres. This survey included developing a plat of the survey, associated legal description, installing NRCS posts at each boundary corner and replacing missing monuments as needed. Mr. Pettigrew used Trimble software to process and map the data and create legal descriptions Cost: $31,346.00
10/23 – 01/24	**Castner Range Boundary Survey, El Paso Texas (Client: USACE, Fort Worth District) -** CADD Technician – EMC was tasked with conducting surveying services for several tracts of land collectively known as Castner Range, totaling approximately 7,000 acres. Mr. Pettigrew used processed GPS network data, boundary data, utilized AutoCAD to create final boundary data and other software to complete the final deliverables per task order. Cost: $581,322.02
09/23 – 12-23	**Surveying Services for SELA 73, Gen DeGaulle Drainage Canal Enhancements & P&S Development New Orleans, LA (Client: USACE, New Orleans) -** CADD Technician, Mr. Pettigrew, processed and mapped the field surveys to create topographic maps, Digital Terrain Maps, and cross sections that facilitated the engineering and design of PS#13 addition, drainage improvements and the development of P&S. This job was an extension of a previous survey in the area. Cost: $390,455.74
08/22 – 06/23	**Parcel Research, Topographic, Planimetric, Bathymetric and SUE Surveying Services for the Sabine Pass to Galveston Bay Orange County Coastal Storm Risk Management (CSRM), Orange County, TX (Client: USACE, Galveston)** - Mr. Pettigrew, CADD Technician, was tasked with the processing and mapping of the survey data for this project. He utilized an array of computer software to complete the necessary of the multiple surveys that included parcel research, topographic, utility, boundary, and bathymetric surveys. These surveys were integral to the broader Sabine Pass to Galveston Bay CSRM Project, focused on Orange and Bridge City, TX. Cost: $3,489,640.23
08/23 – 11/23	**Legal Boundary Surveys for NRCS ACEP - WRE, Tensas, and Concordia Parishes, Louisiana (Client: NRCS, Louisiana)** - CADD Technician – EMC was tasked with performing surveys for the Wetlands Reserve Easements Project. This task involved conducting legal boundary surveys across three parishes in Louisiana totaling 347 acres. This survey included developing a plat of the survey, associated legal description, installing NRCS posts at each boundary corner and replacing missing monuments as needed. Mr. Pettigrew used Trimble software to process and map the data and create legal descriptions. Cost: $91,402.10

08/22 – 10/22	**Tiger Pass Utility Investigation Plaquemines Parish, LA (Client: USACE, New Orleans) -** Mr. Pettigrew as one of CADD Specialist for this project, He assisted in processing and mapping the single beam, magnetometer, sidescan sonar and sub-bottom hydrographic data obtained during the survey. Cost: $76,491.19

Firm employed by EMC, Inc. of MS				
Name	**Darren Ford**		Years of relevant experience with this employer	6
Title	**CADD Technician**		Years of relevant experience with other employer(s)	21
Degree(s) / Years / Specialization				
Active registration number / state / expiration date				
Year registered		Discipline		
Contract role(s) / brief description of responsibilities			CADD Technician	

Mr. Ford serves as one of EMC's CADD Technicians. His USACE experience ranges from collecting survey datasets to reviewing the final products. With his 26 years of experience, he has successfully processed and mapped a substantial amount of surveying projects over the years. As a CADD Specialist, Mr. Ford has experience in surveying CADD/GIS Software Packages. He is experienced and trained in AutoCAD, MicroStation, and ArcView, HYPACK, etc.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
11/21 – 01/24	**Boundary Surveys for the Johnson County 202 Flood Risk Management Project, Johnson County, KY (Client: Integrated Right of Way, LLC) -** CADD Technician – Mr. Ford was responsible for plotting all the provided title information, checking for closes, gaps, and overlaps, etc. This information was a guide to enable reconnaissance of section corners or prominent metes and bounds corners. All information was necessary for field crews to know how to proceed. Cost: $1,105,500.00
02/23 – 12/23	**Surveying Services for Tallahatchie Upper Yazoo Bank Stabilization, Yazoo River (Client: Wilco)** - CADD Technician, Mr. Ford, post-processed field data in HYPACK to ensure data correction and editing. He utilized MicroStation mapping software for various outputs like drawings, design surfaces, cross section profiles and volume reports. Cost: $ 233,000.00
08/21 – 09/21	**Legal Boundary Surveys for NRCS ACEP Wetland Reserve Easement, Stuart & Allison Laborde, Avoyelles Parish, LA (Client: NRCS Louisiana)** - CADD Technician – EMC was tasked with performing surveys for the Wetlands Reserve Easements Project. This task involved conducting legal boundary surveys across 28.83-acres in Avoyelles Parish, Louisiana. Mr. Ford used Trimble software to process and map the data and create legal descriptions. He utilized AutoCAD to develop the plats. Cost: $29,057.57
08/21 – 10/21	**Legal Boundary Surveys for NRCS ACEP Wetland Reserve Easement, Adam Dupuy, Avoyelles Parish, LA (Client: NRCS Louisiana)** - CADD Technician – EMC was tasked with performing surveys for the Wetlands Reserve Easements Project. This task involved conducting legal boundary surveys across 116.73-acres in Avoyelles Parish, Louisiana. Mr. Ford utilized AutoCAD to develop the plats and Trimble software to create legal descriptions, process and map the data. Cost: $48,285.43
08/20 – 10/20	**Ocean City Beach and Great Egg Inlet Beach Monitoring Survey Ocean City, New Jersey (Client: USACE, Philadelphia) -** Mr. Ford was a CADD Technician who processed the RTK GPS and single beam data for the beach and shoreline conditions, erosion rates, offshore bar tracking and sediment movement project along the Long Beach Township, Harvey Cedars, Brant Beach, Surf City Refuge and Surf City Beach in New Jersey for the USACE Philadelphia District. Cost: $182,415.84
06/19 – 08/20	**Property Boundary Determination, Border Protection Project Survey Support in Cameron, Starr, and Hildalgo Counties, Texas (Client: USACE, St. Louis)** Mr. Ford was one of the CADD Technician who entered data into uSMART online Database and processed data using AutoCAD software to create maps and final plats of the survey data for each of these boundary surveys in Cameron, Hidalgo, and Starr counties in Texas. He also assisted in the writing of legal descriptions and the QC review of the final submittals. Cost $3,159,800.00

Firm employed by EMC, Inc. of MS					
Name	**Brantley Shaw**		Years of relevant experience with this employer	6	
Title	**CADD Technician and UAV Pilot**		Years of relevant experience with other employer(s)	0	
Degree(s) / Years / Specialization					
Active registration number / state / expiration date					
Year registered		Discipline			
Contract role(s) / brief description of responsibilities			CADD Technician and UAV Pilot		

