

CONTRACT NO. 4400032201

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# IDIQ CONTRACT FOR NATIONAL FLOOD INSURANCE PROGRAM (NFIP) AND THE COOPERATING TECHNICAL PARTNERSHIP (CTP) PROGRAM STATEWIDE

Louisiana Department of Transportation and Development

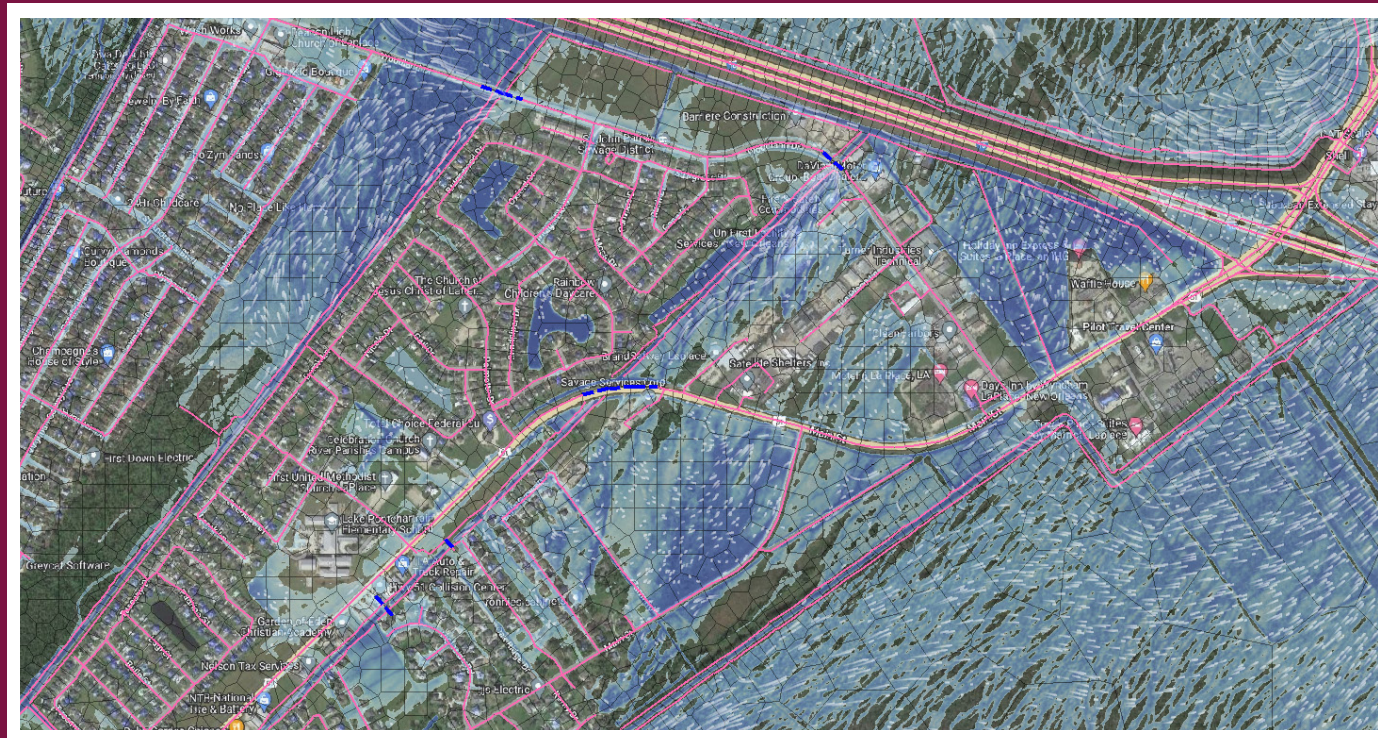
MAY 15, 2025

**SUBMITTED BY**

Dewberry Engineers Inc.  
9026 Jefferson Highway, Suite 302  
Baton Rouge, LA 70809

**SUBMITTED TO**

Louisiana Department of  
Transportation and Development



DEWBERRY ENGINEERS INC.

9026 JEFFERSON HIGHWAY, SUITE 302  
BATON ROUGE, LA 70809

O: 225.333.3000

WWW.DEWBERRY.COM

May 15, 2025

Louisiana Department of Transportation and Development (LA DOTD)

Attn: DOTDConsultantAds80@la.gov

Louisiana Department of Transportation and Development

1201 Capitol Access Rd

Baton Rouge, LA 70802

**RE: Contract No. 4400032201 IDIQ Contract for National Flood Insurance Program (NFIP) and the Cooperating Technical Partnership (CTP) Program Statewide**

Dear Selection Committee,

Louisiana is a proud, resilient state and deserves a strong foundation for sound floodplain management, mitigation strategies for flood risk, and aid for recovery in disasters. The LA DOTD establishes this IDIQ NFIP and CTP contract to identify, prevent, and solve floodplain issues before they develop into more serious issues for your community. **Dewberry Engineers Inc. (Dewberry)** shares your goal of prioritizing resilience and will provide the ideal combination of local knowledge backed by national expertise. Our team of talented and dedicated professionals has a track record of delivering complex flood hazard studies with a variety of community stakeholders and introducing customized and innovative solutions to aid in communication and minimize hardships on communities and citizens. Subject Matter Experts working directly with the Floodplain Management and Insurance Branch (FMI) of FEMA can help you and those communities navigate the sometimes-confusing world of compliance when those new flood studies are released. **Our team is a full-service solution for both the NFIP/CAP-SSSE-funded project and the Risk MAP program project.** We understand how those two programs work together. Of our **21 CTP clients, 13 are statewide CTP programs, so we understand how those two programs work together**, and how to best support you in a flexible way that creates maximum success as a partner to your local communities and FEMA.

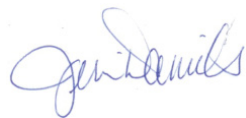
Our proposed Project Manager, **Seth Bradley, PE**, is a Louisiana native, LSU graduate, LA Professional Engineer, and former lead modeler for both the LA DOTD CTP Program and the Louisiana Watershed Initiative. He has over 13 years of experience modeling flood risk in Louisiana and communicating with community stakeholders. He also leads flood modeling for projects like the Amite River Basin Commission Masterplan and the St. John the Baptist Parish Stormwater Masterplan. His expertise has been sought after by FEMA to perform quality reviews for FEMA for several CTP programs ensuring all quality standards are met prior to submission to the Mapping Information Platform (MIP). **In short, your PM, Seth, understands both Louisiana flood dynamics and the FEMA Risk MAP & NFIP requirements better than anyone.** Complimenting Seth as the day-to-day, local PM, we have renowned CTP Program expert **Jerri Daniels** serving as a Program Advisor. **Jerri brings unparalleled knowledge of Risk MAP & NFIP programs**, with keen insight into FEMA Region 6's priorities, along with an understanding of best practices most suitable for local communities in Louisiana.

Our leadership is rounded out with **Sam Crampton, one of the most trusted experts in Louisiana floodplain analyses**, serving as our SME on H&H modeling. Our leadership triumvirate is supported by a Baton Rouge-based team, which includes H&H engineers, GIS professionals, LiDAR experts, floodplain management, and outreach professionals. Dewberry is supported by team members **Freese and Nichols (FNI), H2O Partners, Inc. (H2O), Forte and Tablada, Inc. (F&T), and La Terre Engineering, LLC (LTE)**. We have a proven history of working with each of these firms, including on projects such as LA DOTD's Transportation Resilience Plan, the Amite River Basin Commission Master Plan (leveraging LWI models for flood mitigation), Texas General Land Office's post-Harvey H&H modeling, mitigation, and outreach, Louisiana post-Katrina Insurance training sessions and open houses, and the St. John the Baptist Parish Storm Water Masterplan. The Dewberry team's depth of trusted leadership, **proven track record of performance on Louisiana floodplain management projects such as LWI, and national CTP leadership make us the perfect partner to best support your program into the future**. Our proposal demonstrates how our team far exceeds all expectations regarding required personnel, experience, expertise, and capabilities.

Sincerely,



Duncan Hastie, PE  
Senior Vice President, Business Unit Manager  
dhastie@dewberry.com  
678.537.8633



Jerri Daniels, CFM  
Associate Vice President, Department Manager  
jdaniels@dewberry.com  
225.333.3002

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# 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 National Flood Insurance Program (NFIP) and the Cooperating Technical Partnership (CTP) Program
2. Contract Number(s) as shown in the advertisement	4400032201
3. State Project Number(s), if shown in the advertisement	N/A
4. Prime consultant name (name must match exactly as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; include screenshot from SOS at the end of Section 20)	Dewberry Engineers Inc.
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	EF.0005045
6. Prime consultant mailing address	9026 Jefferson Highway, Suite 302. Baton Rouge, LA 70809
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	9026 Jefferson Highway, Suite 302. Baton Rouge, LA 70809
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Jerri Daniels, CFM; Associate Vice President, Department Manager 225.333.3002, jdaniels@dewberry.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Duncan Hastie, PE; Senior Vice President, Business Unit Manager 678.537.8633, dhastie@dewberry.com



**10.** This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.

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.

**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.

*Dumun Harte*

Signature above shall be the same person listed in Section 9:

May 15, 2025

Date:

Firm(s):

La Terre Engineering, LLC

Firm(s)' %:

7.08%

**12: Discipline Table:** 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	DEWBERRY	FREESE AND NICHOLS	FORTE AND TABLADA	H2O PARTNERS	LA TERRE	EACH DISCIPLINE MUST TOTAL TO 100%
Other (H&H, Risk MAP, NFIP, Outreach, CAP-SSSE)	97.00%	84.70%	3.00%		5.00%	7.30%	100%
Survey	3.00%			%100			100%
Identify the percentage of work for the <b>overall contract</b> to be performed by the prime consultant and each sub-consultant.							
Percent of Contract	100%	82.16%	2.91%	3.00%	4.85%	7.08%	

**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.

FIRM NAME	DOTD JOB CLASSIFICATION	NUMBER OF PERSONNEL COMMITTED TO THIS CONTRACT	TOTAL NUMBER OF PERSONNEL AVAILABLE IN THIS DOTD JOB CLASSIFICATION (IF NEEDED)
Dewberry Engineers Inc.	Clerical	1	10
Dewberry Engineers Inc.	Graphics	1	4
Dewberry Engineers Inc.	Engineer Intern	2	5
Dewberry Engineers Inc.	Engineer	6	16
Dewberry Engineers Inc.	Engineer - Other	3	135
Dewberry Engineers Inc.	Supervisor - Eng	2	5
Dewberry Engineers Inc.	GIS Analyst	8	125
Dewberry Engineers Inc.	Planner	3	23
Dewberry Engineers Inc.	Technician	1	5
Dewberry Engineers Inc.	Senior Technician	5	20
Dewberry Engineers Inc.	Supervisor - Other	3	25
Dewberry Engineers Inc.	Principal	1	5
Forte and Tablada, Inc.	Principal	2	2
Forte and Tablada, Inc.	Surveyor	1	5
Forte and Tablada, Inc.	Senior Technician	1	8
Forte and Tablada, Inc.	Party Chief	1	6
Forte and Tablada, Inc.	Engineer	1	6
Freese and Nichols, Inc.	Clerical	1	44
Freese and Nichols, Inc.	Engineer	1	29
Freese and Nichols, Inc.	Engineer - Other	3	192
Freese and Nichols, Inc.	Engineering - Aide	1	131
Freese and Nichols, Inc.	GIS Analyst	2	23

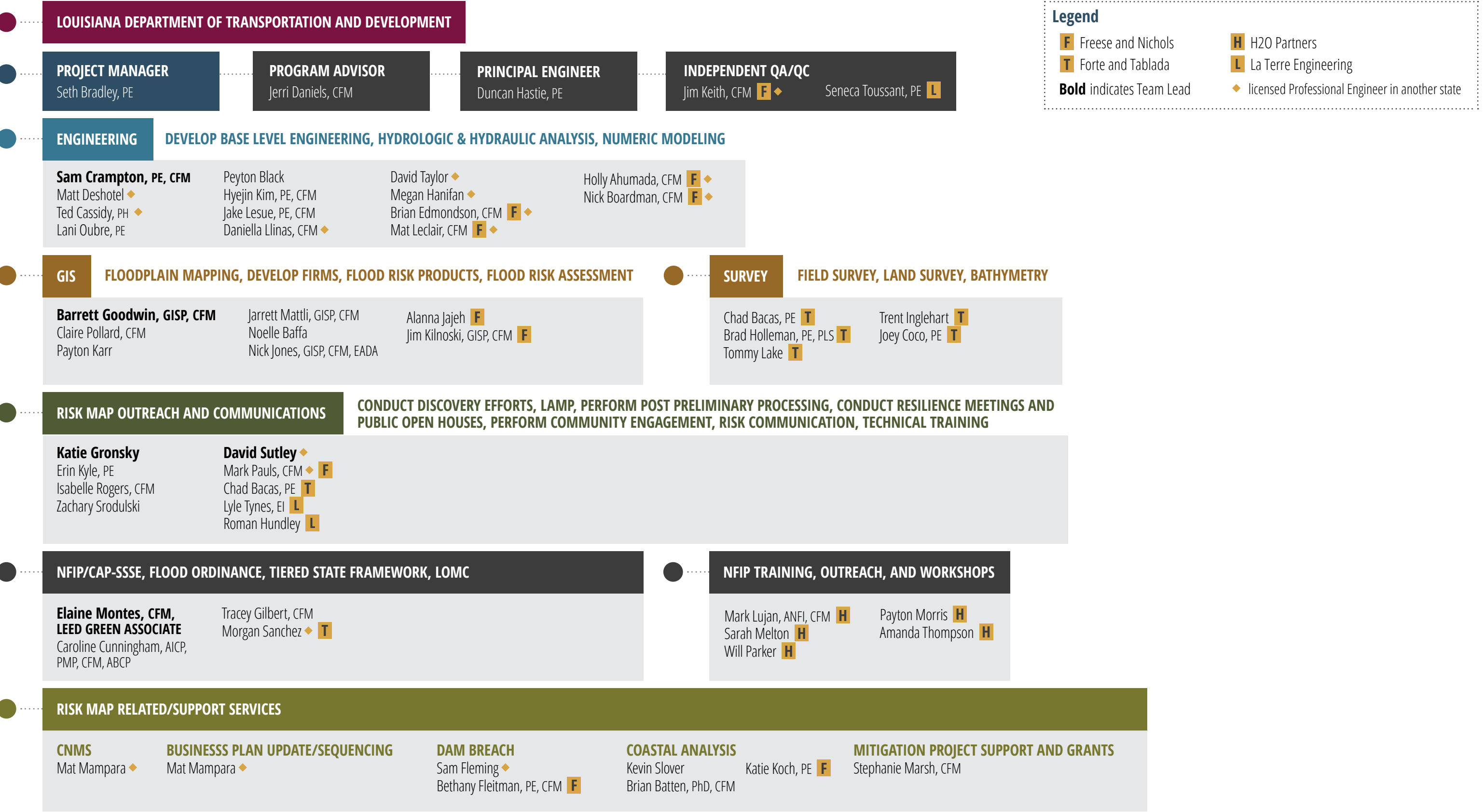
\*Continued on next page



**13. Firm Size:**

FIRM NAME	DOTD JOB CLASSIFICATION	NUMBER OF PERSONNEL COMMITTED TO THIS CONTRACT	TOTAL NUMBER OF PERSONNEL AVAILABLE IN THIS DOTD JOB CLASSIFICATION (IF NEEDED)
Freese and Nichols, Inc.	Planner	1	1
Freese and Nichols, Inc.	Principal	1	83
Freese and Nichols, Inc.	Professional	2	36
Freese and Nichols, Inc.	Senior Technician	1	5
Freese and Nichols, Inc.	Supervisor - Eng	2	29
Freese and Nichols, Inc.	Supervisor - Other	1	7
Freese and Nichols, Inc.	Technician	1	3
H2O Partners, Inc.	Other (NFIP SME)	2	4
H2O Partners, Inc.	Other (Outreach Specialist)	4	6
H2O Partners, Inc.	Other (Trainer)	2	3
La Terre Engineering, LLC	Engineer	1	1
La Terre Engineering, LLC	Engineer Intern	1	1
La Terre Engineering, LLC	Technician	1	1
La Terre Engineering, LLC	Accountant	1	1

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

<b>MPR NO.</b> Do not insert wording from ad	<b>PERSONNEL BEING USED TO MEET THE MPR</b> (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	<b>FIRM EMPLOYED BY</b>	<b>TYPE OF LICENSE AND DISCIPLINE MEETING MPR/ CERTIFICATION &amp; NUMBER</b> (EX: PE # - CIVIL)	<b>STATE OF LICENSE</b>	<b>LICENSE / CERTIFICATION EXPIRATION DATE</b>
1.	Duncan Hastie	Dewberry Engineers Inc.	PE No. 0045186 - Civil	LA	03-31-2027
2.	Sam Crampton	Dewberry Engineers Inc.	PE No. 0037866 - Civil	LA	09-30-2025
3.	Sam Crampton	Dewberry Engineers Inc.	PE No. 0037866 - Civil	LA	09-30-2025
4a.	Jerri Daniels	Dewberry Engineers Inc.	CFM No. 02666	US	07-31-2025
4b.	Seth Bradley	Dewberry Engineers Inc.	PE No. 0042121 - Civil	LA	03-31-2026
4c.	David Sutley	Dewberry Engineers Inc.	PE No. 0043373 - Civil PE No. 28564 - Civil	CO ND	10-31-2025 12-31-2024
4d.	Jerri Daniels	Dewberry Engineers Inc.	CFM No. 02666	US	07-31-2025
4e.	Barrett Goodwin	Dewberry Engineers Inc.	CFM No. 1141-07N	TX	21-31-2025
4f.	Jerri Daniels	Dewberry Engineers Inc.	CFM No. 02666	US	07-31-2025
4g.	Mat Mampara	Dewberry Engineers Inc.	PE No. 39245 - Civil PE No. 106092 - Civil	MD NY	06-20-2026 06-30-2025
4h.	Katie Gronsby	Dewberry Engineers Inc.	N/A	N/A	N/A
4i.	Elaine Montes	Dewberry Engineers Inc.	CFM No. US-22-12483	US	01-31-2027
4j.	Mat Mampara	Dewberry Engineers Inc.	PE No. 39245 - Civil PE No. 106092 - Civil	MD NY	06-20-2026 06-30-2025
4k.	Elaine Montes	Dewberry Engineers Inc.	CFM No. US-22-12483	US	01-31-2027

**16. Staff Experience:** Resumes shall be provided for all prime and sub-consultant personnel listed in Sections 14 and/or 15 of the proposal. Resumes of personnel not identified in Section 14 or Section 15 of the proposal should not be included and will not be evaluated. Resumes are **limited to 2 pages per person**. Any certificates required by the advertisement are to be placed in Section 20.

<b>FIRM EMPLOYED BY:</b>		Dewberry Engineers Inc.	
<b>Name</b>	<b>Seth Bradley, PE</b>		<b>Year of Relevant Experience with this employer</b>
<b>Title</b>	Project Manager		<b>Years of relevant experience with other employer(s)</b>
<b>Degree(s) / Years / Specialization</b>		MS / 2012 / Civil Engineering; BS / 2009 / Civil Engineering	
<b>Active registration number / state / expiration date</b>		PE No. 0042121 / LA / 03-31-2026	
<b>Year registered</b>	2017	<b>Discipline</b>	Supervisor–Engineer
<b>Contract role(s) / brief description of responsibilities</b>			Project Manager
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
06/16 - 05/21	<b>LA DOTD Cooperating Technical Partners Program:</b> Lead Engineer, Project Manager. Served as lead engineer for all engineering deliverables on the CTP contract for LA DOTD CTP Program for 23 task orders totaling \$6.5M. Coordinated with all subconsultants for scoping and deliverables. Assisted Program Manager for business plan updates and prioritization. Ensured MIP deliverables were submitted and provided monthly updates for EV tracking. Coordination with community officials on mapping and engineering deliverables to ensure they understood them and could use them.		
07/17 - 05/21	<b>LA DOTD Cooperating Technical Partners Program–Amite River Basin Numerical Model:</b> Project Engineer for development of watershed modeling tools to assess hydrology, hydraulics, and consequences using HEC-HMS, HEC-RAS (1D/2D) and HEC-FIA. Data collection included review of effective FEMA FIS models and BLE data to gather best available data. Extensive model calibration and validation was performed. At the time, the project was the largest implementation of a detailed 2D HEC-RAS model in Louisiana and guided many of the technical approaches and software used for the Louisiana Watershed Initiative.		
10/13 - Ongoing	<b>State of Georgia Cooperating Technical Partners Program:</b> Seth has served as a project engineer supporting the production of Risk MAP services including the advanced implementation of 2D rain on grid HEC-RAS hydraulic analysis in support of both detailed and BLE studies in support of the GA DNR CTP program. This included the Upper Oconee, Withlacoochee, and Middle Chattahoochee HUC8 watersheds.		
07/20 - Ongoing	<b>Northwest Florida Water Management District Cooperating Technical Partners Program:</b> Leveraging his low-relief hydrology and hydraulics experience gained from working in Louisiana, Seth has served as a senior engineering providing technical support to several teams performing complex hydrologic and hydraulic modeling in low-relief areas of Northwest Florida for CTP Risk MAP services. This has included implementing advanced 1D and 2D coupled models for low relief unconfined flow areas using 2D rain on grid HEC-RAS hydraulic analysis as well as more detailed 1D/2D PC-SWMM and ICPR based approaches in areas with significant subsurface drainage infrastructure.		
09/22 - Ongoing	<b>FEMA Region 8 Risk MAP Production and Technical Services Contract, STARR II Joint Venture:</b> Senior H&H Engineer. Performed Enhanced Validation Reviews for FEMA Region 8. This includes reviewing all engineering submittals by all CTPs in the region before they can be submitted to the Mapping Information Platform (MIP). It also requires coordination with their consultants, schedule tracking, and in-depth knowledge of FEMA delivery requirements. These reviews are required for all CTPs (four are state-wide) on all Risk MAP deliverables.		

<b>FIRM EMPLOYED BY:</b> Dewberry Engineers Inc.	
<b>Name</b>	<b>Seth Bradley, PE (Continued)</b>
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>
05/24 - 04/25	<b>Amite River Basin Commission Master Plan:</b> Project Engineer for watershed scale modeling leveraging and updating LWI HEC-HMS, HEC-RAS and HEC-FIA models. Additionally, Seth performed a detailed review of effective FEMA FIS's and determine that models within the Amite basin averaged over 30-years old and were largely based off outdated, low-resolution topography resulting in low accuracy floodplain delineations. A comparison of LWI and FEMA models was performed and determined that over 30,000 structures within the Amite and New River basin could be removed from the FEMA SFHA if LWI models were adopted. A comprehensive review of existing floodplain and stormwater ordinances was performed, and recommendations were made for model ordinances using local and national best practices including higher levels of freeboard. Assessment of infrastructure projects was also performed including major reservoirs, levees, dredging and new pump stations.
06/23 - 04/25	<b>St. John the Baptist Parish Comprehensive Floodplain and Stormwater Master Plan:</b> Project Manager and H&H Lead for development of a comprehensive floodplain and stormwater master plan. Services included detailed hydrologic and hydraulic HEC-HMS, HEC-RAS and PC-SWMM to assess flood risk and develop flood risk reduction projects. The performance of the West Shore Lake Pontchartrain Project which includes major pump stations, gates, levees, and drainage channels, and is currently under construction was assessed to validate adequate interior drainage infrastructure. Recommendations were made for updating FEMA flood maps to reflect flood protection provided by the WSLP. Additionally, a comprehensive review of the Parish Stormwater and Floodplain management ordinance was performed and recommendations were made to improve resiliency.
07/12 - 12/16	<b>FEMA Region 6 Risk MAP Program:</b> Seth was project engineer in the creation of advanced HEC-HMS and HEC-RAS models and development of new FIS's and FIRM's in support of Risk MAP studies throughout LA including Bossier, West Carrol and Franklin Parishes. He was also a project engineer for the updating of FEMA FIS's and FIRM's for the greater New Orleans area following the completion of the Hurricane Storm Damage Risk Reduction System (HSDRRS). This included HEC-HMS and HEC-RAS models for numerous polders to ensure compliance with FEMA Guidelines and Standards while giving recognition for new flood risk reduction measures including levees and pump stations. All studies were successfully incorporated into revised FIS's and FIRM's recognizing the benefits of HSDRSS.
06/20 - Ongoing	<b>Louisiana Watershed Initiative Region 7/9 Modeling:</b> Project Engineer. This included development of advanced calibrated 1D and 2D hydrologic and hydraulic watershed scale modeling for eight HUC8's using HEC-DSS, HEC-DSSVUE, HEC-SSP, HEC-MetVUE, HEC- HMS, HEC-RAS (1D/2D) and HEC-FIA. The Amite River Basin Numerical Model previously developed by Dewberry for DOTD through the CTP program was maintained and updated to a newer version of HEC-RAS and included the full incorporation of bridges and culverts for roadway projects into the 2D mesh to ensure models are up to date. Additional tasks included stakeholder engagement and development of flood mapping products consistent with FEMA Risk MAP products. Led outreach meetings with each parish in the regions to fully explain the model so they understood the deliverables from the survey and the HEC software.

<b>FIRM EMPLOYED BY:</b>		Dewberry Engineers Inc.	
<b>Name</b>	Jerri Daniels, CFM	<b>Year of Relevant Experience with this employer</b>	15
<b>Title</b>	Associate Vice President, Department Manager	<b>Years of relevant experience with other employer(s)</b>	9
<b>Degree(s) / Years / Specialization</b>		MS / 2000 / Geography; BS / 1998 / Biology-Environmental Science	
<b>Active registration number / state / expiration date</b>		CFM No. 02666 / US / 07-31-2025	
<b>Year registered</b>	2007	<b>Discipline</b>	Supervisor-Other
<b>Contract role(s) / brief description of responsibilities</b>		Program Advisor	
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
6/16 - 05/21	<b>LA DOTD Cooperating Technical Partners Program:</b> Contract Manager. Benefiting from her long, established relationship with FEMA Region 6, Jerri successfully managed this five year, \$7M CTP contract with the Louisiana DOTD with positive evaluations on all task orders. She developed an online project sequencing and planning tool used by both CTPs (TWIG and DOTD) in the state during working sessions to collaboratively plan work throughout the state whether it was a COMs MAS or FRP MAS. This led to streamlining the five-year business planning process. Under her leadership, the state was able to maximize Federal dollars for the program and complete digital mapping statewide. Custom outreach funded by CAP-SSSE was also conducted to educate the parish and community officials on how to use the new BLE products rolling out at the time. The pilot for the statewide LWI program, Amite River Basin, was also conducted under this contract.		
08/24 - Ongoing	<b>State of Colorado Water Conservation Board Statewide Cooperating Technical Partners Program:</b> Contract Manager. Jerri manages the Dewberry contract for the CWCB CTP program. She assists with responding to MAS requests, providing project updates and ensuring her team is staying on task. Projects include BLE creation in Routt County, CO (Steamboat Springs) and BLE Data Refinement to Preliminary FIRM in Custer County, CO.		
11/24 - Ongoing	<b>State of Montana Cooperating Technical Partners Program:</b> Contract Manager. Dewberry was selected by Montana Department of Natural Resources and Conservation to assist in the implementation of their statewide CTP Program. Current projects include a pilot GIS database schema for statewide risk assessment and training on How to use BLE for Floodplain Management.		
09/22 - Ongoing	<b>FEMA Region 8 Risk MAP Production and Technical Services Contract, STARR II Joint Venture:</b> Deputy Task Order Manager. Currently, Jerri helps to lead production and program services for FEMA's Risk MAP Program of the National Flood Insurance Program (NFIP) as a partner in the STARR II Joint Venture (JV). She oversees over \$20M of Region 8 RPS and RTO projects in ND, WY, CO, SD and MT including Discovery, BLE, Data Development, Preliminary Issuance, Post-Preliminary Processing, Due Process, Appeals, and Final Issuance. Jerri was also the PM for the highly visible and controversial FMI support project in North Dakota to determine if the townships met the definition of a community according to FEMA and the implications of that for the NFIP and the FIRMs. She also assist the Risk MAP contract leads at the region in project planning and prioritization, including FMI support tasks like ordinance reviews.		
06/20 - Ongoing	<b>Louisiana Watershed Initiative Region 7/9 Modeling:</b> Outreach Lead. Assisted Seth Bradley, H&H Lead on the outreach planning in the regions for the parishes. This included workshops and individual meetings to discuss deliverables. Tutorials were given on how they could use the LWI data as Best Available Data for FEMA NFIP Floodplain Management and possibly adopt it with an updated ordinance.		
05/24 - 04/25	<b>Amite River Basin Commission Master Plan:</b> Outreach lead. Led communications planning for political leaders to advise the communities how the master plan could benefit them and how they could contribute to the process. Assisted the PM in leading the subconsulting team and advising the ordinance teams for FEMA reviews and NFIP comparison of the SFHA and LWI data to inform communities on the use of the data.		



<b>FIRM EMPLOYED BY:</b>		Dewberry Engineers Inc.	
<b>Name</b>	Duncan Hastie, PE	<b>Year of Relevant Experience with this employer</b>	27
<b>Title</b>	Senior Vice President, Business Unit Manager	<b>Years of relevant experience with other employer(s)</b>	4
<b>Degree(s) / Years / Specialization</b>		BS / 1995 / Civil Engineering	
<b>Active registration number / state / expiration date</b>		PE No. 0045186 / LA / 03-31-2027; PE No. 028410 / GA / 12-31-2025; PE No. 23352 / SC / 06-30-2026	
<b>Year registered</b>	2003	<b>Discipline</b>	Principal
<b>Contract role(s) / brief description of responsibilities</b>		Principal Engineer	
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
6/16 - 05/21	<b>LA DOTD Cooperating Technical Partners Program:</b> Principal-in-Charge. Dewberry determined statewide flood risks under the CTP agreement between LA DOTD and FEMA Region VI. As part of the three-year \$7 million contract, Dewberry determined flood risk using hydrologic and hydraulic (H&H) modeling, field surveys, and remote sensing data. Dewberry has performed significant 2D modeling, as well as enhancing BLE models to conduct Risk MAP projects. Duncan advised the team on customizing Risk MAP processes to meet LA DOTD's needs, including Discovery, how to consider and use BLE data, and leveraging advances in numerical modeling technology.		
03/09 - Ongoing	<b>State of Georgia Cooperating Technical Partners Program:</b> Principal-in-Charge responsible for multiyear project of detailed flood studies which fully implemented watershed approach (procedure memo 59) and development of non-regulatory Risk MAP products. H&H studies included study of over 300 square miles of flat coastal plain flooding. Oversaw pilot projects leading to innovative individual property owner notification tool for map changes, dam breach analyses, and associated non-regulatory products. Guided implementation of 2D BLE modeling approach for coastal plains region of the State. From FY2008 to FY2023, the program totaled \$65.9M.		
12/06 - Ongoing	<b>Northwest Florida Water Management District Cooperating Technical Partners Program:</b> Principal-in-Charge. Dewberry has been a major partner on a team since 2004 providing Map Modernization and Risk MAP services to the District. This has included scoping, riverine modeling, coastal analyses, DFIRM/FIS production, Risk MAP product development, post-preliminary processing, FIRM database development, MIP reporting, and website development to the District's 16-county area.		
06/16 - Ongoing	<b>State of North Carolina Cooperating Technical Partners Program:</b> Principal-in-Charge. Duncan partners with the contract manager to meet capacity needs in providing responsive service under our contract with NCFMP. He is working closely with the nation's leading CTP to develop and implement the state's statewide mapping effort for 100 counties.		
09/22 - Ongoing	<b>FEMA Region 8 Risk MAP Production and Technical Services Contract, STARR II Joint Venture:</b> Principal-in-Charge. As part of the STARR II PTS JV, Dewberry supports FEMA's Risk MAP Program by delivering production and program support services for FEMA Zone 3, which includes FEMA Regions 8, 9, and 10. Dewberry is the JV's lead partner in Region 8. The Risk MAP program focuses on identifying flood hazards and using this information to assess risks in order to support state and local mitigation planning, risk awareness, and drive risk reduction actions. Dewberry's support under PTS efforts includes a wide range of engineering analyses (riverine and coastal); flood hazard map production and distribution; community Due Process facilitation; coordination of outreach and communication measures; multi-hazard identification and vulnerability assessments; FEMA HQ programmatic support; and more.		
06/20 - Ongoing	<b>Louisiana Watershed Initiative Region 7/9 Modeling:</b> Principal-in-Charge. Dewberry, in partnership with Forte & Tablada, is collecting extensive field data and developing watershed-wide hydrologic and hydraulic modeling for the east bank of St. John the Baptist Parish within the Lake Maurepas watershed as part of the Louisiana Watershed Initiative (LWI) Region 7 modeling contract. A scalable 2D modeling approach is being used and is over 90% complete to date. Modeling was conducted using HEC- HMS for hydrologic modeling and HEC-RAS for unsteady coupled 1D/2D hydraulic modeling. While the models are required to reflect existing conditions, the model was carefully designed to incorporate the West Shore Lake Pontchartrain project upon construction completion by including the levee alignment and placeholder model segments for key features of the WSLP project, including drainage structures and pump stations.		

<b>FIRM EMPLOYED BY:</b>		Freese and Nichols	
<b>Name</b>	<b>Jim Keith, PE, CFM</b>		<b>Year of Relevant Experience with this employer</b>
<b>Title</b>	Principal/Vice President, Coastal Resilience Leader		<b>Years of relevant experience with other employer(s)</b>
<b>Degree(s) / Years / Specialization</b>		BS / 2000 / Hydrology and Water Resources	
<b>Active registration number / state / expiration date</b>		PE No. 105043 / TX / 09-30-2025; CFM No. 608-04N / US / 12-31-2025	
<b>Year registered</b>	2009	<b>Discipline</b>	Engineer–Other
<b>Contract role(s) / brief description of responsibilities</b>			QA/QC
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
07/20 – 07/21	<b>Louisiana Watershed Initiative Region 2 Modeling, LA DOTD:</b> Project Manager: FNI worked with Region 2 and developed large-scale H&H models to create a statewide watershed-based floodplain management program. The five-year, \$18 million contract involved the development of calibrated 1D/2D HEC-RAS models for use in consequence and risk assessment, ultimately informing the implementation of flood risk reduction projects via watershed coalitions in coordination with parish, state and federal entities. Jim oversaw a robust team, including five watershed team leads and seven subconsultants to deliver the modeling under an aggressive schedule.		
11/24 – 03/25	<b>Statewide Transportation Resilience Improvement Plan, LA DOTD:</b> Senior Advisor: FNI is developing a Statewide Transportation Resilience Improvement Plan (STRIP) in accordance with the Promoting Resilient Operations for Transformative, Efficient, and Cost-Saving Transportation (PROTECT) Formula Program Implementation Guidance.		
08/20 – 03/25	<b>Central Region Flood Studies, Texas GLO:</b> QA/QC: FNI is assisting 20 Hurricane Harvey impacted counties and municipalities in identifying and funding flood risk reduction strategies and mitigation projects that reduce disaster suffering and increase community resiliency. This project involves a data management solution to support the Texas Disaster Information System, customized stakeholder outreach, large-scale H&H 1D and 2D modeling, alternatives analysis, identifying eligible projects for state and federal grant and loan programs, and community technical assistance. Jim provided independent technical reviews of project guidance and standard operating procedures.		
09/22 – 05/25	<b>FEMA PTS Risk MAP Regional Production Task Orders, FEMA:</b> Senior Advisor: As a joint venture partner, FNI is providing architectural and engineering services under FEMA's Production and Technical Services contract. This includes efforts involving 2D modeling and engineering, flood risk product development, preliminary and post-preliminary production activities, and levee support. Jim served as the Levee Subject Matter Expert supporting Levee Analysis and Mapping Procedure (LAMP) projects.		
08/24 – 05/25	<b>Louisiana Watershed Initiative Region 2 Modeling Task Order 4, LA DOTD:</b> Senior Advisor: FNI is performing a Design Storm Simulation and Consequence Analysis, along with development of Proof of Concept mitigation projects.		
02/20 – 04/21	<b>Environmental Services, Coastal Protection and Restoration Authority, LA:</b> Senior Advisor: FNI performed H&H modeling to improve emergency response and post-disaster recovery through Dynamic Flood Inundation Mapping of compound flooding for the Coastal Protection and Restoration Authority of Louisiana. The updated model provided information on timing, duration and extent of flooding and included provisions to address the uncertainties in flood inundation forecasting throughout the Lake Pontchartrain/Lake Maurepas watershed. Jim supported both the project team and the client, providing overall quality assurance.		

<b>FIRM EMPLOYED BY:</b>		La Terre	
<b>Name</b>	Seneca Toussant, PE		<b>Year of Relevant Experience with this employer</b>
<b>Title</b>	Principal/Civil Engineer		<b>Years of relevant experience with other employer(s)</b>
<b>Degree(s) / Years / Specialization</b>		BS / 1999 / Biological Engineering	
<b>Active registration number / state / expiration date</b>		PE No. 36080 / LA / 09-30-2025	
<b>Year registered</b>	2011	<b>Discipline</b>	Engineer
<b>Contract role(s) / brief description of responsibilities</b>			Independent QA/QC
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
05/24 - 05/25	<b>Amite River Basin Commission Master Plan:</b> Senior Engineer. Working as a sub to Dewberry, Seneca was the stakeholder engagement lead for two ARBC parishes responsible for communicating flood risk and mitigation projects to local stakeholders including local officials, elected officials, and the public. This also included communicating recommendations of the plan. Additionally he provided concept design services and construction cost estimates for flood risk reduction projects.		
3/24 – Ongoing	<b>Baton Rouge Metropolitan Airport Taxiway F Reconstruction, NO. 22-ES-BTR-012: Baton Rouge, LA:</b> Project Engineer–Seneca is lead civil engineer responsible for the drainage improvements required for the Baton Rouge Metropolitan Airport Taxiway F Reconstruction project. The project will widen and reconstruct the existing segment of Taxiway F and includes subsurface drainage improvements. The drainage design will be analyzed as per FAA AC 150/5320-5D Airport Drainage Design.		
10/21 - 08/23	<b>Steep Bayou Watershed Flood Prevention Plan: Rayville, LA:</b> Project Manager–Seneca was the project manager responsible for preparing a hydrologic and hydraulic analysis for alternatives as part of the Watershed Plan and EA for the Steep Bayou Watershed Flood Prevention Plan for storm water runoff calculations and HEC RAS for required channel improvements.		
02/22 - 02/24	<b>Louisiana Watershed Initiative White Castle Canal Drainage Improvements: White Castle, LA:</b> Project Manager–Seneca is the lead engineer and project manager for the H&H study and determining required improvements to the White Castle Canal in Iberville Parish. He is responsible for preparation of preliminary and final construction documents for channel improvements.		
4/20 - 6/20	<b>Upper Delta Soil Conservation District Watershed Plan: Pointe Coupee Parish, LA:</b> Project Manager– Seneca was the project manager responsible for preparing the hydrologic and hydraulic analysis as part of the Watershed Plan and EA for the Upper Terrebonne Basin Watershed using HEC HMS for storm water runoff calculations and HEC RAS for required channel improvements. The total flood protection project area encompasses seven HUC 12 watersheds totaling approximately 225,072 acres.		
2/20 – 6/20	<b>Bayou Stump Watershed Phase 1: West Baton Rouge Parish, LA:</b> Project Manager–Seneca was the project manager preparing a hydrologic and hydraulic analysis for the Bayou Stumpy Watershed using HEC HMS for storm water runoff calculations and HEC RAS for required channel improvements for the approximately 13 mile long channel that drains a significant portion of northwestern West Baton Rouge Parish.		
6/20 - 12/22	<b>Movebr Capacity Program Management: Baton Rouge, LA:</b> Project Manager–Seneca served as project manager for specialty contracts for the MoveBR Capacity program management team. He was responsible for the specialty contracts program which include environmental services, geotechnical services, surveying, lighting design and landscaping services. His responsibilities included coordination meetings, project reporting, stakeholder engagement and outreach, preparing project scopes, soliciting proposals, contract negotiations, submittal coordination and submittal reviews.		

