

DOTD FORM: 24-102**PROPOSAL TO PROVIDE CONSULTANT SERVICES**

(Revised August 11, 2025)

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 ENGINEERING AND INSPECTION SERVICES OF STATE REGULATED DAM
2. Contract Number(s) as shown in the advertisement	4400035030
3. State Project Number(s), if shown in the advertisement	N/A
4. Prime consultant name (name must match <u>exactly</u> as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; <u>include screenshot from SOS at the end of Section 20</u>)	WALTER P. MOORE AND ASSOCIATES, 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.0002857
6. Prime consultant mailing address	1301 McKinney Street, Suite 1100 Houston, Texas 77010
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	1301 McKinney Street, Suite 1100 Houston, Texas 77010
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Andrew Yung, P.E., CFM, BC.WRE Principal and Chief Hydrologist 346.372.3395 p / 832.515.5959 c ayung@walterpmoore.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Spencer Livermore, PE Principal and Senior Project Manager 214.740.6236 p / 214.605.2073 c slivermore@walterpmoore.com

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

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



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

April 28, 2026

Date:

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.

Firm(s):
N/A

Firm(s)' %:

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	Prime: Walter P Moore and Associates, Inc	Firm B: Fugro	Firm C: VRX	Firm D: SAM	Firm E: ASI Marine	Each Discipline must total to 100%
Other (H&H, Civil, and Structural)	55	100	0	0	0	0	100%
Geotech	20	5	95	0	0	0	100%
Survey	5	0	0	0	100	0	100%
Environmental	5	0	0	100	0	0	100%
Other (Diving/ROV related services)	10	0	0	0	0	100	100%
Right-of-Way	5	0	0	0	100	0	100%
Choose an item.							100%
Choose an item.							100%
Choose an item.							100%
Choose an item.							100%
Choose an item.							100%
Identify the percentage of work for the overall contract to be performed by the prime consultant and each sub-consultant.							
Percent of Contract	100%	56	19	5	10	10	100

13. Team Size:

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

Firm name	DOTD Job Classification	Number of personnel committed to this contract *	Total number of personnel available in this DOTD Job Classification (if needed)
Walter P. Moore and Associates, Inc.	Principal	1	19
Walter P. Moore and Associates, Inc.	Supervisor - Eng	1	4
Walter P. Moore and Associates, Inc.	GIS Analyst	2	4
Walter P. Moore and Associates, Inc.	Engineer	2	3
Walter P. Moore and Associates, Inc.	Professional	1	121
Walter P. Moore and Associates, Inc.	Engineer - Other	7	65
Fugro USA Land, Inc.	Principal	1	2
Fugro USA Land, Inc.	Supervisor - Eng	1	4
Fugro USA Land, Inc.	Engineer	1	4
VRX, Inc.	Environmental Manager	1	1
VRX, Inc.	Environmental Pro	3	2
VRX, Inc.	Geologist	1	1
VRX, Inc.	Technician	0	4
VRX, Inc.	Clerical	0	6
VRX, Inc.	Administrative	0	6
VRX, Inc.	Biologist/Wetlands	5	3
VRX, Inc.	Principal	0	1

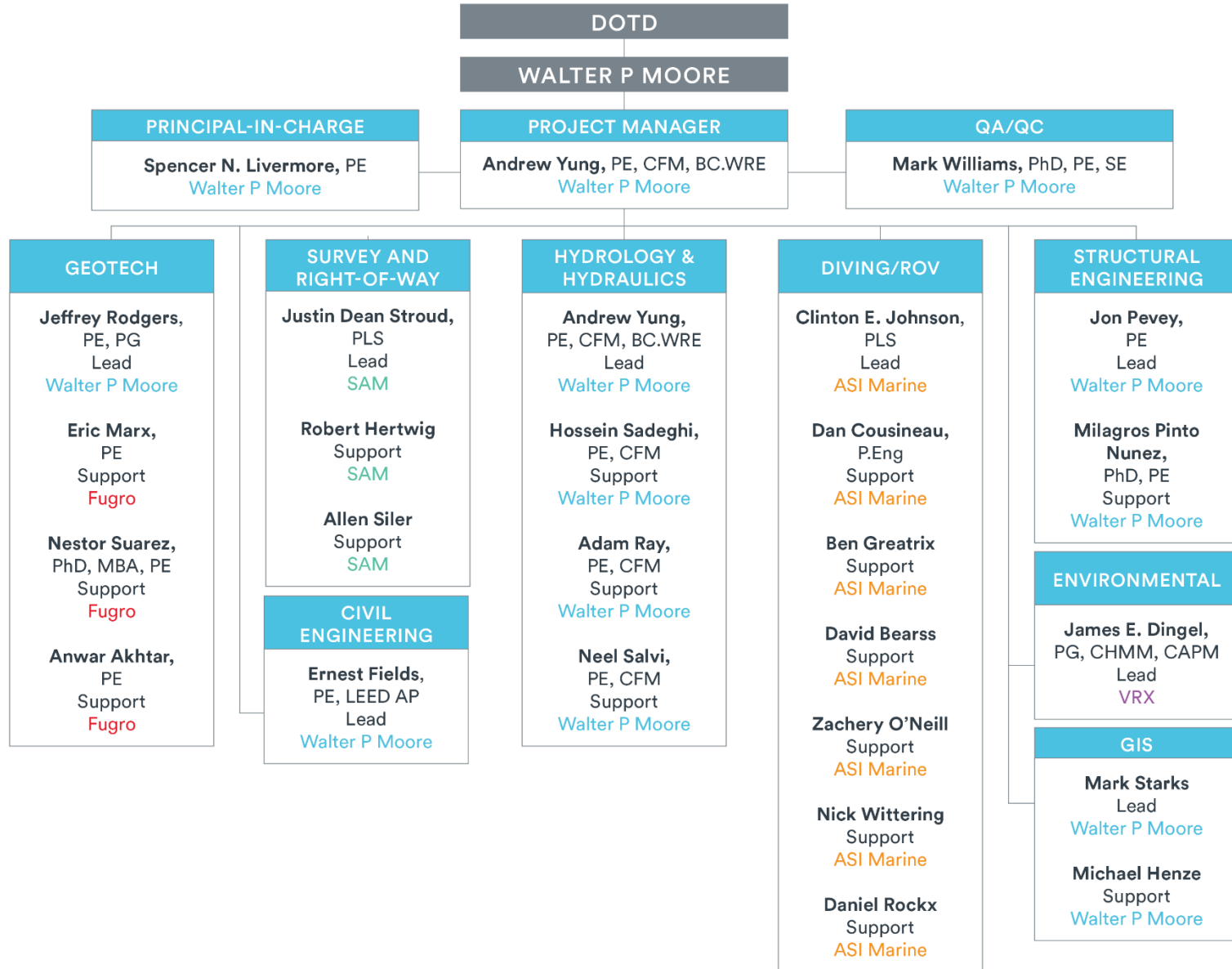
VRX, Inc.	Inspector	8	8
VRX, Inc.	Inspector - Certified	0	13
VRX, Inc.	Inspector - Bridge	6	12
VRX, Inc.	Inspector - Lead	0	7
VRX, Inc.	CADD Drafter	4	2
VRX, Inc.	CADD Technician	0	2
Surveying And Mapping, LLC	Surveyor	2	5
Surveying And Mapping, LLC	Supervisor - Other	2	12
Surveying And Mapping, LLC	Senior Technician	2	9
Surveying And Mapping, LLC	Technician	2	4
Surveying And Mapping, LLC	CADD Operator	2	10
Surveying And Mapping, LLC	Party Chief	3	20
Surveying And Mapping, LLC	Instrument Man	3	20
ASI MARINE LP	Professional	1	3
ASI MARINE LP	Senior Technician	6	20

(Add rows as needed)

***For evaluation purposes only**, and as referenced in the Scope of Services on page 2 of IDIQ advertisements only, the consultant shall assume the number of concurrently active task orders specified in the advertisement and shall identify the number of **committed** personnel accordingly.

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.

MPR No. Do not insert wording from ad	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license and discipline meeting MPR/ certification & number (Ex: PE # - Civil)	State of license	License / certification expiration date
1	Spencer N. Livermore, PE	Walter P. Moore and Associates, Inc.	PE #0050363 - Civil Engineer	LA	09.30.2027
2	Spencer N. Livermore, PE	Walter P. Moore and Associates, Inc.	PE #0050363 - Civil Engineer	LA	09.30.2027
3	Spencer N. Livermore, PE	Walter P. Moore and Associates, Inc.	PE #0050363 - Civil Engineer	LA	09.30.2027
4	Mark Williams, PhD, PE, SE	Walter P. Moore and Associates, Inc.	PE #0036026	LA	03.31.2027
4	Andrew Yung, PE, CFM, BC.WRE	Walter P. Moore and Associates, Inc.	PE #0032545 - Civil Engineer	LA	09.30.2026
5	Justin Dean Stroud, PLS	Surveying And Mapping, LLC	PLS #0005218 - Land Surveying	LA	09.30.2027

(Add rows as needed)

16. Staff Experience:

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

Firm employed by Walter P. Moore and Associates, Inc.			
Name	Spencer N. Livermore, PE		Years of relevant experience with this employer 11
Title	Principal, Senior Project Manager		Years of relevant experience with other employer(s) 1
Degree(s) / Years / Specialization		BS / 2012 / Civil Engineering MS / 2014 / Structural Engineering	
Active registration number / state / expiration date		0050363 / Louisiana / 09.30.2027; 127876 / Texas / 06.30.2026; 32532 / Oklahoma / 07.31.2026	
Year registered	2025; 2017	Discipline	Civil Engineer; Structural/Civil
Contract role(s) / brief description of responsibilities		Principal-in-Charge / He will provide strategic oversight, project management, dam safety inspections, structural assessments, and coordination for dam and hydraulic structure projects. He will lead multidisciplinary teams for terrain and watershed analysis, breach analysis, hydraulics, hydrology, geotechnical and structural engineering, and underwater investigations.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
02/23–ongoing	Leading TCEQ-required dam safety inspections and engineering surveys for the TCEQ-required five-year inspection and multiple Annual Maintenance Inspections for Morris Sheppard Dam (a large high hazard structure). Services include terrain and watershed analysis, hydraulics, hydrology, geotechnical/structural/civil engineering, and underwater investigations.		
01/21–01/22	Managed reinforced concrete component assessment and analysis for DeCordova Bend Dam (a large high hazard dam), including structural and geotechnical evaluation, preliminary design, and dam safety rehabilitation planning.		
01/22–ongoing	Serving as Structural Project Manager for Lake Pflugerville Dam Emergency Action Plan Update. Responsible for spillway analysis, dam safety inspection, conceptual repair recommendation development, and compliance with TCEQ regulations.		
01/26–ongoing	Principal-in-Charge and Project Manager for the review of wire rope testing reports for the Sabine River Authority at Toledo Bend Dam and Hydroelectric Plant.		
01/23–ongoing	Principal-in-Charge and Project Manager for a multi-phase rehabilitation and modification project to improve the operation, safety, and reliability of a number of existing systems for the DeCordova Bend Dam. Managing a multidisciplinary team of structural/civil/geotechnical/MEP engineers, cost consultants, special testing / NDE consultants, surveyors, and H&H.		
01/24–ongoing	Principal-in-Charge for the Brazos River Authority Bay 9 Project. Providing oversight for dam safety inspections, structural analyses, and rehabilitation designs at Morris Sheppard Bend Dams. Leading multidisciplinary teams for terrain and watershed analysis, hydraulics, hydrology, geotechnical/civil/structural engineering, and underwater investigations.		

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Firm employed by Walter P. Moore and Associates, Inc.			
Name	Andrew Yung, PE, CFM, BC.WRE		Years of relevant experience with this employer
Title	Principal		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		BS / 1987 / Civil Engineering	
Active registration number / state / expiration date		0032545 / Louisiana / 09.30.2026; 79810 / Texas / 06.30.2026; 020089 / Georgia / 12.31.2026	
Year registered	2006; 1994; 1992	Discipline	Civil Engineer; Civil
Contract role(s) / brief description of responsibilities		Hydrology and Hydraulics Lead / He will apply his expertise in HEC-HMS, HEC-RAS, HEC-DSS, and HEC-SSP, along with his extensive dam safety experience, to provide technical leadership and oversight for hydraulic and hydrologic modeling in support of infrastructure planning and design. Project Manager / He will ensure that project goals are achieved and provide leadership in development of all deliverables. He will lead the project team and ensure coordination within the team and with the DOTD and other stakeholders.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
02/23–ongoing	Brazos River Authority Morris Sheppard Dam Inspection Services (2023-2027), Palo Pinto County, TX. Participating in multidiscipline TCEQ-required dam safety inspections. Evaluating terrain and upstream conditions for potential failure risks/modes. Reviewing previous inspection data, watershed analysis, breach analysis, hydraulics, and hydrology.		
09/24–02/25	Brazos River Authority De Cordova Bend Dam Site Assessment and Structural Analysis, Granbury, TX. Participated in multidiscipline inspection for structural, geotechnical, and hydraulic analysis for dam safety assessment and rehabilitation.		
06/22–07/24	City of Pflugerville Lake Pflugerville Dam Emergency Action Plan Update and Structural Assessment, Pflugerville, TX. Led multidiscipline inspection for structural and geotechnical assessment, emergency action planning, and breach analysis for dam safety. Led the development of hydrodynamic forces acting on the spillway for use in structural analysis.		
06/10–02/12	Heath Branch Dam Inspection, Repairs, and Emergency Action Plan, Huntsville, TX. Led emergency inspection during partial breach of the dam. Managed rehabilitation of the drop inlet (riser) spillway to address the breach and failure of the riser structure. Developed Emergency Action Plan and assessment of downstream breach inundation.		
09/11–03/12	Ratcliff Lake Dam Houston County, TX. Conducted breach inundation analysis and site inspection of the spillway during flood.		
08/20–03/26	Ridge Lake Shores Site Assessment and Dam Retrofit, Montgomery, TX. Oversaw planning, design, and regulatory compliance to upgrade the dam and spillway for increased flood capacity per TCEQ requirements. Directed hydrologic and hydraulic analyses, site inspections/assessments (including construction inspections), stakeholder coordination, and development of retrofit alternatives.		