Mr. Shaw is one of EMC's UAV pilots and one of the CADD/GIS Technicians. He is experienced in an array of computer software such as MicroStation, Inroads, Riegl Software, AutoCAD, ArcView, HYPACK, Chesapeake SonarPro, Sonar Wiz, Caris, etc. Mr. Shaw became a certified UAV pilot in 2021. He now operates EMC's new Skyfront Perimeter 8+, along with our Riegl VUX-1UAV LiDAR and Sony Alpha 6000 camera with a E16mm lens. Mr. Shaw also holds certification in First Aid/CPR.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
01/24 – 05/24	**Boundary, ALTA, and Topographic Surveying Services for the Silicon Ranch Site Rochelle, Wilcox County, GA (Client: Silicon Ranch Corporation)** - UAV Pilot & CADD Technician – Mr. Shaw surveyed approx. 1300 acres for the Silicon Ranch Solar farm where he utilized our Harris Aerial H6 Hybrid Drone with mounted Reigl VUX-1UAV Scanner to obtain the necessary LiDAR data and imagery. He processed the LiDAR data in RiPROCESS, and photos were edited utilizing Pix4D software. MicroStation and AutoCAD software was used by Mr. Shaw for the final drafting process. Cost: $198,745.00
08/24 – 10/24	**Legal Boundary Surveys for NRCS ACEP - WRE, Roy and Blanchie Lee Broomfield, Humphrey County, Mississippi (Client: NRCS, Mississippi)** - CADD Technician - EMC was tasked with performing surveys for the Wetlands Reserve Easements Project. This task involved conducting a boundary survey in Humphrey County MS totaling 30.68-acres. Mr. Shaw used Trimble software to process and map the data and he utilized AutoCAD to create the plats for final deliverables. Cost: $21,788.30
04/23 – 08/23	**Interstate 10 Hydrographic and Mobile LiDAR Surveying Services, Mobile, AL (Kiewit) -** EMC was task to collect hydrographic and mobile LiDAR data at specified areas within the I-10 corridor near Mobile, Alabama. Multibeam data collection was performed using a Reason T50 multibeam coupled with a Applanix PosMV inertial navigation system. Mr. Shaw was a CADD Specialist for this project. Cost: $462,500.00
02/23 – 05/23	**Legal Boundary Surveys for NRCS ACEP - WRE, Evangeline and St. Landry Parishes, Louisiana (Client: NRCS, Louisiana)** - CADD Technician - EMC was tasked with performing surveys for the Wetlands Reserve Easements Project. This task involved conducting boundary surveys across three parishes totaling 640 acres. Mr. Shaw used Trimble software to process and map the data and he utilized AutoCAD to create the plats for final deliverables. Cost: $101,999.17
03/23 – 08/23	**Boundary, ALTA, Topographic and Tree Survey for Robins Site in Houston County, Georgia (Client: Silicon Ranch Corporation)** - UAV Pilot & CADD Technician – Mr. Shaw surveyed approximately 4700 acres for the Silicon Ranch Solar farm as required for this task order. Mr. Shaw utilized our Harris Aerial H6 Hybrid Drone with mounted Reigl VUX-1UAV Scanner to obtain the necessary LiDAR data and imagery. He processed the LiDAR data in RiPROCESS, and photos were edited utilizing Pix4D software. MicroStation and AutoCAD software was used by Mr. Shaw for the final drafting process. Cost: $316,210.00

11/20 – 04/22	**North Breton Island Aerial LiDAR Survey Post Construction Assessment Survey (Client: Rambolli Americas Engineering Solutions, Inc.)** - UAV Pilot & CADD Technician - EMC used our Harris Carrier H6 HE+, along with our Riegl VUX-1UAV LiDAR and Sony Alpha 6000 camera with a E16mm lens to survey the conditions of the Island after sand and other materials were added to the Island. Mr. Shaw was the UAV pilot for this project. He also processed and mapped the survey data. Contract Value: $101,931.00

Firm employed by EMC, Inc. of MS				
Name	**Cutter Petty**		Years of relevant experience with this employer	5
Title	**CADD Technician**		Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization				
Active registration number / state / expiration date				
Year registered		Discipline		
Contract role(s) / brief description of responsibilities			CADD Technician	

Mr. Petty serves as one of EMC's CADD Technicians. His experience ranges from collecting survey datasets to reviewing the final products. With his eleven years of experience, he has successfully processed and mapped a substantial amount of surveying projects over the years. As a CADD Specialist, Mr. Petty has experience in surveying CADD/GIS Software Packages. He is experienced and trained in software such as MicroStation, Inroads, Riegl Software, AutoCAD, ArcView, HYPACK, Chesapeake SonarPro, Sonar Wiz, Caris, etc.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
10/24 -01/25	**Agricultural Conservation Easement Program (ACEP) Wetland Reserve Easement (WRE) of Susan B. Morphis Catahoula Parish, LA (NRCS, LA) -** CADD Technician – EMC was tasked with performing surveys for the Wetlands Reserve Easements Project. This task involved conducting legal boundary surveys across three parishes in Louisiana totaling 78.00 acres. This survey included developing a plat of the survey, associated legal description, installing NRCS posts at each boundary corner and replacing missing monuments as needed. Mr. Petty used Trimble software to process and map the data. Cost: $77,980.81
08/23 – 08/23	**Freshwater Bayou Lock Approach Wall and Dolphins, Kaplan, Lafourche Parish, LA (Client: USACE, New Orleans) -** EMC was tasked to perform a survey at requested locations for the purpose of surveying the north and south approaches to Freshwater Bayou Lock to support development of P&S for new approach walls and dolphins on the East side of the structure. CADD Technician, Mr. Petty processed and mapped the data obtained during this multibeam survey. He produced a CADD deliverable of the horizontal alignment, channel cross sections and featured shots as required to complete this task order. Cost: $24,151.09
09/23 -12/23	**Legal Boundary Surveys for NRCS ACEP - WRE, Franklin, Tensas, and Avoyelles Parishes, Louisiana (Client: NRCS, Louisiana) -** CADD Technician – EMC was tasked with performing surveys for the Wetlands Reserve Easements Project. This task involved conducting legal boundary surveys across three parishes in Louisiana totaling 105 acres. This survey included developing a plat of the survey, associated legal description, installing NRCS posts at each boundary corner and replacing missing monuments as needed. Mr. Petty used Trimble software to process and map the data. Cost: $77,980.81
08/23 – 11/23	**Legal Boundary Surveys for NRCS ACEP - WRE, Tensas and Concordia Parishes, Louisiana (Client: NRCS, Louisiana) -** CADD Technician – EMC was tasked with performing surveys for the Wetlands Reserve Easements Project. This task involved conducting legal boundary surveys within two parishes in Louisiana totaling 347 acres. This survey included developing a plat of the survey, associated legal description, installing NRCS posts at each boundary corner and replacing missing monuments as needed. Mr. Petty utilized Trimble Business Center to process the data daily, developed plats and legal descriptions. Cost: $91,402.10
02/21 – 06/21	**Legal Boundary Surveys for NRCS ACEP - WRE, St. Landry, Catahoula, Rapides and East Carroll Parishes, Louisiana (Client: NRCS, Louisiana) -** CADD Technician - This task involved conducting legal boundary surveys for five ACEP WRE sites across four parishes in Louisiana, totaling approximately 4101 acres. This survey included developing a plat of the survey, associated legal description, installing NRCS posts at each boundary corner and replacing missing monuments as needed. Mr. Petty used Trimble software to process and map the data. Cost: $345,063.25