<b>FIRM EMPLOYED BY:</b>		Dewberry Engineers Inc.	
<b>Name</b>	Sam Crampton, PE, CFM		<b>Year of Relevant Experience with this employer</b>
<b>Title</b>	Vice President, Department Manager		<b>Years of relevant experience with other employer(s)</b>
<b>Degree(s) / Years / Specialization</b>		MEng / 2001 / Civil Engineering	
<b>Active registration number / state / expiration date</b>		PE No. 0037866 / LA / 09-30-2025 ; CFM No. US-08-03250 / US / 07-31-2026; PE No. 33501 / AL / 13-31-2025; PE No. 0048001 / CO / 10-31-2025; PE No. 79691 / FL / 02-28-2027; PE No. 034134 / GA / 12-31-2025; PE No. 0037866 / LA / 09-30-2025; PE No. 28697 / MS / 12-31-2025; PE No. 041287 / NC / 12-31-2025; PE No. 77564 / OH / 12-31-2025	
<b>Year registered</b>	PE: 2013; CFM: 2008	<b>Discipline</b>	Supervisor–Engineer
<b>Contract role(s) / brief description of responsibilities</b>		Develop Base Level Engineering, Hydrologic & Hydraulic Analysis, Numeric Modeling	
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
07/17 - 05/21	<b>LA DOTD Cooperating Technical Partners Program–Amite River Basin Numerical Model:</b> Project Manager and Technical Lead for development of watershed modeling tools to assess hydrology, hydraulics, and consequences using HEC-HMS, HEC-RAS (1D/2D) and HEC-FIA. DOTD bridge plans supplemented with new laser scans were used for coding bridges and culverts. Extensive model calibration and validation was performed. Numerous infrastructure projects were assessed including concept projects for the modification of roadway embankments and bridges. At the time, the project was the largest implementation of a detailed 2D HEC-RAS model in Louisiana and guided many of the technical approaches and software used for the Louisiana Watershed Initiative. Stormwater Ordinance review and development of recommendations. Participated in community stakeholder engagement meetings and public open houses. Supported the comparison of LWI and effective FEMA Models and Flood Insurance Rate Maps and associated analytics using HEC-RAS and HEC-FIA results. Analysis of district wide FEMA CRS participation and alignment of Master Plan deliverables to support CRS activities.		
01/09 - 12/16	<b>FEMA Region 6 Risk MAP Program:</b> Sam provided senior leadership in the development of advanced HEC-HMS and HEC-RAS models and development of new FIS's and FIRM's in support of Risk MAP studies throughout LA including Bossier, West Carroll and Franklin Parishes. He was also the QC lead for the updating of FEMA FIS's and FIRM's for the greater New Orleans area following the completion of the Hurricane Storm Damage Risk Reduction System (HSDRRS). This included HEC-HMS and HEC-RAS models for numerous polders to ensure compliance with FEMA Guidelines and Standards while giving recognition for new flood risk reduction measures including levees and pump stations. All studies were successfully incorporated into revised FIS's and FIRM's recognizing the benefits of HSDRRS.		
01/11 - Ongoing	<b>State of Georgia Department of Natural Resources Cooperating Technical Partners Program:</b> Sam has served as a senior FEMA NFIP programmatic and technical subject matter expert supporting the production of Map Modernization and Risk MAP services including the advanced implementation of 2D rain on grid HEC-RAS hydraulic analysis in support of both detailed and BLE studies in support of the GA DNR CTP program. and flood risk products issued for over 150 communities.		
12/06 - Ongoing	<b>Northwest Florida Water Management District Cooperating Technical Partners Program:</b> Sam has served as a senior FEMA NFIP programmatic and technical subject matter expert supporting the production of Map Modernization and Risk MAP services. This has included implementing advanced 1D and 2D coupled models for low relief areas exhibiting unconfined flow. This included the implementation of 2D rain on grid HEC-RAS hydraulic analysis as well as more detailed 1D/2D PC-SWMM and ICPR based approaches in areas with significant subsurface drainage infrastructure.		

<b>FIRM EMPLOYED BY:</b>		Dewberry Engineers Inc.
<b>Name</b>	<b>Sam Crampton, PE, CFM</b>	
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>	
02/17 - 03/20	<b>State of Alabama Cooperating Technical Partners Program:</b> Dewberry performed Discovery, developed hydrologic and hydraulic analysis for more than 1,000 miles of streams, developed new floodplain mapping, preliminary map products and led the Post Preliminary Processing for three counties in the Upper Choctawhatchee watershed. Dewberry also performed independent quality control of preliminary map products for more than 1,700 miles of streams in Wheeler Lake and Locust Fork watersheds, in addition to hydrologic modeling for more than 470 miles of streams in the Cahaba watershed.	
06/16 - Ongoing	<b>State of North Carolina Cooperating Technical Partners Program:</b> Sam has served as a senior subject matter expert for the NC floodplain mapping program. This has included the review of large-scale FEMA Letters of Map Change, review of LOMRs and CLOMRs through the NC LOMC delegation program. Additionally, he has provided senior quality review of hydrologic and hydraulic modeling and review of new Risk MAP technical guidance..	
09/22 - Ongoing	<b>FEMA Region 8 Risk MAP Production and Technical Services Contract, STARR II Joint Venture:</b> Senior H&H Engineer. Performed Enhanced Validation Reviews for FEMA Region 8. This includes reviewing all engineering submittals by all CTPs in the region before they can be submitted to the Mapping Information Platform (MIP). It also requires coordination with their consultants, schedule tracking, and in-depth knowledge of FEMA delivery requirements. These reviews are required for all CTPs (four are state-wide) on all Risk MAP deliverables.	
6/20 - Ongoing	<b>Louisiana Watershed Initiative Region 7/9 Modeling:</b> Project Manager and Technical Lead. This included advanced calibrated 1D and 2D hydrologic and hydraulic watershed scale modeling of eight HUC8's using HEC-DSS, HEC-DSSVUE, HEC-SSP, HEC-MetVUE, HEC- HMS, HEC-RAS (1D/2D) and HEC-FIA. This included modeling of several hundred roadways and associated embankments, culverts, and bridges in both 1D and 2D. The Amite River Basin Numerical Model previously developed by Dewberry for DOTD was maintained and updated to a newer version of HEC-RAS and included the full incorporation of bridges and culverts for roadway projects into the 2D mesh to ensure models are up to date.	
05/24 - 04/25	<b>Amite River Basin Commission Master Plan:</b> Project Manager and Technical Lead. This included watershed scale modeling leveraging and updating LWI HEC-HMS and HEC-RAS models including break-out models. 2D scour assessment using SRH2D for bridges and gravel pit areas for portions of the basin. Assessment of perceived bank erosion impacts of the Comite River Diversion Canal for Port Hudson-Pride Road on the Comite River on a cut bank to mitigate concerns of residents. Development of a basin-wide HEC-RAS sediment transport model to simulate scour and deposition processes. Assessment of multiple infrastructure projects including major reservoirs, levees, and pump stations.	
06/23 - 04/25	<b>St. John the Baptist Parish Comprehensive Floodplain and Stormwater Master Plan:</b> Principal-in-Charge and Technical SME for a comprehensive floodplain and stormwater master plan. Detailed hydrologic and hydraulic modeling of roadway infrastructure and proposed alternatives. Comprehensive review of existing floodplain and stormwater ordinances and codes including compliance with FEMA regulations 44 CFR §60.3. Development of policies for best practices and updates to existing codes. Recommendations for alignment of Master Plan with FEMA CRS Activities. Participation in public engagement including the presentation of Master Plan projects at public open houses.	



<b>FIRM EMPLOYED BY:</b>		Dewberry Engineers Inc.	
<b>Name</b>	Matthew Deshotel, PE	<b>Year of Relevant Experience with this employer</b>	7
<b>Title</b>	Project Engineer	<b>Years of relevant experience with other employer(s)</b>	2
<b>Degree(s) / Years / Specialization</b>		MS / 2017 / Civil Engineering/Hydrology; BS / 2015 / Civil Engineering	
<b>Active registration number / state / expiration date</b>		PE No. 144458 / TX / 03-31-2026	
<b>Year registered</b>	2022	<b>Discipline</b>	Engineer-Other
<b>Contract role(s) / brief description of responsibilities</b>		Develop Base Level Engineering, Hydrologic & Hydraulic Analysis, Numeric Modeling	
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
11/18 - 05/21	<b>LA DOTD Cooperating Technical Partners Program:</b> Staff Engineer for the development of HEC-RAS models and FEMA NFIP programmatic support including discovery, scoping, modeling, and floodplain mapping to support FIRM production.		
05/20 - 05/21	<b>LA DOTD Cooperating Technical Partners Program: Allen Parish Physical Map Revision:</b> Engineer. Performed hydraulics analysis for Allen Parish, Louisiana, which consisted of determining water surface elevations for the 50%, 20%, 10%, 4%, 2%, 1%, "1% plus," and 0.2% annual chance flood events for a total of 232 miles of streams. Developed detailed hydraulic models using HEC-RAS with available topographic data, field surveyed cross-sections, and engineering structures in a riverine setting as appropriate for a detailed study.		
07/17 - 05/21	<b>LA DOTD Cooperating Technical Partners Program-Amite River Basin Numerical Model:</b> Project Engineer for development of watershed modeling tools to assess hydrology, hydraulics, and consequences using HEC-HMS, HEC-RAS (1D/2D) and HEC-FIA. DOTD bridge plans supplemented with new laser scans were used for coding bridges and culverts. Extensive model calibration and validation was performed. Numerous infrastructure projects were assessed including concept projects for the modification of roadway embankments and bridges. At the time, the project was the largest implementation of a detailed 2D HEC-RAS model in Louisiana and guided many of the technical approaches and software used for the Louisiana Watershed Initiative.		
12/19 - 05/21	<b>LA DOTD Cooperating Technical Partners Program: Study West Feliciana Parish Phase 2:</b> Selected as the CTP and performed a Phase 2 Study for West Feliciana Parish. Final project deliverables included terrain, survey, H&H modeling, floodplain mapping, and flood risk products. The completion of the project provided West Feliciana Parish, communities, and the state with a more complete picture of local flood risk and flood hazards within the Parish.		
04/20 - 11/20	<b>FEMA Fort Worth Texas Cooperating Technical Partners Program:</b> Development of peak discharges for recurrence intervals using rural regional regression equations for low detail Zone A study reaches and rainfall-runoff models in HEC-HMS for high detail Zone AE study reaches. The rainfall runoff modeling consisted of: extracting annual maximum series-based precipitation frequency estimates from NOAA Atlas 14 for developing hyetographs using the frequency storm (alternating block) method; computing rainfall losses using the SCS Curve Number methodology; unit hydrograph formulation using the SCS Unit Hydrograph method and TR-55 method for estimating time of concentration; and channel routing using Muskingum-Cunge 8 point section routing. Low detail HEC-RAS 1D steady state modeling was conducted for 225 miles of Zone A and 35 miles of high detail Zone AE streams.		
09/22 - Ongoing	<b>FEMA Region 8 Risk MAP Production and Technical Services Contract, STARR II Joint Venture:</b> Lead Statistical Modeler. Using his background in H&H modeling, created complex processes for hydrology data generation in areas where no precipitation data exist using Stochastic Storm Transposition (SST) at the HUC-4 watershed scale in Wyoming. This was critical for the production of BLE data in the area where many of the communities are still un-mapped or working with Flood Hazard Boundary Maps (FHBM) from the early days of the NFIP. Matt's technical contributions enabled FEMA to overcome a major obstacle to move forward with providing good risk data to communities in great need.		



<b>FIRM EMPLOYED BY:</b>		Dewberry Engineers Inc.	
<b>Name</b>	Ted Cassidy, PE, PH		<b>Year of Relevant Experience with this employer</b>
<b>Title</b>	Senior Engineer		<b>Years of relevant experience with other employer(s)</b>
<b>Degree(s) / Years / Specialization</b>		BS / 1984 / Civil Engineering	
<b>Active registration number / state / expiration date</b>		PE No. 78843 / CA / 09-30-2025; PH No. 98-H-1480 / US / 01-15-2022	
<b>Year registered</b>	2011	<b>Discipline</b>	Engineer–Other
<b>Contract role(s) / brief description of responsibilities</b>		Develop Base Level Engineering, Hydrologic & Hydraulic Analysis, Numeric Modeling	
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
07/17 - 05/21	<b>LA DOTD Cooperating Technical Partners Program–Amite River Basin Numerical Model:</b> Lead for the analysis of all regional stream gages using Bulletin 17B and the new Bulletin 17C methods within HEC-SPP. Technical leadership for analysis and validation of data including USGS streamflow data, rainfall data and high-water marks. Technical leadership for the development and calibration of HEC-HMS models. Using Ted’s knowledge of the area as a former resident of the City of Central, he performed internal reviews of the HEC-HMS and HEC-RAS 1-D/2-D models including calibration and verification of hydrologic routing to ensure reasonableness and accuracy of results. Internal review of the final Project Report to maintained accuracy and consistency. This project consists of the development of a hydrologic and hydraulic numerical model of the Amite River Basin. These models utilize the U.S. Army Corps of Engineers, Hydrologic Engineering Center (HEC) suite of software for hydrology, hydraulics, and consequence assessment. The project is designed to result in a living model to be used for flood mitigation, feasibility studies, no adverse impact assessments, consequence assessment, and risk assessment.		
12/19 - 05/21	<b>LA DOTD Cooperating Technical Partners Program: Study West Feliciana Parish Phase 2:</b> Selected as the CTP and performed a Phase 2 Study for West Feliciana Parish. Final project deliverables included terrain, survey, H&H modeling, floodplain mapping, and flood risk products. The completion of the project provided West Feliciana Parish, communities, and the state with a more complete picture of local flood risk and flood hazards within the Parish.		
02/17 - 03/20	<b>State of Alabama Cooperating Technical Partners Program:</b> Dewberry performed Discovery, developed hydrologic and hydraulic analysis for more than 1,000 miles of streams, developed new floodplain mapping, preliminary map products and led the Post Preliminary Processing for three counties in the Upper Choctawhatchee watershed. Dewberry also performed independent quality control of preliminary map products for more than 1,700 miles of streams in Wheeler Lake and Locust Fork watersheds, in addition to hydrologic modeling for more than 470 miles of streams in the Cahaba watershed.		
01/11 - Ongoing	<b>State of Georgia Department of Natural Resources Cooperating Technical Partners Program:</b> Ted provides technical and production support for H&H through the Georgia Department of Natural Resources’ (DNR) Map Modernization and Risk MAP programs continually since FY08. This has included deploying Risk MAP to a population of 2 million, a year before Risk MAP was fully implemented by FEMA.		
01/16 - Ongoing	<b>Northwest Florida Water Management District Cooperating Technical Partners Program:</b> Ted reviewed H&H analyses for streams in three counties. He made recommendations to resolve flow discrepancies for several rivers. Dewberry has been a major partner on a team since 2004 providing Map Modernization and Risk MAP services to the District. This has included scoping, riverine modeling, coastal analyses, DFIRM/FIS production, Risk MAP product development, post-preliminary processing, FIRM database development, MIP reporting, and website development to the District’s 16-county area.		
11/11 - Ongoing	<b>State of North Carolina Cooperating Technical Partners Program:</b> Ted reviewed H&H submittals and maps for approximately 5,000 miles of streams in 25 counties. He helped develop the criteria for the Limited Detail Study. This program was the first large scale mapping effort using LiDAR data with and without field survey.		

<b>FIRM EMPLOYED BY:</b>		Dewberry Engineers Inc.	
<b>Name</b>	Lani (Orgeron) Oubre, PE		<b>Year of Relevant Experience with this employer</b>
<b>Title</b>	Project Engineer		<b>Years of relevant experience with other employer(s)</b>
<b>Degree(s) / Years / Specialization</b>		BS / 2020 / Civil Engineering	
<b>Active registration number / state / expiration date</b>		PE No. 0049203 / LA / 03-31-2027	
<b>Year registered</b>	2024	<b>Discipline</b>	Engineer
<b>Contract role(s) / brief description of responsibilities</b>		Develop Base Level Engineering, Hydrologic & Hydraulic Analysis, Numeric Modeling	
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
06/20 - 05/21	<b>LA DOTD Cooperating Technical Partners Program:</b> Worked on locating where field surveys, as-builts, or design plans of hydraulic structures will be needed for potential use in modeling. Defined the detail of streams and corrected the stream centerlines for scoping. Dewberry worked on task orders to determine statewide flood risks under the Risk MAP program as part of a CTP agreement between LA DOTD and the FEMA Region VI. As part of the three-year \$7 million contract, Dewberry determined flood risk using H&H modeling, field surveys, and remote sensing data.		
07/20 - 05/21	<b>LA DOTD Cooperating Technical Partners Program–Amite River Basin Numerical Model:</b> Project Engineer for development of watershed modeling tools to assess hydrology, hydraulics, and consequences using HEC-HMS, HEC-RAS (1D/2D) and HEC-FIA. DOTD bridge plans supplemented with new laser scans were used for coding bridges and culverts. Extensive model calibration and validation was performed. Numerous infrastructure projects were assessed including concept projects for the modification of roadway embankments and bridges. At the time, the project was the largest implementation of a detailed 2D HEC-RAS model in Louisiana and guided many of the technical approaches and software used for the Louisiana Watershed Initiative.		
09/22 - Ongoing	<b>FEMA Region 8 Risk MAP Production and Technical Services Contract, STARR II Joint Venture:</b> H&H Engineer. Perform Enhance Validation Reviews on Engineering deliverables by CTP consultants in Region 8 prior to MIP delivery. Wyoming SST Hydrology Engineer working with teams to perform complex hydrology in areas where no precipitation data exist to model multiple HUC-4 watersheds. There are very few FIRMs in these areas and most communities have FHBMs.		
06/20 - Ongoing	<b>Louisiana Watershed Initiative Region 7 Modeling:</b> Project Engineer (multiple watersheds). This included advanced calibrated 1D and 2D hydrologic and hydraulic watershed scale modeling using HEC-DSS, HEC-DSSVUE, HEC-SSP, HEC-MetVUE, HEC- HMS, HEC-RAS (1D/2D) and HEC-FIA. This included modeling of several hundred roadways and associated embankments, culverts, and bridges in both 1D and 2D.		
05/24 - 04/25	<b>Amite River Basin Commission Master Plan:</b> Staff Engineer for watershed scale modeling activities. Included leveraging and updating LWI HEC-HMS and HEC-RAS models including break-out models for the assessment of multiple infrastructure projects including major reservoirs, levees, and pump stations.		
06/23 - 04/25	<b>St. John the Baptist Parish Comprehensive Floodplain and Stormwater Master Plan:</b> Staff Engineer for a comprehensive floodplain and stormwater master plan. This included detailed hydrologic and hydraulic modeling of roadway infrastructure and project alternatives designed to reduce flooding. LWI models were updated to incorporate new developments, infrastructure and provide more detail. Additionally, the performance of the West Shore Lake Pontchartrain Project, currently under construction was assessed to validate adequate interior drainage infrastructure.		
06/24 - 01/25	<b>Old Mill Settlement Road Safety Improvements, Livingston Parish, LA:</b> Staff Engineer for the updating of DOTD and LWI HEC-RAS hydraulic models to refine detail and model proposed roadway improvements and cross drains to reduce flood frequency for improved ingress and egress safety. This included ensuring no-rise conditions were met in support of FEMA NFIP and grant requirements.		

<b>FIRM EMPLOYED BY:</b>		Dewberry Engineers Inc.	
<b>Name</b>	Peyton Black	<b>Year of Relevant Experience with this employer</b>	1
<b>Title</b>	Graduate Engineer	<b>Years of relevant experience with other employer(s)</b>	0
<b>Degree(s) / Years / Specialization</b>		BS / 2023 / Civil Engineering	
<b>Active registration number / state / expiration date</b>		N/A	
<b>Year registered</b>	N/A	<b>Discipline</b>	Technician
<b>Contract role(s) / brief description of responsibilities</b>		Develop Base Level Engineering, Hydrologic & Hydraulic Analysis, Numeric Modeling	
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
06/23 - Ongoing	<b>LA DOTD Cooperating Technical Partners Program–Amite River Basin Numerical Model:</b> Following the 2016 floods, development of highly detailed watershed scale modeling tools to assess hydrology, hydraulics, and consequences using HEC-HMS, HEC-RAS (1D/2D) and HEC-FIA. At the time the project was the largest implementation of a detailed 2D HEC-RAS model in Louisiana and guided many of the technical approaches and software used for the Louisiana Watershed Initiative.		
06/23 - Ongoing	<b>State of Georgia Department of Natural Resources Cooperating Technical Partners Program:</b> Dewberry has supported the Georgia Department of Natural Resources' (DNR) Map Modernization and Risk MAP programs continually since FY08. This has included deploying Risk MAP to a population of 2 million, a year before Risk MAP was fully implemented by FEMA. Dewberry has provided full Program Management support, including the development of business plans and mapping activity statements (MAS); administration of FEMA's MIP platform and Earned Value Management support for hundreds of Risk MAP purchases; and the evaluation and development of project scopes through Discovery processes. As part of our efforts, Dewberry has been responsible for modeling/ mapping over 90% of Georgia's study inventory, including over 26,000 stream miles of regulatory analysis and well over 24,000 stream miles of Base Level Engineering (BLE) analysis.		
06/23 - Ongoing	<b>Northwest Florida Water Management District Cooperating Technical Partners Program:</b> Dewberry has continuously supported the District's Flood MAP Program since 2004, providing map modernization and Risk MAP services throughout its 16-county jurisdiction. Dewberry's experience on the District's projects has included scoping, Discovery, riverine modeling, coastal analyses, DFIRM/FIS production, Risk MAP product development, post-preliminary processing, FIRM database development, MIP reporting, CNMS validation evaluations and outreach and website development activities.		
06-23 - Ongoing	<b>Louisiana Watershed Initiative Region 7/9 Modeling:</b> Dewberry, in partnership with Forte & Tablada, is collecting extensive field data and developing watershed-wide hydrologic and hydraulic modeling for the east bank of St. John the Baptist Parish within the Lake Maurepas watershed as part of the Louisiana Watershed Initiative (LWI) Region 7 modeling contract. A scalable 2D modeling approach is being used and is over 90% complete to date. Modeling was conducted using HEC- HMS for hydrologic modeling and HEC-RAS for unsteady coupled 1D/2D hydraulic modeling. While the models are required to reflect existing conditions, the model was carefully designed to incorporate the West Shore Lake Pontchartrain project upon construction completion by including the levee alignment and placeholder model segments for key features of the WSLP project, including drainage structures and pump stations.		

<b>FIRM EMPLOYED BY:</b>		Dewberry Engineers Inc.	
<b>Name</b>	Hyejin Kim, PE, CFM		<b>Year of Relevant Experience with this employer</b>
<b>Title</b>	Project Engineer		<b>Years of relevant experience with other employer(s)</b>
<b>Degree(s) / Years / Specialization</b>		BS / 2020 / Civil Engineering	
<b>Active registration number / state / expiration date</b>		PE No. 0049332 / LA / 03-31-2027; PE No. 152989 / TX / 03-31-2026; CFM No. 4342-22N / US / 12-31-2025	
<b>Year registered</b>	PE: 2024; CFM: 2022	<b>Discipline</b>	Engineer
<b>Contract role(s) / brief description of responsibilities</b>		Develop Base Level Engineering, Hydrologic & Hydraulic Analysis, Numeric Modeling	
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
05/20 - 05/21	<b>LA DOTD Cooperating Technical Partners Program:</b> Dewberry was selected as a CTP consultant by the Louisiana Department of Transportation and Development (DOTD) and will work on task orders to determine statewide flood risks under the Risk MAP program as part of a CTP agreement between DOTD and the Federal Emergency Management Agency (FEMA) Region VI. As part of the three-year \$5M contract, Dewberry will determine flood risk using hydrologic and hydraulic modeling, field surveys, and remote sensing data. Our team will assess potential mitigation actions and devise strategies to communicate flood risk to communities and stakeholders.		
05/20 - 05/21	<b>LA DOTD Cooperating Technical Partners Program: Allen Parish Physical Map Revision.</b> Engineer. Performed hydraulics analysis for Allen Parish, Louisiana, which consisted of determining water surface elevations for the 50%, 20%, 10%, 4%, 2%, 1%, "1% plus," and 0.2% annual chance flood events for a total of 232 miles of streams. Developed detailed hydraulic models using HEC-RAS with available topographic data, field surveyed cross-sections, and engineering structures in a riverine setting as appropriate for a detailed study.		
05/20 - Ongoing	<b>Northwest Florida Water Management District Cooperating Technical Partners Program:</b> Dewberry has been a major partner on a team since 2004 providing Map Modernization and Risk MAP services to the District. This has included scoping, riverine modeling, coastal analyses, DFIRM/FIS production, Risk MAP product development, post-preliminary processing, FIRM database development, MIP reporting, and website development to the District's 16-county area.		
05/20 - Ongoing	<b>FEMA Fort Worth Texas Cooperating Technical Partners Program:</b> Leveraged three existing detailed studies (i.e. Stream WF-2, Stream CF-3A, and Stream SC-2) for eventual incorporation into the regulatory process, performing detailed studies on two tributaries (i.e. Stream SC-3 and Stream WF-2A), which are lacking detailed flood risk information. Performed hydraulics analysis activities including establishing and reviewing regulatory floodways and flood elevations for the 10%, 4%, 2%, 1%, "1% plus" and 0.2% annual chance events based on flood discharge rates. Studies including 7.59 miles of high-level study using HEC-RAS.		
09/22 - Ongoing	<b>FEMA Region 8 Risk MAP Production and Technical Services Contract, STARR II Joint Venture:</b> Mitigation Lead. Assessed three pilot small businesses devastated by Superstorm Sandy to develop an array of passive and building improvement measures to prevent future damages from coastal surge, wind and flooding. Authored a Mitigation Report detailing general mitigation measures appropriate for typical small business New York building stock as well as a Small Business Preparedness Guide and templates which leads businesses through storm preparedness planning, response and recovery to minimize emergency and disaster impacts on employees, buildings, critical equipment, operations, stock, IT Operations and records. The work culminated in a workshop for New York small business owners and advocates.		
06/20 - Ongoing	<b>Louisiana Watershed Initiative Region 7/9 Modeling:</b> Dewberry, in partnership with Forte & Tablada, is collecting extensive field data and developing watershed-wide hydrologic and hydraulic modeling for the east bank of St. John the Baptist Parish within the Lake Maurepas watershed as part of the Louisiana Watershed Initiative (LWI) Region 7 modeling contract. A scalable 2D modeling approach is being used and is over 90% complete to date. Modeling was conducted using HEC- HMS for hydrologic modeling and HEC-RAS for unsteady coupled 1D/2D hydraulic modeling. While the models are required to reflect existing conditions, the model was carefully designed to incorporate the West Shore Lake Pontchartrain project upon construction completion by including the levee alignment and placeholder model segments for key features of the WSLP project, including drainage structures and pump stations.		

<b>FIRM EMPLOYED BY:</b>		Dewberry Engineers Inc.	
<b>Name</b>	Jacob Lesue, PE, CFM	<b>Year of Relevant Experience with this employer</b>	12
<b>Title</b>	Associate, Senior Project Manager	<b>Years of relevant experience with other employer(s)</b>	11
<b>Degree(s) / Years / Specialization</b>		MA / 2023 / Civil Engineering; BS / 2003 / Civil Engineering	
<b>Active registration number / state / expiration date</b>		PE No. 0039160 / LA / 03-31-2027; CFM No. 0999-60N / US / 12-31-2025; PE No. 100352 / TX / 09-30-2025; PE No. 29366 / OK / 07-31-2026	
<b>Year registered</b>	PE: 2024; CFM: 2022	<b>Discipline</b>	Engineer
<b>Contract role(s) / brief description of responsibilities</b>		Develop Base Level Engineering, Hydrologic & Hydraulic Analysis, Numeric Modeling	
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
07/17 - 05/21	<b>LA DOTD Cooperating Technical Partners Program–Amite River Basin Numerical Model:</b> Developed a 2-D model of the detailed overbank areas of the Amite River and minor tributaries in south eastern Louisiana. Incorporated over 50 culvert or bridge structures into 2-D domain using data obtained from an extensive survey data collection. Simulated the effects of interstate median barriers during flood events and calibrated to observed conditions. This project consists of the development of a hydrologic and hydraulic numerical model of the Amite River Basin. These models utilize the U.S. Army Corps of Engineers, Hydrologic Engineering Center (HEC) suite of software for hydrology, hydraulics, and consequence assessment. The project is designed to result in a living model to be used for flood mitigation, feasibility studies, no adverse impact assessments, consequence assessment, and risk assessment.		
06/19 - 05/21	<b>LA DOTD Cooperating Technical Partners Program: Study West Feliciana Parish Phase 2:</b> Led an engineering team to conduct an H&H analysis as part of a Phase 2 Study for West Feliciana Parish. Final project deliverables included terrain, survey, H&H modeling, floodplain mapping, and flood risk products. The completion of the project provided West Feliciana Parish, communities, and the state with a more complete picture of local flood risk and flood hazards within the Parish. As engineering team lead Jake provided deliverables that adhered to client request and FEMA specifications.		
07/20 - 12/20	<b>Northwest Florida Water Management District Cooperating Technical Partners Program:</b> Led the H&H quality control reviews for BLE analysis in two HUC8s in Northwest Florida. Hydrology checks included reviewing proper hydro-enforcing of Digital Elevation Models (DEMs) that utilized automated burnline tools, results from excess rainfall hydrographs, application of Green-Ampt parameters, rainfall distribution, and flow calibration. Hydraulic checks also included application of excess rainfall on 2D HEC-RAS grid, 2D grid cell size, application of breaklines and burnlines using automated tools, connectivity between adjacent 2D areas, and calibration to USGS gages and regression equations.		
09/22 - Ongoing	<b>FEMA Region 8 Risk MAP Production and Technical Services Contract, STARR II Joint Venture:</b> Mitigation Lead. Assessed three pilot small businesses devastated by Superstorm Sandy to develop an array of passive and building improvement measures to prevent future damages from coastal surge, wind and flooding. Authored a Mitigation Report detailing general mitigation measures appropriate for typical small business New York building stock as well as a Small Business Preparedness Guide and templates which leads businesses through storm preparedness planning, response and recovery to minimize emergency and disaster impacts on employees, buildings, critical equipment, operations, stock, IT Operations and records. The work culminated in a workshop for New York small business owners and advocates.		
07/17 - 10/18	<b>La Salle Parish:</b> Managed the Parish-wide study to modernize and update flood hazard information while providing additional non-regulatory flood risk assessments. Study incorporated over 678 miles of FEMA BLE, 140 miles of approximate analysis, and 35 miles of a limited detail studied streams. LaSalle Parish is a primarily rural parish with a population of approximately 15,000. Updated flood hazard data and risk assessments will provide Parish and Communities with access to critical data necessary for flood permitting, planning, development, and flood mitigation.		



<b>FIRM EMPLOYED BY:</b>		Dewberry Engineers Inc.	
<b>Name</b>	Daniella Llinas, PE, CFM		<b>Year of Relevant Experience with this employer</b>
<b>Title</b>	Assistant Project Manager		<b>Years of relevant experience with other employer(s)</b>
<b>Degree(s) / Years / Specialization</b>		BSCE / 2015 / Civil Engineering	
<b>Active registration number / state / expiration date</b>		PE No. 138133 / TX / 03-31-2025; PE No. PE049936 / GA / 12-13-2025; CFM / US-21-11807 / 12-31-2025	
<b>Year registered</b>	PE: 2020; CFM: 2019	<b>Discipline</b>	Engineer-Other
<b>Contract role(s) / brief description of responsibilities</b>			Develop Base Level Engineering, Hydrologic & Hydraulic Analysis, Numeric Modeling
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
12/20 - Ongoing	<b>State of Georgia Department of Natural Resources Cooperating Technical Partners Program:</b> Dewberry has supported the Georgia Department of Natural Resources' (DNR) Map Modernization and Risk MAP programs continually since FY08. This has included deploying Risk MAP to a population of 2 million, a year before Risk MAP was fully implemented by FEMA. Dewberry has provided full Program Management support, including the development of business plans and mapping activity statements (MAS); administration of FEMA's MIP platform and Earned Value Management support for hundreds of Risk MAP purchases; and the evaluation and development of project scopes through Discovery processes. As part of our efforts, Dewberry has been responsible for modeling/ mapping over 90% of Georgia's study inventory, including over 26,000 stream miles of regulatory analysis and well over 24,000 stream miles of Base Level Engineering (BLE) analysis.		
12/20 - Ongoing	<b>Northwest Florida Water Management District Cooperating Technical Partners Program:</b> Dewberry has continuously supported the District's Flood MAP Program since 2004, providing map modernization and Risk MAP services throughout its 16-county jurisdiction. Dewberry's experience on the District's projects has included scoping, Discovery, riverine modeling, coastal analyses, DFIRM/FIS production, Risk MAP product development, post-preliminary processing, FIRM database development, MIP reporting, CNMS validation evaluations and outreach and website development activities.		
11/20 - Ongoing	<b>Louisiana Watershed Initiative Region 7/9 Modeling Task Order 1:</b> Collected highwater marks and gauged information to be used to calibrate models.		
09/21 - Ongoing	<b>Louisiana Watershed Initiative Region 7/9 Modeling Task Order 3:</b> Dewberry is currently developing watershed-wide hydrologic and hydraulic modeling for 521 stream miles within the Tangipahoa watershed as part of the Louisiana Watershed Initiative (LWI) Region 7 contract. A tiered resolution approach was used to meet the challenges of the unique hydraulic conditions throughout the watershed and to provide three tiers of detail commensurate with the differing levels of flood risk. Modeling was conducted using HEC-HMS for hydrologic modeling, HEC-RAS for unsteady, coupled 1-D/2-D hydraulic modeling and several proprietary toolsets developed to assist in model construction and parameter estimation, and improve efficiencies.		
10/20 - Ongoing	<b>Rocky Creek Conditional Letter of Map Revision (CLOMR):</b> Prepared a CLOMR for a proposed development in Augusta, Georgia. The existing HEC-RAS model was updated to show both updated existing conditions and future development, which included a culvert crossing, to evaluate the effects on the existing floodplain.		



<b>FIRM EMPLOYED BY:</b>		Dewberry Engineers Inc.	
<b>Name</b>	David Taylor, PE	<b>Year of Relevant Experience with this employer</b>	6
<b>Title</b>	Project Engineer	<b>Years of relevant experience with other employer(s)</b>	2
<b>Degree(s) / Years / Specialization</b>		ME / 2018 / Civil Engineering (Focus: Water Resources); BS / 2017 / Civil Engineering	
<b>Active registration number / state / expiration date</b>		PE No. PE049115 / GA / 12-31-2025	
<b>Year registered</b>	PE: 2022	<b>Discipline</b>	Engineer–Other
<b>Contract role(s) / brief description of responsibilities</b>		Develop Base Level Engineering, Hydrologic & Hydraulic Analysis, Numeric Modeling	
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
06/20 - Ongoing	<b>Louisiana Watershed Initiative Region 7/9 Modeling:</b> Project Engineer. This included development of advanced calibrated 1D and 2D hydrologic and hydraulic watershed scale modeling for eight HUC8's using HEC-DSS, HEC-DSSVUE, HEC-SSP, HEC-MetVUE, HEC- HMS, HEC-RAS (1D/2D) and HEC-FIA. The Amite River Basin Numerical Model previously developed by Dewberry for DOTD through the CTP program was maintained and updated to a newer version of HEC-RAS and included the full incorporation of bridges and culverts for roadway projects into the 2D mesh to ensure models are up to date. Additional tasks included stakeholder engagement and development of flood mapping products consistent with FEMA Risk MAP products. Led outreach meetings with each parish in the regions to fully explain the model so they understood the deliverables from the survey and the HEC software.		
01/19 - 05/21	<b>LA DOTD Cooperating Technical Partners Program–Amite River Basin Numerical Model:</b> Project Engineer for development of watershed modeling tools to assess hydrology, hydraulics, and consequences using HEC-HMS, HEC-RAS (1D/2D) and HEC-FIA. Data collection included review of effective FEMA FIS models and BLE data to gather best available data. Extensive model calibration and validation was performed. At the time, the project was the largest implementation of a detailed 2D HEC-RAS model in Louisiana and guided many of the technical approaches and software used for the Louisiana Watershed Initiative.		
04/19 - Ongoing	<b>Northwest Florida Water Management District Cooperating Technical Partners Program:</b> Project Engineer produced hydrologic and 2D hydraulic BLE models of over 1,700 square miles in northwest Florida. Created guidance documents and provided training to staff with less experience in 2D modeling. Developed associated project deliverables in accordance with FEMA's Guidelines and Standards.		
05/24 - 04/25	<b>Amite River Basin Commission Master Plan:</b> Project Engineer for watershed scale modeling leveraging and updating LWI HEC-HMS, HEC-RAS and HEC-FIA models. Additionally, Seth performed a detailed review of effective FEMA FIS's and determine that models within the Amite basin averaged over 30-years old and were largely based off outdated, low-resolution topography resulting in low accuracy floodplain delineations. A comparison of LWI and FEMA models was performed and determined that over 30,000 structures within the Amite and New River basin could be removed from the FEMA SFHA if LWI models were adopted. A comprehensive review of existing floodplain and stormwater ordinances was performed, and recommendations were made for model ordinances using local and national best practices including higher levels of freeboard. Assessment of infrastructure projects was also performed including major reservoirs, levees, dredging and new pump stations.		
01/19 - Ongoing	<b>State of Georgia Department of Natural Resources Cooperating Technical Partners Program:</b> Produced 2D hydraulic BLE models of approximately 250 square miles in South Georgia. Produced 1D Hydraulic models for approximately 10 miles of detailed floodplain mapping. Developed associated project deliverables in accordance with FEMA's Guidelines and Standards.		
02/19 - Ongoing	<b>State of North Carolina Cooperating Technical Partners Program:</b> Dewberry has provided programmatic support since the inception of NCFMP. Services have included building a tailored workflow process, conceptualizing outreach strategies, designing public websites, advising the NCFMP on program issues (including preparing over 70 issue papers), and developing scheduling tools. Dewberry collaborated with the NCFMP, the North Carolina Geodetic Survey, and FEMA to develop LiDAR specifications to use for the state's mapping program.		