03/24–ongoing	City of Huntsville Dawson Lake Dam Inspection and Rehabilitation, Huntsville, TX. Led multidiscipline dam inspection, performed a breach analysis with inundation mapping, and developed a rehabilitation plan and design for flood risk reduction.
04/11–08/11	River Oaks Ranch Dam, Hays County, TX. Following the clearing of vegetation from the downstream face of the dam, inspected the entire dam for deficiencies related to state dam safety requirements. Performed hydrologic analysis of dam for state dam safety requirements and recommended retrofit of the emergency spillway to pass the design storm. Performed a dam breach and inundation mapping analysis for support of an Emergency Action Plan.
02/02–ongoing	American Society of Civil Engineers Dam Safety Seminar, Houston, TX. Lead; Inspection Component.

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Firm employed by Walter P. Moore and Associates, Inc.			
Name	Mark Williams, PhD, PE, SE		Years of relevant experience with this employer 21
Title	Managing Principal and Managing Director		Years of relevant experience with other employer(s) 10
Degree(s) / Years / Specialization		PhD / 2000 / Structural Engineering MS / 1997 / Structures/Foundations BS / 1996 / Civil Engineering	
Active registration number / state / expiration date		0036026 / Louisiana / 03.31.2027; 94240 / Texas / 06.30.2026; 081007056 / Illinois / 11.20.2026	
Year registered	2011; 2004; 2011	Discipline	Civil Engineer; Civil, Structural; Structural
Contract role(s) / brief description of responsibilities		QA/QC. He will oversee quality assurance and quality control for dam safety inspections, structural assessments, and rehabilitation projects. He will lead multidisciplinary teams for terrain and watershed analysis, breach analysis, hydraulics, hydrology, geotechnical and structural engineering, and underwater investigations. He specializes in the evaluation and repair of existing structures using nondestructive evaluation (NDE) methods.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
02/20–12/22	Structural Engineer for ODOT CI-2247F On-Demand Bridge Rehabilitation. Providing on-demand bridge rehabilitation and repair services, including assessment, design, and management for multiple bridges in Oklahoma.		
03/21–12/21	QA/QC for Brazos River Authority DeCordova Bend Dam Reinforced Concrete Components, Hood County, TX.		
02/23–ongoing	QA/QC for Brazos River Authority Morris Sheppard Dam Inspection Services (2023-2027), Palo Pinto County, TX. Oversaw QA/QC of TCEQ-required dam safety inspections, including terrain and watershed analysis, hydraulics, hydrology, geotechnical and structural engineering, and underwater investigations.		
02/22–03/23	QA/QC for City of Pflugerville Lake Pflugerville Dam Emergency Action Plan Update and Structural Assessment, Pflugerville, TX. Oversaw QA/QC of spillway analysis, structural inspection, and conceptual repair recommendations.		
04/23–12/2	Principal-in-Charge for NRG Energy, Inc. Washington Parish Plant Unit 8 Cooling Tower Structural Evaluation, Richmond, TX. Led structural assessment using drone imagery, 3D modeling, and AI-supported analysis for reinforced concrete structures.		
06/19–12/20	QA/QC for City of Austin Waller Creek Tunnel Rehabilitation, Austin, TX. Provided QA/QC for the structural assessment and rehabilitation of the Waller Creek Tunnel, including evaluation of tunnel lining, hydraulic structures, and recommendations for repairs to ensure long-term performance and public safety.		

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Firm employed by Walter P. Moore and Associates, Inc.			
Name	Hossein Sadeghi, PE, CFM, BC.WRE		Years of relevant experience with this employer
Title	Senior Engineer		2
Degree(s) / Years / Specialization		Years of relevant experience with other employer(s)	
		10	
Degree(s) / Years / Specialization		MS / 2015 / Civil Engineering (Water Resources), MS / 2003 / Civil Engineering (Hydraulic Structures) BS / 1999 / Civil Engineering	
Active registration number / state / expiration date		131461 / Texas / 06.30.2026	
Year registered	2018	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities		Hydrology and Hydraulics Support / Hossein will perform hydrologic and hydraulic modeling and drainage calculations to support engineering and related services required for dam safety inspections.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
05/25–10/25	Brazos River Authority DeCordova Bend Dam Trifecta Project (Buttress Repair, Tainter Gate Assessment, and New Stop Log Hoist System), Granbury, TX. Conducted structural analysis.		
02/23–ongoing	Brazos River Authority Morris Sheppard Dam Inspection Services (2023-2027), Palo Pinto County, TX. Supporting TCEQ-required dam safety inspections, including terrain and watershed analysis, breach analysis, hydraulics, hydrology, geotechnical and structural engineering, and underwater investigations.		
01/24–ongoing	Brazos River Authority Bay 9 Project. Supporting dam safety inspections, including watershed analysis, hydraulics, hydrology, and civil engineering.		
10/25–02/26	Midlothian Railport Erosion Repair. Served as Project Manager. Performed a hydraulic analysis in support of the bank stabilization along the stream and around the railport crossing.		
02/25–08/25	City of Plano Ridgeview Ranch Flood Study, Plano, TX. Served as Project Manager. Performed a hydrologic and hydraulic analysis, conducted a site assessment to delineate drainage areas, developed peak flows, developed floodplain, and provided recommendations to address upstream flooding issues.		
11/24–03/25	City of Coppell Hunterwood Flood Study, Coppell, TX. Served as Project Manager. Performed a hydraulic analysis in support of the bank stabilization along the stream.		
09/25–11/25	City of Horseshoe Bay Horseshoe and Slickrock Drainage Master Plan, Horseshoe Bay, TX. Served as Project Manager. Performed a hydrologic and hydraulic analysis, conducted a site assessment to delineate drainage areas, developed peak flows, developed floodplain, and provided recommendations to address flooding issues.		
12/24–03/25	Winscott Road Due Diligence Drainage, Benbrook, TX. Served as Project Manager. Performed a preliminary hydraulic analysis to evaluate the effect of a commercial improvement on the effective floodplain.		
05/23–07/24	City of Rhome Lake Eloise Dam, Rhome, TX. Served as Project lead. Conducted dam breach analysis. Modeled a weir and stepped spillway using FLOW-3D.		

11/23–02/24	Reunion Phases 2 and 3 Flood Study, Rhome, TX. Served as Project lead. Performed a hydrologic and hydraulic analysis, conducted a site assessment to delineate drainage areas, developed peak flows, and developed floodplain.
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Firm employed by Walter P. Moore and Associates, Inc.			
Name	Adam Ray, PE, CFM		Years of relevant experience with this employer
Title	Team Director III		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		BS / 2006 / Civil Engineering	
Active registration number / state / expiration date		108834 / Texas / 07.31.2027	
Year registered	2011	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities		Hydrology and Hydraulics Support / Adam will perform hydrologic and hydraulic modeling and drainage calculations to support engineering and related services required for dam safety inspections.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
01/24–11/25	Fidelity Real Estate Company Annual Assessments, Westlake, TX. Managed annual TCEQ dam safety and stormwater compliance program, including visual inspections, maintenance recommendations, dam breach analysis updates, and post-storm inspections. Led SPCC/EAP updates and annual reporting for regulatory compliance.		
04/18–11/25	City of Corinth Lynchburg Creek Master Drainage Plan and Grant, Corinth, TX. Led development of a watershed master drainage plan for a 2-square mile urban basin newly mapped into FEMA floodplains. Refined HEC-RAS models using 2D analysis, LiDAR, and field reconnaissance to evaluate alternatives and design stormwater detention and channel improvements, reducing flood risk for approximately 100 homes. Authored technical documentation supporting a \$2.9 million FEMA Flood Mitigation Assistance Grant, currently funding design and construction.		
10/17–01/19	Midlothian Development Authority CLOMR, Channel Realignment, and LOMR, Midlothian, TX. Prepared HEC-HMS, HEC-RAS, and XPStorm models supporting a CLOMR for a 375-acre data center. Guided design of 7,000 LF of realigned channels and 5,800 LF of RCB storm sewers.		
05/24–09/25	TxDOT Corpus Christi District, TX. Led preparation of schematic-phase hydrologic and hydraulic models for a 12-mile roadway corridor. Conducted culvert capacity analysis using HEC-HMS, HEC-RAS, and HY-8; and evaluated floodplain impacts to a FEMA Zone A playa		
08/22–10/25	City of Arlington Milby-Delk Drainage Analysis, Arlington, TX. Directed 1D/2D XPStorm inlet level modeling for a redeveloping watershed with structural flooding. Supervised staff, identified capacity constraints, and presented mitigation alternatives for City prioritization and funding.		
09/15–07/20	Hillwood Communities Harvest Drainage Master Planning, Northlake and Argyle Extraterritorial Jurisdictions, TX. Managed analyses for the 1,200-acre Harvest master-planned community. Led design and approvals for 17 detention facilities totaling 260 ac-ft of storage with multiple agencies (TRA, TxDOT, USACE, Towns of Argyle and Northlake, Denton County, and FEMA).		

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Firm employed by Walter P. Moore and Associates, Inc.			
Name	Neel Salvi, PE, CFM		Years of relevant experience with this employer
Title	Engineer		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		MS / 2021 / Civil Engineering (Hydrology and Hydraulics) B.Tech / 2018 / Civil Engineering	
Active registration number / state / expiration date		153566 / Texas / 06.30.2026	
Year registered	2024	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities		Hydrology and Hydraulics Support / He will perform hydrologic and hydraulic modeling and drainage calculations to support engineering and related services required for dam safety inspections.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
02/23–ongoing	Brazos River Authority Morris Sheppard Dam Inspection Services (2023-2027), Palo Pinto County, TX. As Engineer, Neel participated in the 2025 annual multidiscipline site inspection and collected and organized photos, videos, and notes of the field observations.		
06/24–04/25	City of Carrollton Colonial House Dam and Josey Ranch Dam Inspections and Spillway Capacity Analyses, Carrollton, TX. As Engineer, Neel provided technical support for hydrologic and hydraulic analyses, performed internal quality control reviews of the analysis and documentation, and assisted in developing construction cost estimates for the chosen/preferred rehabilitation alternatives for each dam.		
03/24–ongoing	City of Huntsville Dawson Lake Dam Rehabilitation, Huntsville, TX. As Hydraulic Engineer, Neel participated in the multidiscipline inspection of the dam, performed a simplified dam breach analysis, and conducted the hydraulic and hydraulic analysis of the proposed dam for the retrofit.		
02/22–03/26	Ridge Lake Shores Site Assessment and Dam Retrofit, Montgomery, TX. As Hydraulic Engineer, Neel performed the 2D Dam Breach analysis of the dam to show breach inundation extents across different failure types.		
01/23–12/23	City of South Houston ARPA CLFRF Marilyn Ditch Improvements, South Houston, TX. As Hydraulic Engineer, Neel performed hydrologic and hydraulic analysis for the existing and proposed conditions of the Marilyn Ditch to improve flooding conditions within the neighborhood where the channel conveys through.		
06/23–ongoing	Harris County Flood Control District MAAPnext Project Management Harris County, TX. As Engineer, Neel provided technical support for the quality control of hydrologic and hydraulic models and supporting Flood Risk products during the FEMA review period.		

16. Staff Experience:

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Firm employed by Walter P. Moore and Associates, Inc.			
Name	Jon Pevey, PE		Years of relevant experience with this employer
Title	Senior Associate and Sr. Engineer		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		MS/ 2018/ Civil Engineering, Structures BS / 2016 / Civil Engineering	
Active registration number / state / expiration date		153869 / Texas / 06.30.2026; 92312 / Florida / 02.28.2027	
Year registered	2024; 2021	Discipline	Structural; Civil
Contract role(s) / brief description of responsibilities		Structural Lead / He will be responsible for structural assessment, analysis, and repair design for dam and reservoir facilities. He will provide technical support for dam safety inspections, condition assessments, and rehabilitation planning. He will coordinate with multidisciplinary teams for terrain and watershed analysis, breach analysis, hydraulics, hydrology, geotechnical and structural engineering, and underwater investigations.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
01/23–ongoing	Structural Lead for the Brazos River Authority DeCordova Bend Dam Trifecta Project (Buttress Repair, Tainter Gate Assessment, and New Stop Log Hoist System), including dam safety inspections, structural analysis, and repair design.		
01/21–01/22	Structural Lead for the Brazos River Authority DeCordova Bend Dam Site Assessment and Structural Analysis, providing condition assessment, structural evaluation, and recommendations for dam safety and rehabilitation.		
04/21–ongoing	Structural Engineer for the Brazos River Authority, Morris Sheppard Dam Bay 9 Transition Beam and Weir Evaluation, supporting dam safety inspections and structural analysis.		
02/23-ongoing	Structural Engineer for TCEQ-required dam safety inspections for the Morris Sheppard Dam multi-year inspection contract.		
07/21–ongoing	Structural Engineer for City of Dallas, Hall of State Historic Restoration and Enclosure Consulting, providing assessment and repair design for historic civil infrastructure.		
01/26- ongoing	Structural engineering and technical support for the City of Frisco watershed and civil infrastructure assessment and repair development.		