01/20 – 05/20	**Legal Boundary Surveys for NRCS ACEP - WRE, Avoyelles and Natchitoches Parishes, Louisiana (Client: NRCS, Louisiana)** – CADD Technician – This task involved conducting legal boundary surveys for three ACEP WRE sites across two parishes in Louisiana, totaling approximately 346 acres. This survey included developing a plat of the survey, associated legal description, installing NRCS posts at each boundary corner and replacing missing monuments as needed. Information came into the office daily and Mr. Petty utilized Trimble Business Center to process the data daily, developed plats and legal descriptions. Cost: $99,069.51

Firm employed by EMC, Inc. of MS				
Name	**David Tubbs**		Years of relevant experience with this employer	12
Title	**SUE Specialist and CADD Technician**		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization				
Active registration number / state / expiration date				
Year registered		Discipline		
Contract role(s) / brief description of responsibilities			SUE Specialist and CADD Technician	

Mr. Tubbs currently serves as one of EMC's Lead SUE Specialist and has over 11 years of surveying and mapping experience. His experience ranges from collecting data to processing SUE datasets and mapping to reviewing the final product. Mr. Tubbs has experience in operating SUE-related equipment such as Ground Penetrating Radar, Radio Frequency (RF) Locators, and Vacuum Excavation. He also has experience in mapping SUE data using a variety of CADD/GIS Software Packages. He is experienced and trained in MicroStation, AutoCAD, and ArcView, etc.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
01/24 – 04/24	**Removable Barrier Project, Starr and Hidalgo Counties, Texas (Client: USACE, Fort Worth District)** - SUE Specialist & CADD/GIS Specialist - EMC was contracted to provide surveying services for 31 tracts of land. EMC performed a static GPS control network which supplied the horizontal positions. Mr. Tubbs completed a utility survey and then post processed the survey data utilizing AutoCAD 3D. He also assisted with processing the boundary and topographic data using various software. Cost: $549,151.75.
03/23 – 04/24	**Subsurface Utility Engineering (SUE) for Communications Facility Addition and Modernization, NAS JRB, New Orleans (Client: Johnson McAdams Firm, P.A.)** - SUE Specialist & CADD/GIS Specialist - EMC was contracted to perform Subsurface Utility Engineering (SUE) Quality Level B investigation in NAS JRB Naval Base in New Orleans, LA. Our SUE equipment consists of 1-GSSI 400 MHz Ground Penetrating Radar (GPR), 1-Radio Detection RF Line Locator, and 1-Pipe Horn. Mr. Tubbs was the SUE Specialist that collected the GPR data, processed and mapped the survey data for this project. Cost: $16,392.00
08/22 – 06/23	**Orange County Coastal Storm Risk Management Project, Orange County, TX (Client: USACE, Galveston)-** SUE Specialist & CADD/GIS Specialist – Quality B survey completed for the purpose of completion of the task order. The SUE investigation began with contact to 811 then a subsurface investigation was completed using GSSI 400 MHz and Noggin Smart Cart 250 MHz round Penetrating Radar Systems. After completing the Class B survey, the crew confirmed the accuracy of utility markings. Utilities mapped in the field were labeled and documented with field notes and photographs. Cost: $3,489,640.23
02/23 – 09/23	**US 49, Topographic and Hydraulic Survey, Yazoo County, Mississippi (Client: HDR) -** EMC performed the necessary surveys to complete this topo and hydraulic surveys for US 49. In addition, EMC also located all utilities within the Highway ROW. Mr. Tubbs coordinated all SUE operations for this project. He also was apart of the final quality control review prior to the final submittal. Cost: $173.590.82
10/20 – 01/21	**Property Boundary Determination, Topographic and Utility Surveys Survey, Laredo 32 Mile South Segment Webb County, Texas (Client: USACE, Fort Worth)** - SUE Specialist & CADD/GIS Specialist – Quality Level C Investigation was completed on all 225 parcels for this task order which was essential for the completion of the Border Wall Project. This involved contacting TX 811 and collecting the data that was marked in the field with RTK. Project Cost: $3,853,380.00

09/22 – 12/22	**Cairo Flood Wall Boundary and Utility Survey Cairo, Illinois Along the Ohio River (Mile 977 to Mile 980) (Client: USACE, Memphis) -** SUE Specialist & CADD/GIS Specialist – This project included boundary and utility surveys for demolition plans of the existing floodwall and the construction plans of a proposed new floodwall along the Ohio River in Cairo, IL. Quality Level C survey began with a recon to find existing control. Next, the surveying crew found all visible utilities and those subsurface utilities marked by 811 were collected with the RTK/GPS Units. Photographs were taken of all of the property corners. Cost: $61,040.72

Firm employed by EMC, Inc. of MS				
Name	**Jared Flowers**		Years of relevant experience with this employer	16
Title	**Abstractor**		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization				
Active registration number / state / expiration date				
Year registered		Discipline		
Contract role(s) / brief description of responsibilities			Abstractor	

Mr. Flowers is extremely detailed oriented, diligent, conscientious, and hardworking. He has vast knowledge and experience in conducting extensive title research compiling deeds, leases, judgments, mortgages and other encumbrances to generate reports or abstracts. Mr. Flowers has gained vast knowledge in property, estate, and contract law while working on contract with the NRCS and various private clients throughout the Southeast, including the State of Louisiana.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
09/21 – 08/24	**Utility Easement and Right-of-Way Acquisition, Desoto County, MS; (Client: Atmos Energy) –** Abstractor, Mr. Flowers conducted title research and organized real estate records for more than 24 parcels for this utility easement and right-of-way acquisition in Desoto, MS. Project Cost: $209,628.60
12/23 -05/24	**Legal Boundary Surveys for NRCS ACEP - WRE, B & L Land Company, Washington County, Mississippi (Client: NRCS, Mississippi)** – EMC was tasked with performing surveys for the Wetlands Reserve Easements Project. This task involved conducting legal boundary surveys within Washington Co., MS totaling 84.29-acres. This survey included developing a plat of the survey, associated legal description, installing NRCS posts at each boundary corner and replacing missing monuments as needed. Abstractor, Mr. Flowers conducted title research and organized real estate records for these easement surveys.. Cost: $38,518.48
08/24 – 10/24	**Legal Boundary Surveys for NRCS ACEP - WRE, Roy and Blanchie Lee Broomfield, Humphrey County, Mississippi (Client: NRCS, MS)** - EMC was tasked with performing surveys for the Wetlands Reserve Easements Project. This task involved conducting a boundary survey in Humphrey County MS totaling 30.68-acres. This survey included developing a plat of the survey, associated legal description, installing NRCS posts at each boundary corner and replacing missing monuments as needed. Abstractor, Mr. Flowers conducted title research and organized real estate records for these easement surveys. Cost: $21,788.30
09/23 -12/23	**Legal Boundary Surveys for NRCS ACEP - WRE, Franklin, Tensas, and Avoyelles Parishes, Louisiana (Client: NRCS, LA)** EMC was tasked with performing surveys for the Wetlands Reserve Easements Project. This task involved conducting legal boundary surveys across three parishes in Louisiana totaling 105 acres. This survey included developing a plat of the survey, associated legal description, installing NRCS posts at each boundary corner and replacing missing monuments as needed. Abstractor, Mr. Flowers conducted title research and organized real estate records for these easement surveys. Cost: $77,980.81
08/23 – 11/23	**Legal Boundary Surveys for NRCS ACEP - WRE, Tensas and Concordia Parishes, Louisiana (Client: NRCS, LA)** – EMC was tasked with performing surveys for the Wetlands Reserve Easements Project. This task involved conducting legal boundary surveys within two parishes in Louisiana totaling 347 acres. This survey included developing a plat of the survey, associated legal description, installing NRCS posts at each boundary corner and replacing missing monuments as needed. Abstractor, Mr. Flowers conducted title research and organized real estate records for these easement surveys. Cost: $91,402.10