<b>FIRM EMPLOYED BY:</b>		Dewberry Engineers Inc.	
<b>Name</b>	Megan Hanifan, PE		<b>Year of Relevant Experience with this employer</b>
<b>Title</b>	Associate, Senior Project Manager		<b>Years of relevant experience with other employer(s)</b>
<b>Degree(s) / Years / Specialization</b>		MS / 2013 / Civil Engineering; BS / 2012 / Civil Engineering	
<b>Active registration number / state / expiration date</b>		PE No. PE042098 / GA / 12-31-2025	
<b>Year registered</b>	PE: 2017	<b>Discipline</b>	Engineer-Other
<b>Contract role(s) / brief description of responsibilities</b>		Develop Base Level Engineering, Hydrologic & Hydraulic Analysis, Numeric Modeling	
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
06/16 - 05/21	<b>LA DOTD Cooperating Technical Partners Program:</b> Dewberry was selected as a CTP consultant by the DOTD and will work on task orders to determine statewide flood risks under Risk MAP program as part of a CTP agreement between DOTD and the FEMA Region VI. As part of the three-year \$5M contract, Dewberry determined flood risk using hydrologic and hydraulic modeling, field surveys, and remote sensing data. Our team assessed mitigation actions and devised strategies to communicate flood risk.		
01/19 - 05/21	<b>LA DOTD Cooperating Technical Partners Program-Amite River Basin Numerical Model:</b> Project Engineer for development of watershed modeling tools to assess hydrology, hydraulics, and consequences using HEC-HMS, HEC-RAS (1D/2D) and HEC-FIA. Data collection included review of effective FEMA FIS models and BLE data to gather best available data. Extensive model calibration and validation was performed. At the time, the project was the largest implementation of a detailed 2D HEC-RAS model in Louisiana and guided many of the technical approaches and software used for the Louisiana Watershed Initiative.		
06/20 - Ongoing	<b>Louisiana Watershed Initiative Region 7/9 Modeling:</b> Project Engineer. This included development of advanced calibrated 1D and 2D hydrologic and hydraulic watershed scale modeling for eight HUC8's using HEC-DSS, HEC-DSSVUE, HEC-SSP, HEC-MetVUE, HEC-HMS, HEC-RAS (1D/2D) and HEC-FIA. The Amite River Basin Numerical Model previously developed by Dewberry for DOTD through the CTP program was maintained and updated to a newer version of HEC-RAS and included the full incorporation of bridges and culverts for roadway projects into the 2D mesh to ensure models are up to date. Additional tasks included stakeholder engagement and development of flood mapping products consistent with FEMA Risk MAP products. Led outreach meetings with each parish in the regions to fully explain the model so they understood the deliverables from the survey and the HEC software.		
05/24 - 04/25	<b>Amite River Basin Commission Master Plan:</b> Project Engineer for watershed scale modeling leveraging and updating LWI HEC-HMS, HEC-RAS and HEC-FIA models. Additionally, Seth performed a detailed review of effective FEMA FIS's and determine that models within the Amite basin averaged over 30-years old and were largely based off outdated, low-resolution topography resulting in low accuracy floodplain delineations. A comparison of LWI and FEMA models was performed and determined that over 30,000 structures within the Amite and New River basin could be removed from the FEMA SFHA if LWI models were adopted. A comprehensive review of existing floodplain and stormwater ordinances was performed, and recommendations were made for model ordinances using local and national best practices including higher levels of freeboard. Assessment of infrastructure projects was also performed including major reservoirs, levees, dredging and new pump stations.		
01/19 - Ongoing	<b>State of Georgia Department of Natural Resources Cooperating Technical Partners Program:</b> Lead engineer for development of HUC8 scale H&H models for 1,698 miles of medium detail study and 234 miles of high detail study using HEC-DSS, HEC-SSP, HEC-HMS, and HEC-RAS. The H&H analysis included modeling of two large hydro-power reservoirs, which required detailed analysis of historical stage, flow, and operational data. Key to analysis was identification of data gaps and development of methodologies to validate and bridge gaps. Tasks included project scoping, data collection and gap analysis, stakeholder engagement and floodplain mapping.		
05/20 - Ongoing	<b>FEMA Fort Worth Texas Cooperating Technical Partners Program:</b> QC reviewer for hydraulic models throughout the study area. Included evaluating hydraulic geometry data setup, application of steady flow data, incorporation of survey data, and reviews of floodplain and floodway mapping to ensure consistent and accurate models through the project area.		

<b>FIRM EMPLOYED BY:</b>		Freese and Nichols	
<b>Name</b>	Brian Edmondson, PE, CFM		<b>Year of Relevant Experience with this employer</b>
<b>Title</b>	Associate/Project Manager		<b>Years of relevant experience with other employer(s)</b>
<b>Degree(s) / Years / Specialization</b>		MEng / 2010 / Civil Engineering; BS / 2009 / Biological Systems Engineering	
<b>Active registration number / state / expiration date</b>		PE No. 118955 / TX / 09-30-2025; CFM No. 2729-14N / US / 12-31-2025	
<b>Year registered</b>	2014	<b>Discipline</b>	Engineer–Other
<b>Contract role(s) / brief description of responsibilities</b>		Develop Base Level Engineering, Hydrologic & Hydraulic Analysis, Numeric Modeling	
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
01/19 – 03/23	<b>MAAPnext Project*, Harris County Flood Control District:</b> Project Manager: Working in partnership with FEMA and in HCFCD’s role as a Cooperating Technical Partner (CTP), Brian led a team of eight engineering firms, communications professionals and web developers on a county-wide restudy, establishing new modeling standards for Harris County that focused on implementing innovative yet practical methodologies. <i>*Experience prior to FNI</i>		
09/24 – 05/25	<b>Region 1 Risk MAP Task Order Management (Advancing Resilience in Communities [ARC] Production FY24), FEMA:</b> Deputy Task Order Manager: Provided task order level management over a large suite of Risk MAP projects in Region 1.		
09/22 – 05/25	<b>Regions 3 and 5 Project Management (ARC Production FY22-24), FEMA:</b> Project manager. Provided engineering and project management services for a portfolio of projects for a PTS contract in support of production efforts. Services included the full lifecycle of Risk MAP from Discovery, to 2D modeling, floodplain mapping, Flood Insurance Rate Maps (FIRM) database production and post-preliminary activities.		
09/21– 03/25	<b>Guidance and Standards (ARC Standard Operations FY22-24), FEMA:</b> Deputy lead. Supports FEMA headquarters in annual updates to the guidelines and standards for flood risk analysis and mapping.		
04/14 – 03/22	<b>Additional Various Roles*, Harris County Flood Control District:</b> Project Manager/Assistant Project Manager. While working for 8 years at Harris County Flood Control District, Brian managed many CTP grant-funded Risk MAP projects and Special Project grants, including MAAPnext (2018- 2022 and Sims Bayou (2017). Serving as Assistant Project manger, Brian help lead the technical team’s effort on the 2023 cycle of the San Jacinto Regional Flood Planning for the Texas Water Development Board. <i>*Experience prior to FNI</i>		

<b>FIRM EMPLOYED BY:</b>		Freese and Nichols	
<b>Name</b>	<b>Mat Leclair, PE, CFM</b>		<b>Year of Relevant Experience with this employer</b>
<b>Title</b>	Associate, Senior Project Manager		<b>Years of relevant experience with other employer(s)</b>
<b>Degree(s) / Years / Specialization</b>		MEng / 2009 / Civil Engineering; BS / 2008 / Civil Engineering	
<b>Active registration number / state / expiration date</b>		PE No. 113033 / TX / 9-30-2025; CFM No. 1893-10N / US / 12-31-2025	
<b>Year registered</b>	2012	<b>Discipline</b>	Engineer—Other
<b>Contract role(s) / brief description of responsibilities</b>		Develop Base Level Engineering, Hydrologic & Hydraulic Analysis, Numeric Modeling	
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
03/23 – 02/25	<b>HCFCF Model and Map Management (M3) Program (LOMR Delegation), Harris County Flood Control District:</b> QA/QC: FNI reviewed all floodplain studies submitted by engineering consultants and assisted with the review of local developer submittals for consistency and conformity with District criteria, as part of the District's Model and Map Management (M3) Program. FNI also provided a comprehensive technical review of LOMRs and CLOMRs on behalf of FEMA to confirm adherence to federal regulations and documentation requirements. Mat performed QA/QC services for this project.		
09/21 - Ongoing	<b>Risk MAP Production and Technical Services, Eastern U.S., FEMA:</b> Staff Engineer: As a member of the Advancing Resiliency in Communities (ARC) Joint Venture, FNI is providing production and technical services in support of FEMA's Risk Mapping, Assessment and Planning (MAP) Program. Services included generating and evaluating flood hazard and risk information and support for the development and implementation of mitigation, planning, flood mapping and modeling activities for Zone 1 for FEMA's Risk MAP Program.		
02/19 – 12/21	<b>MAAPnext Flood Risk Analyses and Mapping, Harris County Flood Control District:</b> Technical Advisor: FNI completed modeling and mapping activities for the Addicks Reservoir and Cypress Creek watersheds, including the watershed-scale HEC-HMS and unsteady 1D/2D HEC-RAS models with a combined footprint of 503 square miles and 286 stream miles. The study areas involved numerous complexities, such as overflows between watersheds, rapid development, dams and a levee. FNI applied novel approaches and methodologies that will serve as a template for future Risk MAP projects nationally.		
05/21 – 01/24	<b>2023 Region 4 Sabine Regional Flood Plan, Sabine Region RFPG:</b> Project Manager. FNI supported Region 4 with the development of its 2023 Regional Flood Plan. The project included gathering and analyzing data, identifying existing and future flood risks, evaluating floodplain management practices, and recommending evaluations, strategies, and projects intended to reduce flood risk.		
05/21 – 01/24	<b>2023 Region 5 Neches Regional Flood Plan, Neches Regional Flood Planning Group:</b> Technical Advisor: FNI supported Region 5 with the development of its 2023 Regional Flood Plan. The project included the gathering and analysis of data, identification of existing and future flood risks, evaluation of floodplain management practices, and the recommendation of evaluations, strategies, and projects intended to reduce flood risk.		
04/21 – 03/24	<b>2023 San Jacinto Regional Flood Plan, San Jacinto Region RFPG:</b> Technical Advisor: FNI assisted the County with gathering and analyzing data, identifying existing and future flood risks, evaluating floodplain management practices, and recommending 540 evaluations, strategies, and projects totaling more than \$33.7 billion to better understand and reduce flood risk. The study resulted in a regional flood plan made available for public and stakeholder review and input.		
08/24 – 11/24	<b>Flood Infrastructure Fund Application Review Assistance, Texas Water Development Board:</b> Assistant Project Manager: FNI assisted TWDB in reviewing Abridged Applications for compliance against regional flood plans for stormwater projects across the state in alignment with the Flood Infrastructure Fund as part of the Statewide Intended Use Plan.		

<b>FIRM EMPLOYED BY:</b>		Freese and Nichols	
<b>Name</b>	Nick Boardman, PE, CFM	<b>Year of Relevant Experience with this employer</b>	6
<b>Title</b>	Stormwater Engineer	<b>Years of relevant experience with other employer(s)</b>	1
<b>Degree(s) / Years / Specialization</b>		BS / 2018 / Civil Engineering	
<b>Active registration number / state / expiration date</b>		PE No. 148172 / TX/ 03-31-2026; CFM No. 677-19N / US / 12-31-2025	
<b>Year registered</b>	2023	<b>Discipline</b>	Engineer–Other
<b>Contract role(s) / brief description of responsibilities</b>		Develop Base Level Engineering, Hydrologic & Hydraulic Analysis, Numeric Modeling	
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
03/23 – 2/25	<b>HCFCF Model and Map Management (M3) Program (LOMR Delegation), Harris County Flood Control District:</b> Project Manager: FNI reviewed all floodplain studies submitted by engineering consultants and assisted with the review of local developer submittals for consistency and conformity with District criteria, as part of the District’s Model and Map Management (M3) Program. FNI also provided a comprehensive technical review of LOMRs and CLOMRs on behalf of FEMA to confirm adherence to federal regulations and documentation requirements. Nick reviewed technical material as a trusted advisor of client.		
02/22 – 03/25	<b>Regional Watershed Study, Jefferson County Drainage District No. 6:</b> Task Leader: FNI led a comprehensive drainage study of the Taylors Bayou, Hillebrandt Bayou and Pine Island Bayou watersheds, covering 1,200 square miles and approximately 1,000 stream miles between the three bayous’ main stems and tributaries, to identify large-scale regional flood reduction solutions that address flood damages and prepare a path for implementation of the flood mitigation alternatives. Extreme events, such as Hurricane Harvey and Tropical Storm Imelda, produced unprecedented amounts of rainfall, resulting in significant out-of-bank flooding throughout the study area. As the Technical Lead, Nick developed the modeling process/approach for the production team to follow to determine the sizing of open channel and detention flood mitigation projects for the Pine Island Bayou watershed. In addition to providing guidance to staff and helping to make sure the project stays on schedule and budget, Nick is also working in a production capacity.		
04/21 – 03/24	<b>2023 San Jacinto Regional Flood Plan, San Jacinto Region RFPG:</b> QA/QC: FNI assisted the County with gathering and analyzing data, identifying existing and future flood risks, evaluating floodplain management practices, and recommending 540 evaluations, strategies, and projects totaling more than \$33.7 billion to better understand and reduce flood risk. The study resulted in a regional flood plan made available for public and stakeholder review and input.		
05/21 – 01/24	<b>2023 Region 5 Neches Regional Flood Plan, Neches Regional Flood Planning Group:</b> QA/QC: FNI supported Region 5 with the development of its 2023 Regional Flood Plan. The project included the gathering and analysis of data, identification of existing and future flood risks, evaluation of floodplain management practices, and the recommendation of evaluations, strategies, and projects intended to reduce flood risk.		
05/21 – 01/24	<b>2023 Region 4 Sabine Regional Flood Planning Group, Sabine River Authority of Texas:</b> QA/QC: FNI supported Region 4 with the development of its 2023 Regional Flood Plan. The project included gathering and analyzing data, identifying existing and future flood risks, evaluating floodplain management practices, and recommending evaluations, strategies, and projects intended to reduce flood risk.		
02/22 – 03/25	<b>2028 Region 8 (Lower Brazos) Regional Flood Plan, Lower-Brazos Region RFPG:</b> Project Manager: As a subconsultant, FNI is providing services to assist with the identification and characterization of proposed or ongoing major infrastructure and flood mitigation projects in the Flood Planning Region ( FPR). FNI will provide input on the best prioritization of available data for incorporation into the existing condition flood hazard analyses. FNI will also assist with the QC of flood inundation maps and associated data, as well as analyze existing conditions exposure and vulnerability.		



<b>FIRM EMPLOYED BY:</b>		Freese and Nichols	
<b>Name</b>	Holly Ahumada, PE, CFM		<b>Year of Relevant Experience with this employer</b>
<b>Title</b>	Associate, Project Manager		<b>Years of relevant experience with other employer(s)</b>
<b>Degree(s) / Years / Specialization</b>		MEng / 2013 / Water Resources; BS / 2012 / Civil Engineering	
<b>Active registration number / state / expiration date</b>		PE No. 128627 / TX / 09-30-2025; CFM No. 2700-14N / US / 12-31-2025	
<b>Year registered</b>	2017	<b>Discipline</b>	Engineer-Other
<b>Contract role(s) / brief description of responsibilities</b>			Develop Base Level Engineering, Hydrologic & Hydraulic Analysis, Numeric Modeling
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
02/19 – 12/21	<b>MAAPnext Flood Risk Analyses and Mapping, Harris County Flood Control District:</b> Task Leader: FNI completed modeling and mapping activities for the Addicks Reservoir and Cypress Creek watersheds, including the watershed-scale HEC-HMS and unsteady 1D/2D HEC-RAS models with a combined footprint of 503 square miles and 286 stream miles. The study areas involved numerous complexities, such as overflows between watersheds, rapid development, dams and a levee. FNI applied novel approaches and methodologies that will serve as a template for future Risk MAP projects nationally. Holly provided technical support to the production team throughout model development. She performed QC reviews and provided feedback at model development milestones.		
07/20 – 05/25	<b>On-Call Services, Harris County Flood Control District:</b> QA/QC: FNI is providing on-call services for the District that include assessment visits, engineering reports, technical memoranda, exhibits, H&H models, and coordination with other governmental agencies.		
07/19 – 06/20	<b>Drainage Master Plan, Phase I, City of Waxahachie, TX:</b> Project Manager: FNI developed a city-wide drainage master plan that was implemented in phases. Phase 1 included inventory of the existing drainage system, delineation of watersheds based on new LiDAR topography, and identification of flood hazards and conceptual flood and erosion risk reduction projects using an HEC-RAS 2D Rain-on-Mesh analysis. Based on the analysis, the City identified areas that required further analysis in Phase 2 to develop a Stormwater Capital Improvement Program.		
03/21 – 07/23	<b>Texas Regional Flood Plans, Texas Water Development Board:</b> Stormwater Engineer, Assistant Project Manager: FNI supported the Texas Water Development Board and 12 of the 15 Regional Flood Planning Groups in developing the first-ever 2023 Regional Flood Plans (RFP). The RFPs identified each region's current and projected flood risks and recommended flood mitigation actions that help reduce flood hazards to life and property. Potential flood mitigation actions included flood management evaluations, flood management strategies and flood mitigation projects.		
09/22 – 05/25	<b>FEMA PTS Risk MAP Regional Production Task Orders, Federal Emergency Management Agency:</b> Project Manager: As a joint venture partner, FNI is providing architectural and engineering services under FEMA's Production and Technical Services contract. This includes efforts involving 2D modeling and engineering, flood risk product development, preliminary and post-preliminary production activities, and levee support.		



<b>FIRM EMPLOYED BY:</b>		Dewberry Engineers Inc.	
<b>Name</b>	Barrett Goodwin, GISP, CFM		<b>Year of Relevant Experience with this employer</b>
<b>Title</b>	Senior Project Manager		<b>Years of relevant experience with other employer(s)</b>
<b>Degree(s) / Years / Specialization</b>		BS / 2004 / Geography	
<b>Active registration number / state / expiration date</b>		CFM No. 1141-07N / TX / 12-31-2025	
<b>Year registered</b>	PE: 2007	<b>Discipline</b>	GIS Analyst
<b>Contract role(s) / brief description of responsibilities</b>		Floodplain Mapping, Develop Firms, Flood Risk Products, Flood Risk Assessment	
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
06/16 - 05/21	<b>LA DOTD Cooperating Technical Partners Program:</b> Dewberry is working on task orders to determine statewide flood risks under the Risk MAP program as part of a CTP agreement between LA DOTD and the FEMA Region VI. Barrett managed the Risk MAP Discovery process and implementation of Bayou Teche and Bayou Tchefuncta watersheds for LA DOTD CTP Program. Currently serves as a subject matter expert of Risk MAP process as GIS team lead for key GIS staff working within the LA DOTD CTP Program. Responsible for review and oversight of QA/QC process and procedures for FEMA DCS and deliverables of GIS data being produced under the LA DOTD CTP Program. Developed the conceptual model of rapidly developing AoMI hotspots with newly developed LA DOTD CTP Program flood hazard and risk information.		
05/19 - 05/21	<b>LA DOTD Cooperating Technical Partners Program: Study West Feliciana Parish Phase 2:</b> Dewberry was selected as the CTP and performed a Phase 2 Study for West Feliciana Parish. Final project deliverables included terrain, survey, H&H modeling, floodplain mapping, and flood risk products. The completion of the project provided West Feliciana Parish, communities, and the state with a more complete picture of local flood risk and flood hazards within the Parish. As GIS team lead Barrett confirmed that deliverables adhered to client request and FEMA specifications.		
01/17 - 06/19	<b>FEMA Region VI Cooperating Technical Partners Program:</b> Dewberry conducted FEMA Region VI Phase 1 Discovery Projects for nine HUC8 watersheds in Louisiana. Discovery is the process of gathering data on each watershed, creating a comparison of newly created Flood Risk information to compare to historic Flood Insurance Rate Map data, and conducting meetings to discuss those results with all community officials in each watershed. This also includes congressional briefings and data deliveries to the communities. Needs and concerns related to flooding for all watersheds is collected, documented, and delivered to FEMA for recommendations on updated engineering needs to more accurately identify the flood risk.		
03/20 - Ongoing	<b>FEMA Fort Worth Texas Cooperating Technical Partners Program:</b> Current MAS are for the completion of detailed studies for five flooding sources and their tributaries totaling 33 stream miles. The scope includes LiDAR terrain development with survey and modeling of 85 hydraulics structures. These studies include the review and incorporation of existing H&H with new and updated H&H. Existing information is being upscaled for FEMA Risk MAP compliance and acceptance and appended to new study information. Detail studies include the completion of HEC-HMS modeling, complex HEC-RAS 1D steady state analysis, floodplain mapping, and flood risk assessments. Flood frequencies computed for the H&H scope included new H&H for the 2-, 5-, 10-, 25-, 50-, 100-, 500-year, and 1%+ flood events.		
09/13 - 09/09	<b>Lafourche Parish LAMP Levee Study:</b> Led the successful completion of FEMA Region VI LAMP pilot project in southeast Louisiana for Lafourche Parish. This was a multi-year, multi-contract that involved coordination with key stakeholders from local, state, and federal entities. Success was measured in the Parish acceptance of the results for permitting and regulation as well as future adoption in their FIRMs. According to Lafourche Parish this was accomplished by working closely with key stakeholders and bringing into the process their concerns to better reflect reality than previous studies. LAMP assessed the Parish levees according to guidance published by FEMA in order to determine risk behind the levees. This project was complex and involved the interface of rainfall runoff and coastal storm surge influences. Analysis included 2D modeling and mapping of a 40 mile ring levee and 39 separate forced drainage areas.		

<b>FIRM EMPLOYED BY:</b>		Dewberry Engineers Inc.	
<b>Name</b>	Claire Pollard, CFM	<b>Year of Relevant Experience with this employer</b>	5
<b>Title</b>	Deputy Project Manager	<b>Years of relevant experience with other employer(s)</b>	3
<b>Degree(s) / Years / Specialization</b>		MS / 2017 / Environmental Science; BS / 2009 / Physical Geography	
<b>Active registration number / state / expiration date</b>		CFM No. 3762-19N / US / 12-31-2026	
<b>Year registered</b>	2019	<b>Discipline</b>	GIS Analyst
<b>Contract role(s) / brief description of responsibilities</b>		Floodplain Mapping, Develop Firms, Flood Risk Products, Flood Risk Assessment	
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
10/24 - Ongoing	<b>FEMA Region 8 Risk MAP Production and Technical Services Contract, STARR II Joint Venture: BLE Playbook:</b> Assisted in creating the "Emergency Management" section of the BLE playbook. Worked with project team members to determine a suitable outline to help emergency managers know when and how to utilize BLE data in certain applications of their profession. Created graphics to help visualize the use of BLE data. Had virtual meetings with emergency managers and resiliency planners to discuss the formation of the outline as well as the relevancy of the material for their use.		
05/19 - 05/21	<b>LA DOTD Cooperating Technical Partners Program:</b> Responsible for inputting the hydrologic modeling into the FEMA DCS and assisted in the hydrologic modeling documentation of methodologies and input data. Created the non-regulatory flood risk products for West Feliciana Parish which included the Changes Since Last FIRM dataset, AOMI, water surface elevation grids and depth grids. Utilized available BLE data within the watershed to show more coverage of flood hazard areas where our detailed modeling was not scoped. Ran the Hazus model to identify risk in the parish with the updated flood hazard areas. Helped develop a tool that generates additional AOMIs that are determined from a hotspot analysis using the new flood risk data and building footprint data. Created a Flood Risk Map and a Flood Risk Report for the Bayou Sara Thompson watershed. Developed a Web Map Viewer to allow community officials to view the data online during the virtual Flood Risk Review Meeting.		
05/19 - 05/21	<b>LA DOTD Cooperating Technical Partners Program: Study West Feliciana Parish Phase 2:</b> Input hydrologic modeling into FEMA DCS and assisted in hydrologic modeling documentation of methodologies and input data. Created non-regulatory flood risk products for parish which included Changes Since Last FIRM dataset, AoMI, water surface elevation grids, and depth grids. Utilized available BLE data within watershed to show more coverage of flood hazard areas where detailed modeling was not scoped.		
09/20 - Ongoing	<b>State of Georgia Department of Natural Resources Cooperating Technical Partners Program:</b> Dewberry has supported the Georgia Department of Natural Resources' (DNR) Map Modernization and Risk MAP programs continually since FY08. This has included deploying Risk MAP to a population of 2 million, a year before Risk MAP was fully implemented by FEMA. Dewberry has provided full Program Management support, including the development of business plans and mapping activity statements (MAS); administration of FEMA's MIP platform and Earned Value Management support for hundreds of Risk MAP purchases; and the evaluation and development of project scopes through Discovery processes. As part of our efforts, Dewberry has been responsible for modeling/ mapping over 90% of Georgia's study inventory, including over 26,000 stream miles of regulatory analysis and well over 24,000 stream miles of Base Level Engineering (BLE) analysis.		
05/20 - Ongoing	<b>FEMA Fort Worth Texas Cooperating Technical Partners Program:</b> Input the hydrologic modeling into the FEMA DCS. Provided a detailed QA/QC of the hydraulic modeling output into DCS as well as review of the flood profiles and floodway data tables. Trained staff on floodplain mapping methodologies and technicalities..		
09/22 - Ongoing	<b>FEMA Region 8 Risk MAP Production and Technical Services Contract, STARR II Joint Venture:</b> Responsible for creating FEMA accepted database on MIP, running Level 2 Hazus analysis for communities, preparing data for Discovery meetings, and leading collection of AoMI datasets through an online website. This will enable officials to input data on the site so attendance at Discovery meeting is not mandatory. Also leading development of hardcopy maps and reports for the meeting so those in attendance can comfortably communicate flood risk needs in their preferred method: both high and low tech. Claire also spearheaded the development of a "hot spot" analysis.		

<b>FIRM EMPLOYED BY:</b>		Dewberry Engineers Inc.	
<b>Name</b>	Payton Karr	<b>Year of Relevant Experience with this employer</b>	1
<b>Title</b>	GIS Professional I	<b>Years of relevant experience with other employer(s)</b>	0
<b>Degree(s) / Years / Specialization</b>		BS / 2023 / Geoscience	
<b>Active registration number / state / expiration date</b>		N/A	
<b>Year registered</b>	N/A	<b>Discipline</b>	GIS Analyst
<b>Contract role(s) / brief description of responsibilities</b>		Floodplain Mapping, Develop Firms, Flood Risk Products, Flood Risk Assessment	
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
06/23 - Ongoing	<b>State of North Carolina Cooperating Technical Partners Program:</b> Dewberry has provided programmatic support since the inception of NCFMP. Services have included building a tailored workflow process, conceptualizing outreach strategies, designing public websites, advising the NCFMP on program issues (including preparing over 70 issue papers), and developing scheduling tools. Dewberry collaborated with the NCFMP, the North Carolina Geodetic Survey, and FEMA to develop LiDAR specifications to use for the state's mapping program.		
06/23 - Ongoing	<b>Northwest Florida Water Management District Cooperating Technical Partners Program:</b> Since 2004, Dewberry has provided Map Modernization and Risk MAP services to the District, including scoping, riverine modeling, coastal analyses, DFIRM/FIS production, Risk MAP product development, post-preliminary processing, FIRM database development, MIP reporting, and website development to the District's 16-county area. Noelle's responsibilities included post-prelim processing due process for several studies in Florida/Region 4 for which she coordinated Federal Register publications, developed appeal start schedules, community outreach and correspondence, interim FEDD files, QA/QC.		
06-23 - Ongoing	<b>FEMA Region 8 Risk MAP Production and Technical Services Contract, STARR II Joint Venture:</b> As part of the STARR II PTS JV, Dewberry supports FEMA's Risk MAP Program by delivering production and program support services for FEMA Zone 3, which includes FEMA Regions 8, 9, and 10. Dewberry is the JV's lead partner in Region 8. The Risk MAP program focuses on identifying flood hazards and using this information to assess risks in order to support state and local mitigation planning, risk awareness, and drive risk reduction actions. Dewberry's support under PTS efforts includes a wide range of engineering analyses (riverine and coastal); flood hazard map production and distribution; community Due Process facilitation; coordination of outreach and communication measures; multi-hazard identification and vulnerability assessments; FEMA HQ programmatic support; and more.		
06-23 - Ongoing	<b>Louisiana Watershed Initiative Region 7/9 Modeling:</b> Dewberry, in partnership with Forte & Tablada, is collecting extensive field data and developing watershed-wide hydrologic and hydraulic modeling for the east bank of St. John the Baptist Parish within the Lake Maurepas watershed as part of the Louisiana Watershed Initiative (LWI) Region 7 modeling contract. A scalable 2D modeling approach is being used and is over 90% complete to date. Modeling was conducted using HEC- HMS for hydrologic modeling and HEC-RAS for unsteady coupled 1D/2D hydraulic modeling. While the models are required to reflect existing conditions, the model was carefully designed to incorporate the West Shore Lake Pontchartrain project upon construction completion by including the levee alignment and placeholder model segments for key features of the WSLP project, including drainage structures and pump stations.		

<b>FIRM EMPLOYED BY:</b>		Dewberry Engineers Inc.	
<b>Name</b>	Jarrett Mattli, GISP, CFM		<b>Year of Relevant Experience with this employer</b>
<b>Title</b>	Senior Associate, Department Manager		<b>Years of relevant experience with other employer(s)</b>
<b>Degree(s) / Years / Specialization</b>		BA / 2004 / Geography	
<b>Active registration number / state / expiration date</b>		CFM No / US-10-04911 / 07-31-2026	
<b>Year registered</b>	CFM: 2010	<b>Discipline</b>	GIS Analyst
<b>Contract role(s) / brief description of responsibilities</b>		Floodplain Mapping, Develop Firms, Flood Risk Products, Flood Risk Assessment	
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
06/16 - 05/21	<b>LA DOTD Cooperating Technical Partners Program:</b> Dewberry is determining flood risk using H&H modeling, field surveys, and remote sensing data under LA DOTD's CTP agreement with FEMA Region VI. Our team is assessing potential mitigation actions and devising strategies to communicate flood risk to community officials and stakeholders. In support of the state's Risk MAP objectives, Jarrett guided the design and creation of Louisiana's Flood Information Guide (FIG) for West Carroll Parish, intended to support communities in making sound floodplain management decisions when access to technology is limited.		
07/07 - Ongoing	<b>Northwest Florida Water Management District Cooperating Technical Partners Program:</b> Jarrett has led FIRM Production activities for 9 of 16 counties which included hands on experience, as well as experience in guiding FIRM production workflows from start to finish, including data acquisition and formatting; digital conversion; floodplain mapping; datum conversions; redelineation; terrain development; database maintenance; FIRM and FIS production; Post Preliminary and Due Process coordination; leading outreach activities; and the development of Flood Risk products. He is guiding the development of a BLE analysis and production of derivative datasets, such as floodplain mapping and non-regulatory by-products. In addition, he is managing the development of 2D flood studies, FIRM Revisions, and Flood Risk products for multiple watersheds.		
03/09 - Ongoing	<b>State of Georgia Department of Natural Resources Cooperating Technical Partners Program:</b> Jarrett is currently supporting Risk MAP projects in four watersheds. He has assisted with 15 watershed-wide Discovery efforts, prepared and guided data development submittals, guided 1D and 2D engineering analysis and floodplain mapping efforts, issued draft and preliminary mapping products, and coordinated all facets of post-preliminary processes. He has conducted and coordinated community outreach activities, including kickoff meetings, multi-agency stakeholder meetings, draft map and analysis meetings, final CCO meetings, over 50 community open houses, more than a dozen resilience meetings, and led production efforts for educational guidebooks, videos, and individual property notifications. Most recently, Jarrett has supported the development of a BLE Playbook, intended to support community officials with understanding and using BLE modeling results and derivative products to enhance local floodplain management practices.		
01/09 - 12/16	<b>FEMA Region 6 Risk MAP Program:</b> Managed FIS/FIRM production activities for seven partial countywide revisions and one countywide. He prepared scoping deliverables, processed topographic datasets, directed flood studies, and created digital and hardcopy FEMA deliverables. Jarrett coordinated several community outreach meetings, including kick-off meetings, Flood Risk Review meetings, and CCO Meetings. For these meetings, he prepared draft maps, project newsletters, technical reports, and several outreach handouts. He also performed several detailed and independent technical reviews supporting regionwide project activities and assisted with the maintenance and communication of Dewberry's PTS Quality Management System (QMS), which included training technical review staff on QMS Policy and Procedures.		

<b>FIRM EMPLOYED BY:</b>		Dewberry Engineers Inc.	
<b>Name</b>	Noelle Baffa		<b>Year of Relevant Experience with this employer</b>
<b>Title</b>	Deputy Project Manager		<b>Years of relevant experience with other employer(s)</b>
<b>Degree(s) / Years / Specialization</b>		BA / 2018 / Environmental and Sustainability Studies	
<b>Active registration number / state / expiration date</b>		N/A	
<b>Year registered</b>	N/A	<b>Discipline</b>	GIS Analyst
<b>Contract role(s) / brief description of responsibilities</b>			Floodplain Mapping, Develop Firms, Flood Risk Products, Flood Risk Assessment
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
04/20 – 10/21	<b>Northwest Florida Water Management District Cooperating Technical Partners Program:</b> Since 2004, Dewberry has provided Map Modernization and Risk MAP services to the District, including scoping, riverine modeling, coastal analyses, DFIRM/FIS production, Risk MAP product development, post-preliminary processing, FIRM database development, MIP reporting, and website development to the District's 16-county area. Noelle's responsibilities included post-prelim processing due process for several studies in Florida/Region 4 for which she coordinated Federal Register publications, developed appeal start schedules, community outreach and correspondence, interim FEDD files, QA/QC.		
04/19 – 01/25	<b>State of North Carolina Cooperating Technical Partners Program:</b> Largest, most comprehensive FEMA partner-initiated floodplain mapping program of its kind. For over 17 years, Dewberry has provided map modification and Risk MAP services. Noelle's experiences included prelim and post-prelim processing for NC: prelim issuance, due process, LFD issuance, correspondence/document development, and QA/QC.		
12/19 – 03/25	<b>State of Georgia Department of Natural Resources Cooperating Technical Partners Program:</b> Dewberry has served the Georgia DNR CTP program for 12 years; responsible for mapping 60% of GA DNR's study inventory and delivering new mapping projects for 116 counties. Noelle's responsibilities include post-prelim processing due process for several Georgia/Region studies – she coordinated Federal Register publications, developed appeal start schedules, community outreach and correspondence, interim FEDD files, QA/QC.		
12/23 – 07/24	<b>New York State Office of General Services/Department of Environmental Conservation Cooperating Technical Partners Program:</b> In our sixth successive contract with OGS on behalf of NYS DEC, New York continues to turn to Dewberry to solve its most complex challenges in flood risk management. Over 27 work orders, Dewberry provided responsive project management, delivered dynamic solutions, and met critical time constraints on core contract services as well as tailored design and studies. As Deputy PM and Task Lead for Substantial Damage Resources and Training, Noelle developed a Substantial Damage Plan template for NY state community officials, and created a public-facing Substantial Damage Quick Guide published on the NYSDEC website.		
09/22 - Ongoing	<b>FEMA Region 8 Risk MAP Production and Technical Services Contract, STARR II Joint Venture:</b> As part of a joint venture, Dewberry is leading Region 8 production, including hydrologic and hydraulic analyses (1,400+ miles of detailed study and 13,000+ miles of approximate study), floodplain mapping, and production of both regulatory FIRM products (3,600+ panels), as well as non-regulatory products such as depth grids and dam breach mapping.		