16. Staff Experience:

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Firm employed by Walter P. Moore and Associates, Inc.			
Name	Milagros Pinto Nunez, PhD, PE		Years of relevant experience with this employer
Title	Structural Engineer		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		PhD / 2017 / Civil Engineering MS / 2008 / Civil Engineering BS / 2005 / Civil Engineering	
Active registration number / state / expiration date		2006-006-002 / Panama / N/A	
Year registered	2006	Discipline	Structural/Civil
Contract role(s) / brief description of responsibilities		Structural Engineering Support / She will be responsible for assessing structural conditions, developing detailed construction cost estimates, supporting project teams with budget analysis and value engineering, and providing engineering services for dam safety inspections and related dam projects.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
01/22–ongoing	Utility Tunnel Reliability Study at Plant No. 1 and No. 2. Providing cost estimation and engineering support for reliability studies, including assessment of tunnel structures and related civil works.		
01/26–ongoing	Structural engineer for the review of wire rope testing reports for the Sabine River Authority at Toledo Bend Dam and Hydroelectric Plant.		
03/22–12/22	Confidential Theme Park Structural and Waterproofing Repairs. Supported structural and waterproofing repairs for multiple structures, including cost estimation and construction support.		
05/21–09/21	Right Way Environmental Contractors Topsoil Installation Review. Reviewed topsoil installation for insurance claim, including site assessment and reporting.		
02/20–11/20	City of Springfield Fire Station Assessments. Conducted assessments of nine existing fire stations, evaluated structural conditions, and provided recommendations for repairs.		
04/19–12/19	Georgetown University Egress Assessments. Performed egress assessments for 74 buildings, focusing on code compliance and structural safety.		
06/22–10/22	CBRE 1800 Waters Ridge Suite 500 Warehouse Building Movement Slab Assessment. Provided structural assessment and cost estimation for warehouse slab movement, supporting recommendations for repair and mitigation.		
07/21–12/21	McLarens Panama, Secant Pile Wall Structural Assessment for Potential Retrofit. Conducted structural assessment of secant pile wall, evaluated retrofit options, and provided engineering recommendations.		
08/22–12/22	Universal Orlando Resort B204 Confisco’s Tower Façade Repairs, Orlando, FL. Supported repairs through structural assessment, construction cost estimation, and coordination with project stakeholders.		
01/26–3/26	Conducted a structural assessment and forensic analysis in Bridge Cap at the fourth bridge over the Panama Canal.		

02/25–12/25	Supported a litigation project with the International Chamber of Commerce of Wastewater Treatment Plant in Panama City.
01/15–12/16	Supported litigation for a forensic study for the Panama Canal's Borinquen Dam during the construction phase. The work focused on evaluating dam performance and conducting delay-claim analysis.

16. Staff Experience:

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Firm employed by Walter P. Moore and Associates, Inc.			
Name	Ernest Fields, PE, LEED AP		Years of relevant experience with this employer
Title	Senior Principal and Managing Director		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		BS / 1993 / Civil Engineering	
Active registration number / state / expiration date		83917 / Texas / 06.30.2026	
Year registered	1998	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities		Civil Engineering Lead / He will be responsible for the preparation and assembly of site investigation reports; detailed hydrology and hydraulic calculations; the development of cost estimates throughout various stages of the project; coordination with the owner, client, and other consultant team members; and acquisitions of approvals as applicable.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
09/24–02/25	Brazos River Authority De Cordova Bend Dam Site Assessment and Structural Analysis, Granbury, TX. Led c analysis that allowed the Brazos River Authority to clearly identify the areas of concern, better understand the structural components, and select a repair approach that was both economical and resolved the ongoing issues.		
02/23–ongoing	Brazos River Authority Morris Sheppard Dam Inspection Services (2023-2027), Palo Pinto County, TX. As Civil Engineer, Ernest is supporting civil engineering services for the 2023 Texas Commission on Environmental Quality (TCEQ) five-year inspection and TCEQ annual inspections through 2027.		
08/20–02/25	Ridge Lake Shores Site Assessment and Dam Retrofit, Montgomery, TX. As Civil Engineer, Ernest provided design to retrofit the dam to accommodate a larger design storm as specified by TCEQ. The project included the addition of an emergency spillway to pass new design flood requirements. Ernest also provided coordination with the TCEQ during the design process.		
04/21–ongoing	Emerald Lake 2 Dam Analysis and Design, Magnolia, TX. As Civil Engineer, Ernest provided oversight for the civil engineering design of the dam, including grading, design of a low-level lake outfall structure, and spillway design.		
07/22–ongoing	City of Frisco Heritage Lakes Dam Erosion Control, Frisco, TX. As Project Manager, Ernest led civil engineering efforts for an emergency design-build project to stabilize erosion that threatened a sanitary sewer and dam spillway. He directed the design and implementation of a 150-foot gabion drop structure, sewer replacement with steel encasement and gabion protection, and targeted grout repairs to restore the undermined spillway		
07/16–04/19	Boy Scouts of America Camp Strake Lake Design, San Jacinto County, TX. Ernest provided design of the principal spillway riser structure, dam grading, low-level drain, and emergency spillway. He also coordinated TCEQ as part of the design process.		

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Firm employed by Walter P. Moore and Associates, Inc.			
Name	Mark Starks		Years of relevant experience with this employer
Title	Senior Associate and Senior GIS Specialist		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		BS / 1986 / Engineering Technology	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		GIS Task Lead / Mark will lead GIS services relevant to dam safety inspections	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
Est. 07/16–Est. 06/17	Boy Scouts of America Camp Strake Master Plan, Livingston, TX. Provided GIS services for the project, which included permits for each dam and the associated water rights, infrastructure design of site grading, access roads, water supply and distribution systems, and sanitary sewer collection and treatment systems. A wetland and endangered species assessment was also prepared. The project also included coordination and permitting with the US Army Corps of Engineers.		
08/10–03/12	Indigo Lake Dam, Montgomery County, TX. Provided GIS services for the project, which included preparation of an Emergency Action Plan for the dam including downstream breach inundation mapping.		
01/07–06/07	Flood Study of the Erie Canal/Mohawk River, Canajoharie and Fort Plain, NY. Provided GIS services for the forensic analysis related to flooding along the Erie Canal and Mohawk River during the June 2006 flood event. This included an investigation and analysis of two locks along the Erie Canal to determine the effects of various gate openings and closures of the lock and dam systems on flood elevations in Canajoharie and Fort Plain.		
Est. 08/96–06/02	Lake Windcrest, Montgomery County, TX. Provided GIS services related to hydrologic and hydraulic analysis and new dam design. Provided support for watershed adequacy and dam safety analyses as required by the Texas Natural Resources Conservation Commission (now TCEQ).		
Est. 07/20–Est. 09/24	Moran Ranch Drainage Study, Willis, TX. Provided GIS services for the team to address hydraulic issues related to floodplain management and dam safety.		
Est. 08/13–Est. 01/14	City of Dallas Tulane and Northwest Highway Flood Study, Dallas, TX. Provided GIS services to support a storm water drainage analysis. The primary purpose of the study was to model rainfall events in the contributing areas and identify the deficiencies of the existing storm sewer system and how best to alleviate the issues.		
12/06–3/11	Harris County Flood Control District Flood Event Modeling, Harris County, TX. Designed and oversaw the programming of the GIS portion of a software development project that provided the users with the ability to view areas in real-time that have a potential for flooding in any active storm event. This included a floodplain viewer and graphical display of rainfall gauge data in real-time.		

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Firm employed by Walter P. Moore and Associates, Inc.			
Name	Michael Henze		Years of relevant experience with this employer 24
Title	Senior Associate and Senior GIS Specialist		Years of relevant experience with other employer(s) 0
Degree(s) / Years / Specialization		MA / 2000 / Geography BS / 1994 / Geography	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		GIS Support / Michael will support GIS services relevant to dam safety inspections	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
03/24–ongoing	City of Huntsville Dawson Lake Dam Rehabilitation, Huntsville, TX. Serving as GIS analyst, coordinating ArcGIS Field Maps for dam inspection documentation and developing updated hydrology parameters. Analyzing Lidar data and aerial imagery to define drainage boundaries, incorporated bathymetric data, mapped breach scenario floodplains, and identifying impacted downstream structures.		
06/22–07/24	City of Pflugerville Lake Pflugerville Dam Emergency Action Plan Update, Pflugerville, TX. Served as GIS analyst. Developed updated hydrology parameters for modeling efforts, using GIS-based tools to analyze Lidar data and aerial photographs for drainage area boundaries, flow paths, and land use. Mapped breach inundation and identified impacted structures downstream of the dam.		
08/20–03/26	Ridge Lake Shores Dam Retrofit, Montgomery, TX. Served as a GIS analyst. Developed updated hydrology parameters for modeling efforts, using GIS-based tools to analyze Lidar data and aerial photographs for drainage area boundaries, flow paths, and land use. Coordinated the use of ArcGIS Field Maps to document observations for the dam inspection. Mapped breach scenario floodplains and identified impacted structures downstream of the dam.		
01/07–06/07	Delaware Water Gap Investigation. Served as GIS analyst. Developed hydrologic parameters for the Delaware River watershed above Delaware Water Gap. This investigation related to flooding along the Delaware River in June 2006 and included an evaluation of three New York City Reservoirs (Cannonsville, Pepacton, and Neversink) and the modeling of various reservoir management alternatives to determine the effects on flooding at Delaware Water Gap.		
01/02–01/03	Brays Bayou Flood Insurance Re-study, Houston, TX. Served as GIS Analyst. Developed updated hydrologic and hydraulic models and floodplain maps for Brays Bayou and its tributaries using GIS, HEC-HMS, HEC-RAS, and LIDAR data. Prepared a hydraulic model for Harris Gully and performed urban hydrologic analysis and floodplain mapping utilizing advanced GIS tools. Created a GIS-based tool to map floodway encroachments and ensure consistency between floodplain and floodway delineations.		
09/07–12/07	Brazos River at MUD 121 Stream Stability Assessment, Fort Bend County, TX. Evaluated riverbank migration risks to flood control levees using hydraulic and geomorphic analyses. Georeferenced historical aerials, measured bank migration rates, and provided spatial data to guide bank protection recommendations.		

03/18–10/18	City of Arlington Watershed Studies, Arlington, TX. Completed a stream geomorphology assessment focusing on erosion hazards using the Bank Erosion Hazard Index (BEHI) method for six small watersheds. Performed an independent technical review of hydrologic and hydraulic modeling, floodplain mapping, and FEMA deliverables.
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Firm employed by Walter P. Moore and Associates, Inc.			
Name	Jeffrey Rodgers, PE, PG		Years of relevant experience with this employer
Title	Principal and Senior Project Manager		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		MS / 2013 / Civil Engineering BS / 2004 / Geology	
Active registration number / state / expiration date		0044750 / Louisiana / 03.31.2027; 118726 / Texas / 09.30.2026; 10657 / Texas / Active; 49080 / Arizona / Active	
Year registered	2020; 2014	Discipline	Civil Engineer; Civil Engineer; Geotechnical, Geology
Contract role(s) / brief description of responsibilities		Geotechnical Lead / He will be responsible for geotechnical engineering services, including geologic hazard evaluations, dam and levee assessments, slope stability analysis, settlement analysis, groundwater monitoring, and recommendations for dam safety, levee, and outfall projects. He will provide technical leadership for geotechnical engineering and forensic investigations.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
06/21–12/23	Principal Engineer for TC Jester Stormwater Detention Basins, Spring, TX. Led geotechnical design for multiple stormwater detention ponds, including soil borings, laboratory testing, slope stability analyses, groundwater monitoring, and geotechnical recommendations.		
03/22–09/22	Principal Engineer for Boudreaux Stormwater Detention Basin, Spring, TX. Provided geotechnical design for four stormwater detention ponds, including slope stability analyses and groundwater monitoring.		
01/21–08/21	Principal Engineer for Sienna Levee Improvement District Outfall No. 6, Missouri City, TX. Led geotechnical design for temporary levee construction and new outfall, including soil borings, slope stability, settlement analyses, and groundwater monitoring.		
02/22–11/22	Principal Engineer for Fort Bend County Levee Improvement District No. 20 Brazos River Outfall Repair, Richmond, TX. The project included slope stability analysis and erosion control recommendations.		
07/21–04/22	Principal Engineer for North Harris County Regional Water Authority Contract 31C, 31E, and 31F Waterlines, Cypress, TX. Provided geotechnical engineering services including soil borings, laboratory testing, slope stability analyses, and geotechnical recommendations for waterline infrastructure and associated flood control features.		

16. Staff Experience:

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Firm employed by Fugro USA Land, Inc.			
Name	Eric Marx, PE		Years of relevant experience with this employer
Title	General Manager, Louisiana		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		MS / 2001 / Civil Engineering BS / 1999 / Civil Engineering	
Active registration number / state / expiration date		0031479 / Louisiana / 03.31.2027	
Year registered	2004	Discipline	Civil
Contract role(s) / brief description of responsibilities		Geotechnical Support / He will provide engineering review and oversight of the program tasks for Fugro USA Land, Inc.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
05/01–ongoing	Principal-in-Charge, Fugro Louisiana General Manager. He is providing geotechnical services on transportation, government, industrial, commercial, and coastal infrastructure projects since joining Fugro in 2001. He has been both geotechnical engineer and geotechnical engineer-of-record (in responsible charge) on some of Louisiana’s high-profile transportation projects over the last 24 years. Eric’s role has involved managing and executing geotechnical programs, developing and overseeing field programs, achieving and maintaining laboratory certifications and performing and reviewing geotechnical engineering analyses on transportation projects.		
01/10–03/17 08/20–ongoing	LADOTD Statewide Geotechnical Retainer Contract, LA. Principal-In-Charge. Included performing more than 20 task orders for bridge structures across Louisiana with a total program cost of more than \$4 million.		
04/04 – 04/19	Bridge Scour Analysis, Statewide Louisiana. Project Engineer, Project Manager and Principal-In-Charge. Fugro was selected by the Louisiana Department of Transportation and Development (LADOTD), with the assistance of selected Design Consultants, in evaluating the stability of critical bridge structures across the state regarding scour susceptibility.		
09/17–ongoing	Kansas Lane, Garrett Road Connector and I-20 Improvements; Ouachita Parish, LA (H.004774.5 and H.007300.6). Principal-In-Charge. Providing contract oversight for the project. Work includes conducting geotechnical field investigations and geotechnical analyses for the roadway project with significant interaction with the local airport and businesses.		
04/13–12/24	LADOTD, I-49 South: Ambassador Caffery and U.S. 90 Interchange, Lafayette Parish, LA. Principal-In-Charge. Provided contract oversight for the project. Work included conducting geotechnical field investigations and geotechnical analyses for the roadway project.		