01/20 – 05/20	**Legal Boundary Surveys for NRCS ACEP - WRE, Avoyelles and Natchitoches Parishes, Louisiana (Client: NRCS, LA)** – This task involved conducting legal boundary surveys for three ACEP WRE sites across two parishes in Louisiana, totaling approximately 346 acres. This survey included developing a plat of the survey, associated legal description, installing NRCS posts at each boundary corner and replacing missing monuments as needed. Abstractor, Mr. Flowers conducted title research and organized real estate records for these easement surveys. Cost: $99,069.51

17. Firm Experience:

Identify the team's project experience **most relevant** to the scope in the advertisement. **5 projects are identified for the prime consultant,**

Firm name	EMC, Incorporated of MS		Discipline(s)*	Data Collection, Planning, ROW and Survey Other: (Boundary)	
Project name	**Legal Boundary Surveys for NRCS ACEP - WRE, Tensas and Concordia Parishes, Louisiana**		Firm responsibility (prime or sub?)	Prime Contractor	
Project number	12FPC323F0141	Owner's name	USDA – NRCS Louisiana State Office		
Project location	Tensas and Cordia Parishes, LA		Owner's Project Manager	Dustin Farmer	
Owner's address, phone, email	Address: 3737 Government St., Alexandria, LA 71302		Phone: (318) 473-7773	Email: Dustin.Farmer@usda.gov	
Services commenced by this firm (mm/yy)	08/23	Total consultant contract cost ($1,000's)		$91,402.10	
Services completed by this firm (mm/yy)	11/23	Cost of consultant services provided by this firm ($1,000's)		$91,402.10	

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

EMC was tasked with performing surveys for the Wetlands Reserve Easements Project. This task involved conducting legal boundary surveys within two parishes in Louisiana totaling 347 acres. It required setting approximately 82 monuments and NRCS witness post signage. Monuments of 2-1/2" aluminum caps set on 5/8" x 24" rebar were set under this task order at each boundary corner except where found monuments existed and were held. Photo documentation was taken of each monument and witness post set. EMC initiated the project with courthouse research to establish ownership and reference points. Prior to fieldwork, a collaborative meeting with NRCS and the landowner clarified the purpose and expectations of the easement. This collaborative meeting was recorded and documented by the field supervisor to ensure clarity and alignment among all stakeholders. The meeting outcomes, along with all compiled title information and clear instructions for the next steps, were provided to the field crew. Field crews established project control points and utilized Trimble GPS and Total Station equipment to collect cadastral data. Findings were submitted to EMC's office operations daily for processing in Trimble Business Center. This data underwent processing using Trimble Business Center (TBC) and was evaluated by our Professional Land Surveyors. They compared the data relative to the recorded evidence and made determinations regarding whether the corner was "held" or not. Once property lines were established, office personnel designed the easement boundary using various software programs. The preliminary submission, including detailed plats and legal descriptions, were reviewed, and approved by NRCS before setting easement boundary monuments and installing signage. Through effective project management, EMC successfully completed the task order within the designated period, delivering high-quality results to NRCS. Deliverables included AutoCAD files, PDF Plats, KML files, a Survey Report, Coordinate List, Legal Descriptions, and Shapefiles.

Since 2009, EMC has held a contract with the NRCS of Louisiana. During this time our firm has successfully completed over 244 legal easement boundary surveys for the NRCS. All of the projects were similar in scope to this one that is provided as an example.

Contract Information

- Pre-survey meeting
- Courthouse Research
- Control Surveying
- Boundary Surveying
- Topographic Surveying
- Field Work & Mapping
- Preparing Legal Descriptions
- Preparing Tract Reports
- Tentative Maps
- Calculating Areas
- Creating Surveys/Plats
- Marking, Posting & Maintenance of Boundary
- Private & Government Lands
- Meeting NRCS & State Standards

Staff: Josh Mattox, William Gray, Melvin Greene, Kevin Martin, Brantley Shaw, Cutter Petty

Firm name	EMC, Incorporated of MS		Discipline(s)*	Data Collection, Planning, ROW and Survey Other (Boundary, Topographic)	
Project name	**ALTA Survey for TCC Survey Support to RSFO**			Firm responsibility (prime or sub?)	Prime
Project number	W9126G24F0191	Owner's name	USACE Fort Worth, District		
Project location	Bexar County, San Antonio, TX		Owner's Project Manager	Stephen C. Corley	
Owner's address, phone, email	Address: 819 Taylor Street, Fort Worth, TX Phone: (817) 886-1494 Email: Steve.C.Corley@usace.army.mil				
Services commenced by this firm (mm/yy)	05/24	Total consultant contract cost ($1,000's)		$497,785.58	
Services completed by this firm (mm/yy)	07/24	Cost of consultant services provided by this firm ($1,000's)		$497,785.58	