<b>FIRM EMPLOYED BY:</b>		Dewberry Engineers Inc.	
<b>Name</b>	<b>Nick Jones, GISP, CFM, EADA</b>		<b>Year of Relevant Experience with this employer</b>
<b>Title</b>	Senior GIS Professional		<b>Years of relevant experience with other employer(s)</b>
<b>Degree(s) / Years / Specialization</b>		BS / 2004 / Geography	
<b>Active registration number / state / expiration date</b>		CFM No. NC-15-0595 / NC / 01-01-2027; GISP No. 58385 / US / 03-25-2026; EADA No. J7QZTWWK2ER4Y3JD / US	
<b>Year registered</b>	CFM: 2007; GISP: 2010	<b>Discipline</b>	GIS Analyst
<b>Contract role(s) / brief description of responsibilities</b>		Floodplain Mapping, Develop Firms, Flood Risk Products, Flood Risk Assessment	
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
06/16 - 05/21	<b>LA DOTD Cooperating Technical Partners Program:</b> Dewberry was selected as a cooperating technical partner (CTP) consultant by the Louisiana Department of Transportation and Development (DOTD) and will work on task orders to determine statewide flood risks under the Risk MAP program as part of a CTP agreement between DOTD and the Federal Emergency Management Agency (FEMA) Region VI. As part of the three-year \$5M contract, Dewberry will determine flood risk using hydrologic and hydraulic modeling, field surveys, and remote sensing data. Our team will assess potential mitigation actions and devise strategies to communicate flood risk to communities and stakeholders.		
02/15 - Ongoing	<b>Northwest Florida Water Management District Cooperating Technical Partners Program:</b> Nick has assisted with FIRM production activities for seven counties in Northwest Florida, including activities ranging from data acquisition, digital conversion, floodplain mapping, redelineation, terrain development, database maintenance, FIS and FIRM production, Post Preliminary processes, Flood Risk product development, and the creation of tools used to streamline processing. Nick played a crucial role in using Coastal and 2D modeling outputs to create various datasets, including water surface and depth grids, probability grids, and floodplain delineations. In addition, he supported the development and presentation of material for outreach meetings, including Flood Risk Review, CCO, Flood Risk Open Houses, and Community Resilience Meetings.		
01/11 - Ongoing	<b>State of Georgia Department of Natural Resources Cooperating Technical Partners Program:</b> In support of the Georgia CTP Program, Nick assisted in the development of FEMA Products for over 55 counties in Georgia. Production activities for these counties have included outreach activities, scoping and discovery, data development, FIRM/FIS production, Post Preliminary activities, and Risk MAP product development. Nick is assisting in various production activities for ongoing GA DNR projects, including topographic data processing, H&H analysis, floodplain mapping, FIRM database development, and Post Preliminary Processes. Nick has helped in the development of custom scripts and processes to streamline the delineation of approximate BLE floodplains.		
04/19 – 01/25	<b>State of North Carolina Cooperating Technical Partners Program:</b> Dewberry has provided programmatic support since the inception of NCFMP. Services have included building a tailored workflow process, conceptualizing outreach strategies, designing public websites, advising the NCFMP on program issues (including preparing over 70 issue papers), and developing scheduling tools. Dewberry collaborated with the NCFMP, the North Carolina Geodetic Survey, and FEMA to develop LiDAR specifications to use for the state's mapping program.		
02/17 - 03/20	<b>State of Alabama Cooperating Technical Partners Program:</b> Dewberry performed Discovery, developed hydrologic and hydraulic analysis for more than 1,000 miles of streams, developed new floodplain mapping, preliminary map products and led the Post Preliminary Processing for three counties in the Upper Choctawhatchee watershed. Dewberry also performed independent quality control of preliminary map products for more than 1,700 miles of streams in Wheeler Lake and Locust Fork watersheds, in addition to hydrologic modeling for more than 470 miles of streams in the Cahaba watershed.		
09/17 - 08/18	<b>La Salle Parish:</b> Nick assisted in various production activities for LaSalle Parish, Louisiana, including floodplain mapping, Risk MAP data deliverable development, and depth grid creation. He has helped in the development of processes to streamline the delineation of approximate BLE floodplains.		



<b>FIRM EMPLOYED BY:</b>		Freese and Nichols	
<b>Name</b>	Alanna Jajeh		<b>Year of Relevant Experience with this employer</b>
<b>Title</b>	Senior GIS Analyst		<b>Years of relevant experience with other employer(s)</b>
<b>Degree(s) / Years / Specialization</b>		MS / 2020 / Business; BS / 2019 / Geography Information Science and Technology	
<b>Active registration number / state / expiration date</b>		N/A	
<b>Year registered</b>	N/A	<b>Discipline</b>	GIS Analyst
<b>Contract role(s) / brief description of responsibilities</b>		Floodplain Mapping, Develop Firms, Flood Risk Products, Flood Risk Assessment	
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
07/20 – 05/25	<b>On-Call Services Harris County Flood Control District:</b> GIS Analyst. FNI is providing on-call services for the District that include assessment visits, engineering reports, technical memoranda, exhibits, H&H models, and coordination with other governmental agencies.		
05/20 – 12/24	<b>U520 Detention Basin Improvements, Harris County Flood Control District:</b> GIS Analyst: FNI developed a conceptual design report and construction plans and specifications for improvements to the U520 detention basin located on Dinner Creek, a tributary of Langham Creek. The project will reduce water surface elevations along Langham Creek and increase retention volume within the improved detention basin. The project included levee modeling and design.		
04/21 – 12/23	<b>2023 San Jacinto Regional Flood Plan, San Jacinto Region RFPG:</b> GIS Analyst: FNI assisted the County with gathering and analyzing data, identifying existing and future flood risks, evaluating floodplain management practices, and recommending 540 evaluations, strategies, and projects totaling more than \$33.7 billion to better understand and reduce flood risk. The study resulted in a regional flood plan made available for public and stakeholder review and input		
05/21 – 01/21	<b>2023 Region 4 Sabine Regional Flood Planning Group, Sabine River Authority of Texas:</b> GIS Analyst: FNI supported Region 4 with the development of its 2023 Regional Flood Plan. The project included gathering and analyzing data, identifying existing and future flood risks, evaluating floodplain management practices, and recommending evaluations, strategies, and projects intended to reduce flood risk.		
07/20 – 11/22	<b>Model and Map Management (M3) Program, Harris County Flood Control District:</b> GIS Analyst: FNI reviewed all floodplain studies submitted by engineering consultants and assisted with the review of local developer submittals for consistency and conformity with District criteria, as part of the District's M3 Program. FNI also provided a comprehensive technical review of LOMRs and CLOMRs on behalf of FEMA to confirm adherence to federal regulations and documentation requirements.		

<b>FIRM EMPLOYED BY:</b>		Freese and Nichols	
<b>Name</b>	Jim Kilnoski, GISP, CFM		<b>Year of Relevant Experience with this employer</b>
<b>Title</b>	Associate, Program Manager		<b>Years of relevant experience with other employer(s)</b>
<b>Degree(s) / Years / Specialization</b>		BS / 2007 / Geography	
<b>Active registration number / state / expiration date</b>		GISP No. 90228 / US / 12-25-2025; CFM No. US-23-12650 / US / 12-31-2025	
<b>Year registered</b>	2014	<b>Discipline</b>	GIS Analyst
<b>Contract role(s) / brief description of responsibilities</b>		Floodplain Mapping, Develop Firms, Flood Risk Products, Flood Risk Assessment	
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
09/22 – 05/25	<b>FEMA PTS Risk MAP Regional Production Task Orders, Federal Emergency Management Agency:</b> GIS Analyst. As a joint venture partner, FNI is providing architectural and engineering services under FEMA's Production and Technical Services contract. This includes efforts involving 2D modeling and engineering, flood risk product development, preliminary and post-preliminary production activities, and levee support.		
08/23 – 11/24	<b>Lower San Antonio Risk MAP FEMA CTP MAS 25, San Antonio River Authority, TX:</b> GIS Lead. FNI is performing hydrology and hydraulics, survey, and floodplain mapping data collection per FEMA's Guidelines and Standards for Flood Risk Analysis and Mapping Activities under the Risk MAP Program. The project incorporates updates based on Atlas 14 within select areas of the Lower San Antonio River watershed, including Tributary 348, Marcelinas Creek, Poth Creek, East Branch Poth Creek, Cabeza Creek, Hord Creek, and Manahuilla Creeks		
12/24 – 05/25	<b>Fiscal Year 24 Region 1 Production, FEMA Region 1:</b> Assistant Project Manager. As part of a joint venture, FNI is providing services, including H&H analysis and flood risk product development.		
10/23 – 05/25	<b>Region 5 Production, FEMA:</b> GIS Lead. As a JV partner, FNI is providing architectural and engineering services under FEMA's Production and Technical Services contract which includes generating/evaluating flood hazard and risk information and supporting the development and application of mitigation, planning, flood mapping and modeling activities.		
10/23 – 05/25	<b>Region 3 Production, FEMA:</b> GIS Lead: As a JV partner, FNI is providing 2-D modeling, floodplain mapping, FIRM database production and post-preliminary activities under FEMA's Production and Technical Services contract in support of the FY2022 FEMA Region 3 production efforts		

<b>FIRM EMPLOYED BY:</b>		Forte & Tablada	
<b>Name</b>	Chad Bacas, PE		<b>Year of Relevant Experience with this employer</b>
<b>Title</b>	Senior Vice President		<b>Years of relevant experience with other employer(s)</b>
<b>Degree(s) / Years / Specialization</b>		MBA / 2001 / Business Administration; BS / 1995 / Civil Engineering	
<b>Active registration number / state / expiration date</b>		PE No. 28786 / LA / 09-30-2025	
<b>Year registered</b>	PE: 2000	<b>Discipline</b>	Principal
<b>Contract role(s) / brief description of responsibilities</b>		Survey–Field Survey, Land Survey, Bathymetry	
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
07/20 - 12/24	<b>Louisiana Watershed Initiative Region 7/9 Modeling:</b> Senior Engineer for stakeholder engagement, concept project development, survey collection and data collection.		
05/17 – 05/19	<b>LA DOTD Cooperating Technical Partners Program–Amite River Basin Numerical Model:</b> Senior Engineer providing technical support for Data Collection and Survey including compliance with FEMA Guidelines and Standards.		
04/19 – 04/20	<b>LA DOTD Cooperating Technical Partners Program: West Feliciana Parish FEMA Study:</b> Senior Engineer supporting the surveying of drainage structures located in West Feliciana Parish in compliance with FEMA Guidelines and Standards to support HEC-RAS modeling.		
02/20 – 02/21	<b>LA DOTD Cooperating Technical Partners Program: Allen Parish FEMA Study:</b> Senior Engineer supporting the limited detail surveying of drainage structures located in Allen Parish in compliance with FEMA Guidelines and Standards to support HEC-RAS modeling.		
05/23 - 05/25	<b>St. John the Baptist Parish Comprehensive Stormwater Master Plan:</b> Senior Engineer leading the comprehensive review of existing floodplain and stormwater ordinances and codes including compliance with FEMA regulations 44 CFR §60.3. Development of policies for best practices and updates to existing codes. Recommendations for alignment of Master Plan with FEMA CRS Activities. Participation in public engagement including the presentation of Master Plan projects at public open houses.		
05/24 – 05/25	<b>Amite River Basin Commission Master Plan:</b> Senior Engineer. Lead engineer for district wide Stormwater Ordinance review and development of recommendations. Participated in community stakeholder engagement meetings and public open houses. Supported the comparison of LWI and effective FEMA Models and Flood Insurance Rate Maps and associated analytics using HEC-RAS and HEC-FIA results. Analysis of district wide FEMA CRS participation and alignment of Master Plan deliverables to support CRS activities.		
01/20 – 12/24	<b>West Colyell Creek Drainage Improvements, Livingston Parish, LA:</b> Engineer of record for the analysis and design of drainage improvements. This included detailed HEC-RAS modeling and submittal to FEMA through the MT CLOMR process.		
06/23 – 04/25	<b>Old Mill Settlement Roadway Improvements, Denham Springs, LA:</b> Engineer of Record for the raising of the road profile to improve the level of service from more frequent than a 1-year flood to a 10-year flood. Services included HEC-RAS modeling to demonstrate compliance with FEMA regulations 44 CFR §60.3(c) and local no-rise requirements.		
06/11- 05/16	<b>Wax Road Overlay and Drainage Improvements, Livingston Parish, LA:</b> Project Manager responsible for the Stage 0, Preliminary Scope, Budget Checklist, mill and overlay design, and Stage 3 for this project to improve a failed roadway.		

FIRM EMPLOYED BY:		Forte & Tablada		
Name	Brad Holleman, PLS, PE		Year of Relevant Experience with this employer	4
Title	Senior Vice President Survey and Advanced Measurements		Years of relevant experience with other employer(s)	18
Degree(s) / Years / Specialization		BSCE / 2009 / Civil Engineering		
Active registration number / state / expiration date		PE No. 0047165 / LA / 03-31-2027; PLS No. 0005082 / LA / 09-30-2026		
Year registered	2022/2012	Discipline	Surveyor	
Contract role(s) / brief description of responsibilities			Survey–Field Survey, Land Survey, Bathymetry	
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).			
07/20 – 12/24	LA DOTD Cooperating Technical Partners Program (Sub to Dewberry): Surveyor in Responsible Charge for data collection and hydrographic surveying for 8 HUC 8 watersheds in support of HEC-HMS, -RAS and FIA modeling. Tasks included cross-section survey, single- and multi-beam bathymetric survey, LiDAR scans of bridges, and data validation using FEMA Elevation Certificates.			
02/21 – 12/24	Louisiana Water Initiative Region 1 Modeling Contract (Sub): Surveyor in Responsible Charge for data collection and hydrographic surveying for multiple HUC 8 watersheds in support of HEC-HMS and HEC-RAS modeling. Tasks included cross-section survey, single- and multi-beam bathymetric survey, and LiDAR scans of bridges.			
5/24 – 5/25	Amite River Basin Commission Master Plan: Surveyor in Responsible Charge. Data collection and interpretation of historical plans and survey documents. Collection of survey cross sections, high-resolution bathymetric scans and traditional survey within the Amite River basin in support of HEC-RAS modeling. This included developing detailed 3D renderings of existing and design conditions (from plans) for the Amite River Diversion Canal Weir. This was used for both modeling and structural condition assessment.			
5/23 - 05/25	St. John the Baptist Parish Comprehensive Stormwater Master Plan: Surveyor in Responsible Charge for the survey of channels, canals, and stormwater infrastructure for HEC-RAS and PC-SWMM modeling in support of the comprehensive Master Plan.			
10/21 – 1/21	Damage Assessment Rapid Windshield Survey: Surveyor in Responsible Charge - Following Hurricane Ida on August 26, 2021, Forte and Tablada was contracted by Rostan Solutions, LLC to perform damage assessment surveys for FEMA in St. James Parish. Using GPS and a Ladybug 5 imaging system, Forte and Tablada conducted a 390-mile windshield survey, capturing georeferenced 360-degree imagery at one image per second. The imagery and GPS data were used by Rostan to identify and quantify debris and structural damage across the parish.			
03/13 – 04/13	FEMA Elevation Certificates for DEMCO Substations: Project Manager for data collection and completion of FEMA elevation certificate forms on 25 DEMCO substations. This project included data collection on structure finished floor elevations, adjacent grades and mechanical equipment in accordance with FEMA standards.			
05/11 – 05/11	FEMA Elevation Certificates for Entergy Substations: Project Manager for data collection and completion of FEMA elevation certificate forms on 8 Entergy substations. This project included data collection on structure finished floor elevations, adjacent grades, and mechanical equipment in accordance with FEMA standards.			

<b>FIRM EMPLOYED BY:</b>		Forte & Tablada	
<b>Name</b>	Tommy Lake		<b>Year of Relevant Experience with this employer</b>
<b>Title</b>	Senior Party Chief		<b>Years of relevant experience with other employer(s)</b>
<b>Degree(s) / Years / Specialization</b>		N/A	
<b>Active registration number / state / expiration date</b>		N/A	
<b>Year registered</b>	N/A	<b>Discipline</b>	Party Chief
<b>Contract role(s) / brief description of responsibilities</b>			Survey–Field Survey, Land Survey, Bathymetry
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
02/17 – Ongoing	<b>H.004273.5 – I-49 Connector, Lafayette Parish, LA – LA DOTD:</b> Senior Party Chief responsible for providing topographic, terrestrial LiDAR scanning, and property surveying services for the I-49 Connector. The project is in a dense urban area and is approximately 5 miles long.		
08/21 – 02/23	<b>Louisiana Watershed Initiative Region 7/9 Modeling Contract (sub to Dewberry):</b> Senior Party Chief for data collection and hydrographic surveying for 8 HUC 8 watersheds in support of HEC-HMS, -RAS and FIA modeling. Tasks included cross-section survey, single- and multi-beam bathymetric survey, LiDAR scans of bridges, and data validation using FEMA Elevation Certificates.		
1/23 – 12/23	<b>LA1 Intracoastal Bridge Replacement Port Allen, LA:</b> Party Chief for monitoring survey. Reestablish control from original contractor and created new control to monitor four bents on the LA1 Bridge. Established baseline for future monitoring of bridge by shooting elevations of footings and top of bent caps. Forte and Tablada was retained by LA DOTD to perform a bridge monitoring survey. Settlement occurred on several of the bridge piers and the department would like to have a more comprehensive understanding of the settlement and moving issues.		
10/21 – 1/21	<b>Damage Assessment Rapid Windshield Survey:</b> Senior Party Chief. Following Hurricane Ida on August 26, 2021, Forte and Tablada was contracted by Rostan Solutions, LLC to perform damage assessment surveys for FEMA in St. James Parish. Using GPS and a Ladybug 5 imaging system, Forte and Tablada conducted a 390-mile windshield survey, capturing georeferenced 360-degree imagery at one image per second. The imagery and GPS data were used by Rostan to identify and quantify debris and structural damage across the parish.		
05/21 – 12/22	<b>LA DOTD Contracts 4400010587 - Task Order 18; 4400015237- Task Order 1; 4400021974 - Task Orders 1, 3, and 4 - H.003931- Calcasieu River Bridge (HBI), Calcasieu Parish, LA:</b> Senior Party Chief for this project providing topographic survey, Mobile and Terrestrial LiDAR, Multibeam Hydrographic survey of Lake Charles, and drainage mapping. This Survey included four Phases of work, which were completed within a condensed timeline, requiring up to 6 Survey Crews being mobilized in order to meet deadlines for each Phase.		
10/18 – 02/19	<b>LA DOTD Contract 4400010587 - Task Orders 2, 3, 4, 5, and 10 - H.012343 Sunshine Bridge Repair, St. James Parish, LA:</b> Senior Party Chief for establishing survey control on and near the Sunshine Bridge to use conventional and terrestrial LiDAR scanning methods to monitor the damage on the bridge. Post-construction as-builts and profiles of the damaged area of the bridge were also provided.		
11/18 – 03/19 01/21 – 02/21 12/22 – 04/23	<b>LA DOTD Contracts 4400010587 - Task Orders 1 and 16; 4400021974 - Task Order 5 - H.011684- LA 327 Spur: Staring Lane Extension, East Baton Rouge Parish, LA:</b> Senior Party Chief for a topographic survey, terrestrial LiDAR, and drainage map for this project, being approximately 1.5 miles long, in between the intersections of La 42 (Burbank Dr.) and Staring Ln. and La 327 (Gardere Ln.) and La 30. The purpose of the project is to create a connecting route from Gardere to the intersection of LA 42 and Staring Ln.		

FIRM EMPLOYED BY:		Forte & Tablada		
Name	Trent Iglehart		Year of Relevant Experience with this employer	1.5
Title	Senior CAD Technician		Years of relevant experience with other employer(s)	26
Degree(s) / Years / Specialization		OSHA Basic Training; ATSSA Traffic Control Certification; US Coast Guard / NASBLA Boating Safety Certification; Federal Aviation Administration Remote Pilot Certification; First Aid / CPR / AED / BBP Certified; Transportation Worker Identification Credential		
Active registration number / state / expiration date		4227009 / 06/27/2026		
Year registered	PE: 2000	Discipline	Senior CAD Technician	
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).			
05/22 - Ongoing	Amite River Basin Commission Master Plan: Topographic and Hydrographic Survey Lead as the professional land surveying subconsultant under Dewberry providing comprehensive land surveying services. The goal of the scope of work is to provide Dewberry with detailed survey data on the Amite River, including a survey of the weir. The two main components necessary to understand the impacts of the Amite River include historical cross-sections of the river, and current conditions, which are determined by performing single-beam and multi-beam hydrographic surveys. Historical bathymetric data is digitized and modernized to allow for accurate comparisons with the current data. Sediment samples were also collected for further analysis to assess the riverbed’s composition and stability.			
06/23 - 08/23	LA DOTD Underwater Acoustic Imaging - LA 14 Over Delcambre Canal Hydrographic Survey, Iberia Parish, LA: Technician for the area around the LA-14 Bridge over Delcambre Canal. The work included typical cross-sections, and water bottom features below waterline were collected using multi-beam and single beam sonar equipment. Terrestrial LiDAR was used to capture the above water surface.			
01/22 - 12/22	4400019715 LADOTD IDIQ for Hydrographic Survey, Statewide, LA: Survey Technician for hydrographic survey task orders on the Mississippi River (I-10 at Baton Rouge, Sunshine, Gramercy, Huey Long, and Crescent City Connection), Atchafalaya River (Krotz Springs EB and WB), Pearl River, and Pass Manchac at I-55.			
01/17 - 12/17	IDIQ A&E Contract for Survey Engineering, Mapping, and Related Services, Vicksburg & Memphis COE Districts: CADD Technician for contract #W912EE-14-D-0002. Services under this contract included Topographic, Hydrographic Surveys, I&E Monitoring Surveys, Geodetic Control Surveys, and Boundary Surveys.			
07/17 - 07/22	Contract No. 4400010586: LA DOTD - Retainer Contract for Surveying Services - Statewide, LA: CADD Technician that contributed to multiple projects including topographic surveying and CAD drafting for H.012591 I-10 Paris Rd Lake Pontchartrain in Orleans Parish, H.011670 I-10 Loyola Interchange Improvements, H.012735 LA 182 Barrow St. Bridge, H.005121 I-10 to LA 1 Connector, H.001344 US 190 - LA 437 to US 190 Phase 1, H.010652 LA 73/US 61 (Airline) - Essen Lane, H.000284.5 US 90 Pearl River Bridges HBI, H.000688 US 11 Norfolk Southern Railroad, H.009489 Jefferson Highway Overpass, H.010885 LA 91 Bayou Plaquemine Brule Bridge Replacement (including hydrographic survey), H.009300 Hooper Road Widening, H.012851 UP RR Corridor (Plaquemine), and H.012041.5 LA 109 Gully Bridge.			
01/11 - 12/11	IDT Contract – A&E Contract for Surveying Support Services for the Vicksburg District COE, Contract #W912EE-07-D-0004: CADD Technician that managed 26 task orders involving survey work under a contract that included NLD profile/topo surveys along 1,750 miles of federal levee systems within the Vicksburg District. Services provided under this contract included topographic, hydrographic, I&E monitoring, geodetic control, and boundary surveys.			
01/09 - 12/09	IDT Contract – A&E Contract for Surveying Support Services for the Vicksburg District COE, Contract #W912EE-05-D-0003: CAD Technician responsible for construction-related surveys for the Vicksburg Vidalia Area Office. The project managed 32 task orders under a contract that included the Mississippi River Height Modernization project. Conducted hydrographic surveys such as the Mississippi River Comprehensive Survey and an emergency survey along the Pearl River.			



<b>FIRM EMPLOYED BY:</b>		Forte & Tablada	
<b>Name</b>	Joey Coco, PE	<b>Year of Relevant Experience with this employer</b>	11
<b>Title</b>	CEO/President	<b>Years of relevant experience with other employer(s)</b>	13
<b>Degree(s) / Years / Specialization</b>		BSCE / 2000 / Civil Engineering; MBA / 2006 / Coastal Engineering Certificate	
<b>Active registration number / state / expiration date</b>		PE No. 31337 / LA / 09-30-2026	
<b>Year registered</b>	2004	<b>Discipline</b>	Principal
<b>Contract role(s) / brief description of responsibilities</b>		Survey-Field Survey, Land Survey, Bathymetry	
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
07/20 – 12/24	<b>Louisiana Watershed Initiative Region 7/9 Modeling Contract:</b> Principal-in-Charge/Subject Matter Expert for hydrographic surveying for 8 HUC 8 watersheds in support of HEC-HMS, -RAS and FIA modeling. Tasks included cross-section survey, single- and multi-beam bathymetric survey, LiDAR scans of bridges, and data validation using FEMA Elevation Certificates.		
5/17 – 05/21	<b>LA DOTD Cooperating Technical Partners Program-Amite River Basin Numerical Model:</b> Principal-in-Charge/Subject Matter Expert for hydrographic surveying of the Amite and Comite Rivers in support of HEC-RAS modeling. Tasks included cross-section survey of these rivers, as well as detailed 3-D bathymetric data collected with sonar equipment and ground control for LIDAR. LiDAR scans were also used for bridge surveys. Data was developed in compliance with FEMA Guidelines and Standards.		
6/19 – 05/21	<b>LA DOTD Cooperating Technical Partners Program: West Feliciana Parish FEMA Study:</b> Principal-in-Charge for surveying of drainage structures located in West Feliciana Parish in compliance with FEMA Guidelines and Standards to support HEC-RAS modeling.		
2/20 – 05/21	<b>LA DOTD Cooperating Technical Partners Program: Allen Parish FEMA Study:</b> Principal-in-Charge for limited detail surveying of drainage structures located in Allen Parish in compliance with FEMA Guidelines and Standards to support HEC-RAS modeling.		
5/24 – 5/25	<b>Amite River Basin Commission Master Plan:</b> Principal-in-Charge/Subject Matter Expert. Services included Data collection, Floodplain and Stormwater Ordinance review and recommendations, comparisons of LWI and effective FEMA Models and Flood Insurance Rate Maps, and collection of high-resolution bathymetric scans and traditional survey within the Amite River basin.		
5/23 - 05/25	<b>St. John the Baptist Parish Comprehensive Stormwater Master Plan:</b> Principal in charge for the comprehensive review of existing floodplain and stormwater ordinances and codes including compliance with FEMA regulations 44 CFR §60.3. Development of policies for best practices and updates to existing codes. Recommendations for alignment of Master Plan with FEMA CRS Activities.		
10/18 – 8/22	<b>East Baton Rouge Stormwater Masterplan:</b> Principal-in-Charge for hydrographic surveying of bayous and creeks located within East Baton Rouge Parish for the EBR Stormwater Masterplan. The work consisted of establishing cross-sections and stream bed profiles along their length.		
8/14 – 8/20	<b>H.004273.5 I-49 Connector – Lafayette Parish, LA – LA DOTD.:</b> Project Manager responsible for providing topographic surveying services for the I-49 Connector. The project is in a dense urban area and is approximately 5 miles long. Forte and Tablada, Inc. completed laser scanning services for much of the congested corridor to obtaining topographic data without endangering surveyors.		

<b>FIRM EMPLOYED BY:</b>		Dewberry Engineers Inc.	
<b>Name</b>	Katie Gronsky	<b>Year of Relevant Experience with this employer</b>	4
<b>Title</b>	Senior Resilience Planner	<b>Years of relevant experience with other employer(s)</b>	10
<b>Degree(s) / Years / Specialization</b>		MS / 2015 / Urban Environmental Planning; BS / 2011 / Community Health and Preventative Medicine	
<b>Active registration number / state / expiration date</b>		N/A	
<b>Year registered</b>	N/A	<b>Discipline</b>	Planner and Outreach SME, Mitigation Planning
<b>Contract role(s) / brief description of responsibilities</b>		Risk Map Outreach and Communications	
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
09/22 - Ongoing	<b>FEMA Region 8 Risk MAP Production and Technical Services Contract, STARR II Joint Venture:</b> Katie is an Outreach Lead who works with communities and FEMA to prepare for meetings so city leaders can review preliminary Flood Insurance Rate Maps, ask questions, and learn about their corresponding responsibilities. Subsequently works with community leaders as a consultation coordination officer to notify the public about flood map changes via public open house meetings and outreach materials. Meetings span all preliminary maps published in counties of Colorado, Utah, Wyoming, Montana, South Dakota, and North Dakota.		
08/24 - Ongoing	<b>State of Colorado Water Conservation Board Statewide Cooperating Technical Partners Program:</b> Outreach Manager. Responsible for standardization of all materials for Risk MAP meetings for all meeting milestones. Works with all communities in Colorado to ensure training for delivery of BLE data is custom for their needs. Ensures timely delivery of Discovery materials to communities. Creates templates and resources for the state and the Region. Leads Mitigation Technical Assistance efforts in Colorado.		
04/21 - Ongoing	<b>FEMA HMTAP:</b> Brought together key stakeholders and senior management to define strategy objectives, gather stakeholder input, and develop resources and tools that help achieve ambitious strategic outcomes. Stood up and facilitated regular contributor sessions with FEMA staff from across Headquarter Directorates and FEMA Regions.		
04/21 - 04/22	<b>Federal Insurance and Mitigation Administration's 2021-2023 Strategic Intention:</b> Brought together key stakeholders and senior management to define strategy objectives, gather stakeholder input, and develop resources and tools that help achieve ambitious strategic outcomes. Stood up and facilitated regular contributor sessions with FEMA staff from across Headquarter Directorates and FEMA Regions.		
04/21 - 10/22	<b>Hazard Mitigation Assistance Division Equity Action Plan:</b> Developed project management systems to regularly assess progress, barriers, and alignment opportunities around Hazard Mitigation Assistance Division Equity Action Plan efforts. To enable staff to lead these new equity efforts, she also conceptualized and developed an initial equity capacity building resource for all Hazard Mitigation Assistance staff. These were developed by engaging with Equity Action Leads to gather insights and synthesize key themes and needs.		
04/21 - 10/23	<b>Floodcast, National Cooperative Highway Research Program:</b> Recruited 11 State Department of Transportation (DOTs) to partner on the Floodcast project, which better understands how State DOTs use floodcasting capabilities to plan for and respond to flooding at highway assets. To inform the final research product, designed for gathering ongoing feedback and experiences using a floodcasting capability.		

<b>FIRM EMPLOYED BY:</b>		Dewberry Engineers Inc.	
<b>Name</b>	Erin Kyle, CFM	<b>Year of Relevant Experience with this employer</b>	2
<b>Title</b>	GIS Professional II	<b>Years of relevant experience with other employer(s)</b>	0
<b>Degree(s) / Years / Specialization</b>		BS / 2022 / Environmental Studies	
<b>Active registration number / state / expiration date</b>		CFM No. US-24-13136 / US / 07-31-2026	
<b>Year registered</b>	CFM: 2024	<b>Discipline</b>	Graphic Artist/GIS Analyst
<b>Contract role(s) / brief description of responsibilities</b>		Risk Map Outreach and Communications	
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
06/22 - Ongoing	<b>State of Georgia Department of Natural Resources Cooperating Technical Partners Program:</b> Dewberry has supported the Georgia Department of Natural Resources' (DNR) Map Modernization and Risk MAP programs continually since FY08. This has included deploying Risk MAP to a population of 2 million, a year before Risk MAP was fully implemented by FEMA. Dewberry has provided full Program Management support, including the development of business plans and mapping activity statements (MAS); administration of FEMA's MIP platform and Earned Value Management support for hundreds of Risk MAP purchases; and the evaluation and development of project scopes through Discovery processes. As part of our efforts, Dewberry has been responsible for modeling/ mapping over 90% of Georgia's study inventory, including over 26,000 stream miles of regulatory analysis and well over 24,000 stream miles of Base Level Engineering (BLE) analysis.		
02/25 - Ongoing	<b>State of North Carolina Cooperating Technical Partners Program:</b> Dewberry has provided programmatic support since the inception of NCFMP. Services have included building a tailored workflow process, conceptualizing outreach strategies, designing public websites, advising the NCFMP on program issues (including preparing over 70 issue papers), and developing scheduling tools. Dewberry collaborated with the NCFMP, the North Carolina Geodetic Survey, and FEMA to develop LiDAR specifications to use for the state's mapping program.		
11/22 - Ongoing	<b>Suwannee River Water Management District, Cooperating Technical Partnership (CTP) Risk MAP Program:</b> In support of the SRWMD's CTP with FEMA, Dewberry is providing full Risk MAP project support for the Aucilla and Alapaha Watersheds. This project focuses on updating flood hazard analysis and regulatory flood mapping products for select stream reaches in Madison, Jefferson, and Hamilton Counties. Dewberry's support on this project, including utilizing HEC-RAS modeling techniques to conduct over 350 square miles of 2-D approximate analysis, GIS data collection, formatting, and database development; LiDAR-based terrain processing; capture of hydraulic structure surveys; 1D and 2D riverine modeling and mapping; compilation of Flood Insurance Rate Maps and Flood Insurance Study Reports; development of Flood Risk Assessment and Loss Estimation products; Post Preliminary Due-Process Coordination; and Community Outreach.		
02/24 - Ongoing	<b>Louisiana Watershed Initiative Region 7 Modeling:</b> Dewberry is currently developing watershed-wide hydrologic and hydraulic modeling for 521 stream miles within the Tangipahoa watershed as part of the Louisiana Watershed Initiative (LWI) Region 7 contract. A tiered resolution approach was used to meet the challenges of the unique hydraulic conditions throughout the watershed and to provide three tiers of detail commensurate with the differing levels of flood risk. Modeling was conducted using HEC-HMS for hydrologic modeling, HEC-RAS for unsteady, coupled 1-D/2-D hydraulic modeling and several proprietary toolsets developed to assist in model construction and parameter estimation, and improve efficiencies.		

<b>FIRM EMPLOYED BY:</b>		Dewberry Engineers Inc.	
<b>Name</b>	Isabel Rogers, CFM		<b>Year of Relevant Experience with this employer</b>
<b>Title</b>	GIS Professional II		<b>Years of relevant experience with other employer(s)</b>
<b>Degree(s) / Years / Specialization</b>		BA / 2021 / Geography	
<b>Active registration number / state / expiration date</b>		CFM No. US-23-13040 / GA / 01-31-2026	
<b>Year registered</b>	CFM: 2024	<b>Discipline</b>	GIS Analyst
<b>Contract role(s) / brief description of responsibilities</b>			Risk Map Outreach and Communications
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
11/21 - Ongoing	<b>State of Georgia Department of Natural Resources Cooperating Technical Partners Program:</b> Dewberry has supported the Georgia Department of Natural Resources' (DNR) Map Modernization and Risk MAP programs continually since FY08. This has included deploying Risk MAP to a population of 2 million, a year before Risk MAP was fully implemented by FEMA. Dewberry has provided full Program Management support, including the development of business plans and mapping activity statements (MAS); administration of FEMA's MIP platform and Earned Value Management support for hundreds of Risk MAP purchases; and the evaluation and development of project scopes through Discovery processes. As part of our efforts, Dewberry has been responsible for modeling/ mapping over 90% of Georgia's study inventory, including over 26,000 stream miles of regulatory analysis and well over 24,000 stream miles of Base Level Engineering (BLE) analysis.		
05/21 - Ongoing	<b>Northwest Florida Water Management District Cooperating Technical Partners Program:</b> Dewberry has continuously supported the District's Flood MAP Program since 2004, providing map modernization and Risk MAP services throughout its 16-county jurisdiction. Dewberry's experience on the District's projects has included scoping, Discovery, riverine modeling, coastal analyses, DFIRM/FIS production, Risk MAP product development, post-preliminary processing, FIRM database development, MIP reporting, CNMS validation evaluations and outreach and website development activities.		
08/21 - 06/23	<b>FEMA Response Geospatial Office Option 1 Year 1:</b> After Hurricane Ida, FEMA contracted Dewberry to produce geospatial damage assessments (GDAs) needed by federal, state, and local emergency responders to make critical decisions regarding resource allocation during recovery and rebuilding efforts. Immediately after any natural disaster, emergency responders must quickly prioritize where to send field teams, identify shelter locations; determine the quantity, and distribution location of commodities, such as potable water; estimate debris impacts, expedite assistance to disaster survivors, and identify mitigation projects. They are dependent on GDAs which categorize severity of damage to structures in a disaster area by integrating geospatial and event-specific data. Because Dewberry was able to implement the use of machine learning to perform GDAs we successfully delivered this critical information in record time allowing our client to save money and lives.		
09/21 - Ongoing	<b>Louisiana Watershed Initiative Region 7 Modeling:</b> Dewberry is currently developing watershed-wide hydrologic and hydraulic modeling for 521 stream miles within the Tangipahoa watershed as part of the Louisiana Watershed Initiative (LWI) Region 7 contract. A tiered resolution approach was used to meet the challenges of the unique hydraulic conditions throughout the watershed and to provide three tiers of detail commensurate with the differing levels of flood risk. Modeling was conducted using HEC-HMS for hydrologic modeling, HEC-RAS for unsteady, coupled 1-D/2-D hydraulic modeling and several proprietary toolsets developed to assist in model construction and parameter estimation, and improve efficiencies.		