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Firm employed by Fugro USA Land, Inc.			
Name	Nestor Suarez, PhD, MBA, PE		Years of relevant experience with this employer
Title	Principal Engineer		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		MBA / 2019 PhD / 2013 / Geotechnical Engineering MS / 2009 / Civil Engineering BS / 2006 / Civil Engineering	
Active registration number / state / expiration date		122307 / Texas / 09.30.2026	
Year registered	2015	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Geotechnical Support / He will provide expert judgment on subsurface investigations, foundation design, earthwork, slope stability, retaining structures, and ground improvement.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
01/12–ongoing	Dr. Nestor Suarez is a distinguished geotechnical engineer with a PhD from Virginia Polytechnic Institute and an MBA from the University of Texas at Austin. With 15 years of experience in the field, he has been a pivotal member of Fugro since 2012, specializing in nearshore, coastal, water, and LNG projects.		
02/23–ongoing	Brazos River Authority Morris Sheppard Dam Inspection Services (2023-2027), Palo Pinto County, TX. Fugro is performing an extensive geotechnical investigation to determine the cause of the high uplift pressures and to develop remedial measures to stabilize the dam.		
11/25–ongoing	Brazos River Authority Morris Sheppard Dam Bay 9 Weir, Gradford, TX. Fugro is providing geotechnical support to Walter P. Moore and Associates (WPM) in evaluating the existing Bay 9 weir. Bay 9 weir has deteriorated over time due to Hydrogen Sulfide gas. Plans are to evaluate the condition of the existing Bay 9 weir and possibly devise methodology to either repair the existing weir or replace it completely.		
11/24–ongoing	Brazos River Authority DeCordova Bend Dam, Trifecta, Hood County, TX. Since 1949, Fugro has been providing geotechnical support for the existing DeCordova Bend Dam located on the Brazos River. Fugro is assisting WPM with geotechnical aspects of the condition assessment of the dam structure.		

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Firm employed by Fugro USA Land, Inc.			
Name	Anwar Akhtar, PE		Years of relevant experience with this employer
Title	Engineer		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		MS / 1998 / Civil Engineering ME / 1995 / Civil Engineering BS / 1991 / Civil Engineering	
Active registration number / state / expiration date		0047911 / Louisiana / 09.30.2027	
Year registered	2023	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities		Geotechnical Support / He will provide geotechnical support for dam safety evaluations, including inspections, analysis, and design recommendations to ensure regulatory compliance and public safety.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
01/09–ongoing	With a robust career spanning 28 years, Anwar has extensive experience in the field of geotechnical engineering and Construction Materials Engineering and Testing (CMET) services. As the Chief Geotechnical Engineer for Fugro’s Gulf Region, he has demonstrated his expertise through various leadership roles, including Testing and Monitoring Service Line Manager and CMET Regional Manager. His experience encompasses a broad spectrum of geotechnical engineering projects, including highways, bridges, embankments, dams, levees, and both high-rise and subterranean structures.		
11/25–ongoing	Brazos River Authority Morris Sheppard Dam Bay 9 Weir, Gradford, TX. Fugro is providing geotechnical support to Walter P. Moore and Associates (WPM) in evaluating the existing Bay 9 weir. Bay 9 weir has deteriorated over time due to Hydrogen Sulfide gas. Plans are to evaluate the condition of the existing Bay 9 weir and possibly devise methodology to either repair the existing weir or replace it completely.		
11/24–ongoing	Brazos River Authority DeCordova Bend Dam, Trifecta, Hood County, TX. Since 1949, Fugro has been providing geotechnical support for the existing DeCordova Bend Dam located on the Brazos River in Granbury Texas. The dam is owned and operated by the Brazos River Authority. At present, Fugro has is assisting WPM with geotechnical aspects of the condition assessment of the dam structure.		
01/22–10/22	DeCordova Bend Dam, Buttresses 1 and 44, Task 3, Hood County, TX. The assessment included a comprehensive structural strength, stability and serviceability analysis of Buttresses No. 1 and No. 44, contiguous embankment retaining walls, and other adjacent structural components that define the transition from the service spillway of the dam to the embankment of the dam.		

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Firm employed by VRX, Inc.			
Name	James E. Dingel, PG, CHMM, CAPM		Years of relevant experience with this employer
Title	Hazardous Materials Manager		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		BS / 1985 / Geology	
Active registration number / state / expiration date		Professional Geologist: #815 / Louisiana / 06.23.2026	
Year registered	2026	Discipline	Geology
Contract role(s) / brief description of responsibilities		Environmental Lead / He will conduct hydrogeologic contamination assessments, remedial system design and installation, system operations/maintenance, risk assessments, and program management.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
01/26–ongoing	Brazos River Authority Morris Sheppard Dam Bay 9 Weir, Gradford, TX. As a subconsultant to Walter P Moore, VRX is providing environmental and engineering services, including air and water sampling to monitor hydrogen sulfide concentrations from a leaking dam bay. VRX is also evaluating the existing ventilation system and recommending potential upgrades.		
06/24–ongoing	Trinity River Authority of Texas. As a subconsultant, VRX is providing environmental services to the Trinity River Authority at their wastewater treatment facilities in the Northern Region. In addition, VRX prepared a Waste Management Plan to address hazardous and non-hazardous waste generated by their Central Regional Treatment System (CRWS) analytical laboratory. VRX has also prepared Spill Prevention Control and Countermeasures Plan for the CRWS facility and 2 additional wastewater plants.		
01/15–11/22	Texas Department of Transportation (TxDOT), Border West Expressway (Loop 375 Extension), El Paso, TX. As a subconsultant, under the General Engineering Contract (GEC), he served as the TxDOT representation for Hazardous Materials Management oversight. The project involved construction through a State Superfund site at the former Asarco Smelting Facility. Responsibilities include review of the developer’s team submittals, including Site Investigation Reports, Investigative Work Plans, waste disposal sampling and profiling, waste disposal (hazardous and non-hazardous), and regulatory reports to Texas Commission on Environmental Quality with regard to all hazardous materials issues on the project, including soil relocations within the Former Asarco Smelter Facility and relocation of two Class 1 railroad tracks for Union Pacific Railroad (UPRR) and Burlington Northern Santa Fe Railroad.		
02/18–07/18	North Texas Tollway Authority Fuel Transport Incident and Remediation, TX. As the Maintenance Management Contractor, VRX oversaw the response action, remediation, and site management activities for an incident in which a fuel tanker had turned over on the Sam Rayburn Tollway at Marchant Blvd. The transport spilled 8,000 gallons of unleaded fuel, impacting the grass median and storm drain system in the area. Served as NTTA’s on-site representative with TCEQ during site inspections and updates regarding the operations, sampling, and reporting of the remedial activities. VRX oversaw the		

	reconstruction of the roadway. Tasks included the grading and proper drainage of the area to meet prior conditions. When remediation was completed, the incident was closed with TCEQ requiring no additional actions.
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Firm employed by Surveying And Mapping, LLC			
Name	Justin Dean Stroud, PLS		Years of relevant experience with this employer
Title	Senior Project Manager		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		AAS / 2006 / Surveying & Mapping Technology BS / 2008 / Industrial Technology (Surveying & Mapping Emphasis)	
Active registration number / state / expiration date		0005218 / Louisiana / 09.30.2027; 6338 / Texas / 12.31.2026	
Year registered	2019; 2011	Discipline	Professional Land Surveyor
Contract role(s) / brief description of responsibilities		Survey Lead / He will be responsible for overseeing all aspects of land surveying and coordination of required surveying disciplines. Duties will include topographic and planimetric surveying, boundary analysis, right-of-way identification as needed, and review and certification of surveying deliverables.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
08/98–08/04	Experience with TxDOT on and off system bridges, small highway rehabilitation/expansion projects. Duties included crew chief for setting survey control utilizing manual level loops, collecting design topographic data utilizing Survey Data Management System (SDMS), and preparation of deliverables utilizing Computer Aided Civil Engineering (CAiCE) software. Performed cross and valley sections upstream and downstream of bridge projects.		
08/04–01/16	Experience with engineering support surveying at multiple lignite/coal mines in East and Central Texas. Duties included crew chief for topographic surveys, weir surveying and ash pond volumetric surveys, preparation of office deliverables utilizing Carlson Software. Performed annual dam alignment and elevation survey for Martin Creek Lake/Power Plant.		
01/16–ongoing	Experience with topographic surveying for ALTA surveys, as well as reviewing/utilizing LiDAR surveys for renewable sites and electric transmission line brownfield easement surveys. Duties include boundary analysis, ground topographic data review, review and certification of surveying deliverables utilizing AutoCAD Civil 3D. Performed crossing permits of transmission line easements for TxDOT and LA DOTD.		

16. Staff Experience:

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

Firm employed by Surveying And Mapping, LLC			
Name	Robert Hertwig		Years of relevant experience with this employer
Title	Geospatial Department Manager - Associate		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		AAS / 2005 / CADD	
Active registration number / state / expiration date		ASPRS Certified Photogrammetrist #R1606CP / Nationwide / Nov 2026	
Year registered	10	Discipline	Certified Photogrammetrist (CP)
Contract role(s) / brief description of responsibilities		Survey Support / He will support all aspects of land surveying and coordination of required surveying disciplines. Duties include topographic and planimetric surveying, boundary analysis, right-of-way identification as needed, and review and certification of surveying deliverables.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
10/91–10/94	Field surveying including GPS/Total Station. Collected and processed field data. (Survcon)		
03/01–10/11	Aerial Mapping/CAD Technician/Manager. Created digital terrain models and planimetrics from Airbourne LiDAR and photogrammetry, terrestrial LiDAR, topographic and boundary surveys, and hydro graphic surveying. Supervised the aerial mapping department. (Survcon)		
10/11–ongoing	Project Manager/Senior Project Manager. Tracking and managing team members and all types of LiDAR/Hydrographic/Topographic projects.		

16. Staff Experience:

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

Firm employed by Surveying And Mapping, LLC (SAM)			
Name	Allen Siler		Years of relevant experience with this employer
Title	Vice President – Aerial Operations		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		AAS / 2005 / Surveying Technology/Surveying BS / 1999 / Mechanical Engineering Design	
Active registration number / state / expiration date		ASPRS – Certified Photogrammetrist #1619; ASPRS – CMT-LiDAR #050LT	
Year registered	9	Discipline	Remote Sensing Technologies
Contract role(s) / brief description of responsibilities		Survey Support / He will support all aspects of land surveying and coordination of required surveying disciplines. Duties include topographic and planimetric surveying, boundary analysis, right-of-way identification as needed, and review and certification of surveying deliverables.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
06/00–09/06	Survey Technician/Photogrammetrist		
06/06–10/17	Photogrammetry/LiDAR Lead Technologist		
10/17–10/19	Photogrammetry/LiDAR Project Manager (Geospatial SME)		
10/19–09/23	Photogrammetry/LiDAR Senior Project Manager (Geospatial SME)		
09/23–01/24	Associate – Aerial Operations. Senior Project Manager (Geospatial SME)		
01/24–01/26	Associate - Aerial Operations. Senior Business Development Manager (Geospatial SME)		
01/26–ongoing	Associate Vice President of Aerial Operations, Business Development (Geospatial SME)		

16. Staff Experience:

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

Firm employed by ASI MARINE LP			
Name	Clinton E. Johnson, PLS		Years of relevant experience with this employer
Title	Vice President		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		AAS / 1986 / Survey Engineering Technology	
Active registration number / state / expiration date		050444 / New York / 04.30.2029; SU046644E / Pennsylvania / 09.30.2027	
Year registered	2001; 1994	Discipline	Professional Surveyor
Contract role(s) / brief description of responsibilities		Diving/Remotely Operated Vehicles (ROV) Lead / Clinton will oversee all aspects of Diving and ROV work under this contract, providing management, administration, and quality assurance.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
05/04–04/26	Program management, task order administration, and quality assurance for all hydrographic surveying and remote inspection services managed in the United States.		

16. Staff Experience:

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

Firm employed by ASI MARINE LP			
Name	Dan Cousineau, P.Eng		Years of relevant experience with this employer
Title	Director of Engineering		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		BS / 2001 / Electrical Engineering B.Tech / 2003 / Electronics Engineering Technologist	
Active registration number / state / expiration date		100120078 / Niagara, Western Region (Canada)	
Year registered	2010	Discipline	Electrical Engineering
Contract role(s) / brief description of responsibilities		Diving/ROV Support / Dan will serve as a Senior Technician for work under this contract, leading multidisciplinary teams in executing complex projects and integrating advanced positioning systems, inertial navigation, sonars, and photogrammetry for detailed underwater infrastructure assessments.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
04/04–04/26	Drove significant technological advancements and contributed to numerous high-profile projects across the U.S., Canada, and internationally.		

16. Staff Experience:

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

Firm employed by ASI MARINE LP			
Name	Ben Greatrix		Years of relevant experience with this employer
Title	Senior ROV Technician		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		BS / 2020 / Mechanical Engineering Minor / 2020 / Robotics	
Active registration number / state / expiration date		Awaiting license certificate (earned April 2026)	
Year registered	2026	Discipline	Mechanical Engineering
Contract role(s) / brief description of responsibilities		Diving/ROV Support / Ben will serve as a Senior Technician for work under this contract, combining technical expertise with extensive field experience to deliver high-quality underwater inspection and survey services.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
12/21–04/26	Specializes in ROV deployment, sonar data acquisition, and data interpretation.		