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

EMC, Inc. was contracted to provide ALTA survey services for four parcels, all located in the City of San Antonion, Bexar County, Texas. The survey effort entailed Static GPS Control surveying, RTK and conventional topographic surveying, mobile lidar surveying and boundary retracement surveying. Prior to beginning field work, 811 was contacted to mark the utilities at the site and provided title work was reviewed for all parcels. Records received from initial title were plotted by our CAD team to create background files for field data collection and assist with boundary recovery. To begin the survey, we performed a series of static GPS control surveys, holding an existing NGS monument for elevation, as well as nearby CORS stations for horizontal and vertical. We established two additional control points onsite to assist in data collection. RTK GPS was used from these static control positions to collect topographic and boundary survey data. RTK was also used to establish lidar "targets". These targets were comprised of existing striping features surrounding the site to tie the lidar data to the project control. After establishing control, Initial survey efforts were directed towards collecting the lidar data with a mobile lidar crew, while two additional field crews performed boundary recon. Files were submitted daily throughout the data collection to our offices for post-processing, mapping and updating needs from the field crews. Title work revealed survey replats of all areas required in this survey. Boundaries were shifted as data was submitted to the PLS to create updated "look" points. Boundary recon surveys recovered several record monuments which fit well with record documents provided by the title documents. Corners not found were computed by compass rule between found monuments. There was an overlap in replats discovered between two parcels. Upon discovery our team notified the contract officer and created requested exhibits to assist the corps with their efforts. The latest record was held as it fit with current construction along Micron Road. After the lidar data was collected in the field it was post-processed, and our CAD team began extraction of all required topographic data. After processing the lidar, we provided field crews with boundaries reflecting areas that the lidar was unable to reach due to visibility obstacles. Field crews continued with topographic field efforts to collect those items and began subsurface utility investigations using visible markings of utilities, markings from 811 and record research. All visible and marked items were collected by our crews. Topographic survey methods included the use of Trimble R-10 model 2 and R-12 GNSS RTK GPS systems, a Trimble S7 total station and a Riegl VMX-450 mobile lidar system. Additional underground investigations were performed by our team to determine as many utilities as possible on the site. Processing of data and subsequent mapping efforts were performed daily to keep up with field crew collection to meet the expedited timeframe requested by the scope of work. Boundary and easement mapping was performed by the Registered Professional Land Surveyor while topographic mapping, utility mapping and lidar extraction was performed by multiple CAD technicians. Upon completion of these phases of mapping, a Senior CAD technician incorporated all items into a single CAD file for final mapping to be reviewed by the licensed surveyor. The submitted ALTA plats were reviewed and checked to ensure all items in the scope of work were met.

Staff: Josh Mattox, William Gray, Melvin Greene, Christopher Geoghegan, Jason Hill, John Webb, Brantley Shaw, Cutter Petty, David Tubbs

Firm name	EMC, Incorporated of MS		Discipline(s)*	Data Collection, Planning, ROW and Survey Other: (Boundary)	
Project name	**Fort Johnson Boundary Survey**			Firm responsibility (prime or sub?)	Prime
Project number	W912G24F0237	Owner's name	USACE Fort Worth, District		
Project location	Vernon Parish, LA		Owner's Project Manager	Stephen C. Corley	
Owner's address, phone, email	Address: 819 Taylor Street, Fort Worth, TX Phone: (817) 886-1494 Email: Steve.C.Corley@usace.army.mil				
Services commenced by this firm (mm/yy)	06/24	Total consultant contract cost ($1,000's)		$81,426.01	
Services completed by this firm (mm/yy)	07/24	Cost of consultant services provided by this firm ($1,000's)		$81,426.01	

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

To begin the survey, EMC, Inc. set a control point and check point and performed static GPS data collection for processing through NGS OPUS, which supplied the positions for the final project control. RTK GPS was used from these positions to collect topographic and boundary survey data. After control establishment, Initial survey efforts were directed towards boundary recon. Field files were submitted daily throughout the data collection to our offices for post-processing, mapping and updating needs from the field crews. Plotted boundaries were adjusted to found monumentation as data was submitted to create updated "look" points for field crews. Boundary recon surveys recovered several record monuments which fit well with record documents provided by the title documents. The few corners not found were computed by proration between found monuments. Stake locations were provide to field crews and all field efforts concluded on July 7, 2024. Processing of data and subsequent mapping efforts were performed daily to keep up with field crew collection. Boundary mapping was performed by the CADD team and the Registered Professional Land Surveyor. Concerning tract 565, our team found the record description of the tract. The record called to start from the Southwest corner of the Southwest quarter of the Southeast quarter of Section 15, Township 4 North, Range 8 West. We recovered this monument along with both the Southwest and Southeast corners of said Section 15, which verified its placement. From the point we followed the record calls and found additional pipes at or near the corners. We held the found Section corners and record Point of Commencement as well as a found iron pipe at the Northeast corner of the tract. Remaining corners were established from a proration of the record calls on-line between found monuments breaking down the quarter Section. Concerning tract 565-1, the record descriptions were all aliquot in nature. The tract bounds consisted of the Southeast quarter of the Southeast quarter of Section 15, the Southwest quarter of the Southwest quarter of Section 14 and the Southeast quarter of the Southwest quarter of Section 14, all in Township 4 North, Range 8 West. We recovered all four Section corners of Section 14. As stated above we recovered the South line of Section 15 as well as three of the four corners of the Southeast quarter of the Southeast quarter of Section 15. We also recovered several monuments within the Sections breaking down the quarters and quarter-quarters. We disregarded monuments that fell offline and were in apparent error. These monuments are still shown on the map with applicable offsets to computed boundary lines. Requested type G monuments were set all boundary corners that were not present. POT monuments were set at approximate 330' intervals, as close to intervisible as the terrain would allow. The POT monuments were 5/8" x 36" rebar and 3 ¼" Aluminum caps. All marks were witnessed by a carsonite post.

Staff: Josh Mattox, William Gray, Michael Cook, Melvin Green, David Tubbs, James Pettigrew, William Gross, Jason Hill, Kevin Martin

Firm name	EMC, Incorporated of MS		Discipline(s)*	Data Collection, Planning, ROW and Survey Other: (Boundary, Hydraulic, Topographic)	
Project name	**Hydraulic, Topographic, and Boundary Surveys US 61 from Natchez Trace to 4 Lane North of Port Gibson, Claiborne County, MS**		Firm responsibility (prime or sub?)	Prime	
Project number	SP-00009-01(131)/ 101819-103000	Owner's name	Mississippi Department of Transportation		
Project location	Port Gibson, MS		Owner's Project Manager	Chad Ainsworth	
Owner's address, phone, email	Address: 401 North West Street, Jackson, MS 39216 Phone: (601) 359-7062 Email: cainsworth@mdot.ms.gov				
Services commenced by this firm (mm/yy)	09/24	Total consultant contract cost ($1,000's)		$836,170.48	
Services completed by this firm (mm/yy)	03/25	Cost of consultant services provided by this firm ($1,000's)		$836,170.48	

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

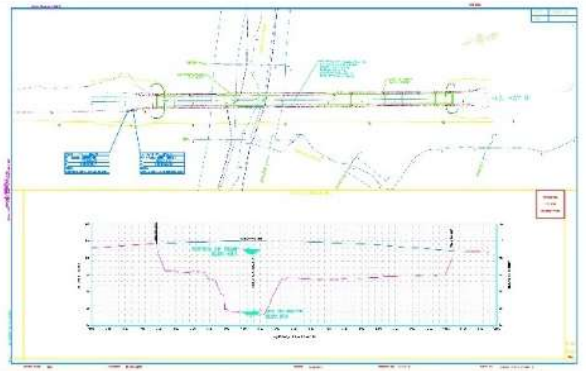
This project involved conducting hydraulic, topographic, and boundary surveys along US 61 from Natchez Trace to the four-lane section north of Port Gibson in Claiborne County, Mississippi. Survey crews adhered to hydraulic and topographic survey manuals to ensure compliance with project standards.