<b>FIRM EMPLOYED BY:</b>		Dewberry Engineers Inc.	
<b>Name</b>	Zachary Srodulski	<b>Year of Relevant Experience with this employer</b>	3
<b>Title</b>	GIS Professional II	<b>Years of relevant experience with other employer(s)</b>	1
<b>Degree(s) / Years / Specialization</b>		BA / 2019 / Geographic Science	
<b>Active registration number / state / expiration date</b>		N/A	
<b>Year registered</b>	N/A	<b>Discipline</b>	GIS Analyst
<b>Contract role(s) / brief description of responsibilities</b>		Risk Map Outreach and Communications	
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
05/22 - Ongoing	<p><b>State of Georgia Department of Natural Resources Cooperating Technical Partners Program:</b> Zachary has supported the development of regulatory Risk MAP products for 9 Watershed Project areas in Georgia. His responsibilities include a variety of geospatial analytical tasks including floodplain data development, performing flood risk assessments, verifying technical accuracy of FIRM deliverables and associated reports, and creation of graphics and other forms of visualizations from project outputs. For multiple counties in Georgia, Zachary has assisted with various production activities for ongoing GA DNR Projects, including data acquisition, floodplain mapping, database maintenance, FIS and FIRM production, Post Preliminary processes, Flood Risk product development, and the creation of tools used to streamline processing. For the Lower Flint Watershed, he played a key role in developing a tie-in workflow for 1D and 2D riverine studies for the purpose of creating flood risk products that meet FEMA's technical standards. In addition, he has prepared and guided Flood Risk Open House activities for communities in the Withlacoochee and Lower Flint Watersheds, which included preparing individual property notifications, configuring outreach websites, and coordinating community member engagement with the State officials, FEMA, Mapping Partners, and other Subject Matter Experts prior to initiating due process. Zachary has also prepared BLE Hydraulic DCS deliverables and Flood Risk Products (including water surface elevations grids, depth grids, freeboard grids, and probability grids) for 7 additional watersheds in Georgia. As part of his support for BLE data development, Zachary implemented a QC workflow and developed tools for ensuring data accuracy.</p>		
05/23 - Ongoing	<p><b>Northwest Florida Water Management District Cooperating Technical Partners Program:</b> Zachary has supported the validation and maintenance of FEMA's Coordinated Needs Management System (CNMS) database for multiple counties in Georgia and Florida, which identifies and tracks the lifecycle of project status and mapping needs for FEMA's flood hazard mapping program. As part of this, Zachary maintains two statewide CNMS dashboards for Georgia and Florida. These interactive web-based map viewers support state Risk MAP Programs with visually assessing FEMA's flood study inventory and corresponding stream based statistics.</p>		
05/23 - Ongoing	<p><b>Northwest Florida Water Management District CTP Risk Map Program FY13 &amp; 23, GIS and Risk MAP Support:</b> Zachary is currently supporting Discovery efforts for the Apalachee Bay-St. Marks Watershed. His support for this watershed has included compiling historic and current data; coordinating with local officials to identify needs and develop a scope for restudy; preparing outreach materials for Discovery Meetings; and creating final deliverables for FEMA Region IV. In addition to this Discovery efforts, Zachary has supported the development of regulatory Risk MAP products for multiple counties, including the creation of FIRM Databases, development of Preliminary products; reviewing and authoring reports; and supporting Post Preliminary activities.</p>		
10/24 - Ongoing	<p><b>Suwannee River Water Management District, Cooperating Technical Partnership (CTP) Risk MAP Program:</b> In support of the SRWMD's CTP with FEMA, Dewberry is providing full Risk MAP project support for the Aucilla and Alapaha Watersheds. This project focuses on updating flood hazard analysis and regulatory flood mapping products for select stream reaches in Madison, Jefferson, and Hamilton Counties. Dewberry's support on this project, including utilizing HEC-RAS modeling techniques to conduct over 350 square miles of 2-D approximate analysis, GIS data collection, formatting, and database development; LiDAR-based terrain processing; capture of hydraulic structure surveys; 1D and 2D riverine modeling and mapping; compilation of Flood Insurance Rate Maps and Flood Insurance Study Reports; development of Flood Risk Assessment and Loss Estimation products; Post Preliminary Due-Process Coordination; and Community Outreach.</p>		

<b>FIRM EMPLOYED BY:</b>		Dewberry Engineers Inc.	
<b>Name</b>	David Sutley, PE	<b>Year of Relevant Experience with this employer</b>	5
<b>Title</b>	Senior Associate, Senior Project Manager	<b>Years of relevant experience with other employer(s)</b>	15
<b>Degree(s) / Years / Specialization</b>		MSCE / 2005 / Civil Engineering ; BSCE / 2003 / Civil Engineering	
<b>Active registration number / state / expiration date</b>		PE No. PE.0043373 / CO / 10-31-2025; PE No. PE-28564 / ND / 13-31-2026	
<b>Year registered</b>	PE: 2009	<b>Discipline</b>	Supervisor–Other/Engineer–Other
<b>Contract role(s) / brief description of responsibilities</b>		Risk Map Outreach and Communications	
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
09/22 - Ongoing	<b>FEMA Region 8 Risk MAP Production and Technical Services Contract, STARR II Joint Venture:</b> As part of the STARR II Joint Venture, Dewberry is a primary partner supporting the new FEMA Professional Technical Services contract for the Western Regions 8, 9, and 10. In Region 8, David is responsible for managing and staffing the Regional Support Center (RSC). The primary objective of the RSC is to support and assist the Regional Risk Analysis Branch deliver the Risk MAP program. STARR II is currently providing Regional assistance on policies, standards, and procedures that may affect current or planned Risk MAP projects; assisting with production monitoring by providing support in data collection efforts on map production and non-regulatory product development; and providing technical support to CTPs for ongoing Risk MAP projects to facilitate timely processing. Levee certification 44 CFR 65.10 SME, LAMP lead working to facilitate process with communities and FEMA.		
10/19 - 09/20	<b>National Flood Insurance Program (NFIP) Customer Communications Contract:</b> David is supporting the Federal Insurance and Mitigation Administration’s goals of creating awareness of flood risk and insurance products. He served as a Research & Analytics project manager to deliver customer communications strategies to support the expansion of the National Flood Insurance Program. He managed the deployment of focused, micro-targeting strategies to increase policyholder retention and acquire new policyholders during times when customers are most likely to act. David focused on capturing and disseminating findings and insights for regional campaigns including support for the Region VIII snowmelt campaign in North Dakota and the Region X Atmospheric River Campaign.		
10/19 - 08/20	<b>Scaling 2D Base Level Engineering (BLE) to Probabilistic:</b> David managed a FEMA Headquarters project to evaluate how existing 2D BLE datasets in the Amite Watershed near Baton Rouge, LA could be leveraged and enhanced to support the transition from delivering binary to delivering graduated flood hazard and risk data. David’s team demonstrated how 2D BLE can continue to support the current NFIP and be integrated into the program’s future by recommending probabilistic elements that should be included in 2D modeling purchases to ensure the product purchased today provides long-term utility.		
06/23 - 07/24	<b>Future of Flood Risk Data (FFRD) Standard Operations Task Order:</b> David oversaw on schedule and within budget deliverables for FFRD Mitigation across the joint venture firms and all other FFRD program areas for Dewberry (i.e., floodplain management, disaster response/recovery and building science). Worked with team of six disaster SMEs to develop use cases using probabilistic flood data to enhance disaster mitigation grant delivery, BCA/project identification, and mitigation investment tracking. Led presentation to FEMA HQ on using probabilistic data to advance the mitigation mission nationally.		
12/20 - Ongoing	<b>Hydromet Services Colorado Water Conservation Board:</b> Flood forecasting support: providing a daily Flood Threat Bulletin that discusses the flood risks across the state, using the latest ensemble-based high-resolution weather model guidance to help our forecasters prepare the best flood forecast on the market. Dewberry’s forecasts provide CO with four areas of information regarding the potential flooding threat: location, intensity, confidence, and timing.		



<b>FIRM EMPLOYED BY:</b>		Freese and Nichols	
<b>Name</b>	Mark Pauls, PE, CFM		<b>Year of Relevant Experience with this employer</b>
<b>Title</b>	Associate, Project Manager		<b>Years of relevant experience with other employer(s)</b>
<b>Degree(s) / Years / Specialization</b>		MS / 2014 / Civil Engineering; BS / 2014 / Civil Engineering	
<b>Active registration number / state / expiration date</b>		PE No. 127938 / TX / 6-30-2025; CFM No. 3163-16N / US / 12-31-25	
<b>Year registered</b>	2017	<b>Discipline</b>	Supervisor–Other
<b>Contract role(s) / brief description of responsibilities</b>			Risk Map Outreach and Communications
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
02/19 – 12/21	<b>MAAPnext Flood Risk Analyses and Mapping, Harris County Flood Control District:</b> Task Leader: FNI completed modeling and mapping activities for the Addicks Reservoir and Cypress Creek watersheds, including the watershed-scale HEC-HMS and unsteady 1D/2D HEC-RAS models with a combined footprint of 503 square miles and 286 stream miles. The study areas involved numerous complexities, such as overflows between watersheds, rapid development, dams and a levee. FNI applied novel approaches and methodologies that will serve as a template for future Risk MAP projects nationally. Mark was the technical lead for modeling and mapping, developing processes and tools to support the large production team. The standardized processes and piece-wise quality review checks helped confirm consistent and high-quality model and mapping deliverables.		
07/12 – 12/17	<b>Upper Langham Creek Frontier Program, Harris County Flood Control District:</b> H&H Engineer: FNI provided program management for the Upper Langham Creek Frontier Program, proactively planning and designing drainage infrastructure, stormwater quality treatment and multiuse space in anticipation of future development in a rapidly growing area. FNI provided H&H management in conjunction with natural channel and water quality feature design services within the watershed.		
07/21 – 06/23	<b>Urban Flood Risk Pilot Study, Walter P. Moore:</b> Project Manager: Harris County Flood Control District (HCFCD) was selected by FEMA for one of two nationwide pilot studies to develop novel urban flood risk modeling and risk communication approaches. FNI conducted a study that evaluated deterministic and probabilistic modeling techniques to identify recommended approaches to improve understanding of risks outside of the riverine floodplain. New flood risk products and communications approaches were developed to improve how information is conveyed to practitioners and the community. Mark also served as Technical Lead, leading the development of the deterministic modeling approach, which was able to replicate the results from traditional detailed studies at a fraction of the cost. He also supported development of novel flood risk communications products, including overseeing the development of a web-based interactive tool and other public communications materials.		

<b>FIRM EMPLOYED BY:</b>		La Terre	
<b>Name</b>	Lyle Tynes, EI	<b>Year of Relevant Experience with this employer</b>	4
<b>Title</b>	Civil Engineer	<b>Years of relevant experience with other employer(s)</b>	.5
<b>Degree(s) / Years / Specialization</b>		BS / 2020 / Civil Engineering	
<b>Active registration number / state / expiration date</b>		EI No. 35128 / LA / 09-30-2026	
<b>Year registered</b>	EI: 2022	<b>Discipline</b>	Engineer
<b>Contract role(s) / brief description of responsibilities</b>		Risk Map Outreach and Communications	
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
05/24 - 05/25	<b>Amite River Basin Commission Master Plan:</b> Senior Engineer. Working as a sub to Dewberry, Lyle provided support communicating flood risk and mitigation projects to local stakeholders including local officials, elected officials, and the public. Additionally, he provided concept design services and construction cost estimates for flood risk reduction projects.		
2/23 - Ongoing	<b>Grand Bayou Freshwater Reintroduction Project: Baton Rouge, LA. Project Engineer:</b> Lyle prepared HEC RAS models and performed scour analysis for an existing LADOTD Bridge for various flow scenarios for the proposed freshwater reintroduction pump station.		
9/22 - Ongoing	<b>Adapt -Ascension Drainage Assistance Program Team: Baton Rouge, LA. Project Engineer:</b> Lyle is part of the program management team for Ascension Parish and his responsibilities include overseeing the quality of construction documents, coordinating and documentation for the parish, interface with the end users and other stakeholders as required by Ascension Parish and the program management team.		
8/22 – Ongoing	<b>Louisiana Watershed Initiative La 22 Gapping Project: Maurepas, LA. Project Engineer:</b> Lyle is part of the grant administration team for the project and his responsibilities include construction administration assistance, site inspections, review of contractor invoices and construction monitoring for the LA 22 gapping project.		
10/21 – 8/23	<b>Steep Bayou Watershed Flood Prevention Plan: Rayville, LA. Project Engineer:</b> Lyle was responsible for the hydrologic and hydraulic modeling of Steep Bayou using HEC-RAS for the NRCS Watershed flood prevention plan. He is leading alternative analysis efforts and is responsible for preparing probable opinions of construction cost and benefit cost analysis for each alternative.		
8/21 - 12/22	<b>Movebr Capacity Management Program: Baton Rouge, LA. Project Engineer:</b> Lyle provided drafting and permit drawing support for required USACE permitting for roadway improvement projects as part of the capacity management program for the City of Baton Rouge's MoveBR Capacity Program.		
2/22 - 2/24	<b>Louisiana Watershed Initiative White Castle Canal Drainage Improvements: White Castle, LA. Project Engineer:</b> Lyle was responsible for the preparation of preliminary and final construction documents for channel improvements for the White Castle Canal.		
8/23 – Ongoing	<b>Louisiana Watershed Initiative Town Of Maringouin Improvements: Maringouin, LA. Project Engineer:</b> Lyle is responsible for the preparation of preliminary and final construction documents for roadside drainage improvements for the Town of Maringouin Drainage Improvements project. His responsibilities include preparation of construction documents for roadside open channel and subsurface drainage systems, cost estimates, bidding and construction documents.		
02/24 - Ongoing	<b>Ward Creek at Siegen Lane Channel Improvements: Engineering Technician:</b> Lyle is assisting in the preparation of construction documents for channel improvements for Ward Creek in Baton Rouge, Louisiana. His responsibilities also include preparation of permits and permit figures.		

<b>FIRM EMPLOYED BY:</b>		La Terre	
<b>Name</b>	Roman Hundley		<b>Year of Relevant Experience with this employer</b>
<b>Title</b>	Engineering Technician		<b>Years of relevant experience with other employer(s)</b>
<b>Degree(s) / Years / Specialization</b>		BS / 2020 / Biological Engineering	
<b>Active registration number / state / expiration date</b>		N/A	
<b>Year registered</b>	N/A	<b>Discipline</b>	Engineer Intern
<b>Contract role(s) / brief description of responsibilities</b>			Risk Map Outreach and Communications
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
5/24 – Ongoing	<b>Brec Multiple Park Paving Project: Baton Rouge, LA. Engineering Technician:</b> Roman assisted in the preparation of construction documents for the pavement rehabilitation at three BREC facilities, including the Lovett Road park entrance drive and parking, the Howell Community Park access drive and the Anna T. Jordan access road and parking areas. His responsibilities include civil engineering design, plan preparation and cost estimates.		
8/23 – Ongoing	<b>Louisiana Watershed Initiative Town Of Maringouin Improvements: Maringouin, LA. Engineering Technician:</b> Roman assisted in the preparation of preliminary and final construction documents for drainage improvements for the Town of Maringouin Drainage Improvements project. His responsibilities include preparation of cost estimates, bidding and construction documents.		
3/24– Ongoing	<b>Baton Rouge Metropolitan Airport Taxiway F Reconstruction: Baton Rouge, LA. Engineering Technician:</b> Roman is assisting in the drainage improvements required for the Baton Rouge Metropolitan Airport Taxiway F Reconstruction project. The project will widen and reconstruct the existing segment of Taxiway F and includes subsurface drainage improvements. The drainage design will be analyzed as per FAA AC 150/5320-5D Airport Drainage Design.		
8/23 - 2/24	<b>Louisiana Watershed Initiative White Castle Canal Drainage Improvements: Baton Rouge, LA. Engineering Technician:</b> Roman was responsible for the construction administration phase of the project. His responsibilities include biweekly site visits, review and approval of pay applications, engineering during construction and project closeout.		
1/23 – Ongoing	<b>Sharp Road (Florida Blvd To Old Hammond Hwy): Baton Rouge, La. Engineering Technician:</b> Roman is supporting roadway design for the project, including existing and proposed drainage maps, subsurface drainage design and preparation of preliminary and final plans, including typical sections for enhancements for pedestrian and bicycle users.		
08/23 - Ongoing	<b>Diamond D Industries General Engineering Services: Statewide, La. Engineering Technician:</b> Roman is assisting with the preparation of civil construction documents and drainage impact studies for multiple laydown yards throughout the state for Diamond D Industries. In addition he is providing traffic permitting and stakeholder coordination on behalf of Diamond D Industries and Entergy Louisiana with multiple LADOTD Districts and local governments throughout Louisiana, including coordinating schedules, providing proper notifications, preparing plans and permits for laydown yards, access and road closure permitting, temporary traffic controls.		

<b>FIRM EMPLOYED BY:</b>		Dewberry Engineers Inc.	
<b>Name</b>	Elaine Montes, CFM, LEED Green Associate		<b>Year of Relevant Experience with this employer</b>
<b>Title</b>	Planner II		<b>Years of relevant experience with other employer(s)</b>
<b>Degree(s) / Years / Specialization</b>		MS / 2020 / Environmental Science ; BS / 2016 / Ecology, Evolution, and Animal Behavior	
<b>Active registration number / state / expiration date</b>		CFM No. US-22-12483 / 01-31-2027; LEED Green Associate No. 0011539188 / 12-17-2026	
<b>Year registered</b>	CFM: 2022	<b>Discipline</b>	Planner, Compliance SME, Ordinance Review Lead
<b>Contract role(s) / brief description of responsibilities</b>			NFIP/CAP-SSSE, Flood Ordinance, Tiered State Framework
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
10/24 - Ongoing	<b>FEMA Region 8 Risk MAP Production and Technical Services Contract, STARR II Joint Venture:</b> In the STARR II Joint Venture, Dewberry is a primary partner supporting the current FEMA PTS contract for the Western Regions 8, 9, and 10. Elaine supports a range of work including regulatory processes, product innovations, and flood resilience strategy development to better connect flood risk information with action. Elaine leads FEMA Floodplain Management and Insurance (FM&I) initiatives including flood damage prevention ordinance reviews, community outreach, and webinars that help communities leverage regulatory information to achieve risk reduction goals. She also leads technical floodplain management and resilience strategies trainings and works with FEMA to prepare for meetings where community leaders can review preliminary Flood Insurance Rate Map information. Elaine develops new materials and resources for both FEMA Region 8 and FEMA Headquarters to achieve outreach and engagement goals.		
10/24 – Ongoing	<b>FEMA Zone 3 Fire Study, STARR II JV Production and Technical Services USFA Fire Study, FEMA:</b> Resilience Planner. The Zone 3 Fire Study expands upon the 2024 Zone 3 Building Code Savings Pilot Study, which quantifies the impacts of modern building codes on reducing damage from both wildfire and structure fires. Current work involves quantifying impacts of state-wide and jurisdictional code provisions as well as researching modeling methodology. Elaine coordinates report development and production.		
10/24 – 10/24	<b>Flood Risk Management Task Force, City of Philadelphia, PA Floodplain Manager, Flood Resilience and Compliance Strategy:</b> Program Manager. The City of Philadelphia's Flood Risk Management Task Force is a cross-departmental coalition that works to improve public education, develop regulations and resources, and inform City processes to better account for flood hazards. While at the City's Office of Climate Resilience, Elaine led this group and supported floodplain management in coordination with the Department of Licenses and Inspections (L&I). She managed and supported several grant awards including a Cooperating Technical Partner Community Outreach and Mitigation Strategies (COMS) award and developed a property-level flood mitigation program framework. She prepared the City to enroll in CRS by collaborating with FEMA Region 3 and L&I to resolve outstanding CAV violations, coordinating with City department stakeholders, evaluating activities and potential credits, and developing and enhancing reporting plans and processes.  <i>Project completed under previous employment)</i>		

<b>FIRM EMPLOYED BY:</b>		Dewberry Engineers Inc.	
<b>Name</b>	Caroline Cunningham, AICP, PMP, CFM, ABCP		<b>Year of Relevant Experience with this employer</b>
<b>Title</b>	Vice President, Department Manager		<b>Years of relevant experience with other employer(s)</b>
<b>Degree(s) / Years / Specialization</b>		MCRP / City and Regional Planning / 2009; BS / Natural Resource Management and Economic Policy / 2009	
<b>Active registration number / state / expiration date</b>		CFM No. NC-12-0448 / NC; PMP No. 3911171 / US / 08-24-2027; ABCP No. 35268 / US	
<b>Year registered</b>	CFM: 2012	<b>Discipline</b>	Planner
<b>Contract role(s) / brief description of responsibilities</b>		NFIP/CAP-SSSE, Flood Ordinance, Tiered State Framework	
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
05/24 - 04/25	<b>Amite River Basin Commission Master Plan:</b> As part of the Louisiana Watershed Initiative (LWI), ARBC developed a master plan for flood risk reduction. Caroline supported development of floodplain regulation opportunities and the NFIP CRS recommendations to optimize community flood reduction activities with CRS activity credits. Lastly, Caroline supported integration of funding sources, including a potential resilience based on reduction of flood benefit.		
01/25 - Ongoing	<b>Henrico County On-Call Drainage and Mitigation Support:</b> Caroline has supported and led various flood-related task for the county including: Henrico County Voluntary Acquisition Program (VAP)- Dewberry is developing a VAP for structures at-risk to flooding and Caroline has led outreach and general program guidelines to align requirements with FEMA regulations, funding, and county priorities. Community Rating System Outreach – providing CRS Program for Public Information support such as property letter mailings, website updates, and informational outreach sessions.		
11/22 - Ongoing	<b>Climate Risk Assessment Initiative SEA, Port Authority of New York and New Jersey:</b> Resiliency Lead for a Climate Risk Assessment (CRA) of PANYNJ port assets (known as "SEA"), consisting of the Elizabeth Port Authority Marine Terminal, Port Newark, and Port Jersey Port Authority Marine Terminal including Greenville Yard. The scope of work involves conducting a rigorous assessment of physical climate-related risks, developing potential risk mitigation measures, and preparing a risk reduction investment strategy for integration into capital planning.		
06/23 - 06/23	<b>City of Newport News Master Plan Development for Citywide Stormwater Management, Floodplain Management, and Resilience and Climate Change Management:</b> Supporting technical reviews for the floodplain management and resilience and climate change management plan. Project scope includes annualized loss analysis for existing and future flooding conditions, critical asset adaptive capacity analysis, public engagement efforts, and efforts to maintain and improve the City's rating in the Community Rating System.		
08/23 - Ongoing	<b>North Carolina Division of Coastal Management Resilient Coastal Communities Program (Phases I and II):</b> This grant-funded program multiple coastal communities with contractors to develop risk and vulnerability assessments and portfolios of projects to address community resilience to coastal hazards, specifically emphasizing the consideration of natural or nature-based solutions (NNBS). In collaboration with Dewberry's Resilience Solutions Group, the Carolinas Environmental team is leading this effort, which has included regular stakeholder outreach, public engagement, and GIS analysis of community vulnerability.		

<b>FIRM EMPLOYED BY:</b>		Dewberry Engineers Inc.	
<b>Name</b>	Tracey Gilbert, CFM		<b>Year of Relevant Experience with this employer</b>
<b>Title</b>	Project Manager		<b>Years of relevant experience with other employer(s)</b>
<b>Degree(s) / Years / Specialization</b>		BS / Geography / 2004	
<b>Active registration number / state / expiration date</b>		CFM No. NC-19-0754 / 01-01-2027	
<b>Year registered</b>	CFM: 2019	<b>Discipline</b>	GIS Analyst
<b>Contract role(s) / brief description of responsibilities</b>		NFIP/CAP-SSSE, Flood Ordinance, Tiered State Framework	
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
06/16 - Ongoing	<b>State of North Carolina Cooperating Technical Partners Program:</b> Tracey provides technical support for FEMA contracted floodplain mapping projects. She is responsible for managing FEMA product submissions, including quality reviews, creating/reviewing FEMA correspondence and all necessary paperwork, as well as submitting these products to FEMA while meeting submission deadlines and FEMA technical requirements. She is also responsible for providing guidance on FEMA technical requirements and regulatory products. Tracey has also assisted in LOMR reviews and the preparation of NFHL data and map exhibits for LOMR submittals for the State.		
02/15 - Ongoing	<b>Northwest Florida Water Management District CTP Program:</b> Dewberry has continuously supported the District's Flood MAP Program since 2004, providing map modernization and Risk MAP services throughout its 16-county jurisdiction. Dewberry's experience on the District's projects has included scoping, Discovery, riverine modeling, coastal analyses, DFIRM/FIS production, Risk MAP product development, post-preliminary processing, FIRM database development, MIP reporting, CNMS validation evaluations and outreach and website development activities. We have helped the district deliver effective flood study products for 14 of its 16 counties, created over 6,800 miles of 2-D Level C BLE analysis for eight of the district's watersheds, and has led the coastal analyses for the district's 500+ miles of coastline to provide information about the existing flood hazard in all flood prone areas in the watersheds to support the local official's floodplain management efforts. Additionally, Dewberry performed 139 miles of 1D steady state BLE analyses for streams having contributing drainage areas extending beyond the limit of the scoped BLE watersheds. BLE floodplain mapping passing FEMA's Flood Boundary Standards (FBS) was developed along with depth grids, water surface elevation grids, and probability grids. H&H DCS spatial files were included in the deliverable package, along with H&H reports.		
07/07 - 06/16	<b>FEMA NFIP Community Rating System (CRS):</b> Tracey was responsible for completing DFIRM Products for various counties in FEMA Region VI and IX States, including Limited Detail Studies, re-delineation of existing floodplains to new topographic data, digitization of hardcopy information, photo interpretation, and using terrain data. Also compiled digital floodplain data, produced DFIRM databases, and created final map deliverables for the Map Service Center.		
03/14 - 06/16	<b>FEMA Region 6 Risk MAP Program, Hurricane and Storm Damage Risk Reduction System:</b> Tracey was the GIS lead for the team involved in remapping of the FIRMs with updated information for Orleans and St. Bernard parishes inside the HSDRRS. She was responsible for preparing Preliminary and Post-Preliminary DFIRM products for each parish, including FIRMs, DFIRM databases, FIS reports and SOMAs, and confirming the products met FEMA's technical specifications.		
01/14 - 05/16	<b>FEMA Region 6 Risk MAP Program, Lafourche and Grant Seclusion Initiative:</b> Tracey was part of a team involved in supporting FEMA's Seclusion initiative for Lafourche and Grant Parishes, Louisiana. Project was scoped to take the information from revised Preliminary through Effective. She was involved in the DFIRM and FIS production for Lafourche and Grant Parishes and was responsible for confirming the products met FEMA's technical specifications.		



<b>FIRM EMPLOYED BY:</b>		Forte & Tablada	
<b>Name</b>	<b>Morgan Sanchez, PE</b>		<b>Year of Relevant Experience with this employer</b>
<b>Title</b>	Project Engineer		<b>Years of relevant experience with other employer(s)</b>
<b>Degree(s) / Years / Specialization</b>		BSCE / 2012 / Civil Engineering	
<b>Active registration number / state / expiration date</b>		PE No. 41463 / LA / 09-30-2025	
<b>Year registered</b>	2012	<b>Discipline</b>	Engineer, Ordinance Reviewer
<b>Contract role(s) / brief description of responsibilities</b>		NFIP/CAP-SSSE, Flood Ordinance, Tiered State Framework	
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
5/24 – 5/25	<b>Amite River Basin Commission Master Plan.</b> Project Engineer. Services included Data collection, Floodplain and Stormwater Ordinance development and recommendations, comparisons of LWI and effective FEMA Models and Flood Insurance Rate Maps, and collection and recommendations of municipalities current Community Rating Systems.		
5/23 - 05/25	<b>St. John the Baptist Parish Comprehensive Stormwater Master Plan.</b> Project Engineer leading the comprehensive review of existing floodplain and stormwater ordinances and codes including compliance with FEMA regulations 44 CFR §60.3. Development of policies for best practices and updates to existing codes. Recommendations for alignment of Master Plan with FEMA CRS Activities.		
2/18-Current	<b>Livingston Parish Review Engineer.</b> Review engineer overseeing all planning commission items to ensure that engineering and surveying within the parish follow parish ordinance and best engineering practices. She also reviewed flood mitigation designs including floodplain management and developing codes and ordinances. She has assisted Livingston Parish in getting back into the Community Rating System (CRS) rating system and ensuring FEMA 44 CFR §60.3 compliance. She has also been intimately involved in many modifications to subdivision ordinances/unified development codes and has a great understanding of smart growth when it comes to transportation, drainage, utilities, and other applicable code requirements for infrastructure of all scales.		
2/21-Current	<b>East Feliciana Parish Review Engineer.</b> Review engineer overseeing all planning commission items to ensure that engineering and surveying within the parish follow parish ordinance and best engineering practices. She also reviewed flood mitigation designs including floodplain management in compliance with 44 CFR§60.3 and developing codes and ordinances.		
3/24-Current	<b>City of Gonzales Review Engineer.</b> Review engineer overseeing all planning commission items to ensure that engineering and surveying within the parish follow parish ordinance and best engineering practices. She also helps with reviewing their floodplain mitigation and management.		
4/18-Current	<b>City of Walker Review Engineer.</b> Review engineer overseeing any floodplain mitigation measures from developments within the corporate limits. Assisted with CRS ratings with recommendations and improvements for entities scoring.		
6/17-Current	<b>City of Denham Springs Review Engineer.</b> Review engineer overseeing planning commission items to ensure that engineering and surveying within the parish follow parish ordinance and best engineering practices. She also reviewed flood mitigation designs including floodplain management compliance and developing codes and ordinances.		

<b>FIRM EMPLOYED BY:</b>		H2O Partners	
<b>Name</b>	Mark Lujan, ANFI, CFM		<b>Year of Relevant Experience with this employer</b>
<b>Title</b>	Training and Communications Manager		<b>Years of relevant experience with other employer(s)</b>
<b>Degree(s) / Years / Specialization</b>		BA / 2019 / Management; BA / 2011 / Emergency Management	
<b>Active registration number / state / expiration date</b>		CFM 1857-10N / Texas / 12-31-2025	
<b>Year registered</b>	2010	<b>Discipline</b>	Planner/NFIP and Outreach SME
<b>Contract role(s) / brief description of responsibilities</b>			NFIP Training, Outreach, and Workshops
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
01/18 - Ongoing	<b>FEMA NFIP Stakeholder Education, Training Development, and Delivery Services:</b> Contracted through FEMA to provide high-level training efforts for the National Flood Insurance Program (NFIP), including classroom and webinars. Assists in development of training materials for various NFIP courses.		
01/13 - 01/18	<b>Sr. Regional Insurance Specialist, Federal Emergency Management Agency:</b> Responsible for managing the National Flood Insurance Program (NFIP) for FEMA Region 6 (AR, LA, OK, NM and TX). Developed marketing strategies to increase policy counts and to also ensure the policyholders are obtaining the most accurate rate/premium structure. Managed the Hurricane Sandy NFIP claims review in Washington DC, which led to the congressionally mandated Homeowner Flood Insurance Affordability Act of 2014 (HFIAA). Deputy Hazard Mitigation Branch Director for flood disasters throughout Region 6. Oversaw the NFIP efforts for the disaster, including supervising the mitigation insurance specialists that are deployed.		
2008 - 2013	<b>Regional Manager, URS Corp.:</b> Managed the FEMA/NFIP contract for Region 6. Managed team of professionals to accomplish goals. Drafted action plans and led meetings with department executives to review project status and proposed changes. Executed integrated advertising campaign across multiple media channels. Developed slideshows and other forms of media to present project progress to the executive team. Monitored team progress and enforced deadlines. Implemented outreach strategies for local FEMA offices. Served as municipal representative for various state and county wide flood insurance meetings		
2006 - 2008	<b>National Flood Insurance Specialist/Trainer, Computer Sciences Corporation:</b> Developed training program for specific, assigned job tasks, including flood insurance and project management. Presented and clearly explained insurance policy options to clients based on their needs and goals. Conducted small group and individual activities based on differentiated learning needs. Drafted quarterly reports for management review.		
2003 - 2006	<b>Senior Underwrite, Assurant Speciality Property.</b>		

<b>FIRM EMPLOYED BY:</b>		H2O Partners	
<b>Name</b>	Sarah Melton		<b>Year of Relevant Experience with this employer</b> 5
<b>Title</b>	Outreach Specialist		<b>Years of relevant experience with other employer(s)</b> 0
<b>Degree(s) / Years / Specialization</b>		BS / 2015 / Interdisciplinary Studies	
<b>Active registration number / state / expiration date</b>		N/A	
<b>Year registered</b>	N/A	<b>Discipline</b>	Planner/Funding and Hazard Mitigation Grants SME
<b>Contract role(s) / brief description of responsibilities</b>			NFIP Training, Outreach, and Workshops
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
2020 - Ongoing	<b>CDBG-MIT and CDBG-DR Application Review and Management, Texas General Land Office:</b> Reviewed project applications for the administration of HUD Community Development Block Grant – Mitigation (CDBG-MIT) funding for eligible mitigation activities and state mitigation competitions through the Texas General Land Office (GLO) with particular focus on repetitive loss of property and critical infrastructure. Responsible for preparing all program Request for Payment forms, creating and updating SOPs. Maintained a portfolio of more than 28 communities, some with multiple contracts. Determined competition eligibility through a comprehensive scoring process, and provided cross-cutting policy guidance through all program phases, which include Davis-Bacon, Uniform Relocation Act, Section 3, Fair Housing, Section 504 and Environmental Review.		

<b>FIRM EMPLOYED BY:</b>		H2O Partners	
<b>Name</b>	Will Parker		<b>Year of Relevant Experience with this employer</b>
<b>Title</b>	Outreach Specialist		<b>Years of relevant experience with other employer(s)</b>
<b>Degree(s) / Years / Specialization</b>		BJ / 2020 / Journalism	
<b>Active registration number / state / expiration date</b>		N/A	
<b>Year registered</b>	N/A	<b>Discipline</b>	Outreach and Written Communications Specialist
<b>Contract role(s) / brief description of responsibilities</b>			NFIP Training, Outreach, and Workshops
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
01/23 - Ongoing	<b>FEMA Emergency Housing Plans Development:</b> As part of FEMA and HUD's Pre-Disaster Housing Initiative, contributed to New Jersey's Recovery Support Function Plan for housing. Worked with contractor housing SMEs and the states to determine and document pre-disaster housing needs and logistical strategies.		
01/23 - Ongoing	<b>Texas General Land Office, River Flood Basin Study:</b> Conducted outreach and public engagement tasks for the Texas General Land Office River Flood Basin Study. Responsibilities included drafting outreach materials, maintaining a contact database, and facilitating presentations to stakeholders. Working closely with Dewberry on this project.		
01/23 - Ongoing	<b>Hazard Mitigation Plan Development (TX, NM, NY, OK, LA):</b> Develops and drafts of Hazard Mitigation Plan text including hazard and community profiles, develops outreach materials, translates complex technical material at public meetings and workshops, and gathers research for comprehensive Plan development.		

<b>FIRM EMPLOYED BY:</b>		H2O Partners	
<b>Name</b>	Payton Morris, MS		<b>Year of Relevant Experience with this employer</b>
<b>Title</b>	Mitigation Outreach Specialist		<b>Years of relevant experience with other employer(s)</b>
<b>Degree(s) / Years / Specialization</b>		MS / 2022 / Agricultural Sciences; BS / 2020 / Animal Science	
<b>Active registration number / state / expiration date</b>		N/A	
<b>Year registered</b>	N/A	<b>Discipline</b>	Hazard Mitigation Planning SME
<b>Contract role(s) / brief description of responsibilities</b>			NFIP Training, Outreach, and Workshops
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
01/24 - Ongoing	<b>Hazard Mitigation Plan Development (TX, NM, NY, OK, LA):</b> Conducts outreach to participating jurisdictions while providing educational materials and education on hazards that affect an area.		
01/24 - Ongoing	<b>Regional Mitigation Coordinator for the Texas Division of Emergency Management:</b> Assisted in organizing programs involving local, state, and federal agencies, volunteer groups, and the public related to hazard mitigation. Convened and facilitated stakeholder workgroups to review, develop, clarify, and update Local Hazard Mitigation Plans. Provided guidance to staff and the community regarding grant administration and compliance. Identified opportunities to engage other emergency management authorities in coordinating hazard mitigation activities.		
01/22 - 01/24	<b>Disaster Assessment and Recovery Program Specialist, Texas A&amp;M AgrilLife Extension Service:</b> Collaborated with stakeholders, developing and implementing statewide program activities to coordinate regional assistance for emergency and disaster victims. Managed continued improvement programs. Assisted Extension committees in developing plans to reach annual and/or long-range goals. Coordinated stakeholder workgroups to review, develop, clarify, and update Local Hazard Mitigation Plans. Taught hazard mitigation program specifics to various audiences and collaborated with other state agencies on emergency response training efforts. Supported the Texas Animal Health Commission and served as a liaison between local landowners/livestock producers and Texas A&M Forest Service during wildfire suppression operations.		

<b>FIRM EMPLOYED BY:</b>		H2O Partners	
<b>Name</b>	Amanda Thompson		<b>Year of Relevant Experience with this employer</b>
<b>Title</b>	Mitigation Specialist		<b>Years of relevant experience with other employer(s)</b>
<b>Degree(s) / Years / Specialization</b>		BS / 2023 / Emergency Management Administration and Disaster Planning	
<b>Active registration number / state / expiration date</b>		N/A	
<b>Year registered</b>	N/A	<b>Discipline</b>	Hazard Mitigation Grant SME and Community Development Block Grant SME
<b>Contract role(s) / brief description of responsibilities</b>			NFIP Training, Outreach, and Workshops
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
01/24 - Ongoing	<b>Hazard Mitigation Plan Development (TX, NM, NY, OK, LA):</b> Coordinating and facilitating public outreach and workshops to engage government and community members in mitigation efforts. Conducting research and quality control reviews.		
01/24 - Ongoing	<b>CDBG-MIT and CDBG-DR Application Review and Management, Texas General Land Office:</b> Reviewed project applications for the administration of HUD Community Development Block Grant – Mitigation (CDBG-MIT) funding for eligible mitigation activities and state mitigation competitions through the Texas General Land Office (GLO) with particular focus on repetitive loss of property and critical infrastructure. Responsible for preparing all program Request for Payment forms, creating and updating SOPs. Maintained a portfolio of more than 28 communities, some with multiple contracts. Determined competition eligibility through a comprehensive scoring process, and provided cross-cutting policy guidance through all program phases, which include Davis-Bacon, Uniform Relocation Act, Section 3, Fair Housing, Section 504 and Environmental Review.		
01/23 - 01/24	<b>Grants and Disaster Finance, Denton County of Emergency Management, Texas:</b> Public education and outreach activities for the Denton County Office of Emergency Management. Collaborated closely with internal and external partners during multiple EOC wildfire activations. Assisted in multiple roles, including ICS documentation and gathering documentation for after-action reports. Managed projects, administered grants such as UASI and HSI, and collaborated with other Denton County Municipalities. Enhanced accuracy and relevance by meticulously updating critical infrastructure lists for Tier II forms, following TCEQ standards. Assisted in the planning process for the Denton County Preparedness Fair. Helped plan and document the Denton County Active threat Summit.		
01/23 - 01/23	<b>Emergency Management, Celina Fire Department, Texas:</b> Designed an informative document for Severe Weather Preparedness using visual aids and infographics, to illustrate emergency preparedness tips and weather information effectively. Increased community preparedness and public awareness for the Celina Fire Department through social media infographics. Worked with the Fire Department's Outdoor Warning Siren team to support the development and testing of new outdoor warning systems. Contributed to the development of emergency evacuation plans for city buildings, ensuring thorough preparation and adherence to safety protocols.		



<b>FIRM EMPLOYED BY:</b>		Dewberry Engineers Inc.	
<b>Name</b>	<b>Mat Mampara, PE</b>	<b>Year of Relevant Experience with this employer</b>	24
<b>Title</b>	Vice President, Discipline Lead	<b>Years of relevant experience with other employer(s)</b>	2
<b>Degree(s) / Years / Specialization</b>		MS / 2022 / Water Resources Engineering; BS / 1996 / Chemistry	
<b>Active registration number / state / expiration date</b>		PE No. 39245 / MD / 06-20-2026; PE No. 106092 / NY / 06-30-2025	
<b>Year registered</b>	PE: 2010	<b>Discipline</b>	Supervisor–Other, Web Developer/Programmer
<b>Contract role(s) / brief description of responsibilities</b>		Risk MAP Related Support Services–CNMS, Business Plan Update/Sequencing	
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
06/16 - 05/21	<b>LA DOTD Cooperating Technical Partners Program:</b> Developer, Data Analyst, Resilience Planner. FEMA Program SME. Leveraging his experience working with FEMA HQ under Standard Operations contracts, Mat led the development of the LA DOTD CTP Annual Business Plan Prioritization Tool. This web-based tool enabled the agency to conduct working meetings with FEMA and The Water Institute (the other CTP in the state) to prioritize projects in the state of Louisiana using a complex database that was updated annually. The interface was equipped with tools that enabled the Region and the State staff to adjust the metrics like population behind levees or NVUE miles as top priorities or low priorities as these can shift as the strategic plan from FEMA HQ is released. His connection to FEMA HQ enabled Louisiana’s program to be positioned ahead of the game when it came to maximizing awards in the state.		
12/24 - Ongoing	<b>LA DOTD Transportation Resilience Plan:</b> Dewberry, with Freese Nichols Inc., is producing a statewide Resilience Improvement Plan for the Louisiana transportation system. Starting with surface transportation, the Department is undertaking a risk-based assessment of vulnerabilities of transportation assets and systems to current and future weather events. Mat serves as the PM for this effort and leading a data-driven, asset-based evaluation of system criticality, vulnerability, and mitigation project opportunities against a range of hazards including flooding (coastal and riverine), slope stability, extreme wind, sea level rise, coastal erosion and extreme temperatures.		
09/22 - Ongoing	<b>FEMA Risk MAP Production and Technical Services Contract, STARR II Joint Venture:</b> Mat serves as the JV’s Program Planning Lead and Innovations Control Account Manager. As the Program Planning lead, Mat supports both national multi-year and annual programming for the Risk MAP program, including metrics establishment, performance tracking and reporting. He recently supported the refresh of the program Life Cycle Cost Estimate to incorporate future planned changes to the Risk MAP program. As Innovations Control Account Manager he oversees a portfolio of projects advancing the state of the practice in flood hazard identification, risk assessment, and mitigation strategy development. Working closely with FEMA, USACE Hydrologic Engineering Center, and USACE Risk Management Center professionals, Mat leads an integrated teams of engineers, computational scientists, planners, and cloud engineers on delivery of ~\$2M of projects a year. Example projects include: Using Machine Learning to reduce the number of hydrologic and hydraulic simulations needed to probabilistically represent extreme events; Mitigation Project Designer- a rich prototype to demonstrate the potential to provide robust mitigation project selection decision support based on Return on Investment; and Analyzing Hydrology through Advancements in Hydrometeorology.		
08/10 - 07/20	<b>Northwest Florida Water Management District Cooperating Technical Partners Program:</b> Developed specifications and oversaw the development of a hazard and risk communication web portal for the District. The application provides customized, property specific hazard information based on address or parcel search functionality. The tool has seen over 40,000 page views in the last two years and provides both hazard identification and essential risk assessment information as generated from riverine and coastal hydraulic analyses and mapping.		
04/19 - 03/20	<b>FEMA 2D BLE Probabilistic Flood Risk Assessment:</b> Led the conceptualization, planning, and successful implementation of structure level, probabilistic pluvial and fluvial hazard identification, and risk assessment in support of FEMA’s overhaul of the NFIP. Under a compressed 24 week timeframe, Mat’s team analyzed risks in 14 metropolitan areas covering 1.3 million residential structures from Washington D.C. to Sacramento, using HEC-RAS 2D, and cloud infrastructure to run hundreds of simulations. Outputs included development of flood hazard products (heat maps, water surface elevation, and depth grids), structure level flood risk products (AALs), and technical documentation.		