16. Staff Experience:

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

Firm employed by ASI MARINE LP			
Name	David Bearss		Years of relevant experience with this employer
Title	Project Manager/Senior Hydrographer		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		AAS / 2011 / Freshwater Studies BS / 2011 / Natural Resource Management AAS / 2007 / Science and Technology	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Diving/ROV Support / David will serve as a Senior Technician for work under this contract, provide project management and quality control review for Diving/ROV services, remotely operated inspection services, and marine geophysical and hydrographic surveying services.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
04/12–04/26	Specialized in project management, marine geophysical and hydrographic surveys, remotely operated vehicle inspections, cathodic protection surveys, and environmental sampling, as well as boat handling and operations.		

16. Staff Experience:

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

Firm employed by ASI MARINE LP			
Name	Zachery O'Neill		Years of relevant experience with this employer
Title			Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		AAS / 2018 / Computer Drafting and Design	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Diving/ROV Support / Zachery will serve as a Senior Technician for work under this contract, assisting with bathymetric data collection, processing and mapping as well as photogrammetric data collection and modeling.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
04/20–04/26	Hydrographer and drafter with experience in the civil, mechanical, and electrical fields, experienced with AutoCAD, MicroStation, SolidWorks, MetaShape, and other software.		

16. Staff Experience:

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

Firm employed by ASI MARINE LP			
Name	Nick Wittering		Years of relevant experience with this employer
Title	Senior Technician		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		ROV Technician Diploma	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Diving/ROV Support / Nick will serve as a Senior Technician for work under this contract, operating and maintaining remotely operated vehicle (ROV) systems to support complex underwater inspection and infrastructure projects.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
01/19–04/26	Participated in diverse projects, including tunnel, pipeline, and hydroelectric infrastructure inspections, as well as dam and water control structure assessments.		

16. Staff Experience:

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

Firm employed by ASI MARINE LP			
Name	Daniel Rockx		Years of relevant experience with this employer
Title	Senior Technician		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		Advanced Diploma of Electronics Engineering Technology	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Diving/ROV Support / Daniel will serve as a Senior Technician for work under this contract, operating and maintaining remotely operated vehicle (ROV) systems to support complex underwater inspection and infrastructure projects.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
9/21–04/26	Maintained, operated, and adapted ROV systems to ensure reliable performance and high-quality inspection data in a wide range of site conditions.		

17. Firm Experience:

Identify the team's project experience **most relevant** to the scope in the advertisement. **The projects*** should be limited to a total of 20, with no more than 5 projects being represented by the prime consultant and with no more than 3 projects represented by each sub-consultant on the team. If more than 5 projects are identified for the prime consultant, all projects identified after the first 5 will not be evaluated. If more than 3 projects are identified for a single sub-consultant, all projects identified after the first 3 from that sub-consultant will not be evaluated.** Include no more than one page per project. Projects identified shall only include work performed by firms on the team. The projects identified do not necessarily need to have been DOTD projects.

* If there is more than one discipline included in the proposal, then indicate which discipline(s) this project is being used to represent.