Data collection was performed using Trimble GPS systems and Trimble total stations to acquire detailed measurements for the floodplain profile, roadway profile, stream profile, channel sections, bridge details, roadway cross sections, utilities, and general topographic features. Additionally, observed evidence of high-water marks was documented based on physical indicators and verbal accounts.

The boundary survey encompassed over 300 property owners, including adjacent properties on both sides of the survey limits, extending an additional 500 feet along local roads beyond these limits or up to two properties along each respective road. Property data was collected using conventional and GPS surveying methods.

Field data was processed using Trimble Business Center before being imported into MicroStation, where all points were placed on MDOT-designated levels, with appropriate cells, line types, line weights, and line styles applied to meet MDOT standards.

Staff: Josh Mattox, William Gray, Melvin Greene, William Gross, David Blair, Ronald Hutchinson, Jr., William Moore, Christopher Geoghegan, Colby Pettit, Jason Hill, John Webb, Kevin Martin, Brantley Shaw, David Tubbs, James Pettigrew, Jared Flowers



Firm name	EMC, Incorporated of MS		Discipline(s)*	Data Collection, Planning, ROW and Survey Other: (Boundary, Topographic, Hydraulic)	
Project name	**MDOT SR 8 Bridge 64.1 & 64.9 Replacement**			Firm responsibility (prime or sub?)	Prime
Project number		Owner's name	Mississippi Department of Transportation		
Project location	Grenada, MS		Owner's Project Manager	Chad Ainsworth	
Owner's address, phone, email	Address: 401 North West Street, Jackson, MS 39216 Phone: (601) 359-7062 Email: cainsworth@mdot.ms.gov				
Services commenced by this firm (mm/yy)	03/24	Total consultant contract cost ($1,000's)		$126,572.29	
Services completed by this firm (mm/yy)	06/24	Cost of consultant services provided by this firm ($1,000's)		$126,572.29	

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

This project involved hydraulic, topographic, and boundary surveys along Highway 8 (SR 8), including bridges over the Yalobusha River (Bridge No. 64.1) and Slough Creek (Bridge No. 64.9) in Grenada County, Mississippi. Survey crews followed the hydraulic and topographic survey manuals to ensure compliance with project requirements. Data collection was conducted using Trimble GPS systems, Trimble S6 total stations, and a Riegl VMX-450 Mobile LiDAR System. These tools were utilized to gather data for the floodplain profile, roadway profile, stream profile, channel sections, bridge details, roadway cross sections, utility mapping, and general topographic features. Additionally, observed evidence of high-water marks was documented based on physical indicators and verbal accounts. The boundary survey covered approximately seven different property owners, along with adjacent properties on both sides of the survey limits. It also extended an additional 500 feet along local roads beyond these limits or up to two properties along each respective road. Field-collected data was processed using Trimble Business Center and imported into MicroStation OpenRoads. All points were placed on MDOT-designated levels, ensuring adherence to standards. Furthermore, all appropriate cells, line types, line weights, and line styles were applied in accordance with MDOT requirements.

Staff: Josh Mattox, William Gray, Melvin Greene, William Gross, Jacob Mattox, James Cole, John Webb, Kevin Martin, Ralph Hutchinson, James Pettigrew, Brantley Shaw, David Tubbs,

18. Approach and Methodology: Performing Legal Boundary Surveys

EMC brings extensive experience in boundary surveys across the United States, with a particularly successful history in Louisiana for the USACE and NRCS. Since 2009, our firm has successfully completed hundreds of legal easement boundary surveys for the NRCS in the rural area located within the State of Louisiana. Additionally, we have completed numerous boundary surveys for the U.S. Fish and Wildlife and the USACE, New Orleans and Vicksburg Districts within the State.

Furthermore, EMC has managed and conducted hundreds of easement boundary surveys for the NRCS in Mississippi, Alabama, and Florida. We have also undertaken numerous boundary surveys for government agencies such as the Corps of Engineers districts in Vicksburg, Memphis, Jacksonville, Mobile, Fort Worth, and Norfolk. In addition to these projects, we have successfully completed numerous boundary surveys and right-of-way (ROW) surveys for various public and private companies, including Lend Lease LLC and Atmos Energy, among others. Our services extend to section retracement for rural areas nationwide, including subdivision layout, re-staking, lot surveys, ROW surveys, encroachment surveys, and title surveys. With a combined experience of over 140 years in cadastral surveys, EMC's professional team are well-equipped to handle the NRCS's diverse surveying needs.

EMC has performed boundary and cadastral surveys in both "public domain" states and "metes and bounds" states. In either case, we begin by researching all of the available records pertinent to the boundary being surveyed including all adjoiners. All deeds are plotted and checked for closure, gaps, overlaps, etc. To conform to particular coordinate system requests, "historical" data that is not projected into a coordinate system, is scaled, and rotated as a "best fit" either onto aerial photography, attached to deeds, or maps that have been projected. This process enables us to put all the record plats and descriptions into one puzzle. Additionally, aerial photography is often used as a guide to enable reconnaissance of section corners or prominent metes and bounds corners.

EMC has established a systematic process to successfully complete these surveys. This system is built on our team's surveying knowledge and years of legal boundary experience. Once we receive the notice to processed with the associated property information, our team begins each project with a pre-survey meeting to review the scope of work, develop the survey plan and present any questions that may arise. These meetings include our team's management, personnel, client's representative and if applicable the property owner(s). Meetings are conducted to ensure that all parties are "on the same page" and are aware of any changes made to the initial scope of work. This information discussed in the meetings is recorded by our team and is included in the final submittal of each project. It is also during this time that our team starts researching all the available records pertinent to the boundary being surveyed, including all adjoiners. All deeds are plotted in CADD software and checked for closure, gaps, overlaps, etc. To conform to coordinate system requests, "historical" data, which is not projected into a coordinate system, is scaled, and rotated as a "best fit" either onto aerial photography, attached to deeds or maps that have been projected. This enables us to put all the record plats and descriptions into one puzzle. Additionally, aerial photography is often used as a guide to enable reconnaissance of section corners or prominent metes and bounds corners.

Once all information is compiled, our field crews are provided with all the applicable information, along with instructions as to how to proceed. The field crews conduct an exhaustive search for all relevant boundary corners, as well as pertinent ties. Additionally, all visible encroachments, rights-of-way and/or easements, and existing infrastructure are located. Field data is collected using the most advanced and efficient methods and equipment available in today's environment. Our field crews use the latest Trimble/Nikon/Topcon Total Stations and Trimble GPS systems. The data is collected and stored in the field with Trimble hand-held data collectors. Project control information and daily field observations are kept in field books for quality control and as a guide for mapping. Field crews transferred the digital data and notes to the EMC's office daily via email or FTP site. This data is further analyzed, and all found corners are evaluated relative to their computed positions. A determination is made by one our professional land surveyors as to whether the corner is "held" or not. Any corners that need to be set are done so, mindful of any scale and/or rotation that may need to be applied to best "follow the footsteps" of the original surveyor. Projects are mapped using the latest version of AutoCAD Civil3D or MicroStation. EMC assigned attributes for the placement of the data in its proper level, color, weight, and cell type making the mapping process convenient and efficient. Using attribute and feature tables, lines, baselines, topographic edges, and break lines for contouring are automatically drawn and placed,

allowing for minimum time and maximum efficiency to complete mapping projects. Legal descriptions, reports and other information are generated and submitted to the client for the preliminary submittal.