<b>FIRM EMPLOYED BY:</b>		Dewberry Engineers Inc.	
<b>Name</b>	Sam Fleming, PE		<b>Year of Relevant Experience with this employer</b>
<b>Title</b>	Vice President, Department Manager		<b>Years of relevant experience with other employer(s)</b>
<b>Degree(s) / Years / Specialization</b>		MS / 1993 / Civil Engineering ; BS / 1992 / Civil Engineering	
<b>Active registration number / state / expiration date</b>		PE No. 21811 / AL / 13-31-2025; PE No. 20643 / IA / 12-31-2026; PE No. PE024406 / GA / 12-31-2025	
<b>Year registered</b>	PE: 1997	<b>Discipline</b>	Engineer–Other
<b>Contract role(s) / brief description of responsibilities</b>			Risk MAP Related Support Services–Dam Breach
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
03/09 - Ongoing	<b>State of Georgia Department of Natural Resources Cooperating Technical Partners Program:</b> Georgia Risk MAP CTP Program Early Demonstration Project on Dam Breach Inundation Modeling, Mapping and Consequence Assessment, Georgia Department of Natural Resources. Sam was project manager for a Risk MAP Early Demonstration for Dam Breach Inundation Modeling, Mapping, and Consequence Assessment for two high hazard dams in the Upper Chattahoochee River Basin. Dewberry completed digital dam breach inundation modeling and mapping for the Lower Loch Highland and Laurel Lake Dams. The project involved sunny day breach routing using unsteady state modeling in HEC-RAS and extended downstream to the point where the flood wave was contained in the channel. Risk MAP products developed under this pilot include quasi-2d velocity, depth, water surface elevation, flood arrival time, peak time, discharge, and danger zone grids based on ACER 11. Scope also included HAZUS consequence assessment and potential loss of life analysis. This demonstrated application of enhanced Risk MAP products to dam safety initiatives under National Dam Safety Program.		
03/20 - 12/20	<b>Georgia Department of Natural Resources BLE Playbook:</b> Developed the BLE Playbook and provided technical oversight for the Floodplain Management and Planning, Design, and Mitigation sections. The BLE Playbook provides information on how the BLE analyses have been performed, where to find and how to use the results from the BLE analyses to support state, regional, and local community officials, floodplain administrators, emergency managers, engineers, insurance agents and the public at large, make more informed decision considering the existing flood hazards and assist in their efforts to increase the community resilience and reduce the flooding vulnerability.		
10/11 - 12/12	<b>Gwinnett County Dam Breach Modeling an Mapping:</b> Responsible for the dam breach inundation modeling and mapping for 35 dams in the Georgia Safe Dams Program inventory that pose a potential hazard. The intent of the project is to coordinate and communicate the potential areas at risk from a dam failure for planning and response purposes. In addition to identifying the dam breach inundation zone, Risk MAP information such as flood arrival time, time to peak, maximum depth of flow, maximum water surface elevation, velocity at peak flow, and at-risk infrastructure and structures will be identified for emergency preparedness.		
10/10 - 06/11	<b>Georgia Department of Natural Resources Dam Early Demonstration of Risk Map Products for Dam Safety:</b> Responsible for a Risk MAP Early Demonstration Project for Dam Breach Inundation Modeling, Mapping, and Consequence Assessment for two high hazard dams in the Upper Chattahoochee River Basin. Risk MAP products were developed under this pilot project included velocity, depth, water surface elevation, flood arrival time, peak time, discharge, and danger zone grids based on ACER 11. The study scope also included a HAZUS consequence assessment and potential loss of life analysis. The project demonstrated the application of enhanced Risk MAP products to dam safety initiatives that fall under National Dam Safety Program.		

<b>FIRM EMPLOYED BY:</b>		Freese and Nichols	
<b>Name</b>	Bethany Fleitman, PE, CFM		<b>Year of Relevant Experience with this employer</b>
<b>Title</b>	Associate, Project Manager		<b>Years of relevant experience with other employer(s)</b>
<b>Degree(s) / Years / Specialization</b>		MS / 2016 / Environmental Engineering; BS / 2015 / Environmental Engineering	
<b>Active registration number / state / expiration date</b>		PE No. PE.0045485 / LA / 09-03-2025; CFM No. 3357-17N / US / 12-31-2025	
<b>Year registered</b>	2021	<b>Discipline</b>	Engineer
<b>Contract role(s) / brief description of responsibilities</b>			Risk MAP Related Support Services–Dam Breach
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
08/21 – 07/24	<b>Louisiana Watershed Initiative Region 2 Modeling, Series I   Louisiana Department of Transportation and Development:</b> Assistant Project Manager: FNI developed and calibrated 1D/2D HEC-RAS models for use in consequence and risk assessment that informs the implementation of flood risk reduction projects via watershed coalitions in coordination with parish, state and federal entities. Bethany sets deadlines, assigns responsibilities, monitors and summarized progress of the project, accomplishes project goals, lead project meetings, coordinates the collection and dissemination of information, and manages many aspects of the project, including the subconsultants.		
01/22 – 06/24	<b>Louisiana Watershed Initiative Region 2 Modeling, Series II   Louisiana Department of Transportation and Development:</b> Assistant Project Manager: FNI provided Louisiana Watershed Initiative Series II H&H modeling for Region Two HUC8's. Bethany sets deadlines, assigns responsibilities, monitors and summarized progress of the project, accomplishes project goals, lead project meetings, coordinates the collection and dissemination of information, and manages many aspects of the project, including the subconsultants.		
08/24 – 03/25	<b>Louisiana Watershed Initiative Region 2 Modeling Task Order 4   Louisiana Department of Transportation and Development:</b> Project Manager: FNI is performing a Design Storm Simulation and Consequence Analysis, along with development of Proof of Concept mitigation projects.		
02/2020 – 04/21	<b>Environmental Services   Coastal Protection and Restoration Authority, LA:</b> Stormwater Engineer: FNI performed H&H modeling to improve emergency response and post-disaster recovery through Dynamic Flood Inundation Mapping of compound flooding for the Coastal Protection and Restoration Authority of Louisiana. The updated model provided information on timing, duration and extent of flooding and included provisions to address the uncertainties in flood inundation forecasting throughout the Lake Pontchartrain/Lake Maurepas watershed. Bethany served as production staff, which included modeling and evaluating the area.		
09/21 – 05/25	<b>Base Level Engineering: Flood Risk Mapping   Texas Water Development Board:</b> Engineering Support: FNI is providing technical flood risk analysis and related mapping activities. The project's main objectives are to develop flood hazard data in support of both state flood planning and FEMA's Risk MAP program.		
02/19 – 12/21	<b>MAAPnext Flood Risk Analyses and Mapping   Harris County Flood Control District:</b> Stormwater Engineer: FNI completed modeling and mapping activities for the Addicks Reservoir and Cypress Creek watersheds, including the watershed-scale HEC-HMS and unsteady 1D/2D HEC-RAS models with a combined footprint of 503 square miles and 286 stream miles. The study areas involved numerous complexities, such as overflows between watersheds, rapid development, dams and a levee. Bethany served as a modeler for the risk analysis.		

<b>FIRM EMPLOYED BY:</b>		Dewberry Engineers Inc.	
<b>Name</b>	Kevin Slover	<b>Year of Relevant Experience with this employer</b>	19
<b>Title</b>	Associate, Senior Scientist	<b>Years of relevant experience with other employer(s)</b>	7
<b>Degree(s) / Years / Specialization</b>		BS / 1998 / Marine Meteorology	
<b>Active registration number / state / expiration date</b>		N/A	
<b>Year registered</b>	N/A	<b>Discipline</b>	Senior Technician
<b>Contract role(s) / brief description of responsibilities</b>		Risk MAP Related Support Services–Coastal Analysis	
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
06/06 - Ongoing	<b>State of North Carolina Cooperating Technical Partners Program:</b> As the coastal subject matter expert, Kevin advised the modeling team on the best practices for the development of a seamless topographic and bathymetric DEM and served as a QA/QC reviewer of the 2D AdCIRC grid development. He oversaw and quality controlled the Joint Probability Method (JPM) production runs and implemented the use of the Empirical Simulation Technique (EST) for use in determining the 1% annual chance flooding for Extra-Tropical storms		
01/06 - Ongoing	<b>Northwest Florida Water Management District Cooperating Technical Partners Program:</b> This ongoing project is to model and update the coastal storm surge and overland wave propagation for inclusion in FEMA FIS. Kevin provided technical QA/QC to the District on the 2D UnSWAN+AdCIRC model and development of the seamless topo/bathy DEM. Kevin also provided QA/QC for the development of the coastal Flood Risk Products, including the development of the wave height grid, coastal increased inundation areas, water surface/depth grids, and wave hazard severity areas; providing oversight so that these products were developed per FEMA's standards.		
07/20 - 07/20	<b>Oklahoma Water Resource Board Cooperating Technical Partners Program:</b> Kevin developed a tool to enhance the development of the Areas of Mitigation Interest (AoMI), allowing the client to make better informed decisions on mitigation locations based on spatial analytics. The tool conducted a hot spot analysis based on three parameters (number of impacted structures, depth of flooding, and total damage) to determine those areas greatest impacted by flooding. The results were ranked based on the average Z-Score from the hot spot analysis and the subsequent results were including the AoMI Flood Risk product.		
06/05 - 03/18	<b>FEMA Public Assistance Technical Assistance Contract:</b> Beach and Coastal Specialist responsible for beach erosion assessments for Hurricanes Ophelia (NC) and Wilma (FL and Long Island, NY). Conducted cross sections on beaches and volumetric sand calculation for determination of emergency beach replenishment projects. Reviewed engineered drawings and documents to ensure consistency with FEMA specifications.		
09/21 - Ongoing	<b>Louisiana Watershed Initiative Region 7 Modeling:</b> Dewberry is currently developing watershed-wide hydrologic and hydraulic modeling for 521 stream miles within the Tangipahoa watershed as part of the Louisiana Watershed Initiative (LWI) Region 7 contract. A tiered resolution approach was used to meet the challenges of the unique hydraulic conditions throughout the watershed and to provide three tiers of detail commensurate with the differing levels of flood risk. Modeling was conducted using HEC-HMS for hydrologic modeling, HEC-RAS for unsteady, coupled 1-D/2-D hydraulic modeling and several proprietary toolsets developed to assist in model construction and parameter estimation, and improve efficiencies.		

<b>FIRM EMPLOYED BY:</b>		Dewberry Engineers Inc.	
<b>Name</b>	<b>Brian Batten, PhD, CFM</b>		<b>Year of Relevant Experience with this employer</b>
<b>Title</b>	Associate Vice President, Senior Coastal Scientist		<b>Years of relevant experience with other employer(s)</b>
<b>Degree(s) / Years / Specialization</b>		PhD / 2003 / Coastal Oceanography; MS / 1999 / Marine Environmental Science; BS / 1997 / Marine Environmental Science	
<b>Active registration number / state / expiration date</b>		CFM No. US-06-0231 / 07-31-2026	
<b>Year registered</b>	CFM: 2006	<b>Discipline</b>	Senior Technician
<b>Contract role(s) / brief description of responsibilities</b>			Risk MAP Related Support Services–Coastal Analysis
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
11/14 - Ongoing	<b>Virginia Beach Sea Level Rise and Flood Analysis:</b> Project manager and senior scientist for five-year multi-million dollar study effort to complete an end-to-end community flood resilience study that will provide the City of Virginia Beach actionable policy and flood risk infrastructure plans. Provided leadership for flood hazard and economic risk assessments, risk-informed adaptation planning, foundational water resources analyses, integrated coastal/stormwater numerical modeling, adaptation policy development, nature-based strategies, and conceptual engineering for \$2.5 billion of flood protection infrastructure, including evaluation through feasibility and benefit cost analysis metrics, public and stakeholder engagement, etc.		
09/14 - 07/18	<b>Advisory Sea Level Rise Study:</b> Technical lead of study for FEMA Headquarters to explore modeling approaches for future conditions. Provided technical leadership in approaches to model and map future storm surge and wave hazards, with considerations for barrier island and marsh loss. Examined approaches to create future FIRMs using innovative geospatial mapping techniques.		
09/14 - 10/14	<b>The Water Institute of the Gulf:</b> Provided technical review of proposed updates to analytical framework of the Coastal Louisiana Risk Assessment (CLARA) model, which estimates hurricane flood depths and damage to enable evaluation and prioritization of potential flood risk reduction projections for inclusion in Louisiana’s Coastal Master Plan. Provided expert feedback and recommendations for improvement of storm surge and building loss modeling approaches.		

<b>FIRM EMPLOYED BY:</b>		Freese and Nichols	
<b>Name</b>	Katie Koch, PE		<b>Year of Relevant Experience with this employer</b>
<b>Title</b>	Stormwater Engineer		<b>Years of relevant experience with other employer(s)</b>
<b>Degree(s) / Years / Specialization</b>		MS / 2021 / Civil Engineering and Water Resource Engineering; BS / 2019 / Civil Engineering	
<b>Active registration number / state / expiration date</b>		PE No. PE.0050003 / LA / 09-30-2025	
<b>Year registered</b>	2025	<b>Discipline</b>	Engineer
<b>Contract role(s) / brief description of responsibilities</b>			Risk MAP Related Support Services–Coastal Analysis
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
01/22 – 06/24	<b>Louisiana Watershed Initiative Region 2 Modeling   Louisiana Department of Transportation and Development:</b> Watershed Lead and Assistant Project Manager: Katie developed the Lower Ouchita - Bayou de Loutre and Little HUC8 models and led the calibration and validation of the Little HUC 8 model. FNI is currently developing 35 Atlas 14 design storms, producing WSE and depth rasters, and performing consequence analysis. As Assistant Project Manager and Watershed Lead of the Little HUC8, FNI’s pilot watershed, Katie works with the Technical Advisors to develop design storm procedures to be used by herself and the engineers responsible for other watersheds.		
12/24 – 05/25	<b>Statewide Transportation Resilience Improvement Plan   Louisiana Department of Transportation and Development:</b> Assistant Project Manager and Hazard Task Lead: FNI is developing a statewide Transportation Resilience Improvement Plan (TRP) for DOTD using stakeholder engagement and the Federal Highway Administration’s (FHWA) multi-hazard resilience framework to develop a strategy to prioritize resilience-building projects. Katie is the Assistant Project Manager and Hazard Lead. She is responsible for the methodology to assign flooding risk AEPs statewide.		
09/21 – 05/25	<b>Base Level Engineering: Flood Risk Mapping   Texas Water Development Board:</b> Risk Analyst: FNI is providing technical flood risk analysis and related mapping activities. The project's main objectives are to develop flood hazard data in support of both state flood planning and FEMA's Risk MAP program. Katie leverages her Hazus expertise to lead the FEMA vulnerability analyses.		
06/21 – 05/25	<b>Dillard Wetland Restoration   City of New Orleans:</b> Hydraulic Modeler: FNI is designing stormwater diversion features, new weirs and water control devices, wetlands and bioswales, a vegetation management and control plan, and boardwalks through the forest. FNI is also performing a comprehensive H&H study, extensive flood modeling simulations within the Dillard Wetland and adjacent communities, and triple bottom-line cost-benefit analysis. Katie participated in community engagement and deliverable development.		
09/21 – 10/23	<b>Drainage Master Plan Phase 2   City of Waxahachie, TX:</b> Hydraulic Modeler: FNI provided services for the continuation of drainage master plan efforts for the City of Waxahachie, including storm drain and open channel modeling. Katie developed the HEC-RAS model for this project, while incorporating data from existing models.		



<b>FIRM EMPLOYED BY:</b>		Dewberry Engineers Inc.	
<b>Name</b>	Stephanie Marsh, CFM		<b>Year of Relevant Experience with this employer</b>
<b>Title</b>	Associate Vice President, Program Manager		<b>Years of relevant experience with other employer(s)</b>
<b>Degree(s) / Years / Specialization</b>		MA / Geography / 1994; BA / Geology / 1991; BA / Anthropology / 1991	
<b>Active registration number / state / expiration date</b>		CFM No. NC-19-0792 / 01-01-2026	
<b>Year registered</b>	CFM: 2006	<b>Discipline</b>	Senior Technician
<b>Contract role(s) / brief description of responsibilities</b>			Mitigation Project Support and Grants
<b>EXPERIENCE DATES (MM/YY - MM/YY)</b>	<b>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).</b>		
06/19 - 05/21	<b>LA DOTD Cooperating Technical Partners Program: Study West Feliciana Parish Phase 2:</b> Provided quality review support for topographic mapping and GIS deliverables focused on data quality and consistency for compliance with FEMA standards and technical references.		
08/15 - 08/15	<b>FEMA Region 6 Risk MAP Program Castor Dugdemona:</b> As part of the RAMPP JV, Dewberry performed an Enhanced Phase 1 Discovery for both the Castor and Dugdemona watersheds in north- central Louisiana. As a leading-edge developer of the Discovery process with Region VI and with Discovery projects across the State line in Arkansas, Stephanie provided quality review of Discovery products for consistency with both Region VI preferences, regional consistence between Louisiana and Arkansas, focus on the usability of discovery products by local communities, and consistency with FEMA standards and technical references.		
07/16 - 02/17	<b>FEMA Region 6 Risk MAP Program Lafourche Parish LAMP Levee Study:</b> As part of the RAMPP JV, Dewberry completed Phase 1 and Phase 2 of the LAMP for Lafourche Parish for both engineering analysis of the natural valley scenario and complex mapping of the polders and ring-levees in the Parish. Stephanie was a lead LAMP process developer working with Region VI engineering teams in Louisiana, Texas, and Oklahoma to create a consistent LAMP deliverable and analysis process that met FEMA standards, LAMP guidance, and was explainable to the local community and with public comments.		
12/11 - Ongoing	<b>FEMA Fort Worth Texas Cooperating Technical Partners Program:</b> Under the CTP program for the City of Fort Worth, urban, rural, and future development flood hazards come together in the watersheds that intersect the City's jurisdiction. A flexible approach for the different conditions around the City of Fort Worth is key to reasonable and understandable flood hazard engineering analysis and mapping solutions to help the City of Fort Worth best plan growth and development at the fringe of the City and redevelopment of the urban landscape within their changing community. Stephanie provided senior quality review support for complex and of the low-flow flood hazard scenarios applying her regional experience in the heavily urban Western US, and throughout Texas and Oklahoma as a test of reasonableness and usability of the results.		

FIRM NAME		Dewberry Engineers Inc.		DISCIPLINE(S)*		Planning; Other (H&H modeling, FEMA/NFIP)	
Project name	LA DOTD Cooperating Technical Partners Program				Firm responsibility (prime or sub?)		Prime
Project number	Retainer Contract #4400008293– <i>Dewberry has been involved 23 purchase order numbers under this retainer contract.</i>			Owner’s name	Louisiana Department of Transportation & Development		
Project location	Statewide, LA			Owner’s Project Manager		Susan Veillon	
Owner’s address, phone, email		1201 Capitol Access Road, 5th Floor, Baton Rouge, LA 70802; 225.279.3005; susan.veillon@la.gov					
Services commenced by this firm (mm/yy)		06/16		Total consultant contract cost (\$1,000’s)			\$6,585
Services completed by this firm (mm/yy)		05/21		Cost of consultant services provided by this firm (\$1,000’s)			\$6,585
Describe the project including the firm’s role and members involved. (Highlight staff to be used in this proposal.)							

Dewberry was selected as a **Cooperating Technical Partners (CTP)** consultant by LA DOTD to implement the **FEMA NFIP Risk MAP program** with various task orders related to NFIP program planning, watershed scale modeling, and **NFIP regulatory mapping** throughout the state in support of the CTP agreement between LA DOTD and FEMA Region 6. This contract also included the development of the Amite River Basin Numerical Model (ARBNM), a precursor to the Louisiana Watershed Initiative. Services included:

#### FEMA NFIP CTP MAS ASSISTANCE AND PROJECT PLANNING:

Dewberry provided **FEMA NFIP programmatic support** including **business planning, scoping**, development of GIS platform, monitoring and confirming Risk MAP metrics are met to ensure the success of the state CTP program. Our team **facilitated discovery** for 10 HUC-8 watersheds throughout the state. This included **BLE data training** and collaboration with FEMA Region 6 staff. Our team developed the Flood Information Guide (FIG) which was featured by FEMA Region VI as a Best Practice. This hard copy map series supported communities where the internet was unreliable or non-existent in implementing floodplain management regulations in Zone A areas.

#### WATERSHED SCALE 1D AND 2D HYDROLOGIC/HYDRAULIC MODELING AND FLOODPLAIN MAPPING:

Dewberry developed parish-wide HEC-HMS and HEC-RAS models for Allen, LaSalle, and West Feliciana Parishes which included NFIP **Regulatory Mapping**. These models incorporated critical features including channels, cutoff berms, roadways, culverts, bridges, and diversion structures. Allen Parish included **FIRM development, preliminary issuance, and post-preliminary activities** through the **Physical Map Revision Process (PMR)** which is a large-scale FEMA Letter of Map Revision (**LOMR**). This included review and incorporation of existing FEMA LOMR's and no-rise analysis for roadway projects including bridge and culvert hydraulics.

#### CAP-SSSE BLE TRAINING FOR PARISHES:

Dewberry provided one-on-one **training** for parishes and communities on how to utilize **BLE** as it was a new project distributed by FEMA Region 6. This included scenario-driven exercises for how to use the data for permitting and adoption for Best Available Data.

#### AMITE RIVER BASIN NUMERICAL MODEL, LWI MODEL PILOT PROJECT:

Following the 2016 floods, development of highly detailed watershed scale modeling tools to assess **hydrology, hydraulics, and consequences** using HEC-HMS, HEC-RAS (1D/2D) and HEC-FIA. At the time the project was the largest implementation of a detailed 2D HEC-RAS model in Louisiana and guided many of the technical approaches and software used for the Louisiana Watershed Initiative.

#### FIRM'S ROLE

- CTP Business Plan Update
- CAP-SSSE BLE Training to Parishes
- Ordinance Training
- MAS Support
- Base Level Engineering Refinement
- Hydrologic Analysis
- Hydraulic Analysis
- Field Surveys
- Numerical Modeling
- Floodplain Mapping
- Conduct Discovery Efforts
- LAMP Outreach and Education
- Develop Flood Risk Products
- Update DOT's CTP Business Plan
- Community Engagement, Risk Communication, Technical Training
- CNMS Updates
- Coordination with Other CTPs and Agencies in LA
- General Program Management Support

#### MEMBERS INVOLVED

- Jerri Daniels
- Seth Bradley
- Sam Crampton
- Barrett Goodwin
- Duncan Hastie
- Mat Mampara
- Ted Cassidy
- Claire Pollard
- Matt Deshotel
- Nick Jones
- Sam Fleming
- David Taylor
- Stephanie Marsh
- Jarrett Mattli
- Kevin Slover
- Dien Ta
- Megan Hanifan
- Noelle Baffa
- Tracey Gilbert
- Chad Bacas\*
- Joey Coco\*

\*Forte and Tablata Staff Sub to Dewberry

FIRM NAME		Dewberry Engineers Inc.		DISCIPLINE(S)*		Planning: Other (H&H modeling, FEMA/NFIP)	
Project name	State of Georgia Cooperating Technical Partners Program				Firm responsibility (prime or sub?)		Prime
Project number	N/A		Owner's name	Georgia Department of Natural Resources			
Project location	Statewide, Georgia; 116 Counties		Owner's Project Manager		Joe Martinenza		
Owner's address, phone, email		2 Martin Luther King Jr. Drive S.E., Suite 1470A, East Tower, Atlanta, GA 30334; 470.938.3355; joseph.martinenza@dnr.ga.gov					
Services commenced by this firm (mm/yy)			03/09		Total consultant contract cost (\$1,000's)		\$64,600
Services completed by this firm (mm/yy)			Ongoing		Cost of consultant services provided by this firm (\$1,000's)		\$50,000
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)							

Dewberry has supported the Georgia Department of Natural Resources' (DNR) Map Modernization and **Risk MAP** programs continually since FY08. This has included deploying Risk MAP to a population of 2 million, a year before Risk MAP was fully implemented by FEMA. Dewberry has provided full **Program Management support**, including the development of **business plans and mapping activity statements (MAS)**; **administration of FEMA's MIP platform and Earned Value Management** support for hundreds of Risk MAP purchases; and the evaluation and development of **project scopes** through **Discovery** processes. As part of our efforts, Dewberry has been responsible for modeling/mapping over 90% of Georgia's study inventory, including over 26,000 stream miles of regulatory analysis and well over **24,000 stream miles of Base Level Engineering (BLE) analysis**. Our deep understanding of flood study modeling techniques, consideration of local/regional data and physiological characteristics, and proactive outreach practices have resulted in no appeals for over 400 Georgia communities that Dewberry has supported. As a result, Dewberry has issued effective regulatory products including **FIS's and FIRMs from preliminary, through to post preliminary phases**, for over 125 counties out of the state's 159, including over 3,500 FIRM Panels issued and flood risk products issued for over 150 communities.

**CAP-SSSE FUNDED NFIP OUTREACH:** Creation of Floodplain Management Quick Guide: The Floodplain Management Quick Guide is a resource that assists our community floodplain managers with many of their daily job functions. Content includes guidance on the National Flood Insurance Program (NFIP), roles and responsibilities of a floodplain manager, the flood study products and map revision process, development and permitting procedures, and higher floodplain management practices. Also included are relevant website resources that will give more thorough direction on particular topics.

**FLOOD RESPONSE TOOLKIT:** The Flood Response Kit provides recommended practices and guidance on activities that floodplain managers can do in advance, during and following a flooding event. Preparation activities include defining and **mapping flood risk areas**, planning exercises, outreach, flood forecasting and warning exercises, **dam safety practices and Community Rating System** program participation.

**MODEL ORDINANCES:** Dewberry assisted in the development of three types of **model ordinances** to meet the different needs of Georgia communities. The Metro North Georgia Ordinance includes higher standards and is required for a 15-county, 95-city region around the Metro Atlanta area. The Model Coastal Ordinance contains language specific to coastal conditions and applicable requirements. The Model Riverine Ordinance is appropriate for the remaining areas of Georgia. Dewberry has reviewed over **100 community ordinances** to ensure compliance with FEMA and local regulations including adoption of new **regulatory FISs and FIRMs**.

**TIERED-STATE FRAMEWORK ASSISTANCE:** Dewberry created videos and webinars for the Georgia Flood MAP. Program to post on their website so that community officials can find videos that further explain activities such as outreach and the **Community Outreach Guidebook** and recorded webinars on how to use flood study products increasing their tier.

#### FIRM'S ROLE

- CTP Business Plan Update
- CAP-SSSE Funded Outreach
- Base Level Engineering
- Hydrologic Analysis
- Hydraulic Analysis
- Field Surveys
- Numerical Modeling
- Floodplain Mapping
- Discovery Efforts
- Flood Insurance Rate Maps, Preliminary FIRMs, Post Preliminary Processing
- Flood Risk Products,
- Resilience Meeting, and Public Open Houses
- Community Engagement, Risk Communication, Technical Training

#### MEMBERS INVOLVED

- Jerri Daniels
- Sam Crampton
- Duncan Hastie
- Jarrett Mattli
- Kevin Slover
- Matt Deshotel
- Alyssa Dietrich
- Vanessa Garcia
- Ted Cassidy
- Seth Bradley
- Claire Pollard
- Hyejin Kim
- Daniella Llinas
- David Taylor
- Nick Jones
- Seng Chan
- Lani Oubre

FIRM NAME		DISCIPLINE(S)*	
Dewberry Engineers Inc.		Planning; Other (H&H modeling, FEMA/NFIP)	
Project name	Northwest Florida Water Management District Cooperating Technical Partners Program		Firm responsibility (prime or sub?)
Project number	N/A	Owner's name	Northwest Florida Water Management District
Project location	Multiple Counties, Florida; 14 Counties	Owner's Project Manager	John Crowe
Owner's address, phone, email	81 Water Management Drive, Havana, FL 32666   850.539.5999 x 226   john.crowe@nwfwater.com		
Services commenced by this firm (mm/yy)	12/06	Total consultant contract cost (\$1,000's)	\$27,600
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$14,400
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)			

Dewberry has continuously supported the District's Flood MAP Program since 2004, providing map modernization and **Risk MAP** services throughout its 16-county jurisdiction. Dewberry's experience on the District's projects has included **scoping, Discovery, riverine modeling, coastal analyses, DFIRM/FIS production, Risk MAP product development, post-preliminary processing, FIRM database development, MIP reporting, CNMS validation evaluations and outreach and website development activities**. We have helped the district deliver effective flood study products for 14 of its 16 counties, created over **6,800 miles of 2-D Level C BLE analysis** for eight of the district's watersheds, and has led the **coastal analyses for the district's 500+ miles of coastline** to provide information about the existing flood hazard in all flood prone areas in the watersheds to support the local official's floodplain management efforts. Additionally, Dewberry performed **139 miles of 1D steady state BLE analyses** for streams having contributing drainage areas extending beyond the limit of the scoped BLE watersheds. BLE floodplain mapping passing FEMA's Flood Boundary Standards (FBS) was developed along with depth grids, water surface elevation grids, and probability grids. H&H DCS spatial files were included in the deliverable package, along with H&H reports.

**REGULATORY ANALYSIS & MAPPING:** Our team has implemented a wide range of modeling methods for regulatory flood mapping and product development, including HEC-RAS, HEC-HMS, XP-SWMM (1D/2D), FLO-2D, and ICPR. Dewberry has been on the leading edge of emerging technologies, such as 2D hydraulic modeling, to solve complex inland modeling challenges.

**GIS APPLICATION AND WEBSITE DEVELOPMENT:** We developed several customized web-based applications for the District communities. We developed a FEMA-funded **Project Prioritization Selection and Cost Utilities tool to assist the District with Business and MAS planning**. These utilities assess a wide array of datasets and allow the District to provide weighted input and adjust scope expectations in order to meet program goals and priorities. In order to support state initiatives with making flood modeling more accessible, Dewberry created a web-based statewide model inventory using **FEMA's CNMS dataset**. This resource is filterable by water management district, watershed, or county.

**NON-REGULATORY PRODUCTS AND DATA DEVELOPMENT:** Dewberry has also developed Flood Risk Products for seven of the District's counties, including the creation of various datasets and the compilation of multiple Flood Risk Databases, Flood Risk Reports, and Flood Risk Maps. Datasets develop for the District have included CSLF, Depth & Analysis Grids, AOMI, and Flood Risk Assessments, including HAZUS Level 2 AAL and UDF feature analysis.

**COMMUNITY ENGAGEMENT AND PUBLIC OUTREACH PROJECTS:** Dewberry has coordinated and conducted all Risk MAP Program required meetings for a variety of projects, including Discovery, Flood Risk Review, Resilience, Final CCO/PDCC, and Public Open House Meetings. In addition, Dewberry has coordinated several enhanced community meetings, including project kickoff meetings and open house planning, advertisement, and coordination meetings.

#### FIRM'S ROLE

- CTP Business Plan Update
- Base Level Engineering
- Hydrologic Analysis
- Hydraulic Analysis
- Field Surveys
- Numerical Modeling
- Floodplain Mapping
- Discovery Efforts
- Flood Insurance Rate Maps, Preliminary FIRMs, Post Preliminary Processing
- Flood Risk Products, Resilience Meeting, and Public Open Houses
- Community Engagement, Risk Communication, Technical Training

#### MEMBERS INVOLVED

- Duncan Hastie
- Seth Bradley
- Kevin Slover
- Matt Deshotel
- Jake Lesue
- Barrett Goodwin
- Ted Cassidy
- Lani Oubre
- Noelle Baffa
- Hyejin Kim
- Daniella Llinas
- Tracey Gilbert
- Jarrett Mattli
- Nick Jones
- Seng Chan
- Mat Mampara
- Dien Ta
- David Taylor

FIRM NAME		Dewberry Engineers Inc.		DISCIPLINE(S)*		Planning; Other (H&H modeling, FEMA/NFIP)	
Project name	State of North Carolina Cooperating Technical Partners Program				Firm responsibility (prime or sub?)		Prime
Project number	N/A		Owner's name	State of North Carolina/NC Department of Public Safety			
Project location	Multiple Counties, North Carolina		Owner's Project Manager		Gary Thompson, PLS		
Owner's address, phone, email		1812 Tillery Place, Suite 105, Raleigh, NC 27604; 919.825.2310; gary.thompson@ncdps.gov					
Services commenced by this firm (mm/yy)		01/04		Total consultant contract cost (\$1,000's)			\$20,000
Services completed by this firm (mm/yy)		Anticipated 08/27		Cost of consultant services provided by this firm (\$1,000's)			\$20,000
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)							

The State of North Carolina Cooperating Technical Partners Program (NCFMP) is the largest, most comprehensive FEMA partner-initiated floodplain mapping program of its kind. For over 20 years, Dewberry has been a prime contractor to the State, providing a wide range of Map Mod and Risk MAP services. Initially, our Program Management Support was instrumental in establishing and enhancing the NCFMP by conceptualizing an overall approach to scoping, outreach, developing a business plan, and mapping activity statements. Our services have since grown to include basin-wide scoping, quality reviews of all H&H sub-basin analyses and flood insurance rate map (FIRM) products, post-preliminary processing of all FIRMs, FIRM database conversion, quality control of both riverine and coastal engineering analyses, processing MT-2 **letters of map change (LOMC)**, and a wide range of programmatic and IT support.

Dewberry has provided **programmatic support** since the inception of NCFMP. Services have included building a tailored workflow process, conceptualizing outreach strategies, designing public websites, advising the NCFMP on program issues (including preparing over 70 issue papers), and developing scheduling tools. Dewberry collaborated with the NCFMP, the North Carolina Geodetic Survey, and FEMA to develop LiDAR specifications to use for the state's mapping program.

We have continually enforced our position as a trusted advisor, managing broad ranging yet intricate program elements including:

- Performed **dam inundation mapping reviews** to efficiently validate technical quality within the state's tight budgetary and scheduling constraints. Dewberry maintained aggressive 10-day turnaround times for nearly all of the 678 dam inundation modeling and mapping reviews.
- Served as NC's primary **quality reviewer since the program initiation**, conducting reviews for all 100 counties in NC and providing technical accuracy and compliance with state requirements and FEMA regulations.
- Provided all **post-preliminary processing**, given our comprehensive experience successfully navigating these nuanced workflows.
- Performed **LOMC delegation tasks** including reviewing and issuing CLOMR's and LOMR's

#### FIRM'S ROLE

- Hydrologic Analysis
- Hydraulic Analysis
- Field Surveys
- LOMR Delegation
- Numerical Modeling
- Floodplain Mapping
- Flood Insurance Rate Maps, Preliminary FIRMs, Post Preliminary Processing
- Flood Risk Products, Resilience Meeting, and Public Open Houses
- Dam Safety Services
- Project Planning
- Program Management
- MAS Support

#### MEMBERS INVOLVED

- Sam Crampton
- Duncan Hastie
- Jarrett Mattli
- Kevin Slover
- Matt Deshotel
- Mat Mampara
- Ted Cassidy
- Lani Oubre
- Tracey Gilbert
- Daniella Llinas
- Payton Karr
- David Taylor
- Nick Jones
- Seng Chen
- Noelle Baffa



With the recent retirement of NCFMP's CTP Program Lead, **state leadership entrusted Dewberry to act as CTP Program Lead** until a suitable replacement can fill this critical program position. Dewberry is also the **sole contractor relied upon for Program Management Support**.



FIRM NAME		Dewberry Engineers Inc.	DISCIPLINE(S)*		Planning; Other (H&H modeling, FEMA/NFIP)	
Project name	FEMA Region 8 Risk MAP Production and Technical Services Contract, STARR II Joint Venture			Firm responsibility (prime or sub?)	Prime/JV Member	
Project number	N/A		Owner's name	FEMA, Region 8		
Project location	Region 8 (MT, CO, ND, SD, UT, WY)		Owner's Project Manager		Madeleine Pluss	
Owner's address, phone, email		Building 710, P.O. Box 25267, Denver, CO 80225; 202.322.5158; madeleine.pluss@fema.dhs.gov				
Services commenced by this firm (mm/yy)		09/22	Total consultant contract cost (\$1,000's)			\$30,000
Services completed by this firm (mm/yy)		Anticipated 09/30	Cost of consultant services provided by this firm (\$1,000's)			\$21,000
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)						

As part of the STARR II PTS JV, Dewberry supports **FEMA's Risk MAP Program by delivering production and program support services** for FEMA Zone 3, which includes FEMA Regions 8, 9, and 10. Dewberry is the JV lead partner in Region 8. The Risk MAP program focuses on identifying flood hazards and using this information to assess risks in order to support state and **local mitigation planning, risk awareness, and drive risk reduction actions**. Dewberry's support under PTS efforts includes a range of engineering analyses (**riverine and coastal**); flood hazard map production including **FIS's and FIRM's** and distribution; community Due Process facilitation; coordination of outreach and communication measures; multi-hazard identification and vulnerability assessments; FEMA HQ programmatic support; and more.