**This field cannot be left blank and N/A is not acceptable.

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.

~~~Copy these disciplines exactly as they are listed above.~~~

\*\*\* Consultants have the flexibility to determine what a project is though **still limited to one project per sheet**. For example, an IDIQ or other retainer-type contract can be considered a project for the purpose of this section.

**17. Firm Experience:**

Identify the team's project experience **most relevant** to the scope in the advertisement. **The projects\*\*\* should be limited to a total of 20, with no more than 5 projects being represented by the prime consultant and with no more than 3 projects represented by each sub-consultant on the team. If more than 5 projects are identified for the prime consultant, all projects identified after the first 5 will not be evaluated. If more than 3 projects are identified for a single sub-consultant, all projects identified after the first 3 from that sub-consultant will not be evaluated.** Include no more than one page per project. Projects identified shall only include work performed by firms on the team. The projects identified do not necessarily need to have been DOTD projects.

|                                         |                                                                                                                                                  |                                                               |                                                        |                                                     |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------|-----------------------------------------------------|
| Firm name                               | Walter P. Moore and Associates, Inc.                                                                                                             | Discipline(s)*                                                | Geotech, Other (Dam Safety Engineering), Environmental |                                                     |
| Project name                            | City of Pflugerville Lake Pflugerville Dam Emergency Action Plan Update                                                                          |                                                               | Firm responsibility (prime or sub?)                    | Prime Consultant                                    |
| Project number                          |                                                                                                                                                  | Owner's name                                                  | City of Pflugerville                                   |                                                     |
| Project location                        | Pflugerville, Texas                                                                                                                              |                                                               | Owner's Project Manager                                | Brandon Pritchett, PE, CFM, Public Utility Director |
| Owner's address, phone, email           | 15500 Sun Light Near Way, #B, Pflugerville, TX 78660; 512.990.6402; <a href="mailto:brandonp@pflugervilletx.gov">brandonp@pflugervilletx.gov</a> |                                                               |                                                        |                                                     |
| Services commenced by this firm (mm/yy) | 06/22                                                                                                                                            | Total consultant contract cost (\$1,000's)                    |                                                        | \$253,700.00                                        |
| Services completed by this firm (mm/yy) | 07/24                                                                                                                                            | Cost of consultant services provided by this firm (\$1,000's) |                                                        | \$253,700.00                                        |

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

Walter P Moore served as the Prime Consultant for the City of Pflugerville's Lake Pflugerville Dam Emergency Action Plan (EAP) Update. The project was undertaken to comply with the Texas Commission on Environmental Quality's (TCEQ) five-year regulations. The scope included a comprehensive dam site inspection, design flood analysis using advanced 2D modeling, geotechnical inspection, spillway structural analysis, breach analysis, and inundation mapping. The team reevaluated the design flood due to intensified downstream development, developed breach scenarios to define downstream inundation and potential impacts, and identified hydrostatic and hydrodynamic forces during peak flow conditions in the spillway chute and energy dissipater. Structural adequacy of the existing spillway was assessed using 2D finite element analysis and hand calculations. The project also included coordination with TCEQ and the City, and the deliverables provided updated evacuation routes and floodplain mapping. This update to the EAP will serve the future needs of the City of Pflugerville in protecting the public in the unlikely event of a dam failure.

**Key Staff:**

Project Manager - Water Resources **Andrew Yung, PE, CFM, BC.WRE**

Structural Project Manager - **Spencer Livermore, PE**

QA/QC - **Mark Williams, PhD, PE, SE**

GIS Analyst - **Michael Henze**

**17. Firm Experience:**

Identify the team's project experience **most relevant** to the scope in the advertisement. **The projects\*\*\* should be limited to a total of 20, with no more than 5 projects being represented by the prime consultant and with no more than 3 projects represented by each sub-consultant on the team. If more than 5 projects are identified for the prime consultant, all projects identified after the first 5 will not be evaluated. If more than 3 projects are identified for a single sub-consultant, all projects identified after the first 3 from that sub-consultant will not be evaluated.** Include no more than one page per project. Projects identified shall only include work performed by firms on the team. The projects identified do not necessarily need to have been DOTD projects.

|                                         |                                                                                                                                |                                                               |                                                                       |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------------------|
| Firm name                               | Walter P. Moore and Associates, Inc.                                                                                           | Discipline(s)*                                                | Geotech, Other (Dam Safety Engineering), Environmental                |
| Project name                            | Brazos River Authority, Morris Sheppard Dam Inspection Services (2023-2027)                                                    | Firm responsibility (prime or sub?)                           | Prime Consultant                                                      |
| Project number                          |                                                                                                                                | Owner's name                                                  | Brazos River Authority                                                |
| Project location                        | Palo Pinto County, Texas                                                                                                       | Owner's Project Manager                                       | Michael McClendon, Chief Projects Officer   Project Delivery Division |
| Owner's address, phone, email           | 4600 Cobbs Drive, Waco, TX 76710; 254.761.3169; <a href="mailto:michael.mcclendon@brazos.org">michael.mcclendon@brazos.org</a> |                                                               |                                                                       |
| Services commenced by this firm (mm/yy) | 04/23                                                                                                                          | Total consultant contract cost (\$1,000's)                    | \$1,179,955.00                                                        |
| Services completed by this firm (mm/yy) | ongoing                                                                                                                        | Cost of consultant services provided by this firm (\$1,000's) | N/A - project ongoing                                                 |

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

Walter P Moore serves as the prime consultant for the Brazos River Authority (BRA) on the Morris Sheppard Dam, a large high-hazard facility managing Possum Kingdom Reservoir. Through 2027, Walter P Moore is responsible for the Texas Commission on Environmental Quality (TCEQ) five-year inspection and annual maintenance inspections, leading multidisciplinary assessments — including geotechnical, structural, civil, hydrology and hydraulics, surveying, and underwater evaluations — to identify and address any dam safety issues. Services include analyzing riprap protection, seepage, and internal erosion potential, developing cost-effective repair strategies, and facilitating technical workshops such as Potential Failure Mode Analysis to integrate risk scenarios. The team ensures regulatory compliance, operational reliability, and long-term structural preservation. The project also includes coordination with subconsultants for geotechnical (Fugro), mechanical and electrical (VRX), and survey services. BRA has consistently commended rapid response, and commitment to public safety, ensuring the dam continues to meet safety standards while protecting critical water supply infrastructure.

**Key Staff:**

Principal-in-Charge and Project Manager - **Spencer Livermore, PE**  
 Water Resources Engineer - **Andrew Yung, PE, CFM, BC.WRE**  
 Water Resources Engineer - **Hossein Sadeghi, PE, CFM, BC.WRE**  
 Structural Engineer - **Jon Pevey, PE**

Civil Engineer - **Ernie Fields, PE**  
 QA/QC - **Mark Williams, PE**  
 Engineer - **Neel Salvi, PE, CFM**  
 Geotechnical Engineer - **Anwar Akhtar, PE** (Fugro)

**17. Firm Experience:**

Identify the team's project experience **most relevant** to the scope in the advertisement. **The projects\*\*\* should be limited to a total of 20, with no more than 5 projects being represented by the prime consultant and with no more than 3 projects represented by each sub-consultant on the team. If more than 5 projects are identified for the prime consultant, all projects identified after the first 5 will not be evaluated. If more than 3 projects are identified for a single sub-consultant, all projects identified after the first 3 from that sub-consultant will not be evaluated.** Include no more than one page per project. Projects identified shall only include work performed by firms on the team. The projects identified do not necessarily need to have been DOTD projects.

|                                         |                                                                        |                                                                                                                               |                                                               |                                     |                                                        |                                     |
|-----------------------------------------|------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------|--------------------------------------------------------|-------------------------------------|
| Firm name                               | Walter P. Moore and Associates, Inc.                                   |                                                                                                                               | Discipline(s)*                                                |                                     | Geotech, Other (Dam Safety Engineering), Environmental |                                     |
| Project name                            | Ridge Lake Shores Property Owner's Association Ridge Lake Dam Retrofit |                                                                                                                               |                                                               | Firm responsibility (prime or sub?) |                                                        | Prime Consultant                    |
| Project number                          |                                                                        | Owner's name                                                                                                                  | Ridge Lake Shores Property Owner's Association                |                                     |                                                        |                                     |
| Project location                        | Montgomery, Texas                                                      |                                                                                                                               |                                                               | Owner's Project Manager             |                                                        | Steve Fitzgerald, PE, D.WRE, M.ASCE |
| Owner's address, phone, email           |                                                                        | PO Box 160, Tomball, Texas 77377-0160; 713.875.1212; <a href="mailto:sfitzgerald1516@gmail.com">sfitzgerald1516@gmail.com</a> |                                                               |                                     |                                                        |                                     |
| Services commenced by this firm (mm/yy) |                                                                        | 08/20                                                                                                                         | Total consultant contract cost (\$1,000's)                    |                                     |                                                        | \$265,139.00                        |
| Services completed by this firm (mm/yy) |                                                                        | 03/26                                                                                                                         | Cost of consultant services provided by this firm (\$1,000's) |                                     |                                                        | \$265,139.00                        |

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

Walter P Moore served as the Prime Consultant for the Ridge Lake Dam Retrofit. The Ridge Lake Dam, originally constructed in 2006 as an amenity lake and detention facility for the Ridge Lake Shores Subdivision, required retrofitting due to changes in state dam safety criteria and increased downstream development. The design flood requirement was raised from 33% to 75% of the Probable Maximum Flood (PMF) per TCEQ regulations. Walter P Moore provided a preliminary design to retrofit the dam and spillway to meet the new requirements, including a hydrologic analysis of the watershed (accounting for two upstream dams), 2D hydraulic modeling of the reservoir and downstream reach, and development of multiple retrofit alternatives. The final recommended plan included a second overflow spillway to work in concert with the existing spillway, with cost estimates developed for implementation. Walter P Moore also provided the final design of the recommended plan along with construction administration services throughout the construction process. Lastly, to support the community's update to their Emergency Action Plan, dam breach analyses, and inundation mapping were developed and provided to the dam owner. The project required close coordination with the Property Owner's Association, TCEQ, and Montgomery County to ensure regulatory compliance and long-term dam safety.

**Key Staff:**

Principal Water Resources Engineer - **Andrew Yung, PE, CFM, BC.WRE**

Water Resources Engineer - Laurian Cuba, PE, CFM

Engineer - **Neel Salvi, PE, CFM**

Principal Civil Engineer - **Ernest Fields, PE, LEED AP**

GIS Analyst - **Michael Henze**

**17. Firm Experience:**

Identify the team's project experience **most relevant** to the scope in the advertisement. **The projects\*\*\* should be limited to a total of 20, with no more than 5 projects being represented by the prime consultant and with no more than 3 projects represented by each sub-consultant on the team. If more than 5 projects are identified for the prime consultant, all projects identified after the first 5 will not be evaluated. If more than 3 projects are identified for a single sub-consultant, all projects identified after the first 3 from that sub-consultant will not be evaluated.** Include no more than one page per project. Projects identified shall only include work performed by firms on the team. The projects identified do not necessarily need to have been DOTD projects.

|                                         |                                                                                                                                                          |                                                               |                                                        |                                                              |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------------|
| Firm name                               | Walter P. Moore and Associates, Inc.                                                                                                                     | Discipline(s)*                                                | Geotech, Other (Dam Safety Engineering), Environmental |                                                              |
| Project name                            | City of Carrollton Colonial House Dam and Josey Ranch Dam Inspections and Spillway Capacity Analyses                                                     |                                                               | Firm responsibility (prime or sub?)                    | Prime Consultant                                             |
| Project number                          |                                                                                                                                                          | Owner's name                                                  | City of Carrollton                                     |                                                              |
| Project location                        | Carrollton, Texas                                                                                                                                        |                                                               | Owner's Project Manager                                | Matthew Brennan, PE, CFM, Civil Engineering Division Manager |
| Owner's address, phone, email           | 1945 E. Jackson Road, Carrollton, TX 75006; 972.466.3183; <a href="mailto:Matthew.Brennan@cityofcarrollton.com">Matthew.Brennan@cityofcarrollton.com</a> |                                                               |                                                        |                                                              |
| Services commenced by this firm (mm/yy) | 06/24                                                                                                                                                    | Total consultant contract cost (\$1,000's)                    |                                                        | \$121,300.00                                                 |
| Services completed by this firm (mm/yy) | 04/25                                                                                                                                                    | Cost of consultant services provided by this firm (\$1,000's) |                                                        | \$121,300.00                                                 |

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

Walter P Moore served as the Prime Consultant for the inspection and spillway capacity analyses of Colonial House Dam (TX00598) and Josey Ranch Dam (TX07091), both classified as small high-hazard dams due to their proximity to downstream development. The project included comprehensive dam safety inspections, hydrologic and hydraulic analyses using HEC-HMS to assess spillway capacity, and recommendations to address identified deficiencies. For Colonial House Dam, completed in 1960, the team evaluated the principal gabion overflow spillway and auxiliary earthen spillway, which frequently engages during heavy rainfall. Inspection revealed deep ruts on the downstream face, threatening the dam's integrity, and alternatives to increase spillway capacity were proposed. For Josey Ranch Dam, modified in 2002, the team assessed the concrete walkway, parapet wall, and spillway system, identifying slope stability concerns and water bypass issues. Recommendations included tying the parapet wall into the abutment to restore capacity and safely pass the design flood. The project demonstrates Walter P Moore's expertise in dam safety engineering, geotechnical evaluation, and environmental compliance for municipal dam infrastructure.

**Key Staff:**

Principal-in-Charge - Andrew Yung, PE, CFM, BC.WRE

Project Manager - Andrew Yung, PE, CFM, BC.WRE

Structural Engineer - Spencer Livermore, PE

GIS Analyst - Michael Henze

Engineer - Neel Salvi, PE, CFM

**17. Firm Experience:**

Identify the team's project experience **most relevant** to the scope in the advertisement. **The projects\*\*\* should be limited to a total of 20, with no more than 5 projects being represented by the prime consultant and with no more than 3 projects represented by each sub-consultant on the team. If more than 5 projects are identified for the prime consultant, all projects identified after the first 5 will not be evaluated. If more than 3 projects are identified for a single sub-consultant, all projects identified after the first 3 from that sub-consultant will not be evaluated.** Include no more than one page per project. Projects identified shall only include work performed by firms on the team. The projects identified do not necessarily need to have been DOTD projects.

|                                         |                                                                                                                  |                                                               |                                                        |                  |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------|------------------|
| Firm name                               | Walter P. Moore and Associates, Inc.                                                                             | Discipline(s)*                                                | Geotech, Other (Dam Safety Engineering), Environmental |                  |
| Project name                            | Toledo Bend, Sabine River Authority, Wire Rope Testing Document Review                                           |                                                               | Firm responsibility (prime or sub?)                    | Prime Consultant |
| Project number                          |                                                                                                                  | Owner's name                                                  | Sabine River Authority                                 |                  |
| Project location                        | Toledo Bend Dam, Texas/Louisiana                                                                                 |                                                               | Owner's Project Manager                                | Andrew Balingit  |
| Owner's address, phone, email           | 12777 State Hwy 87, Orange, TX 77632; 713.894.1410; <a href="mailto:abalingit@sratx.org">abalingit@sratx.org</a> |                                                               |                                                        |                  |
| Services commenced by this firm (mm/yy) | 01/26                                                                                                            | Total consultant contract cost (\$1,000's)                    |                                                        | \$17,500.00      |
| Services completed by this firm (mm/yy) | ongoing                                                                                                          | Cost of consultant services provided by this firm (\$1,000's) |                                                        | \$17,500.00      |

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

Walter P Moore serves as the prime consultant for the Sabine River Authority under a Five-Year Engineering Master Services Agreement (MSA) at the Toledo Bend hydroelectric facility. As part of this contract, Walter P Moore is responsible for multidisciplinary engineering services, including the review of wire rope testing documentation for dam safety and operational reliability. The firm's role includes document review, assessment of testing procedures and results, and recommendations for ongoing maintenance and compliance with regulatory standards. The team's expertise ensures that the wire rope systems critical to dam operations are thoroughly evaluated for safety, performance, and regulatory compliance.

**Key Staff:**

Project Manager - Spencer Livermore, PE

Structural Engineer - Milagros Pinto Nunez, PhD, PE

QA/QC - Mark Williams, PE

**17. Firm Experience:**

Identify the team's project experience **most relevant** to the scope in the advertisement. **The projects\*\*\* should be limited to a total of 20, with no more than 5 projects being represented by the prime consultant and with no more than 3 projects represented by each sub-consultant on the team. If more than 5 projects are identified for the prime consultant, all projects identified after the first 5 will not be evaluated. If more than 3 projects are identified for a single sub-consultant, all projects identified after the first 3 from that sub-consultant will not be evaluated.** Include no more than one page per project. Projects identified shall only include work performed by firms on the team. The projects identified do not necessarily need to have been DOTD projects.

|                                         |                                                                                                             |                                                               |                                                    |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------------------------------------------|