Once approved and authorized, EMC's field crews proceed with setting the required monumentation and markings. Field crews set the appropriate monumentation and witness post at every corner, angle point, road crossing, intersecting property lines and at required distances along the boundary line. In wooded areas, EMC also blaze trees within 3 feet inside of the boundary area. All monuments and witness posts are documents in the field books and with photographs which are delivered to the client in the final deliverables. Final field data is sent to the office where it is verified and compiled for final quality control and submittal. Final maps may include plotting on paper, Mylar and/or digitally in Bentley OpenRoads or AutoCAD Civil3D. These files are delivered by CD, DVD, hard drive, or FTP. Other final submittals include all raw and processed data, legal descriptions, tabulated bearing, distance and coordinates, surveyor's report, CAD files, and shapefiles with metadata.

EMC has successfully completed legal easement boundary surveys for USDA-NRCS's easement programs. The firm has the specialized experience and technical competence to complete the surveying services for this contract. EMC has NRCS boundary surveying experience in the States of Mississippi, Louisiana, Florida, and Alabama. Some of these surveys were for the purpose of reestablishing the existing boundary, including the associated ingress and egress. All surveys, measurements, computations, monumentation, markings, drawings, and legal descriptions were performed under the supervision of one of our EMC's professional land surveyors.

EMC's experience performing legal easement boundaries surveys for the NRCS.

NRCS State Office	Years	Number of Parcels	Total Acres Surveyed
Louisiana	2009 - Present	244	56,753
Mississippi	2001 - Present	182	38,537
Alabama	2014 - Present	2	244
Florida	2006 - 2007	4	2,972

Other Recent Relevant Boundary Surveying Experience performed by EMC:

- Property Boundary Determination LE-2 DOE Project, Jefferson County TX (Client: USACE, Fort Worth)
- 34 Boundary, ALTA, and Topographic surveys for large solar farms, throughout the State of GA (Client: Silicon Ranch Corporation)
- San Miguel Staging Area (Client: USACE, Fort Worth)
- Port Gibson Bypass Survey Project (Client: Mississippi Department of Transportation)
- Mavrick County Texas Border Project TFC MATOC 2.0 (Client: Kiewit Engineering Group)
- ALTA Survey for TCC Support to RSFO (Client: USACE, Fort Worth)
- Castner Range Boundary Survey. El Paso County, Tx (Client: USACE, Fort Worth)
- Removable Barrier Boundary and Access Easement Surveys, Starr and Hidalgo Counties, Texas (Client: USACE, Fort Worth)
- Parcel Research, Topographic, Planimetric, Bathymetric and SUE Surveying Services for the Sabine Pass to Galveston Bay Orange County Coastal Storm Risk Management (CSRM), Orange County, TX (Client: USACE, Galveston)
- Parcel Research, Topographic, Planimetric, Bathymetric and SUE Surveying Services for the Sabine Pass to Galveston Bay Freeport Coastal Storm Risk Management, Brazoria County, TX (Client: USACE, Galveston)
- Property Boundary Determination Survey, Gates Tracts in Hidalgo County, Texas (SWF); Contract W9128F-15-D-0012, Task Order 02 included 14 Parcels Boundary Surveys and 1 Easement Survey
- Property Boundary Determination Survey, Brisco Ranch, Webb County, Texas (SWF); Contract W9126G-19-D-6004, Task Order W45XMA02263779. **This project included determining gradient boundary along the Rio Grande in order to establish water rights of the landowners.**

- Property Boundary Determination Survey, Laredo 32 Mile South Segment. Webb County, Texas (SWF) – Contract W9126G-19-D-6004, Task Order W9126G20F7052 includes approximately 225 Parcels Boundary Surveys. **This project included determining gradient boundary along the Rio Grande in order to establish water rights of the landowners.**
- Property Boundary Determination Survey in Cameron County, Texas (SWF); Contract W9128F-15-D-0012, Task Order 01 included 97 Parcels Boundary Surveys
- Property Boundary Determination Survey in Cameron, Hidalgo and Starr County, Texas (SWF); Contract W9128F-15-D-0012, Task Order 03 included 148 Parcels Boundary Surveys
- Property Boundary Determination Survey, River Bend Realignment, RGV-10, in Cameron County, Texas (SWF); Contract W9126G-19-D-6004, Task Order W9126G20F3750 includes 12 Parcels Boundary Surveys
- Nationwide Real Estate Boundary Surveys in support of three different Army programs, the Unaccompanied Personal Housing (UPH), Residential Communities Initiative (RCI) and Privatization of Army Lodging (PAL) programs by the USACE, Norfolk District and its private partners.

EMC stands ready to obtain any required traffic control certifications upon award of the contract. Our team is fully prepared to meet all applicable traffic safety requirements to ensure compliance with LDOT regulations. Should certification be necessary, EMC will promptly coordinate with LDOT and complete all required training or documentation to support safe and effective project execution.

Water Rights

EMC has a proven record of accomplishment in conducting a range of surveys to establish gradient, riparian, and littoral boundaries. Several of these projects include boundary establishment along the US/Mexico border. These boundary surveys helped determine applicable water rights to landowners adjacent to the water boundaries. We also successfully completed NRCS surveys along the Mississippi River in Louisiana, where we had to establish ownership adjacent to rivers, lakes, etc. Determining water rights is a complex process that involves several considerations, and EMC understands the complexities involved. One of the primary factors is the legal framework governing water rights in a particular area, which may be governed by state or federal laws, and specific rules and regulations can vary. Water rights may be determined based on priority of use, historical usage patterns, and the needs of different parties, including agricultural, industrial, and residential users. EMC's experience and expertise enable us to deliver precise and reliable survey data to support the determination of water rights.

Research

Our team has a great deal of experience in boundary, right of way, and easement surveys, which includes title research and preparation of servitude and right of way abstracts. We have performed these types of surveys along with American Land Title Association surveys (ALTA) for numerous federal, state, and private clients. The EMC team has dedicated personnel that have years of experience researching historic deeds and title document throughout the United States

Their experience comes from several federal government and private companies company contracts over the course of the last few years. Our team has performed hundreds of boundary surveys, including Border Wall Boundary Surveys, and we have also over 96,281-acres of easements for the NRCS agency which include establishing new easements, as well as researching and plotting existing servitudes, right of ways and easements. We have also developed continuing relationships with many clienteles in the private sector construction and oil and gas industry, for which we have performed hundreds of surveys that include cadastral, servitude, easement and right of way collection or establishment. All these surveys require

thorough title research and examination. We have performed numerous ALTA surveys across the U.S. over the last several years. Each of these ALTA surveys required that all titles, current easements, servitudes, rights of way, etc. be examined, surveyed, and plotted on the final maps.