**HYDROLOGIC & HYDRAULIC ANALYSIS:** HEC models are our primary tools for H&H modeling, used in over 98% of FEMA Risk MAP riverine studies. Dewberry has applied HEC-HMS, HEC-SSP, and other software to perform traditional hydrologic analyses to determine peak flood discharges across 91,000+ square miles of BLE. We are pioneering the use of Stochastic Storm Transposition (SST) for estimating the properties of extreme rainfall for over 61,000 sq miles of hydrology in Wyoming, expanding to Montana in 2025. We've completed 6,100 miles of 1D and 2D HEC-RAS modeling, were early adopters of HEC-RAS 2D, and have modeled hundreds of detailed 2D stream miles under the PTS contract. Additionally, our team leveraged HEC 2D to rapidly model over 22,400 sq miles for the FEMA Probabilistic Flood Risk Assessment (PFRA) project.

**FLOODPLAIN MAPPING & GIS DATA DEVELOPMENT:** Under this contract, Dewberry has performed over 70 FEMA Risk MAP studies nationwide, resulting in the production of **DFIRM databases and over 1,750 FIRM panels** and related regulatory products, as well as non-regulatory Risk MAP products such as Changes Since Last FIRM (CSLF), depth grids, and HAZUS risk assessments.

**TRINITY RIVER, TX FFRD PILOT:** In November 2023, The STARR II Innovations team, with Dewberry as the lead, was primarily focused on supporting the Trinity River Future of Flood Risk Data (FFRD) pilot under the Interagency Reimbursable Work Agreements (IRWA) work package, while advancing other portions of the portfolio. In terms of new projects, STARR II has advanced a prospectus for the Hydraulic Mapping Techniques and Approaches for PTS review and led the project kickoff for the Open Source Tool Partnering project. This month's highlights include STARR II contributions to the IRWA, the Mandatory Purchase Requirement report to Congress, and the Mitigation Project Designer projects.

**PROJECT PLANNING SUPPORT:** Fiscal year project planning support to Region 8 Risk MAP lead staff. Dewberry task order management staff assisted with the **project planning for Risk MAP** phased support for communities that include **BLE, Discovery, Data Development, Preliminary Issuance** (including CTP data), **Post Preliminary Processing and Due Processing**. Dewberry sequenced projects so there would be no gap in schedules and communities obtain data on the most efficient schedule.

**MITIGATION PROJECT DESIGNER TOOL:** In partnership with FEMA HQ, our team conceptualized and prototyped the Mitigation Decision Support System. This project explores how the methodology and algorithms developed to estimate Return on Investment (ROI) for a catalog of 30 types of mitigation projects within MDSS can best be leveraged by the Natural Hazard Risk Assessment Program and FIMA, more broadly, to support constituent communities.

#### FIRM'S ROLE

- Hydrologic Analysis
- Hydraulic Analysis
- Field Surveys
- Numerical Modeling
- Floodplain Mapping
- Flood Insurance Rate Maps, Preliminary FIRMs, Post Preliminary Processing
- Flood Risk Products, Resilience Meeting, and Public Open Houses
- Project Planning
- Program Management
- MAS Support

#### MEMBERS INVOLVED

- Jerri Daniels
- Seth Bradley
- Barrett Goodwin
- Duncan Hastie
- Ted Cassidy
- Claire Pollard
- Matt Deshotel
- Lani Oubre
- Nick Jones
- Sam Crampton
- Daniella Llinas
- Payton Karr
- Katie Gronskey
- Isabel Rogers
- David Sutley
- Sam Fleming
- Hyejin Kim
- Mat Mampara
- David Taylor
- Stephanie Marsh
- Jarrett Mattli
- Kevin Slover
- Dien Ta
- Peyton Black
- Megan Hanifan
- Noelle Baffa
- Erin Kyle
- Zachary Srodulski
- Tracey Gilbert



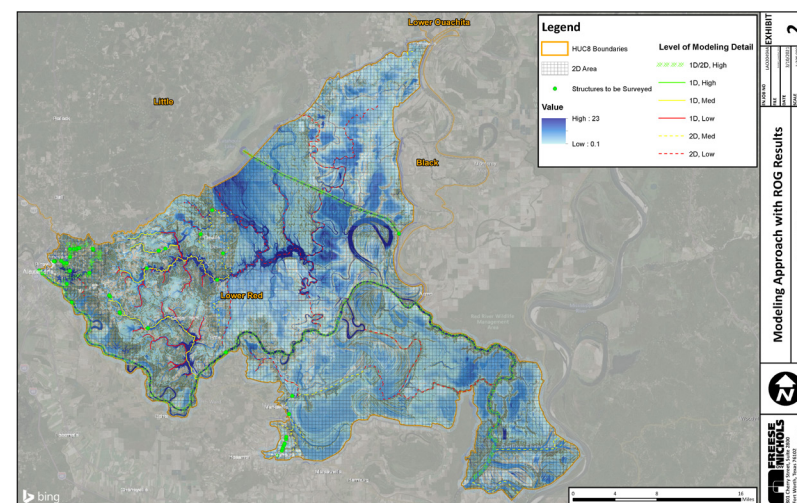
FIRM NAME		Freese and Nichols, Inc. (FNI)	DISCIPLINE(S)*		Planning; Other (Hydrology and Hydraulics)	
Project name	Louisiana Watershed Initiative (LWI) Region 2 Modeling Contract			Firm responsibility (prime or sub?)		Prime
Project number	LA DOTD: 4400017068		Owner's name	LA DOTD		
Project location	Baton Rouge, Louisiana		Owner's Project Manager		Billy Williamson, PE	
Owner's address, phone, email		1201 Capitol Access Road, Baton Rouge, LA 70802; 225-379-3023; billy.williamson@la.gov				
Services commenced by this firm (mm/yy)		10/20	Total consultant contract cost (\$1,000's)			\$18,000
Services completed by this firm (mm/yy)		Anticipated 07/25	Cost of consultant services provided by this firm (\$1,000's)			\$11,000
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)						



In 2016, Louisiana experienced two historic rain events and devastating floods. To address these flood problems and prepare for the future, Louisiana launched the Louisiana Watershed Initiative (LWI) in 2018, with an initial focus on improving H&H watershed models to more effectively reduce flood risk through improved decision-making.

FNI is working with the Louisiana Department of Transportation and Development (DOTD) for the LWI Modeling Contract encompassing Region 2. The five-year, \$18 million contract involves the development of **calibrated 1D/2D HEC-RAS models for use in consequence and risk assessment**, ultimately informing the implementation of flood risk reduction projects via watershed coalitions in coordination with parish, state and federal entities and includes analyzing more than 9,500 square miles in HEC-HMS for hydrology, 975 miles of 1D HEC-RAS and approximately 1,500 miles of 2D stream centerline in HEC-RAS for multiple recurrence intervals (2-, 5-, 10-, 25-, 50-, 100-, 100+-, 500- and 1,000-year events).

FNI's innovative project management approach is centered around the community, leveraging accurate watershed data and facilitating regional continuity of the H&H model development. FNI fully integrated **stakeholders** throughout the watershed and adjacent regions via the **discovery process by conducting public meetings**, developing surveys and public-facing interactive web maps, and presenting to external organizations on behalf of the LWI. The FNI team secured buy-in from local, parish, state and federal partners through accurate, complete, transparent and accessible data to provide a comprehensive floodplain management approach.



#### MEMBERS INVOLVED

- Jim Keith
- Bethany Fleitman

#### KEY PROJECT BENEFITS/FEATURES/INNOVATIVE SOLUTIONS:

- Multiple FNI watershed teams across geographies analyze multiple areas concurrently, substantially compressing the total project duration required for analysis
- Multiple watershed teams realize efficiencies in building familiarity and continuity working in the same area over during the study, building a trusted working relationship with regional stakeholders
- Accurate models and data empower communities and local governments to meet the demands of changing flood risk, supported by training and education for all stakeholders
- Survey capacity strength included three survey crews ready to mobilize and mitigate survey capacity risk
- Watershed-based modeling is driven by identifying flood reduction measures for local communities as a first priority, not as a regulatory update to the Flood Insurance Rate Maps

FIRM NAME		Freese and Nichols, Inc. (FNI)	DISCIPLINE(S)*		Planning; Other (Hydrology and Hydraulics)	
Project name	Statewide Base Level Engineering (BLE) Flood Risk Mapping			Firm responsibility (prime or sub?)	Prime	
Project number	Contract 2101792544		Owner's name	Texas Water Development Board		
Project location	Texas		Owner's Project Manager		Manuel Razo	
Owner's address, phone, email		1700 N. Congress Ave., Austin, TX 78701, 512-463-7847, manuel.razo@twdb.texas.gov				
Services commenced by this firm (mm/yy)		09/2021	Total consultant contract cost (\$1,000's)			\$4,600
Services completed by this firm (mm/yy)		12/2024	Cost of consultant services provided by this firm (\$1,000's)			\$2,800
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)						

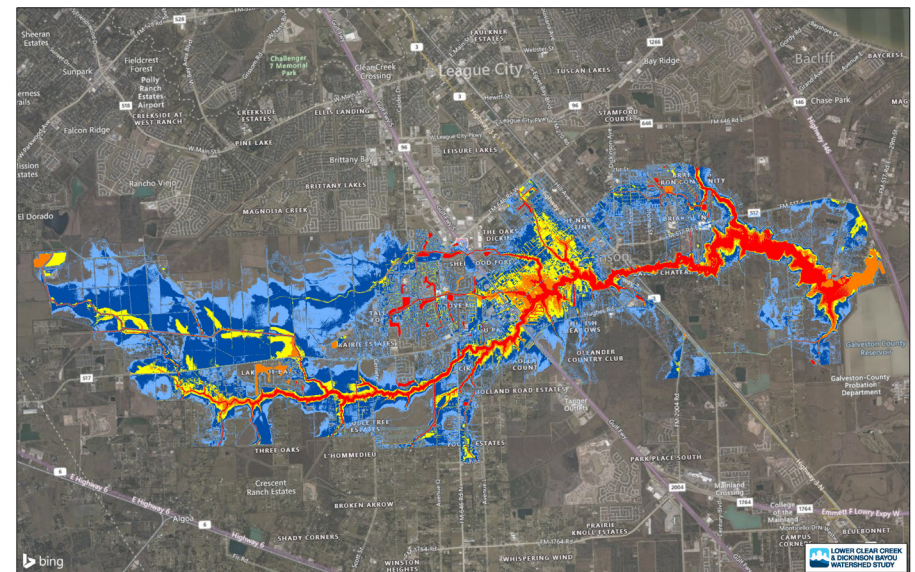
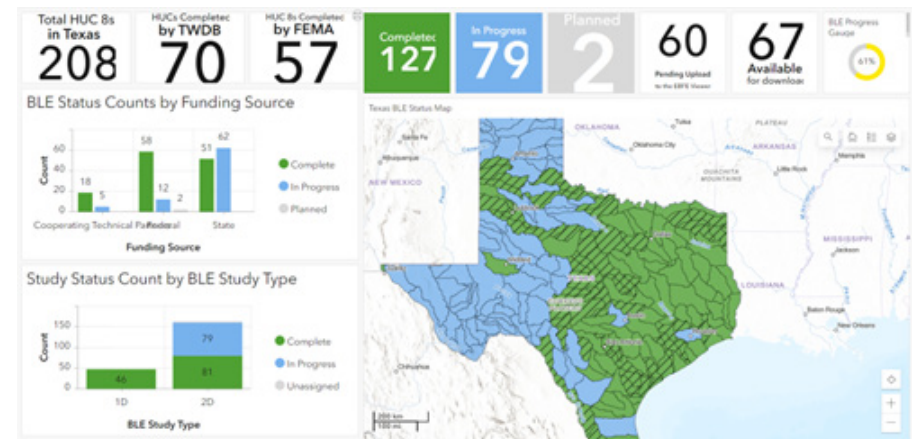


As a part of their **CTP Program**, Texas Water Development Board (TWDB) contracted with FNI to complete a **BLE** analysis for several hydrologic unit code (HUC)-8 watersheds to support **FEMA's discovery process and validation of effective Zone A floodplains**. To date, the FNI team is modeling 21 HUC-8 watersheds, creating model-backed floodplain data for more than 32,000 square miles.

The BLE process involves using the best available data and incorporating automated techniques with traditional model development procedures to produce regulatory-quality flood hazard boundaries for the 1% annual chance event as well as estimates of flood hazard boundaries for multiple recurrence intervals. FNI calculated flood discharges and water surface evaluations using the **rain-on-grid 2D modeling capabilities of HEC-RAS**, which translates rainfall into runoff based on an underlying terrain and various other physically based parameters.

FNI has worked with TWDB to establish best practices for the modeling and mapping of playas. FNI presented its recommendations during a series of workshops for the consultant teams completing the BLE analyses.

This will be key going forward as TWDB implements these practices for their other consultants in their **CTP agreement with FEMA** for more BLE data development on this contract.



#### MEMBERS INVOLVED

- Nick Board
- Bethany Fleitman
- Holly Ahumada
- Katie Koch

FIRM NAME		Freese and Nichols, Inc. (FNI)	DISCIPLINE(S)*		Planning; Other (Hydrology and Hydraulics)	
Project name	FEMA Production and Technical Services: ARC			Firm responsibility (prime or sub?)		JV Partner
Project number	N/A		Owner's name	Federal Emergency Management Agency (FEMA)		
Project location	FEMA HQ and Region 1, 2, 3, and 5		Owner's Project Manager		Rick Sacbibit	
Owner's address, phone, email		500 C Street SW, Washington, DC, 20472, 202-646-7659 rick.sacbibit@fema.dhs.gov				
Services commenced by this firm (mm/yy)		09/2021	Total consultant contract cost (\$1,000's)			\$22,400
Services completed by this firm (mm/yy)		09/2027	Cost of consultant services provided by this firm (\$1,000's)			\$22,400
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)						



FNI is a member of the Advancing Resilience in Communities (ARC) JV team, providing production and technical services (PTS), in support of FEMA's Risk MAP program. The ARC team supports Zone 1 and includes FEMA Regions 1, 2, 3 and 5. This contract reflects the third cycle of PTS procurement in support of the Risk MAP program.

**STANDARD OPERATIONS:** The scope of work for this yearly task order is to provide programmatic support to FEMA Headquarters and FEMA Regions 1, 2, 3 and 5. This includes supporting the following FEMA programs and/or control accounts:

- Program planning and policy
- Risk MAP IT and data management
- Disaster rapid response (e.g. forecasting)
- Dam safety (e.g. SME support for dam safety training, dam safety collaborative technical assistance, and review of federal dam safety guidelines, and technical manuals)
- Levee safety
- Coastal technical support
- Levee technical support
- Flood risk products
- Quality assurance, due process, and adoption
- Needs management, innovation, risk communication
- Natural Hazard Risk Assessment Program
- Mitigation planning and action

**NATIONAL TASK ORDERS:** This Federal Flood Risk Management Standard (FFRMS) was initially established via Executive Order 11988, revoked in 2017, and then reinstated via Executive Order 14030 (Climate Related Financial Risk) in 2021. This new standard increases the resilience of federally funded projects by incorporating anticipated changes in future flood risk into certain federally funded projects to ensure that they last as long as intended. ARC is developing the Freeboard Value Approach (FVA) floodplains and 0.2%-annual-chance Flood Approach, leveraging available digital effective data from Zone 1, and an ARC-developed automated tool (ARC FVA Tool) to meet the expedited schedule set forth by the White House.

- Discovery activities
- BLE
- LiDAR
- Field survey
- Coastal erosion mapping, coastal surge analysis, and coastal overland analysis outreach
- Levee analysis, levee floodplain mapping, and support of local levee partnerships
- H&H (1D and 2D) redelineation, floodplain mapping and flood risk products

FNI led the Hurricane Fiona Dam Safety task order and Puerto Rico Dam Safety Under Extreme Rainfall task order. The goals of these task orders were to improve the management of flood risks, including extreme rainfall events, related to dams in river basins in Puerto Rico. Tasks included data collection, extreme precipitation modeling, damage assessment, consequence analysis, H&H, model calibration, hazard mitigation recommendations and emergency action, and preparedness recommendations.

#### MEMBERS INVOLVED

- Mark Pauls
- Jim Kilnoski
- Alanna Jajeh
- Brian Edmondson



FIRM NAME		La Terre Engineering, LLC	DISCIPLINE(S)*		Planning	
Project name	Grand Bayou Freshwater Reintroduction Project			Firm responsibility (prime or sub?)	Sub	
Project number	N/A		Owner's name	Lafourche Parish Government		
Project location	Gray, LA		Owner's Project Manager		Morgan Degruise, PE (Prime)	
Owner's address, phone, email		197 Elysian Drive, Houma, LA, 985.219.1062, mdegruise@gisy.com				
Services commenced by this firm (mm/yy)		02/2023	Total consultant contract cost (\$1,000's)			\$750
Services completed by this firm (mm/yy)		Ongoing	Cost of consultant services provided by this firm (\$1,000's)			\$100
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)						



The Grand Bayou Freshwater Introduction Phase II and III aims to increase the flow of fresh water from the Atchafalaya River down to the Grand Bayou Canal via the Gulf Intracoastal Waterway. This increase in freshwater flow will reduce salinity in the Grand Bayou and surrounding marsh areas and preserve the integrity of essential marsh habitats in the region. The project will increase the flow of freshwater, redirect freshwater from Grand Bayou Canal into the marshes east and west of Grand Bayou Canal; creating 112 acres of fresh marsh; and nourish an additional 14 acres of intermediate marsh west of Grand Bayou Canal near Highway 24. La Terre is part of the design team responsible for Phase II and Phase III of the project. Phase II and III includes the following:

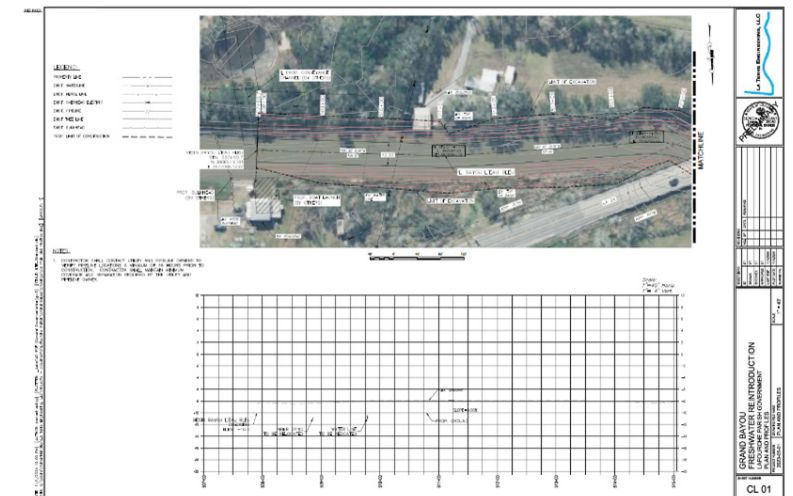
- Assist with **hydrologic and hydraulic (HEC-HMS and HEC-RAS) modeling**, including development of model scenarios needed for delineation of marsh areas of interest, hydraulic boundaries, proposed dredging and spoil placement, and identifying water control structures
- Data collection and analysis
- Develop model geometry
- Perform scour analysis and revetment recommendations
- Prepare 100% engineering and design package

#### FIRM'S ROLE

- Hydraulic and Hydrologic Analysis
- Scour Analysis

#### MEMBERS INVOLVED

- Seneca Toussant
- Lyle Tynes
- Roman Hundley



<b>FIRM NAME</b>	La Terre Engineering, LLC	<b>DISCIPLINE(S)*</b>	Planning
<b>Project name</b>	Steep Bayou Watershed Flood Prevention Plan	<b>Firm responsibility (prime or sub?)</b>	Sub
<b>Project number</b>	N/A	<b>Owner's name</b>	Boeuf River Soil and Water Conservation District
<b>Project location</b>	Rayville, LA	<b>Owner's Project Manager</b>	Andy Newman (Prime)
<b>Owner's address, phone, email</b>	1905 Aldrich Street, Austin, TX 78723, andy.newman@stantec.com		
<b>Services commenced by this firm (mm/yy)</b>	10/2021	<b>Total consultant contract cost (\$1,000's)</b>	Unknown
<b>Services completed by this firm (mm/yy)</b>	08/2023	<b>Cost of consultant services provided by this firm (\$1,000's)</b>	\$43
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)			



La Terre is providing engineering and watershed planning services as part of the Environmental Assessment and Watershed Plan development for the Boeuf River Soil and Water Conservation District for the Steep Bayou Watershed Project as part of the NRCS Small Watershed Program. The project consists of evaluating alternatives to increase drainage capacity to Steep Bayou and will include dredging, snagging and streambed rehabilitation to improve drainage into Boeuf River for the watershed containing 36,400 acres. LTE tasks include developing **hydrologic and hydraulic modeling**, development of alternatives, alternative cost estimates, and preparation of benefit cost analysis.

Key to the **hydrologic and hydraulic** analysis is ensuring that that projects result in **no-adverse impacts** and comply with both **FEMA regulations under 44CFR part 60.3** and **local floodplain and stormwater ordinance** requirements.



#### FIRM'S ROLE

- Hydraulic and Hydrologic Analysis
- Flood Control Structure Analysis

#### MEMBERS INVOLVED

- Seneca Toussant
- Lyle Tynes



FIRM NAME		La Terre Engineering, LLC	DISCIPLINE(S)*		Planning	
Project name	Louisiana Watershed Initiative White Castle Drainage Improvements			Firm responsibility (prime or sub?)		Prime
Project number	24MTR17702		Owner's name	Iberville Parish Government		
Project location	White Castle, LA		Owner's Project Manager		John Clark	
Owner's address, phone, email		58050 Meriam Street, Plaquemine LA, jclark@ibervilleparish.com				
Services commenced by this firm (mm/yy)		02/2022	Total consultant contract cost (\$1,000's)			\$290
Services completed by this firm (mm/yy)		02/2024	Cost of consultant services provided by this firm (\$1,000's)			\$180
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)						



La Terre provided engineering and grant preparation services to Iberville Parish for the White Castle Drainage Improvements project. The White Castle Canal serves as major drainage lateral for the rural portion of Iberville Parish and the Town of White Castle. The 4.5 mile canal conveys storm runoff from local residences, farms and businesses to Lake Natchez.

This project consists of the removal of accumulated sediment for approximately 4.5 miles of the channel bottom and immediate adjoining side slope to match historical grade lines. The project includes the removal of siltation above historical channel bottom grade lines and settled eroded materials on the bottom of the channel and the disposal of all excavated soils. La Terre's services included the following:

- Hydraulic and Hydrologic Analysis
- Benefit Cost Analysis
- Environmental Review & Permitting
- Preliminary and Final Design
- Construction Administration

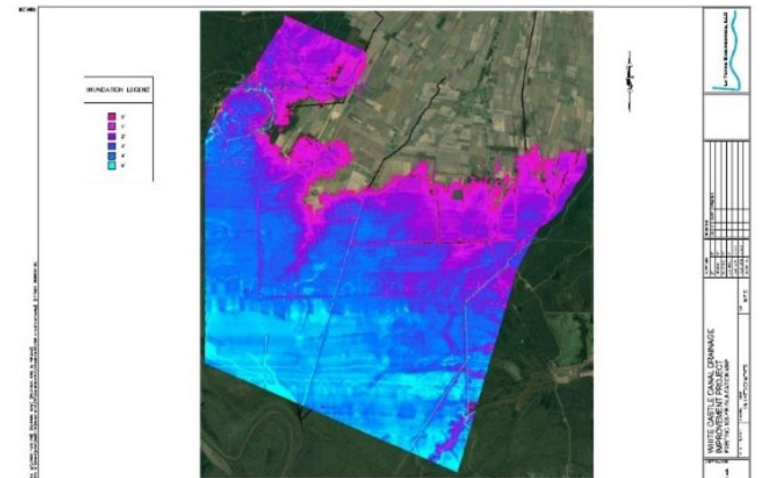
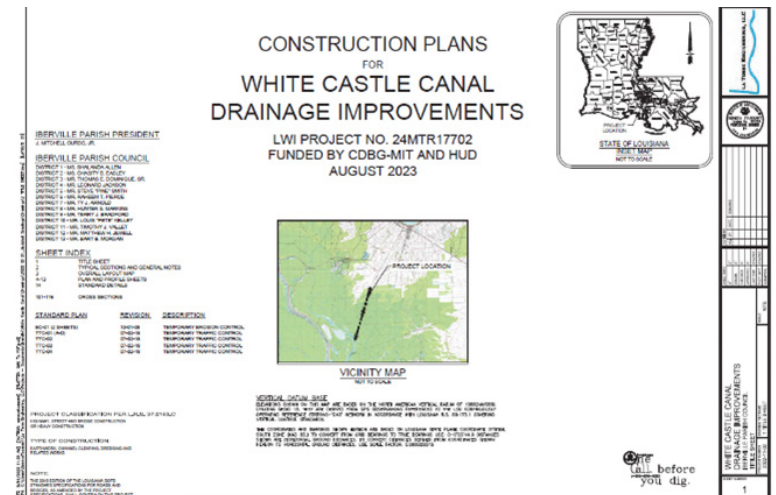
Key to the **hydrologic and hydraulic** analysis is ensuring that that projects result in **no-adverse impacts** and comply with both **FEMA regulations under 44CFR part 60.3** and local **floodplain and stormwater ordinance** requirements.

#### FIRM'S ROLE

- Hydraulic and Hydrologic Analysis
- Preliminary & Final Design
- Construction Administration

#### MEMBERS INVOLVED

- Seneca Toussant
- Lyle Tynes





FIRM NAME		Forte and Tablada, Inc.	DISCIPLINE(S)*	Survey, Data Collection, Other (public outreach/engagement, GIS mapping)	
Project name	Louisiana Water Initiative Region 7 Modeling Contract			Firm responsibility (prime or sub?)	Sub
Project number	LA DOTD: 4400017068		Owner's name	LA DOTD	
Project location	Louisiana—Statewide		Owner's Project Manager		Jie Gu, PE
Owner's address, phone, email		1201 Capitol Access Road, Baton Rouge, LA 70802-4438. Phone: 225.379.1483, email: Jie.Gu2@la.gov			
Services commenced by this firm (mm/yy)		07/2020	Total consultant contract cost (\$1,000's)		\$17,442
Services completed by this firm (mm/yy)		12/2024	Cost of consultant services provided by this firm (\$1,000's)		\$1,511
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)					



As a sub-contractor to Dewberry, Forte & Tablada performed research and **data collection** to obtain historic plans and surveys from USACE, DOTD, and local agencies to support Dewberry in the development of 8 HUC 8 level **HEC-HMS, HEC-RAS and HEC-FIA consequence models**. Forte & Tablada provided extensive data collection including **Bathymetric survey of major rivers** including the Amite River and Lower Pearl, as well as smaller urbanized creeks, bayous and canals including Bayou Manchac and Liberty Bayou, applying an array of techniques including, multi-beam and single beam surveys, all tied to LWI standard horizontal and vertical controls. Terrestrial survey included the innovative use of LiDAR scans for bridges and other hydraulic structures which provided Dewberry's modeling staff with comprehensive point cloud representations of the structures. To support economic models, Forte & Tablada reviewed **FEMA elevation certificates** for nearly 400 structures to validate the Louisiana Enhanced National Structure Inventory dataset which showed the strong potential for potential use in **mass FEMA LOMA/LOMR-F applications**. Forte & Tablada also participated in stakeholder engagement and outreach to communicate the modeling effort to local communities.

**Through the long-term partnerships between Dewberry and Forte & Tablada**, workflows between companies have been refined to meet both LWI and FEMA Guidelines and Standards which resulted in maximum efficiency, streamlined data interoperability between survey software and modeling/mapping software and maximum accuracy. Key to this success was the implementation of a joint survey team, whereby staff from both firms worked collaboratively to scope surveys to ensure essential data was captured for modeling while optimizing property access constraints and identifying potential alternative sites upfront. Forte & Tablada trained staff on how data would ultimately be used to ensure data met the needs of the hydraulic modeling team for streamlined coding of channels and structures.

In addition to Region 7, Forte & Tablada performed riverine and hydraulic structure survey for LWI Regions 1 and 6 for other regional contractors.



#### MEMBERS INVOLVED

- Chad Bacas
- Joey Coco
- Brad Holleman
- Trent Iglehart
- Tommy Lake
- Morgan Sanchez
- Jerri Daniels\*
- Seth Bradley\*
- Sam Crampton\*
- Matt Deshotel\*
- Lani Oubre\*
- Lyle Tynes, EI\*\*
- Roman Hundley\*\*

\*Prime Dewberry Staff

\*\* La Terre staff sub to Dewberry

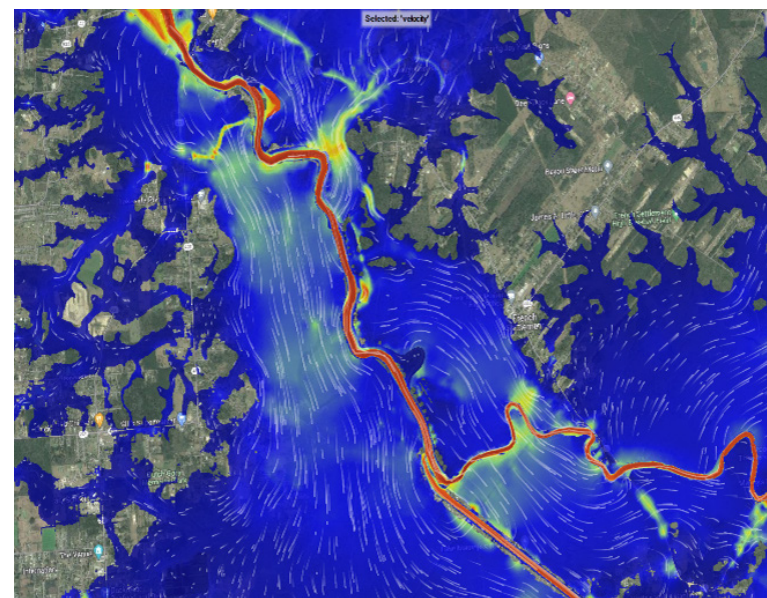
FIRM NAME		Forte and Tablada, Inc.	DISCIPLINE(S)*	Survey, Data Collection, Other (public outreach/engagement, GIS mapping)	
Project name	Louisiana CTP Program: Amite River Basin Numerical Model (ARBNM)			Firm responsibility (prime or sub?)	Sub
Project number	PO# 2000261901 Retainer Contract# 4400008293 LN: 1		Owner's name	LADOTD	
Project location	Louisiana—Statewide		Owner's Project Manager		Edward Knight, PE
Owner's address, phone, email		1201 Capitol Access Road, Baton Rouge, LA 70802-4438. Phone: 225.379.1483, email: jie.gu2@la.gov			
Services commenced by this firm (mm/yy)		05/2017	Total consultant contract cost (\$1,000's)		\$6,585
Services completed by this firm (mm/yy)		05/2019	Cost of consultant services provided by this firm (\$1,000's)		\$398
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)					



Following the August 2016 flood as a precursor to LWI, DOTD tasked Dewberry (Prime) and Forte & Tablada (sub) to develop the Amite River Basin Numerical Model (ARBNM) as a pilot study for LWI. This included **LiDAR collection, riverine and hydraulics survey, outreach, and development of a detailed watershed scale hydrologic (HEC-HMS), hydraulic (HEC-RAS) model**. Following completion, Dewberry and Forte & Tablada were selected through LWI to develop similar tools for seven additional HUC8 watersheds throughout Region 7 in addition to substantial updates and upgrades to the original ARBNM model.

Forte & Tablada performed **research and data collection** to obtain historic plans, and surveys from USACE, DOTD and local agencies to support Dewberry in the development of the ARBNM HEC-HMS, HEC-RAS and HEC-FIA consequence models. Forte & Tablada provided extensive data collection including control for airborne LiDAR collection, **Bathymetric survey** applying an array of techniques including, multi-beam and single beam surveys, all tied to **standard horizontal and vertical controls**. Terrestrial survey included the innovative use of LiDAR scans for bridges and other hydraulic structures which provided Dewberry's modeling staff with comprehensive point cloud representations of the structures. Forte & Tablada also participated in **stakeholder engagement and outreach** to demonstrate the best practices for survey development in support of hydraulic modeling which helped inform the development of LWI Guidance for Modeling Methodology.

During this project, Dewberry and Forte & Tablada developed and refined workflows between companies to ensure data met FEMA Guidelines and Standards (for potential future FEMA adoption) which resulted in maximum efficiency, streamlined data **interoperability between survey software and modeling/mapping software** and maximum accuracy. These workflows and lessons learned were the backbone behind the consequential teaming for the LWI Region 7 modeling contract.



#### MEMBERS INVOLVED

- Chad Bacas
- Joey Coco
- Tommy Lake
- Seth Bradley\*
- Jerri Daniels\*
- Sam Crampton\*
- Matt Deshotel\*
- Ted Cassidy\*
- Lani Oubre\*
- Peyton Black\*
- Jake Lesue\*
- David Taylor\*
- Megan Hanifan\*

\*Prime Dewberry Staff



FIRM NAME		Forte and Tablada, Inc.	DISCIPLINE(S)*	Survey, Data Collection, Other (public outreach/engagement, GIS mapping)	
Project name	Amite River Basin Commission Master Plan			Firm responsibility (prime or sub?)	Sub
Project number	Contract # 23-001		Owner's name	Amite River Basin Commission	
Project location	Louisiana—Statewide		Owner's Project Manager		Paul Sawyer
Owner's address, phone, email		3535 S Sherwood Forest Blvd Ste 135, Baton Rouge, LA 70816. Phone: 225.296.4900, email: psawyer@amitebasin.org			
Services commenced by this firm (mm/yy)		05/24	Total consultant contract cost (\$1,000's)		\$3,270
Services completed by this firm (mm/yy)		05/25	Cost of consultant services provided by this firm (\$1,000's)		\$336
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)					



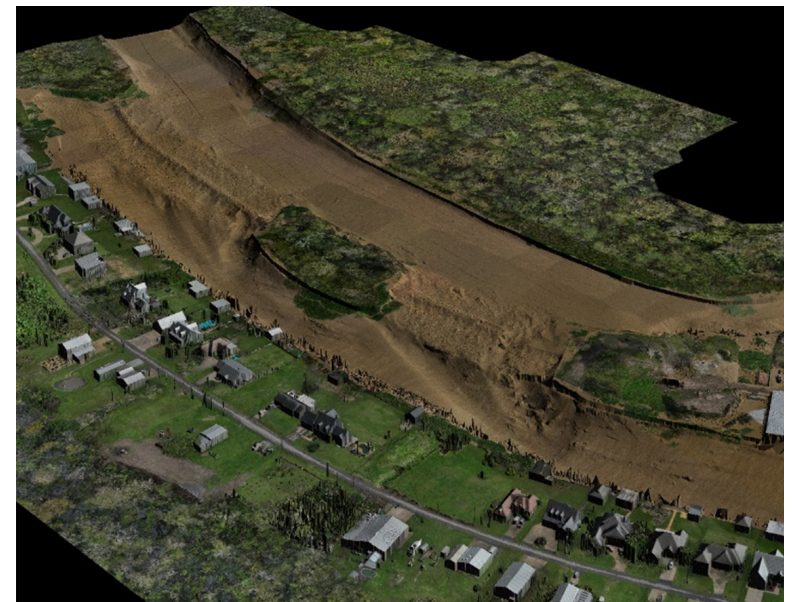
As a subcontractor to Dewberry and working with La Terre Engineering, Forte & Tablada were a critical teaming partner for the development of the May 13, 2025, Amite River Basin Commission Master Plan.

**FLOODPLAIN AND STORMWATER ORDINANCE RECOMMENDATIONS:** Forte & Tablada developed a process for reviewing **floodplain and stormwater ordinances** for all 7 ARBC parishes and major municipalities to identify inconsistencies, best practices and making recommendations for **model ordinances to improve resilience**. In close coordination with Dewberry, recommendations including higher freeboard requirements were quantified using LWI HEC-FIA consequence models which demonstrated the potential for **\$11 million of average annual losses avoided over a 25-year period**.

#### COMPARISON OF LWI AND EFFECTIVE FEMA MODELS AND FLOOD INSURANCE RATE MAPS:

Working in collaboration with Dewberry, Forte and Tablada determined that the average age of FEMA studies within the ARBC jurisdiction was 33 years old and that the effective **FEMA Special Flood Hazard Area resulted in over 30,000 structures** within the ARBC jurisdiction that were only included due to poor quality effective models and topographic information used to delineate floodplains. Recommendations were provided to ARBC on additional engineering required to make LWI models **"FEMA Ready"** which included development of floodways. Several processes were presented which included **partnering with the DOTD CTP program** to update the FEMA Flood Insurance Studies and Maps for ARBC communities.

**SURVEY AND DATA COLLECTION:** Forte & Tablada performed extensive data collection and survey of hydraulic structures and channels within the ARBC to support updated HEC-RAS models including sediment transport models.



#### MEMBERS INVOLVED

- Chad Bacas
- Joey Coco
- Brad Holleman
- Trent Iglehart
- Tommy Lake
- Morgan Sanchez
- Jerri Daniels\*
- Seth Bradley\*
- Sam Crampton\*
- Matt Deshotel\*
- Lani Oubre\*
- Elaine Montes\*

\*Prime Dewberry Staff

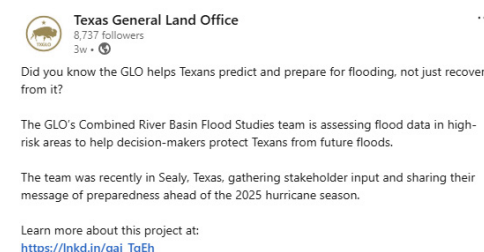
FIRM NAME		H2O Partners, Inc.	DISCIPLINE(S)*		Other (Outreach Specialist)	
Project name	Texas General Land Office Combined River Basin Flood Study				Firm responsibility (prime or sub?)	Sub
Project number	TGL20583		Owner's name	Texas General Land Office (GLO); Freese and Nichols and Dewberry prime contractors		
Project location	Government and Contractor Site		Owner's Project Manager		Krista Bethune Melnar (Freese and Nichols)	
Owner's address, phone, email		10431 Morado Circle Bldg 5 Suite 300, Austin, TX 78759; 512-586-0104; krista.melnar@freese.com				
Services commenced by this firm (mm/yy)		04/2020	Total consultant contract cost (\$1,000's)			Unknown
Services completed by this firm (mm/yy)		Ongoing	Cost of consultant services provided by this firm (\$1,000's)			\$958,263
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)						



H2O Partners serves as the **outreach lead** for the Central Region of the Texas General Land Office (GLO) Combined River Basin Flood Study, **subcontracting with Freese & Nichols and Dewberry**. The mission of the Study is to work with counties and municipalities to identify cost-effective mitigation projects that can reduce the loss of life and structures during flood disasters. The H2O team **translates complex flood modeling data into comprehensible language for stakeholders** and flood-affected communities. These groups will use the data to identify possible flood mitigation projects

and potential funding sources, so it is important that they understand the flood risks they face and have solid data on which to base their mitigation project goals. H2O's coverage area for GLO encompasses 20 counties and 10,000 miles of streams and an estimated population of 6.6 million people in Hurricane Harvey affected areas of South-Central Texas. The South-Central Texas region has historically contained high populations of Spanish speakers and large pockets of rural areas between bustling metroplexes, making the need for inclusive outreach strategies that effectively communicate risk to constituents a high priority in this project. The H2O outreach team collaborates with counties and regional organizations to deliver unified messaging and provide resources to enable the communities to develop and locate funding for potential infrastructure projects.