| Firm name                               | Fugro USA Land, Inc.                                                                                        | Discipline(s)*                                                | Geotech                                            |
| Project name                            | DeCordova Bend Dam, Buttresses 1 and 44, Task 3                                                             | Firm responsibility (prime or sub?)                           | Subconsultant                                      |
| Project number                          | 04.00207041                                                                                                 | Owner's name                                                  | Brazos River Authority                             |
| Project location                        | Granbury, Texas Hood County, Texas                                                                          | Owner's Project Manager                                       | Spencer Livermore (Walter P. Moore and Associates) |
| Owner's address, phone, email           | 4600 Cobbs Drive Waco, TX 76710; 254 761-3100; slivermore@walterpmoore.com (Walter P. Moore and Associates) |                                                               |                                                    |
| Services commenced by this firm (mm/yy) | 01/22                                                                                                       | Total consultant contract cost (\$1,000's)                    | \$48,570.00                                        |
| Services completed by this firm (mm/yy) | 10/22                                                                                                       | Cost of consultant services provided by this firm (\$1,000's) | \$48,570.00                                        |

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

The Brazos River Authority has contracted Walter P. Moore and Associates (WPM) to assess Buttresses No. 1 and No. 44 of De Cordova Bend Dam. The assessment included a comprehensive structural strength, stability and serviceability analysis of Buttresses No. 1 and No. 44, contiguous embankment retaining walls, and other adjacent structural components that define the transition from the service spillway of the dam to the embankment of the dam. Fugro was contracted by WPM to conduct three tasks of the study: 1) review existing geotechnical information and perform preliminary engineering stability and settlement analyses based on existing information, 2) develop and execute the field investigation and laboratory test programs to refine soil parameters, and 3) refine engineering analyses performed in the first task, to assist WPM with their assessment.

Key Staff:

Anwar Akhtar

**17. Firm Experience:**

Identify the team's project experience **most relevant** to the scope in the advertisement. **The projects\*\*\* should be limited to a total of 20, with no more than 5 projects being represented by the prime consultant and with no more than 3 projects represented by each sub-consultant on the team. If more than 5 projects are identified for the prime consultant, all projects identified after the first 5 will not be evaluated. If more than 3 projects are identified for a single sub-consultant, all projects identified after the first 3 from that sub-consultant will not be evaluated.** Include no more than one page per project. Projects identified shall only include work performed by firms on the team. The projects identified do not necessarily need to have been DOTD projects.

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|-----------------------------------------|--------------------------------------------------------------------------|--------------|---------------------------------------------------------------|-------------------------|-------------------------------------|------------------|
| Firm name                               | Fugro USA Land, Inc.                                                     |              | Discipline(s)*                                                |                         | Geotech                             |                  |
| Project name                            | Morris Sheppard Dam                                                      |              |                                                               |                         | Firm responsibility (prime or sub?) | Prime Consultant |
| Project number                          | 04.10130164 + multiple as we are still providing these services.         | Owner's name | Brazos River Authority (BRA)                                  |                         |                                     |                  |
| Project location                        | Palo Pinto County, Texas                                                 |              |                                                               | Owner's Project Manager | Jeff Posvar                         |                  |
| Owner's address, phone, email           | 4600 Cobbs Drive Waco, TX 76710; 254.761.3100; jeffrey.posvar@brazos.org |              |                                                               |                         |                                     |                  |
| Services commenced by this firm (mm/yy) |                                                                          | 04/86        | Total consultant contract cost (\$1,000's)                    |                         |                                     | \$5 million      |
| Services completed by this firm (mm/yy) |                                                                          | ongoing      | Cost of consultant services provided by this firm (\$1,000's) |                         |                                     | \$5 million      |

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

Fugro has provided geotechnical services to the Brazos River Authority for Morris Sheppard Dam since 1986 starting with the 5-year inspection required by the Federal Energy Regulatory Commission (FERC). During the 1986 inspection, Fugro identified excessive piezometric pressures in the foundation shales and determined that the dam had critical stability problems. Since then, Fugro has provided services including:

- Planning and conducting an extensive geotechnical investigation into the cause of the movement of the dam (this investigation required a major field exploration program and the installation of a significant number of instrumentations to characterize foundation conditions).
- Analyzing field and instrumentation data to identify the "most probable" sliding surface and the impact that the measured piezometric uplift pressures had on the stability of the dam.
- Performing stability analyses to back calculate foundation strength parameters and develop recommendations to improve stability of the dam.
- Reviewing, analyzing and assessing periodic instrumentation and relief well data reports, and instrumentation maintenance reports prepared by BRA.
- Periodically reading and assessing the inclinometer instrumentation at the dam.
- Preparing annual geotechnical evaluation reports using instrumentation data assembled by BRA.
- Conducting the geotechnical evaluation for the last three 5-year Part 12 Inspections since remediation (1997, 2002, and 2007) as required by FERC. Participating in the "Failure Mode Analysis" in 2002 and 2007 as specified by FERC for regulated dams subject to the Part 12, Subpart D Safety Inspection.

***Fugro continues to provide these services for the Brazos River Authority.***

Key Staff:

**Anwar Akhtar, PE**

**17. Firm Experience:**

Identify the team's project experience **most relevant** to the scope in the advertisement. **The projects\*\*\* should be limited to a total of 20, with no more than 5 projects being represented by the prime consultant and with no more than 3 projects represented by each sub-consultant on the team. If more than 5 projects are identified for the prime consultant, all projects identified after the first 5 will not be evaluated. If more than 3 projects are identified for a single sub-consultant, all projects identified after the first 3 from that sub-consultant will not be evaluated.** Include no more than one page per project. Projects identified shall only include work performed by firms on the team. The projects identified do not necessarily need to have been DOTD projects.

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|-----------------------------------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-------------------------|---------------------------------------|---------------|
| Firm name                               | VRX, Inc.                         |                                                                                                                                               | Discipline(s)*                                                |                         | Environmental and Geotech             |               |
| Project name                            | Morris Sheppard Dam Bay 9 Project |                                                                                                                                               |                                                               |                         | Firm responsibility (prime or sub?)   | Subconsultant |
| Project number                          |                                   | Owner's name                                                                                                                                  | Brazos River Authority                                        |                         |                                       |               |
| Project location                        | Palo Pinto County, Texas          |                                                                                                                                               |                                                               | Owner's Project Manager | Spencer Livermore PE (Walter P Moore) |               |
| Owner's address, phone, email           |                                   | 500 Akard Street, Suite 2300, Dallas, Texas 75201, 214.740.6236, <a href="mailto:SLivermore@walterpmoore.com">SLivermore@walterpmoore.com</a> |                                                               |                         |                                       |               |
| Services commenced by this firm (mm/yy) |                                   | 01/2026                                                                                                                                       | Total consultant contract cost (\$1,000's)                    |                         |                                       | \$232,000.00  |
| Services completed by this firm (mm/yy) |                                   | ongoing                                                                                                                                       | Cost of consultant services provided by this firm (\$1,000's) |                         |                                       | \$232,000.00  |

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

**James E. Dingel, PG, CHMM, CAPM** is serving as the Hazardous Materials Manager and is responsible for assisting the Prime, Walter P. Moore, with environmental services for this project. VRX is also providing engineering services to evaluate the existing ventilation system and potential upgrades.

The Morris Sheppard Dam is an Ambusen flat slap and embankment dam impounding Possum Kingdom Lake on the Brazos River. The dam has a leak in one bay, allowing water to flow through the structure. The water entering the dam releases hydrogen sulfide when in contact with the atmosphere due to the sulfate concentration. Jim is conducting air and water sampling of the water to determine the fluctuation of the hydrogen sulfide concentrations.

**17. Firm Experience:**

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|-----------------------------------------|-----------------------------------------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-------------------------|-----------------------------------------|---------------|
| Firm name                               | VRX, Inc.                               |                                                                                                  | Discipline(s)*                                                |                         | Environmental                           |               |
| Project name                            | Central Regional Wastewater System SPCC |                                                                                                  |                                                               |                         | Firm responsibility (prime or sub?)     | Subconsultant |
| Project number                          |                                         | Owner's name                                                                                     | Trinity River Authority of Texas                              |                         |                                         |               |
| Project location                        | Dallas, Texas                           |                                                                                                  |                                                               | Owner's Project Manager | Heather Goins (Mead & Hunt Engineering) |               |
| Owner's address, phone, email           |                                         | 6001 Interstate 20 West, Suite 214 Arlington, TX 76017, 817.330.0486, heather.goins@meadhunt.com |                                                               |                         |                                         |               |
| Services commenced by this firm (mm/yy) |                                         | 06/2024                                                                                          | Total consultant contract cost (\$1,000's)                    |                         |                                         | \$85,000.00   |
| Services completed by this firm (mm/yy) |                                         | ongoing                                                                                          | Cost of consultant services provided by this firm (\$1,000's) |                         |                                         | \$85,000.00   |

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

**James E. Dingel, PG, CHMM, CAPM** is the Hazardous Materials Manager for the portfolio. As part of the contract, VRX prepared an updated Spill Prevention, Control, and Countermeasure (SPCC) Plan and two additional wastewater plants for the Central Regional Wastewater Treatment System (CRWS) to address hazardous and non-hazardous waste generated by their analytical laboratory facility. The facility had 21 above-ground storage tanks and four lift stations subject to the regulations. The facility covers 495 acres and processes 189,000,000 gallons of wastewater per day. The volume of petroleum products stored was greater than 51,000 gallons of petroleum products.

**17. Firm Experience:**

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|                                         |                                                                                            |              |                                                               |                         |                                     |               |
|-----------------------------------------|--------------------------------------------------------------------------------------------|--------------|---------------------------------------------------------------|-------------------------|-------------------------------------|---------------|
| Firm name                               | Surveying And Mapping, LLC (SAM)                                                           |              | Discipline(s)*                                                |                         | Survey                              |               |
| Project name                            | Wesley Seale Dam                                                                           |              |                                                               |                         | Firm responsibility (prime or sub?) | Subconsultant |
| Project number                          | 1022072396                                                                                 | Owner's name | Freese and Nichols, Inc.                                      |                         |                                     |               |
| Project location                        | Lake Corpus Christi, Texas                                                                 |              |                                                               | Owner's Project Manager | Brian Bresler                       |               |
| Owner's address, phone, email           | 800 N. Shoreline Blvd, Suite 1600N, Corpus Christi, TX 78401, 361-561-6526, bdb@freese.com |              |                                                               |                         |                                     |               |
| Services commenced by this firm (mm/yy) |                                                                                            | 07/22        | Total consultant contract cost (\$1,000's)                    |                         |                                     | \$30,000.00   |
| Services completed by this firm (mm/yy) |                                                                                            | 08/22        | Cost of consultant services provided by this firm (\$1,000's) |                         |                                     | \$30,000.00   |

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

SAM performed a detailed survey of the dam including the eight spillway gate bays. Horizontal and vertical control were established and referenced to existing dam control. The eight spillway gate bays were surveyed using a 3D Scanner to obtain detailed dimensions and elevations. A point cloud was utilized to extract 3D faces of the piers to evaluate levelness and conditions of the structure. The survey included verification of elevations and dimensions of the gate operating bridge above the gates, including the top and bottom of slab, with beam elevations. SAM acquired Aerial LiDAR data utilizing Unmanned Aerial Systems (UAS). The LiDAR data was approximately 50 points per square meter average density, with 3-inch pixel GSD resolution orthoimagery. The data obtained from the 3D Scanner and the Aerial LiDAR were combined into one point cloud. **Allen Siler** was the Project Manager responsible for the project including the data collection and review of project deliverables.

**17. Firm Experience:**

Identify the team's project experience **most relevant** to the scope in the advertisement. **The projects\*\*\* should be limited to a total of 20, with no more than 5 projects being represented by the prime consultant and with no more than 3 projects represented by each sub-consultant on the team. If more than 5 projects are identified for the prime consultant, all projects identified after the first 5 will not be evaluated. If more than 3 projects are identified for a single sub-consultant, all projects identified after the first 3 from that sub-consultant will not be evaluated.** Include no more than one page per project. Projects identified shall only include work performed by firms on the team. The projects identified do not necessarily need to have been DOTD projects.

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|-----------------------------------------|-------------------------------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------|
| Firm name                               | Surveying And Mapping, LLC (SAM)                                                          | Discipline(s)*                                                | Survey                        |
| Project name                            | Lake Houston DAM                                                                          | Firm responsibility (prime or sub?)                           | Prime Consultant              |
| Project number                          | 1026106554                                                                                | Owner's name                                                  | Coastal Water Authority (CWA) |
| Project location                        | Houston, Texas                                                                            | Owner's Project Manager                                       | John Sealy                    |
| Owner's address, phone, email           | 1801 Main St. Ste. 800, Houston, TX 77002, 713-253-5256, jsealy@coastalwaterauthority.org |                                                               |                               |
| Services commenced by this firm (mm/yy) | 07/17                                                                                     | Total consultant contract cost (\$1,000's)                    | \$150,000.00                  |
| Services completed by this firm (mm/yy) | ongoing                                                                                   | Cost of consultant services provided by this firm (\$1,000's) | \$150,000.00                  |

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

SAM has been involved with this project since the summer of 2017. Initially the client wanted to know if the structure was moving and if there were any patterns to the movement. We started with high accuracy surveys to establish baseline values for monitoring stations and this evolved to terrestrial laser scanning to monitor the spillway, associated flood gates, and retaining walls. We have since laser scanned the dam four times to compare and report previous results. This was done post large storm/hurricane events. The 2026 scan is currently taking place. **Robert Hertwig-PM** is the Project Manager on all aspects of the projects going back to the initial survey.

**17. Firm Experience:**

Identify the team's project experience **most relevant** to the scope in the advertisement. **The projects\*\*\* should be limited to a total of 20, with no more than 5 projects being represented by the prime consultant and with no more than 3 projects represented by each sub-consultant on the team. If more than 5 projects are identified for the prime consultant, all projects identified after the first 5 will not be evaluated. If more than 3 projects are identified for a single sub-consultant, all projects identified after the first 3 from that sub-consultant will not be evaluated.** Include no more than one page per project. Projects identified shall only include work performed by firms on the team. The projects identified do not necessarily need to have been DOTD projects.

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|-----------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------|
| Firm name                               | Surveying And Mapping, LLC                                                                  | Discipline(s)*                                                | Survey        |
| Project name                            | Morris Sheppard Dam 5 Year Precision Survey                                                 | Firm responsibility (prime or sub?)                           | Subconsultant |
| Project number                          | 1019048373                                                                                  | Owner's name                                                  | Stantec       |
| Project location                        | Palo Pinto County, Texas                                                                    | Owner's Project Manager                                       | Martin Ellis  |
| Owner's address, phone, email           | 910 Louisiana Street, Suite 2600, Houston, TX 77002, 713.548.5722, martin.ellis@stantec.com |                                                               |               |
| Services commenced by this firm (mm/yy) | 02/2020                                                                                     | Total consultant contract cost (\$1,000's)                    | \$105,000.00  |
| Services completed by this firm (mm/yy) | 08/2020                                                                                     | Cost of consultant services provided by this firm (\$1,000's) | \$105,000.00  |

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

**Robert Hertwig** was the Senior Project Manager responsible for field data collection, data post processing, and overall project management that provided a US Army Corps of Engineers (USACE) high-precision dam monitoring survey for the Brazos River Authority. A high precision geodetic control network was surveyed to determine if any movement of the dam occurred over time. The project consisted of high-definition terrestrial LiDAR below the dam face to extract above water range line data and single beam hydrographic surveying along the same range lines to capture below water 3D data. The results were compiled into a 72-page detailed report per USACE Dam Deformation guidelines which was submitted to BRA along with 3D CAD files.

**17. Firm Experience:**

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| Firm name                               | ASI MARINE LP                                                                                                              |              | Discipline(s)*                                                |                                     | <b>Other (Remote Inspection Services) and<br/>Other (Hydrographic Surveying Services)</b> |                     |
| Project name                            | Narrows Dam Bathymetric Surveys at the Tailwater, Tailrace, and<br>Bypass Spillway Plunge Pool and Inspection of Penstocks |              |                                                               | Firm responsibility (prime or sub?) |                                                                                           | Prime<br>Consultant |
| Project number                          | RU21-038                                                                                                                   | Owner's name | Cube Yadkin Generation, LLC / Eagle Creek Renewable Energy    |                                     |                                                                                           |                     |
| Project location                        | Troy, North Carolina                                                                                                       |              |                                                               | Owner's Project Manager             | Dusty Myers, PE                                                                           |                     |
| Owner's address, phone, email           | 293 Highway 740, Badin, NC 28009, 601.624.1427, Dusty.Myers@eaglecreekre.com                                               |              |                                                               |                                     |                                                                                           |                     |