Preparation of legal description

Throughout this SF-330, it has been highlighted that EMC has conducted hundreds of boundary surveys across the country. For each of these surveys, the team has prepared accurate and reliable legal descriptions that adhere to the standards set by the respective states where the surveys were conducted. The preparation of these recordable legal descriptions is an essential component of the boundary survey process, ensuring that the boundaries are legally recognized and can be recorded for future reference.

Proposed Project Schedule

EMC's proposed project schedule for boundary surveys is structured to be completed over a four to five-week period, depending on site conditions and data availability. The project will begin with a kickoff and records research phase during the first week. During this time, our team will receive the notice to proceed, confirm the property location with the LDOT, and begin collecting relevant documents such as deeds, title commitments, and prior plats. Concurrently, courthouse research will be conducted to identify record data for the subject parcel and adjoining properties, along with reviewing GIS data and aerial imagery for planning purposes.

In the second week, field reconnaissance and control setup will take place. A survey crew will mobilize to the site to establish control using GPS equipment, including any necessary OPUS corrections. The team will locate existing monumentation and assess the site for accessibility and potential obstacles. This phase is crucial for identifying any discrepancies between record documents and physical evidence found in the field. As data is collected in the field, it will be transmitted to our office team daily. Our CAD Technicians and Professional Land Surveyors will continuously process the incoming data, review boundary evidence, and update mapping files in real time. This daily workflow allows for efficient coordination between the field and office, ensuring that new search points can be identified promptly, and any boundary issues are resolved without delay.

The third week will be focused on completing the boundary survey and collecting all necessary field data. This includes recovering or setting missing property corners, collecting detailed topographic and boundary information, and identifying any visible encroachments or improvements within the vicinity of the property lines. If required, a drone flight may be conducted to enhance documentation with aerial imagery.

EMC's office team will already have a head start on calculations and drafting thanks to the daily data transmission and ongoing processing during the previous weeks. In the second through fourth week, the team will finalize the analysis of all collected data, make any necessary traverse adjustments, and resolve the boundary line using coordinate geometry methods. A Professional Land Surveyor will oversee the completion of the boundary plat and prepare a legal description, if applicable, ensuring that all quality control procedures are followed. This streamlined process allows for faster turnaround and improved accuracy, as much of the groundwork will have already been completed through the continuous office and field coordination.

Finally, in the fifth week, all deliverables will be finalized and submitted to the client. Field crews will set any required monumentation in accordance with Louisiana state standards to complete the boundary as established. The final deliverables will include a certified boundary plat in both digital and hard copy formats, a legal description (if needed), and any requested supporting documentation. A draft version may be shared with the LDOT for review prior to final delivery. Upon approval, project files will be archived, and the final invoice will be issued. This proposed schedule is subject to adjustment based on weather, site conditions, or the availability of title documentation.

19. Workload:

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

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

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

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

Firm(s) **ALL FIRMS** MUST BE REPRESENTED IN THIS TABLE	Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
EMC	Survey	N/A	N/A	N/A
EMC	Data Collection	N/A	N/A	N/A
EMC	Right-of-Way	N/A	N/A	N/A

(Add rows as needed) DO NOT SUM

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

LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 11/20/2024 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Michael Olyn Cook
202 Cedar Lane Dr..
Kosciusko, Mississippi 39090

Cut Here

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

Mr. Michael Olyn Cook

License/Certificate Type - Number

PLS.0004879

Status: Active Exp Date: 09/30/2026

Fold Here

Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).

LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.

Print and keep the following information for your record or verification. The pocket card may also be printed on card stock or laminated to keep with you as license/certificate verification.

Disclaimer
All information provided by LAPELS on this web page, and on its other web pages and internet sites, is made available to provide immediate access for the convenience of interested persons. While LAPELS believes the information to be reliable, human or mechanical error remains a possibility, as does delay in the posting or updating of information. Therefore, LAPELS makes no guarantee as to the accuracy, completeness, timeliness, currency, or correct sequencing of the information. Neither LAPELS, nor any of the sources of the information, shall be responsible for any errors or omissions, or for the use or results obtained from the use of this information. Other specific cautionary notices may be included on other web pages maintained by LAPELS.

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

Mr. Michael Olyn Cook

License/Certificate Type - Number

PE.0028912

Status: Active Exp Date: 09/30/2026

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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
EMC, INCORPORATED OF MS	Business Corporation (Non-Louisiana)	GRENADA	Active

Previous Names

E.M.C., INC. OF GREENWOOD (Changed: 12/14/2009)

Business: EMC, INCORPORATED OF MS
Charter Number: 36452855F
Registration Date: 5/17/2007

Domicile Address

2472 SUNSET DR
GRENADA, MS 38901

Mailing Address

2472 SUNSET DR
GRENADA, MS 38901

Principal Business Office

2472 SUNSET DR
GRENADA, MS 38901

Registered Office in Louisiana

3867 PLAZA TOWER DR.
BATON ROUGE, LA 70816

Principal Business Establishment in Louisiana

3867 PLAZA TOWER DR.
BATON ROUGE, LA 70816

Status

Status: **Active**
Annual Report Status: **In Good Standing**
Qualified: 5/17/2007
Last Report Filed: 4/18/2025
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: 9/16/2021

Officer(s)

Additional Officers: No

Officer:	JOSH MATTOX
Title:	President
Address 1:	2472 SUNSET DRIVE
City, State, Zip:	GRENADA, MS 38901

Officer:	JAKE MATTOX
Title:	Vice-President
Address 1:	2472 SUNSET DRIVE
City, State, Zip:	GRENADA, MS 38901

Officer:	PATSY MATTOX
Title:	Executive Vice-President
Address 1:	2472 SUNSET DRIVE
City, State, Zip:	GRENADA, MS 38901

Amendments on File (4)

Description	Date
Disclosure of Ownership	11/24/2009
Name Change	12/14/2009
Stmt of Chg or Chg Prin Bus Off	9/16/2021
Stmt of Chg or Chg Prin Bus Off	1/6/2023

Print

Firm Details

Firm Name:	EMC, Inc
Address:	2472 Sunset Drive Grenada MS 38901
County:	Grenada
Phone:	662-266-5166

License Type:	Certificate of Authority (Surveying)
License Number:	34803
Initial License Date:	01/19/2024
Expires on:	12/31/2025
Designated Licensee:	Mr.Joshua Sanders Mattox (PS-3005)

21. <u>QA/QC Plan:</u>

If the advertisement requires submission of a QA/QC plan, include it here. **Otherwise, leave this section blank. If a QA/QC plan is included in this section and was not required by the advertisement, it will be 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 (Name must match exactly as registered with Louisiana's Secretary of State (SOS): including punctuation, include screenshot(s) from SOS at the end of Section 20)	**Address**	**Point of Contact and email address**	**Phone Number**

(Add rows as needed)

23. <u>Location:</u>

If location is an evaluation criterion for this advertisement (see page 2) and the prime consultant intends to establish a local presence, describe the plan for doing so. **Otherwise, leave this section blank. Any information included in this section will be redacted if not required by <u>the Evaluation Criteria section</u> of the advertisement**.