To ensure consistency across the Study's wide service area, H2O has seamlessly coordinated with the GLO, other regional teams, and partner entities. The firm successfully planned and executed **extensive outreach and data collection efforts** to ensure community commitment and the representation of best available data for the development of **flood modeling**. A wide range of engagements were implemented, including interactive **GIS-mapping workshops, community assessment surveys, and targeted stakeholder meetings**. These engagement methods focused on establishing relationships and building trust with communities in the Region, ensuring success in future communication efforts within this five-year Study.



**Freese, Dewberry & H2O in partnership with GLO presented at a recent community outreach meeting describing flood risk models highlighted in the social media post above.**

#### MEMBERS INVOLVED

- Will Parker
- Mat Leclair\*
- Brian Edmonson\*
- Holly Ahumada\*
- Nick Boardman\*
- Alanna Jajeh\*
- Matt Pauls\*
- Seth Bradley\*\*
- Sam Crampton\*\*
- Jake Lesue\*\*
- Jerri Daniels\*\*
- Elaine Montes\*\*
- Lani Oubre\*\*
- Claire Pollard\*\*
- Payton Karr\*\*
- Mat Mampara\*\*

\*Prime Freese & Nichols Staff

\*\*Sub Dewberry Staff

FIRM NAME		H2O Partners, Inc.	DISCIPLINE(S)*	Other (NFIP SME/Technical Trainer); Other (Outreach Specialist)	
Project name	NFIP Stakeholder Education, Training Development, and Delivery Services			Firm responsibility (prime or sub?)	Sub
Project number	47QREB19D0015/70FA6023F00000028		Owner's name	FEMA Federal Insurance and Mitigation Administration (FIMA)	
Project location	Government and Contractor Site		Owner's Project Manager		Lorraine Gloster (COR)
Owner's address, phone, email		400 C St. SW, 6SW-4002, Washington, DC 20472; 202-212-7115; Lorraine.Gloster@fema.dhs.gov			
Services commenced by this firm (mm/yy)		04/2023	Total consultant contract cost (\$1,000's)		\$9,899
Services completed by this firm (mm/yy)		04/2025	Cost of consultant services provided by this firm (\$1,000's)		\$8,249
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)					



As provider of **FEMA's NFIP Stakeholder Education services since 2008**, H2O Partners' directive has been to provide **NFIP stakeholder education, training development and delivery services to provide basic, intermediate and advanced flood insurance training needs of insurance agents, claims adjusters and other program stakeholders**. In H2O's tenure as contractor for the NFIP Stakeholder Education services contract (from September 2009 through April 2025), H2O's team of instructional designers and SMEs provided logistical and planning support for training delivery both in-person and virtually, developed and maintained classroom, webinar, and online training materials, actively coordinated with state department of insurance, FEMA regional insurance liaisons and other third-party vendors to maintain a nationwide database of stakeholders, disseminated bulletins to announce new courses, established training locations and priorities, and maintained agent webinar course approvals in 50 states and Washington D.C. **To date, H2O has trained more than 500,000 NFIP stakeholders across all FEMA regions**, in and outside the continental U.S.

#### MEMBERS INVOLVED

- Mark Lujan

A CPARS report is available for this contract. Throughout H2O's service provision as prime contractor for this contract, CPARS ratings remained high, with 85% of rated items scored as "Exceptional" or "Very Good," and Management rated "Exceptional" for each contract year.

An example of H2O's innovation and adaptive management of contracted deliverables was the H2O team's immediate pivot from live, instructor-led training to a webinar format when the COVID-19 nationwide shutdowns began in 2020. This team quickly reformatted the NFIP curricula to fit an online delivery modality and re-arranged the delivery schedule to meet the needs of the NFIP agent and adjuster audience. H2O didn't miss a class and finished the training cycle with a record for attendance on one of our nation's most disrupted business cycles.

H2O played a critical role in FEMA's Risk Rating 2.0 roll-out, actively communicating the new process of policy risk assessment and pricing. H2O remains a trusted partner in program reform as FIMA looks to update policy forms in the near future.



"H2O has a committed workforce along with team commitment to excellence. H2O ensures all staff are subject matter experts in the workshop topics for which they present. H2O has had very little turnover which implies a team that has a passion for the program. Most SMES have 20+ years of experience, which allows for a thorough knowledge of the program and its many nuances."

– Base Year CPARS (GS02F0087U/HSFE60-17-F-0013)

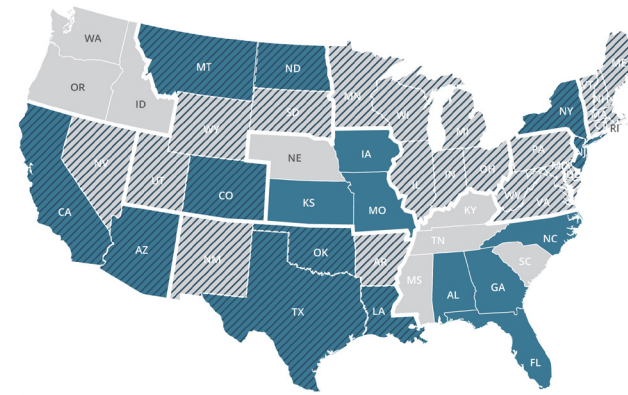


**18. Approach and Methodology:** Provide a description of how the work will be performed and provide the proposed project schedule. Include any additional information or description of unique resources that are planned to be used to produce the deliverables. Include any proprietary technologies, methods or approaches that will be used on this project to improve quality or efficiency. If the proposal is for an IDIQ contract, the consultant should review the scope of services in Attachment A to the advertisement to obtain a general understanding of what a typical task order would entail. Based upon that understanding, the consultant should provide a sample schedule to demonstrate sufficient understanding of a typical task order. The duration of the task order is not required. This section shall be limited to four pages. If more than four pages are included, all pages after the fourth page will not be evaluated.

### HISTORY WITH DOTD & FEMA MAPPING PROGRAMS

Dewberry is proud to have a long, consistent relationship with LA DOTD since before the creation of the CTP program in 2015 and was instrumental in supporting the establishment of the program. Since that time, the agency has become a leader in developing flood risk information for Louisiana, whether through the FEMA program or the Louisiana Watershed Initiative. The Dewberry team includes industry leaders in both of those programs, including Freese and Nichols.

Nationally, we have worked with FEMA since the inception of the NFIP and 21 CTP programs during both Map Modernization and Risk MAP. This experience brings expertise not only in local approaches but also best practices across the country. Because of our team's history of serving LA DOTD as a client, we know which of these national approaches would best serve our Louisiana communities. **Of our 21 CTP clients, 13 have been state-wide CTP programs.** Our team is positioned to provide Risk MAP program expertise to our CTP clients due to our significant involvement as a FEMA Production and Technical Services (PTS) contract holders for 20 years.



■ CTP Risk MAP Clients    ▨ FEMA Regional Risk MAP Experience

Since 2002, the Dewberry team has served **21 CTP clients** nationwide with experience in **9 out of 10 FEMA regions**, including **FEMA Region 6** and the **Louisiana CTP Program**.

We created a team that will be a full-service provider to DOTD for both your CAP-SSSE and CTP Risk MAP programs. **In addition to NFIP Coordinators, our team is supported by community ordinance and compliance SMEs that are skilled in connecting technical data with effective and efficient floodplain management decisions.** They work directly with the Floodplain Management and Insurance Branch (FMI) of several regions through PTS contracts. They also inform compliance policies and procedures with FEMA HQ. These SMEs will be brought to Louisiana to assist your program in whatever capacity necessary.

For Fiscal Years 22, 23 and 24, as lead for Region 8, Dewberry has consistently received **consecutive Contractor Performance Assessment Reporting System (CPARS) ratings of Excellent** for **Quality, Schedule, Cost Control, and Management**. This is the **highest rating** that can be achieved indicating that we are **exceeding contractual requirements** and benefitting our client, FEMA.

### DURING THE 20 YEARS OF THE NATIONAL RISK MAP PROGRAM, DEWBERRY HAS WORKED ON:

**500**  
Risk MAP Meetings

**460+**  
Flood Insurance Studies

**1,300+**  
Non-regulatory Products Produced for Communities

**41,725+**  
Miles of H&H Study

**18,250+**  
Preliminary FIRM Panels

**160,000+**  
Square Miles of Base Level Engineering (BLE)

**3,300+**  
Miles of Shoreline and Coastal Studies for 55 Counties

**15,000+**  
Effective Flood Products Issued

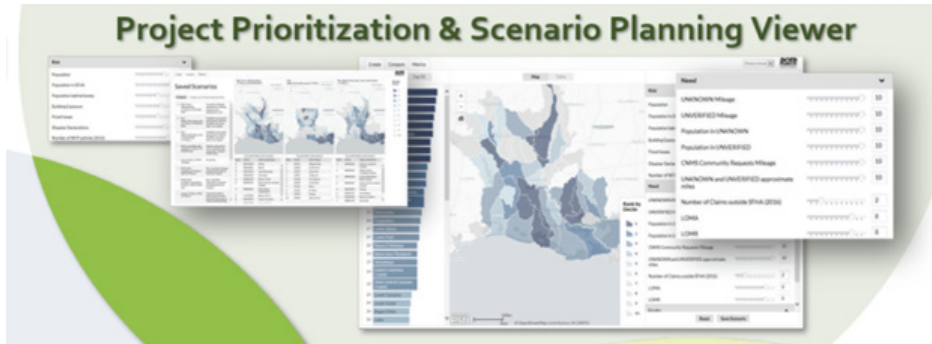
**2,200+**  
Community Floodplain Ordinance Reviewed

### PROGRAM MANAGEMENT & SCHEDULE

Dewberry previously developed a tool (**Figure 1, page 86**) that generates project ranking results that can be a direct input for your NFIP Strategic Plan and annual business plan. Each year, or more frequently as new information becomes available, the tool can be refreshed with projects purchased by FEMA, and the subsequent results can be rolled into a new plan. All this information is backed by GIS data for metrics that can easily be provided to FEMA to justify project funding and calculate any leverage if available.

As FEMA Regions adjust to fluctuating funding levels, CTP funds are becoming more competitive. Our tool will help you select projects that can **maximize your share of funding** by prioritizing projects that will most effectively meet Risk MAP metrics and be more likely to **generate the most FEMA match** for your program.





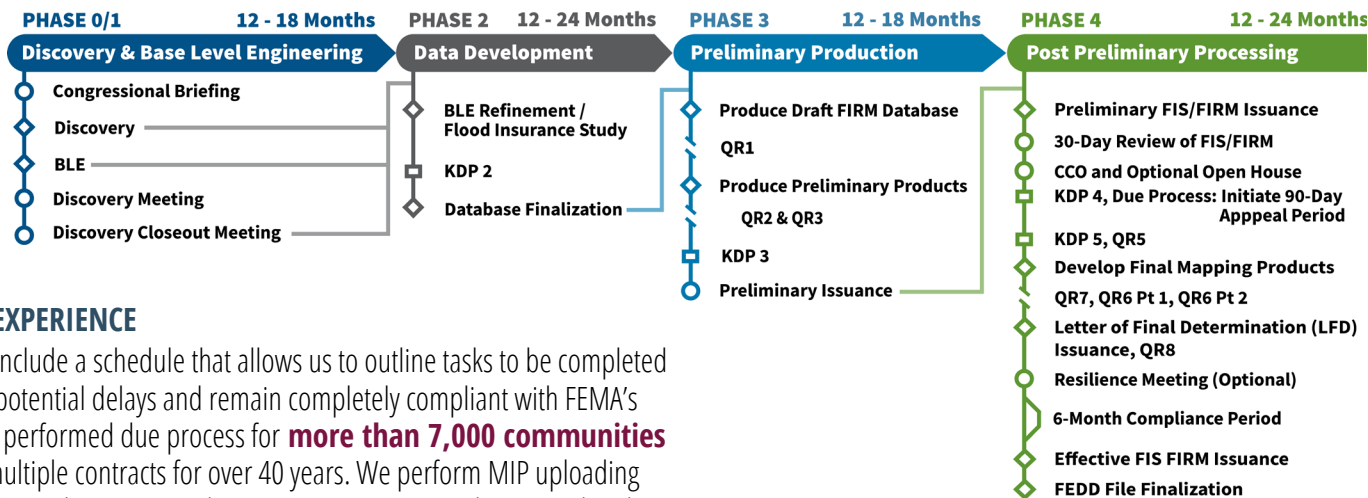
**FIGURE 1** Project Prioritization and Scenario Planning Viewer created by Program Advisor, Jerri Daniels, for Louisiana CTP Program in previous contract to assist in business planning.



This prioritization tool can be **easily updated** with current technologies and efficiencies for DOTD program management staff to use in collaboration with FEMA on purchasing decisions.

Because we understand how your procurement timeline fits into the Risk MAP Timeline and schedule as seen in **Figure 2** below, we work to keep community projects on track avoiding delays due to grant schedules and KDP approvals. These projects take a long time and keeping communities involved takes particular care and skill. Our engineers, GIS staff, planners and outreach staff are engaged at every phase of Risk MAP projects to ensure schedules are met and MIP deliverables meet quality standards.

**FIGURE 2**  
Risk MAP Project  
Timeline



## CNMS AND MIP EXPERIENCE

Our keys to success include a schedule that allows us to outline tasks to be completed in advance to avoid potential delays and remain completely compliant with FEMA's guidelines. We have performed due process for **more than 7,000 communities** nationally through multiple contracts for over 40 years. We perform MIP uploading (including NVUE and KDP data), ensure that MIP project status tracking is updated monthly as required, and update CNMS upon project completion. This ensures Risk MAP metrics for FEMA Region 6 and HQ are updated as necessary and met for Louisiana.

## AVAILABILITY, WORKLOAD, AND DEPTH OF RESOURCES

Dewberry has ample capacity to perform the work required for LA DOTD's program. We have multiple tools and processes to monitor workload and staff resources for all clients and services.



Project Manager Seth Bradley has been leading **over 30 full-time employees** supporting the Louisiana Watershed Initiative program, ending May 2025. These staff members been working in depth in Louisiana for the **past five years** and are **now available to CTP projects**.

In addition, Dewberry has a deep resource pool of skilled professionals who have dedicated their careers to FEMA's NFIP and Risk MAP programs and includes **over 175 total staff** with FEMA floodplain mapping experience and **77 licensed Certified Floodplain Managers**.



Our current and projected resources and staffing capacity have us poised to easily complete even the **highest anticipated volume** of work for LA DOTD and the CTP Program.



## PROGRAM ADVISOR

Jerri Daniels (left) seen here performing **substantial damage estimations** after a flood of record in Louisiana.

## DISCOVERY &amp; BASE LEVEL ENGINEERING



Goal: Work with communities on mapping needs for flood risk and leverage the best data available.

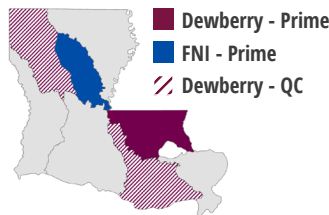
- Our team has performed BLE in all primary geologic regions, applying a variety of techniques, including steady-state 1D and 2D HEC-RAS, as well as rain-on-mesh pluvial modeling.
- Dewberry's experienced team has represented various geologic conditions in large-scale H&H modeling across the country, and our team knows how to identify, isolate, and appropriately parameterize these variations for accurate results.
- We will provide LA DOTD with a team of industry leaders in the application of 2D modeling to simulate complex diverging and unconfined floodplain situations more accurately, as often found across Louisiana.
- Our team has a history of working with the Region 6-developed BLE data for communities and can advise on how to best leverage these datasets.

**PROJECT PROOF.** In Wyoming, Dewberry is developing draft map dashboards for users to add comments and concerns. Not everyone needs to attend the Discovery meeting to provide input to the FEMA process.

Modeling within LWI Regions 7 & 9 shows a **50 square mile decrease** in the floodplain, which incorporates an **additional 148 river miles** when compared to the FEMA SFHA.

## EXPERIENCE AND KNOWLEDGE LEVERAGING LWI MODELS

- We have experience leveraging LWI data for Louisiana communities, including the ARBC Masterplan, St. John the Baptist Parish, and Livingston Parish and received positive feedback regarding leveraging LWI models to update FIRMs.
- If communities want to leverage this data for a FIRM update, our team can advise on how best to proceed using our knowledge of BLE and LWI data.
- Where LWI data coverage is insufficient, but BLE coverage is available, both models will be evaluated for quality and level of effort before being incorporated into the larger model dataset, ensuring the best available data is leveraged to identify flood risk.



**FIGURE 2** Our team has more knowledge of the LWI models in Louisiana than anyone else.



Dewberry is the **most qualified** team to guide the state through a program with FEMA to **update FIRM mapping** by leveraging LWI or BLE models.

## DATA DEVELOPMENT / BLE REFINEMENT



Goal: Ensure leveraged 2D models meet new floodway modeling standards and floodplain mapping standards.

- 2D floodway modeling remains a national issue and there are 1,340 miles of floodways in 31 parishes in Louisiana.
- Dewberry has developed 2D floodways and is experienced using both FEMA-approved encroachment methodologies: *Depth x Velocity* and *Australian Flood Hazard Curves*.
- Dewberry has modeled 2D floodways in multiple geographies, including Colorado, Florida, New York and Texas. Our 2D floodway experience also includes quality control reviews in FEMA Region 8 for other FEMA CTP mapping partners. This experience is critical for LA DOTD to leverage LWI or BLE modeling to improve the accuracy of FIS's and FIRM's for Louisianians.
- Once the modeling is more current, floodplain mapping approaches are standardized using our GeoFIRM+ tools to meet Floodplain Boundary Standards for FEMA Deliverable standards.
- In addition to the GeoFIRM+ toolset, Dewberry has also developed a suite of Python scripts that greatly increase efficiency in hydrologic modeling, hydraulic modeling, floodplain mapping, and quality control reviews. These tools are applicable for all levels of FEMA studies and allow our modelers to focus on the quality of the end product.
- Near the end of Data Development, we have created interactive methods for Flood Risk Review that make it easier for all communities to review and comment on data, helping to ensure no appeals during the due process phases to come.



## GeoFIRM+

The GeoFIRM Plus tool automation supports the efficient development of consistent FEMA compliant FIRM and Risk MAP products, allowing us to focus less on routine, repetitive processes and more on tasks requiring detailed engineering judgment to provide LA DOTD with a quality end product. Innovations include:

- BLE Toolset
- Automated Stream Naming Tool
- Automated Breakline and Burnline Development Tool
- Smart Hydro Enforce Tool
- Delineate BLE Floodplain
- Floodplain Mapping Classification Tools
- BLE 1D to 2D Tie-in Tool
- BLE Viewer Masking Tool

## PHASE 3

12 - 18 MONTHS

## PRELIMINARY PRODUCTION



Goal: Bring data created through the regulatory process efficiently with little to no appeals.

- Our team is a leader in the FIRM production industry, led by longtime program veterans who have produced thousands of FIRMs.
- Dewberry has received firsthand exposure to AMP's workflow and output through our support of FEMA's test sprint activity and has successfully utilized AMP on numerous studies in Region 8, including large-scale 2D-BLE studies.
- Through the PTS contract, you will have two team members (Dewberry and Freese) participating in monthly calls with FEMA HQ post-preliminary leadership. This will give them advanced insight into upcoming program and process changes that can be passed on directly to you.
- Our team includes NFIP and Risk MAP training experts with a long history in the programs and in Region 6.
- Our Virtual Open House solution, developed during the 2020 pandemic, has been implemented for over 20 counties in Region 4, becoming a **National FEMA Best Practice**.
- Resource and training library: standardization, easy access to all partners, template creation.
- Dewberry led the team that developed the **levee data maintenance standard operating procedure**, which is compliant with 44 CFR 65.10. The procedure aims to incorporate continuous improvement of levee data into the National Levee Database (NLD) at USACE for FEMA Headquarters.
- Resilience Planners on staff who understand Risk MAP product delivery and Mitigation Technical Assistance to ensure communities have the resources they need to use the data delivered to apply for grants as desired.
- We innovate for outreach, both low-tech and high-tech. We created the Flood Information Guide Atlas for West Carroll Parish, which became a **National FEMA Best Practice**.
- For our GA CTP client, we created an online BLE Resilience Dashboard. We meet our communities where they are.



## PHASE 4

12 - 24 MONTHS

## POST PRELIMINARY PROCESSING

## FLOODPLAIN MANAGEMENT AND COMMUNITY ASSISTANCE PROGRAM – STATE SUPPORT SERVICES ELEMENT (CAP-SSSE)



Goal: Maximize CAP-SSSE and training resources to deliver floodplain management technical assistance to communities participating in the NFIP.

- Subject matter experts have strong connections to FEMA CERC and Mitigation Planning teams.
- Led NFIP compliance trainings on behalf of FEMA.
- Comprehensive understanding of FEMA programmatic transitions, including the shift from CAVs and CACs to the NFIP Compliance Audit.
- Extensive experience with NFIP compliance reporting and improvement plans, including Ordinance Reviews and CRS credit evaluation and strategy.
- Thorough evaluation of floodplain management programming and strategic planning to improve Tiered State Framework (TSF) assessment performance.



We are uniquely qualified to help you navigate transitional changes within FEMA and to provide the most accurate and applicable information to communities affected by program updates. Our team has the expertise and experience to **bolster your CAP-SSSE-funded programming** and to identify opportunities to **raise your Tiered State Framework (TSF) score**.

## REVIEWING AND IMPROVING STATE MODEL FLOODPLAIN MANAGEMENT ORDINANCES IN LOUISIANA

**Dewberry** and **Forte & Tablada** have performed comprehensive **reviews of floodplain and stormwater management ordinances for 7 parishes** within the Amite River Basin Commission jurisdictional area, in addition to St. John the Baptist Parish, where recommendations made for ordinance improvements leverage both local and national best practices. Further, **Forte & Tablada** provide ordinance review and support implementing FEMA NFIP and local ordinance requirements for Livingston and East Feliciana Parishes, in addition to numerous municipalities.



## FULL SERVICE TO THE AGENCY FOR THE NFIP PROGRAM WHETHER COMPLIANCE (CAP-SSSE) OR RISK MAP

The ultimate goal of creating, sharing, and utilizing new flood risk data is to keep people safe. Dewberry delivers each phase of our services with the end goal in mind. We bring full-service and cohesive expertise in the National Flood Insurance Program to the agency so that communities are equipped to build resilience and effectively interrupt the disaster-damage-rebuild cycle.

**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**
Dewberry Engineers Inc.	Survey	2000660906 2000412071	GIS support for Statewide Topographic Mapping Program	\$60,000 Contract expires May 2025
Dewberry Engineers Inc. (sub to Atkins)	Other (H&H)	440001067 (Unknown to Dewberry)	LWI Region 1, Task Order 4	\$70,131
Dewberry Engineers Inc. (sub to Michael Baker)	Other (H&H)	4400017092 (Unknown to Dewberry)	LWI Region 6, Task Order 4	\$19,364
Dewberry Engineers Inc. (sub to Freese and Nichols)	Planning	4400027092 H.016254.1	LA DOTD Transportation Resilience Improvement Plan (January 2025)	\$ 546,516
Dewberry Engineers Inc.	Other (H&H)	4400017093 2000842889	LWI Region 7, Task Order 4	\$374,077
Freese and Nichols, Inc.	Other (H&H)	4400017068 2000856676	LWI Region 2 Modeling – Task Order 4	\$693,368
Freese and Nichols, Inc.	Other (H&H)	4400023102 H.015042.1	TO1 – Bayou Cocodrie Structure Modification	\$307,928
Freese and Nichols, Inc.	Other (H&H)	4400027092 H.015869	Vernon Lake Repair	\$654
Freese and Nichols, Inc.	Other (H&H)	4400027092 TBD	HHPD Grant Support	\$78,928
Freese and Nichols, Inc.	Other (H&H)	4400027092 H.016254.1	Statewide Transportation Resilience Plan	\$799,934



**19. Workload:**

<b>FIRM(S) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE</b>	<b>DISCIPLINE(S)*</b>	<b>CONTRACT NUMBER AND STATE PROJECT NUMBER</b>	<b>PROJECT NAME</b>	<b>REMAINING UNPAID BALANCE**</b>
Freese and Nichols, Inc.	Other (H&H)	4400027092 2000894039	LADOTD Response to SCR 79	\$14,162
Freese and Nichols, Inc.	Other (H&H)	4400027092 H.016058.5	D'Arbonne Dam Rehabilitation	\$247,080
Forte and Tablada, Inc.	Bridge, Survey	4400021594 H.011965.6	Task Order No. 2 - IWGO Bridge Rehabilitation (Drone Flyover)	\$51,603
Forte and Tablada, Inc.	Bridge	4400021594 H.000303.6	Task Order No. 3 - Danziger Bridge Rehabilitation	\$4,017
Forte and Tablada, Inc.	Bridge	4400021594 H.009730.5	Task Order No. 4 - In Depth Bridge Inspection T-1 Steel Weld Assessment	\$562
Forte and Tablada, Inc.	Bridge	4400021594 H.015228.5	Task Order No. 5 - LA 70: Sunshine Bridge Emer Truss Repair	\$123
Forte and Tablada, Inc.	Bridge	4400021594 H.009859.5	Task Order No. 6 - Load Rate Selected Statewide Bridges	\$1,408,396
Forte and Tablada, Inc.	Bridge	4400021594 H.009730.5	Task Order No. 7 - In-Depth Bridge Inspections	\$68,942
Forte and Tablada, Inc.	Bridge	4400021594 H.009730.5	Task Order No. 8 - In-Depth Bridge Inspections	\$158,517
Forte and Tablada, Inc.	Bridge	4400021594 H.015546.6	Task Order No. 9 - Caplis Sligo Road Over Red Chute Bayou	\$5,244
Forte and Tablada, Inc.	Bridge/Survey	4400024589 H.014990.5	OSBR S. Tiger Bend Rd & East Achord Rd Bridges	\$7,428
Forte and Tablada, Inc.	Bridge/Survey	4400013387 H.013137.5	OSBR Ouachita	\$23,249
Forte and Tablada, Inc.	Bridge/Survey	4400019864 H.014318.5	OSBR Gurney Road Bridges	\$4,708

**19. Workload:**

<b>FIRM(S) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE</b>	<b>DISCIPLINE(S)*</b>	<b>CONTRACT NUMBER AND STATE PROJECT NUMBER</b>	<b>PROJECT NAME</b>	<b>REMAINING UNPAID BALANCE**</b>
Forte and Tablada, Inc.	Bridge	4400025037 H.014994.5	OSBR Bonne Idee Rd over Bonne Bayou	\$3,487
Forte and Tablada, Inc.	CE&I/OV	4400023837 H.013090.6	Gretna Downtown Pedestrian Improvements	\$10,577
Forte and Tablada, Inc.	CE&I/OV	4400023837 H.009290.6	LSU Laboratory School SRTS Project	\$7,263
Forte and Tablada, Inc.	Survey	4400021532 H.012068.5	LA 1026: Creek Bridge	\$10,719
Forte and Tablada, Inc.	Survey	4400021532 H.010116.5	LA 1088: Soult & Trinity Roundabouts	\$23,987
Forte and Tablada, Inc.	Survey	4400021532 H.005734.5	LA 447 Corridor Study	\$119,475
Forte and Tablada, Inc.	Survey	4400021532 H.012563.5	LA 73: Bayou Manchac Bridge (HBI)	\$461
Forte and Tablada, Inc.	Survey	4400021974 H.002186.5	UP (Plaquemine)	\$73,559
Forte and Tablada, Inc.	Survey	4400021974 H.012449.5	H.012449.5 KCS Xings Gayosa St. & Louise	\$17,107
Forte and Tablada, Inc.	Survey	4400021974 H.016748.5	US 167: Median Improvements	\$134,057
Forte and Tablada, Inc.	Survey	4400021974 H.012449.5	KCS X'ings Between Gayosa St. & Louise (BTR)	\$15,829
Forte and Tablada, Inc.	Survey	4400025029 H.015341	D61(EBR) IJA Off-System Bridge	\$69,054
Forte and Tablada, Inc.	Survey	4400025029 H.015341	D61(EBR) IJA Off-System Bridge - SA 3	\$41,123



**19. Workload:**

<b>FIRM(S)</b> <b>ALL FIRMS MUST BE</b> <b>REPRESENTED IN THIS TABLE</b>	<b>DISCIPLINE(S)*</b>	<b>CONTRACT NUMBER</b> <b>AND STATE PROJECT</b> <b>NUMBER</b>	<b>PROJECT NAME</b>	<b>REMAINING UNPAID</b> <b>BALANCE**</b>
Forte and Tablada, Inc.	Survey	4400004128 H.004273.5	I-49 Connector Additional ROW	\$55,766
Forte and Tablada, Inc.	Survey	4400027919 H.012072	LA 60: Drain Bridge (Map Rev)	\$337
H2O Partners, Inc.	N/A	N/A	N/A	N/A
La Terre Engineering, LLC	Planning	4400025921 H.015938	Indefinite Delivery/Indefinite Quantity Contract for Transportation Systems Management and Operations (TSMO) Program	\$25,808


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

\*\* Round to the nearest dollar. **Do not** round to the nearest thousands. If there are no active contracts with a remaining unpaid balance, place N/A in the Remaining Unpaid Balance column. NOTE: ALL FIRMS MUST BE REPRESENTED IN THIS TABLE. LEAVING THE "REMAINING UNPAID BALANCE" COLUMN BLANK IS NOT ACCEPTABLE.

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

## DEWBERRY ENGINEERS, INC.

Commercial - Search <https://coraweb.sos.la.gov/CommercialSearch/CommercialSearchDetail...>



**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
DEWBERRY ENGINEERS INC.	Business Corporation (Non-Louisiana)	ALBANY	Active

**Previous Names**  
DEWBERRY-GOODKIND, INC. (Changed: 3/5/2012)

**Business:** DEWBERRY ENGINEERS INC.  
**Charter Number:** 40662916F  
**Registration Date:** 11/10/2011

**Domicile Address**  
80 STATE STREET  
ALBANY, NY 122072543

**Mailing Address**  
8401 ARLINGTON BOULEVARD, SUITE 1  
FAIRFAX, VA 22031

**Principal Business Office**  
8401 ARLINGTON BOULEVARD, SUITE 1  
FAIRFAX, VA 22031

**Registered Office in Louisiana**  
450 LAUREL STREET, 8TH FLOOR  
BATON ROUGE, LA 70801

**Principal Business Establishment in Louisiana**  
9026 JEFFERSON HIGHWAY, SUITE 302  
BATON ROUGE, LA 70809


**Status**  
**Status:** Active  
**Annual Report Status:** In Good Standing  
**Qualified:** 11/10/2011  
**Last Report Filed:** 10/16/2024  
**Type:** Business Corporation (Non-Louisiana)

**Registered Agent(s)**

<b>Agent:</b> CORPORATION SERVICE COMPANY <b>Address 1:</b> 450 LAUREL STREET, 8TH FLOOR <b>City, State, Zip:</b> BATON ROUGE, LA 70801 <b>Appointment Date:</b> 11/10/2011
--

## FORTE AND TABLADA, INC.

Commercial - Search <https://coraweb.sos.la.gov/CommercialSearch/CommercialSearchDetail...>



**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
FORTE AND TABLADA, INC.	Business Corporation	BATON ROUGE	Active

**Previous Names**  
FORTE AND TABLADA, INC.

**Business:** FORTE AND TABLADA, INC.  
**Charter Number:** 25306090D  
**Registration Date:** 2/8/1961

**Domicile Address**  
9107 INTERLINE AVE.  
BATON ROUGE, LA 70809

**Mailing Address**  
9107 INTERLINE AVE.  
BATON ROUGE, LA 70809

**Principal Office Address**  
9107 INTERLINE AVE.  
BATON ROUGE, LA 70809

**Status**  
**Status:** Active  
**Annual Report Status:** In Good Standing  
**File Date:** 2/8/1961  
**Last Report Filed:** 1/9/2025  
**Type:** Business Corporation

**Registered Agent(s)**

<b>Agent:</b> JUSTIN T. MANNINO <b>Address 1:</b> TAYLOR, PORTER, BROOKS & PHILLIPS, L.L.P. <b>Address 2:</b> 450 LAUREL STREET, 8TH FLOOR <b>City, State, Zip:</b> BATON ROUGE, LA 70801 <b>Appointment Date:</b> 8/21/2020
--


**Officer(s)** Additional Officers: No

<b>Officer:</b> RUSSELL JOSEPH COCO, JR. <b>Title:</b> Director, President <b>Address 1:</b> 9107 INTERLINE AVENUE <b>City, State, Zip:</b> BATON ROUGE, LA 70809
--

**20. Certifications/Licenses:****FREESE AND NICHOLS, INC.**

Commercial - Search <https://coraweb.sos.la.gov/CommercialSearch/CommercialSearchDetail...>

**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
FREESE AND NICHOLS, INC.	Business Corporation (Non-Louisiana)	FORT WORTH	Active

**Previous Names**

**Business:** FREESE AND NICHOLS, INC.

**Charter Number:** 40457188F

**Registration Date:** 3/14/2011

**Domicile Address**

801 CHERRY STREET  
STE 2800  
FORT WORTH, TX 76102

**Mailing Address**

801 CHERRY STREET STE 2800  
FORT WORTH, TX 76102

**Principal Business Office**

801 CHERRY STREET  
STE 2800  
FORT WORTH, TX 76102

**Registered Office in Louisiana**

201 RUE BEAUREGARD, STE. 202  
LAFAYETTE, LA 70508

**Principal Business Establishment in Louisiana**

201 RUE BEAUREGARD  
STE 202  
LAFAYETTE, LA 70508

**Status**

**Status:** Active

**Annual Report Status:** In Good Standing

**Qualified:** 3/14/2011

**Last Report Filed:** 2/18/2025

**Type:** Business Corporation (Non-Louisiana)


**Registered Agent(s)**

<b>Agent:</b>	REGISTERED AGENTS INC
<b>Address 1:</b>	201 RUE BEAUREGARD, STE. 202

**H2O PARTNERS, INC.**

Commercial - Search <https://coraweb.sos.la.gov/CommercialSearch/CommercialSearchDetail...>

**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
H2O PARTNERS, INC.	Business Corporation (Non-Louisiana)	AUSTIN	Active

**Previous Names**

**Business:** H2O PARTNERS, INC.

**Charter Number:** 40208431F

**Registration Date:** 5/17/2010

**Domicile Address**

260 ADDIE ROY ROAD  
SUITE 150  
AUSTIN, TX 78746

**Mailing Address**

260 ADDIE ROY ROAD  
SUITE 150  
AUSTIN, TX 78746

**Principal Business Office**

260 ADDIE ROY ROAD  
SUITE 150  
AUSTIN, TX 78746

**Registered Office in Louisiana**

201 RUE BEAUREGARD, STE. 202  
LAFAYETTE, LA 70508

**Principal Business Establishment in Louisiana**

201 RUE BEAUREGARD, STE. 202  
LAFAYETTE, LA 70508

**Status**

**Status:** Active

**Annual Report Status:** In Good Standing

**Qualified:** 5/17/2010

**Last Report Filed:** 5/3/2024

**Type:** Business Corporation (Non-Louisiana)

**Registered Agent(s)**


<b>Agent:</b>	NORTHWEST REGISTERED AGENT LLC
<b>Address 1:</b>	201 RUE BEAUREGARD, STE. 202

## 20. Certifications/Licenses:

### LA TERRE ENGINEERING LLC

Commercial - Search <https://coraweb.sos.la.gov/CommercialSearch/CommercialSearchDetail...>

**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)

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Name	Type	City	Status
LA TERRE ENGINEERING LLC	Limited Liability Company	BATON ROUGE	Active

**Previous Names**

**Business:** LA TERRE ENGINEERING LLC

**Charter Number:** 43792422K

**Registration Date:** 2/24/2020

**Domicile Address**  
343 THIRD STREET, SUITE 511B  
BATON ROUGE, LA 70801

**Mailing Address**  
343 THIRD STREET, SUITE 511B  
BATON ROUGE, LA 70801

**Status**

**Status:** Active

**Annual Report Status:** In Good Standing

**File Date:** 2/24/2020

**Last Report Filed:** 3/10/2025

**Type:** Limited Liability Company

**Registered Agent(s)**

**Agent:** SENECA TOUSSANT

**Address 1:** 343 THIRD STREET, SUITE 511B

**City, State, Zip:** BATON ROUGE, LA 70801

**Appointment Date:** 2/24/2020

**Officer(s)** Additional Officers: No

**Officer:** SENECA TOUSSANT

**Title:** Manager

**Address 1:** 343 THIRD STREET, SUITE 511B

**City, State, Zip:** BATON ROUGE, LA 70801

**Amendments on File (1)**

Description	Date
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**21. QA/QC Plan:** 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.

N/A

**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.

<b>FIRM NAME</b> (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)	<b>ADDRESS</b>	<b>POINT OF CONTACT AND EMAIL ADDRESS</b>	<b>PHONE NUMBER</b>
Freese and Nichols, Inc.	900 Camp Street Suite 354 New Orleans, LA 70130	Jim Keith, PE, CFM Jim.Keith@freese.com	214.217.2372
Forte and Tablada, Inc.	9107 Interline Avenue Baton Rouge, LA 70809	Russell J. "Joey" Coco, Jr., PE jcoco@forteandtablada.com	225.927.9321
H2O Partners, Inc.	1515 S. Capital of Texas Hwy Suite 305 Austin, TX 78746	Julie Wickert jwickert@h2opartnersusa.com	512.221.4831
La Terre Engineering LLC	343 Third Street Suite 511B Baton Rouge, LA 70801	Seneca Toussant, PE stoussant@laterre-eng.com	225.960.1160



**23. Location:** 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 the Evaluation Criteria section of the advertisement.

N/A