| Services commenced by this firm (mm/yy) |                                                                                                                            | 04/21        | Total consultant contract cost (\$1,000's)                    |                                     |                                                                                           | \$72,200.00         |
| Services completed by this firm (mm/yy) |                                                                                                                            | 06/21        | Cost of consultant services provided by this firm (\$1,000's) |                                     |                                                                                           | \$72,200.00         |

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

ASI MARINE LP provided underwater inspection services using remote inspection technologies, bathymetric surveys, and two-dimensional sonar imaging at Narrows Dam complex. The scope of the project was to perform bathymetric surveys at the Tailwater, Tailrace, and the Bypass Spillway Plunge Pool and to perform internal inspections of four penstocks.

**17. Firm Experience:**

Identify the team's project experience **most relevant** to the scope in the advertisement. **The projects\*\*\* should be limited to a total of 20, with no more than 5 projects being represented by the prime consultant and with no more than 3 projects represented by each sub-consultant on the team. If more than 5 projects are identified for the prime consultant, all projects identified after the first 5 will not be evaluated. If more than 3 projects are identified for a single sub-consultant, all projects identified after the first 3 from that sub-consultant will not be evaluated.** Include no more than one page per project. Projects identified shall only include work performed by firms on the team. The projects identified do not necessarily need to have been DOTD projects.

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| Firm name                               | ASI MARINE LP                                                            |              | Discipline(s)*                                                |                                     | <b>Other (Remote Inspection Services)</b> |                  |
| Project name                            | Narrows 2 Power Tunnel Inspection Using a Remotely Operated Vehicle      |              |                                                               | Firm responsibility (prime or sub?) |                                           | Prime Consultant |
| Project number                          | RU24-090                                                                 | Owner's name | Yuba County Water Agency                                      |                                     |                                           |                  |
| Project location                        | Penn Valley, California                                                  |              |                                                               | Owner's Project Manager             | Tim Truong, PE, PMP                       |                  |
| Owner's address, phone, email           | 1220 F Street, Marysville, CA 95901, 530.740.7081, ttruong@yubawater.org |              |                                                               |                                     |                                           |                  |
| Services commenced by this firm (mm/yy) |                                                                          | 05/24        | Total consultant contract cost (\$1,000's)                    |                                     |                                           | \$46,500.00      |
| Services completed by this firm (mm/yy) |                                                                          | 06/24        | Cost of consultant services provided by this firm (\$1,000's) |                                     |                                           | \$46,500.00      |

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

ASI MARINE LP conducted a remote inspection of the Narrows 2 Power TunnelA. The goal of the inspection was to utilize a remote vehicle equipped with sensors to acquire visual, navigational sonar, and two-dimensional profiling sonar data to assess the status of the tunnel.

**17. Firm Experience:**

Identify the team's project experience **most relevant** to the scope in the advertisement. **The projects\*\*\* should be limited to a total of 20, with no more than 5 projects being represented by the prime consultant and with no more than 3 projects represented by each sub-consultant on the team. If more than 5 projects are identified for the prime consultant, all projects identified after the first 5 will not be evaluated. If more than 3 projects are identified for a single sub-consultant, all projects identified after the first 3 from that sub-consultant will not be evaluated.** Include no more than one page per project. Projects identified shall only include work performed by firms on the team. The projects identified do not necessarily need to have been DOTD projects.

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|-----------------------------------------|----------------------------------------------------------------------------------------|--------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------|---------------|
| Firm name                               | ASI MARINE LP                                                                          |              | Discipline(s)*                                                                                                 |                                     | <b>Other (Remote Inspection Services) and Other (Hydrographic Surveying Services)</b> |               |
| Project name                            | Deer Creek Dam and Reservoir Hydrographic Surveying and Underwater Inspection Services |              |                                                                                                                | Firm responsibility (prime or sub?) |                                                                                       | Subconsultant |
| Project number                          | GU20-003                                                                               | Owner's name | Advanced Engineering and Environmental Services, Inc. (Prime Contractor)<br>U.S. Bureau of Reclamation (Owner) |                                     |                                                                                       |               |
| Project location                        | Wasatch County, Utah                                                                   |              |                                                                                                                | Owner's Project Manager             | Sam Fankhauser, PE                                                                    |               |
| Owner's address, phone, email           | 3400 N. Ashton Blvd, Suite 105, Lehi, UT 84043, 801.331.8489, Sam.Fankhauser@AE2S.com  |              |                                                                                                                |                                     |                                                                                       |               |
| Services commenced by this firm (mm/yy) |                                                                                        | 03/20        | Total consultant contract cost (\$1,000's)                                                                     |                                     |                                                                                       | Unknown       |
| Services completed by this firm (mm/yy) |                                                                                        | 07/20        | Cost of consultant services provided by this firm (\$1,000's)                                                  |                                     |                                                                                       | \$237,600.00  |

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

ASI MARINE LP provided hydrographic surveying and underwater inspection services associated with the Deer Creek Dam and Reservoir using remote inspection technologies. The purpose of the work was to conduct multibeam bathymetry, side-scan sonar, and sub-bottom profiling surveys in the reservoir to determine its existing condition and conduct a remotely operated vehicle (ROV) inspection of the intake crib, intake tunnel, and guard gate.

**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 that identifies the major milestones, deliverables, tasks, etc., 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.**

**If the consultant has information it believes is proprietary, label it accordingly.**

**12-1342: DOTD Dam Safety – Project Approach (REV 0)**

With approximately 660 dams across the state that fall under State regulation, dam safety is a critical part of Louisiana's infrastructure. Like much of the infrastructure across the country many of the dams suffer from age, lack of necessary maintenance, increasing hazard, and lack of emergency preparedness. These factors place the public and adjacent properties at risk from potential failure. It is our understanding that the Louisiana Department of Transportation and Development (DOTD) Dam Safety Program is seeking engineering and technical support to inspect, review, and/or complete other engineering task orders under an IDIQ type contract for a to be determined number of these facilities primarily located in Districts 02, 03, 07, 08, 61, and 62. The following describes how we approach projects of this nature with the overall goal of supporting DOTD's primary mission to protect the public's health, safety, and welfare.

Task A: Planning, Prioritization, and Project Management

Task B: Document Review, Data Gap Identification, and Data Updates

Task C: Scheduling and Notifications

Task D: Dam Safety Inspections, Reporting, and Other Engineering Tasks

As this work will take the expertise of many different disciplines, we have assembled a team made up of water resources engineers, structural engineers, civil engineers, geotechnical engineers, geographic information systems (GIS) technicians, submersible ROV experts, and land surveyors. With this team, we will be able to provide review of record and design documents, review engineering analysis, review spillway capacity and breach modeling/mapping, complete field surveys, coordinate with DOTD staff and Owners, and provide additional support services, as needed.

The Walter P Moore team understands the critical nature and unwavering dependability that dams represent to the State of Louisiana and the local communities that are impacted by these structures. We take special pride in performing dam safety analyses and inspections to help provide for and protect our communities, both physically and monetarily. Over the years, we have had the privilege to work on dams of all sizes (from small farm ponds to amenity ponds for residential neighborhoods to large water supply reservoirs) and hazard classifications and understand their varying complexities and ongoing needs.

This project will primarily focus on the dam safety inspections for the dam inventory of the State of Louisiana focused on Districts 02, 03, 07, 08, 61, and 62. We understand that there is a limited budget for this work and if given the opportunity to perform these services we want to initially focus on Task A with the DOTD Team to make sure the project team is aligned on project goals and utilizes the project funding in a manner that both assists the DOTD Team and the people of Louisiana. Our approach to supporting DOTD's Dam Safety Program with professional services for each task order identified is generally described below:

#### **Task A: Planning, Prioritization, and Program Management**

This project has a limited budget and requires an initial detailed planning and prioritization task to ensure that the project team is utilizing the budget in an efficient manner and supporting the DOTD and the people of Louisiana to the highest level. Based on the information provided in the RFQ, we understand the recurring inspection schedule per dam hazard classification for the State of Louisiana is as follows:

- High Hazard (Approximately 38 Structures) – Annually
- Significant Hazard (Approximately 56 Structures) – Every 3 Years
- Low Hazard – Every 5 Years

We will need to review the Louisiana Dam Inventory Database, align this database with the US Army Corps of Engineers (USACE) National Database (if different), and assemble a list of dams that require inspection over the contract duration (5 years). Based on this list, we will work closely with the DOTD Team to prioritize certain structures based on size, hazard classification, known deficiencies, and location. The overall goal of this planning and prioritization effort will be to assemble a high-level inspection schedule and budget to ensure the efficient and focused use of the project budget. Based on the number of structures, it is highly likely that the majority of the low hazard structures will need to be inspected by DOTD Dam Safety Staff. Additionally, special effort will be focused on grouping dams so that multiple inspections can take place during a given task order to limit travel expenses.

Clear and consistent communication will be the key to the program management of this contract on the consultant side. We strive to build a trusted relationship with our clients and provide an extraordinary client experience. To ensure that this is possible our assigned program manager will initially have weekly check-ins with the DOTD Team to verify we are aligned on the project schedule and budget based on the planning and prioritization efforts completed during Task A. Additionally, our program manager will work with the DOTD to ensure that invoicing runs smoothly, a Quality Assurance/Quality Control (QA/QC) plan is provided and followed, and be the main point of contact for the contract duration. Under the program manager there may be project managers for different aspects of the project depending on the number of inspections taking place at a given time and the size of the dams being inspected.

#### **Task B: Document Review, Data Gap Identification, and Data Updates**

To begin the document review effort, the Walter P Moore team will collect all available data from DOTD. Once collected, we will review the available data first, categorize it, and create a template from which all data can be organized in a uniform manner. This template will begin with data used on the USACE National Inventory of Dams and will be provided to DOTD for review and modification prior to use. As data is entered into the template format, duplicate data will be reconciled and removed. The template will also include a timeline that can be used for each dam with chronological information related to the original construction of the dam, any modifications to the dam or outlet works, dates of inspections, dates of any incidents at the dam, and dates of historical updates to the Emergency Action Plan (EAP) and Operation and Maintenance (O&M) Plan. Once

this task is complete, the template will be coupled with GIS data for ready access by DOTD and for an update to Louisiana's dam inventory. Walter P Moore's GIS specialists are well-versed in the use of ESRI products and tools (such as ArcGIS Online and ArcGIS Pro). They have been using ESRI software since the inception of GIS, applying it in areas of floodplain management and dam safety to create graphical databases for flood information, gather radar-based rainfall data from observed storm events for use in forensic analyses, develop StoryMaps for various projects, and provide visuals for floodplain maps and breach inundation.

By working with DOTD to create a template of data that can be used to catalog and maintain information on each dam, it will quickly become obvious where data gaps exist. Walter P Moore will then develop categories of missing data, construct a priority list of data that may be missing, and coordinate with DOTD to gain agreement on priorities for additional data collection.

Additionally, other data may need to be updated at the completion of dam inspections (i.e. providing the new reports to Owner's and updating report dates in databases). Walter P Moore will update this information at the end of a given task order.

### **Task C: Scheduling and Notifications**

There will need to be a diligent effort in coordinating the inspection work with the DOTD and the dam Owner's since not all of the dams are located on state property. Walter P Moore will work closely with the DOTD Team to identify the dams that will require additional research to identify the Owners and their contact information and ensure that said Owners are contacted early and permission is given to enter their property to conduct any inspection work. In the past, Walter P Moore has also offered to allow the Owner's to be present for the inspection if they are interested. That being said, the results or findings from inspections are not typically discussed in the field as the field collected data needs to be reviewed and the findings developed as part of the reporting process.

If given the opportunity to work with DOTD on this contract, multiple schedules will be required based on the number and types of task orders. A general schedule for completing a typical single dam inspection is provided below for reference:

Task A: 1-2 weeks

Task B: 1-2 weeks

Task C: 1 week

Task D: 2-3 weeks

### **Task D: Dam Safety Inspections, Reporting, and Other Engineering Tasks**

For a given task order and depending on a given dam's size and construction our inspection team(s) may include services related to water resources, structural engineering, civil engineering, and geotechnical engineering. Where required, we will also add land survey for identifying minimum top of dam elevations, top of dam profiles, side slopes, spillway crest and outfall elevations, dam height, survey of downstream receiving channel/floodplain sections, survey of downstream habitable structures to determine risk of inundation in the event of a breach, and/or bathymetry for reservoir volume estimates. Additionally, underwater ROV services may be recommended for some structures based on their size, construction, and history.

The typical dam safety inspection approach includes the following:

- Assembling a schedule and health and safety plan (if needed).

- Reviewing the facility record documents provided by the DOTD for the purpose of comparing as-built drawings to current conditions in the field.
- Conducting the inspection to visually review the facility including discussions with onsite personal and/or Owner's to understand changes in condition over time.
- Conducting analysis and review of the findings from the inspection, if needed.
- Compiling the project team's findings from the inspection and producing a facility condition assessment report in a format acceptable to the DOTD.
- Presenting these findings to the DOTD.

One of the key GIS practices at Walter P Moore, which functions across disciplines, has been the use of the ESRI Field Maps app. Using dropdown options, notes, and photos to document field reconnaissance efforts, the customization of this app by our team has streamlined data collection and reporting by allowing staff to upload information in real-time to the ArcGIS Online server using their phone while in the field. Once the Field Maps app is online, DOTD can track field progress simply by logging into the map. This approach can be easily modified to utilize DOTD's electronic collection system.

After field surveys are completed, the Walter P Moore team will analyze the findings for each dam and determine if remaining data gaps can be filled through other means (such as LiDAR data available from the "Atlas Louisiana GIS" website to establish additional information related to minimum top-of-dam elevations, or open records requests for locally owned public dams, etc.). Data will also be analyzed to determine which dams may require updates to EAPs or O&M Plans.

The Walter P Moore team can provide additional services to DOTD in the form of breach analyses if it is determined that breach inundation mapping is a critical piece of missing data or needs updating due to a hazard classification change for a particular dam that needs to be immediately addressed. Walter P Moore's water resources engineers have become proficient in the use of both HEC-HMS and HEC-RAS 2D for breach analysis, comparing peak breach flows to 10 empirical breach flow equations to check for reasonableness. HEC-HMS has been used to identify breach flows and then to route them downstream using traditional reach routing techniques, with stage-discharge rating curves applied in HEC-HMS to determine potential water levels from the breach. This information can then be fed into GIS to create a breach inundation map. HEC-RAS 2D has been used in areas where more detail related to elevations and inundation extents are required. The breach can be performed either in HEC-RAS 2D or in HEC-HMS with the breach flow being routed through the computational mesh of HEC-RAS 2D. Using the RAS Mapper component of HEC-RAS, inundation data can be displayed on a screen immediately after the breach analysis is performed, with additional time-varied output data that can be quickly generated (such as water surface elevations, depth, velocity, depth times velocity as a measure of flood risk, and arrival times of the flood wave).

In addition to the services discussed above, Walter P Moore has the capability to create 3D digital twins of structures using drones and photogrammetry, an additional service that can be provided to DOTD, if desired. The 3D digital twin can be coupled with in-house AI analysis to help identify reinforced concrete distress, allowing for quicker assessment of existing structural condition. This use of the technology over time allows for the development of a structural history that can assist in monitoring and maintenance of any changes in a structure's condition. This work is completed by engineers and reviewed by engineers as it is a tool to assist with assessments and not a replacement to traditional engineering assessment approaches.

**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)<br><b>ALL FIRMS</b> MUST BE<br>REPRESENTED IN THIS<br>TABLE | Discipline(s) *                          | Contract Number and<br>State Project Number | Project Name        | Remaining<br>Unpaid<br>Balance** |
|---------------------------------------------------------------------|------------------------------------------|---------------------------------------------|---------------------|----------------------------------|
| WALTER P.<br>MOORE AND<br>ASSOCIATES,<br>INC.                       | Other (Dam Safety<br>Engineering)        | N/A                                         | N/A                 | N/A                              |
| WALTER P.<br>MOORE AND<br>ASSOCIATES,<br>INC.                       | Geotech                                  | N/A                                         | N/A                 | N/A                              |
| WALTER P.<br>MOORE AND<br>ASSOCIATES,<br>INC.                       | Environmental                            | N/A                                         | N/A                 | N/A                              |
| FUGRO USA<br>LAND, INC.                                             | Geotech                                  | 4400017033/H.005121.5                       | LA1/LA415 Connector | \$500,000                        |
| VRX INC.                                                            | Environmental                            | N/A                                         | N/A                 | N/A                              |
| SURVEYING AND<br>MAPPING, LLC                                       | Survey                                   | N/A                                         | N/A                 | N/A                              |
| SURVEYING AND<br>MAPPING, LLC                                       | Right-of-Way                             | N/A                                         | N/A                 | N/A                              |
| ASI MARINE LP                                                       | Other (Remote<br>Inspection<br>Services) | N/A                                         | N/A                 | N/A                              |

|               |                                                  |     |     |     |
|---------------|--------------------------------------------------|-----|-----|-----|
| ASI MARINE LP | Other<br>(Hydrographic<br>Surveying<br>Services) | N/A | N/A | N/A |
|---------------|--------------------------------------------------|-----|-----|-----|

(Add rows as needed)

DO NOT SUM

**\* 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.**

**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.**

**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><br>(Name must match <u>exactly</u> as registered with Louisiana's Secretary of State (SOS): <u>including punctuation, include screenshot(s) from SOS at the end of Section 20</u> ) | <b>Address</b>                                                         | <b>Point of Contact and email address</b>                                                                        | <b>Phone Number</b> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|---------------------|
| FUGRO USA LAND, INC.                                                                                                                                                                                 | 13501 Katy Freeway, Suite 1050, Houston, TX 77079                      | Anwar Akhtar, PE /<br>aakhtar@fugro.com                                                                          | 713.369.5515        |
| VRX INC.                                                                                                                                                                                             | 2500 Dallas Parkway, Suite 450<br>Plano, TX 75093                      | Nawal (Noelle) Ibrahim, PE /<br>noelle@vrxglobal.com                                                             | 972.309.9700        |
| SURVEYING AND MAPPING, LLC                                                                                                                                                                           | 4801 Southwest Pkwy, Building<br>2, Suite 100, Austin, TX 78735        | Donald Zdancewicz /<br>Donald.zdancewicz@sam.biz                                                                 | 512.895.5054        |
| ASI MARINE LP                                                                                                                                                                                        | 3176 Abbott Road, Building A,<br>Suite 100A, Orchard Park, NY<br>14127 | Clinton E. Johnson, PLS – Vice<br>President / <a href="mailto:cjohnson@asi-group.com">cjohnson@asi-group.com</a> | 716.667.3507        |

(Add rows as needed)

**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.**