DOTD FORM: 24-102

(Revised March 1, 2022)

PROPOSAL TO PROVIDE CONSULTANT SERVICES

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

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

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

1. Contract title as shown in the advertisement	IDIQ Contracts for Professional Subsurface Utility Engineering Services Statewide
2. Contract number(s) as shown in the advertisement	4400025510, 4400025511, and 4400025512
3. State Project Number(s), if shown in the advertisement	N/A
4. Prime consultant name (as registered with the Louisiana Secretary of State where such registration is required by law)	T2 UES, Inc. d/b/a T2 Utility Engineers
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	VF.0000831 EF.0006733
6. Prime consultant mailing address	10212 Patriot Drive, Baton Rouge, LA 70816
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	10212 Patriot Drive, Baton Rouge, LA 70816
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Suzanne McCain, PE, LSI (LA #25169) Branch Manager (Baton Rouge) 225.900.8683| suzanne.mccain@t2ue.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Daryl Thie, PLS (LA #5023) Vice President (Southern US) 386.755.2626 | daryl.thie@t2ue.com

10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.	Signature (shall be the same person as #9):  Date: 11/17/2022
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.	There is no DBE goal for this advertisement. Firm(s): Firm(s)' %:

12. Past Performance Evaluation Discipline Table:

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

The only past performance evaluation disciplines to be used are: Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other. The crosswalk from the old categories to the new categories can be found at the link below:
http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/CCS/General%20Information/CPPR%20Crosswalk%20to%20New%20Evaluation%20Disciplines.pdf. (same link as in the advertisement)

Sub-consultants are not allowed to be used for this proposal. Fill in the table by identifying only those evaluation disciplines consistent with the approach and methodology proposed in Section 18 of the DOTD Form 24-102*, and the percentage of work in each past performance evaluation discipline to be performed. The percentage estimated for each evaluation discipline is for evaluation purposes only and will not control the actual performance or payment of the work. (Add rows as needed)	
Evaluation Disciplines(s)	% of Overall Contract
Other (SUE)	100%

*The past performance evaluation disciplines are: Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other.

13. Firm Size:

For all firms that are part of this team, indicate the approximate number of personnel to be committed to this contract, by DOTD Job Classification and the total number of personnel within the firm that could provide support, if needed. If a specialized job classification is required and not included on the DOTD job classification list, specify "Other (xxxx)" and include the classification title inside the parentheses. The DOTD Job Classification(s) to be used can be found at the following link: http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/CCS/Job_Qualification/Job%20Classifications%20with%20Descriptions.pdf

Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
T2 UES, Inc. d/b/a T2 Utility Engineers	Engineer	1	4
	Surveyor	1	1
	Technician	3	7
	Senior Technician	1	3

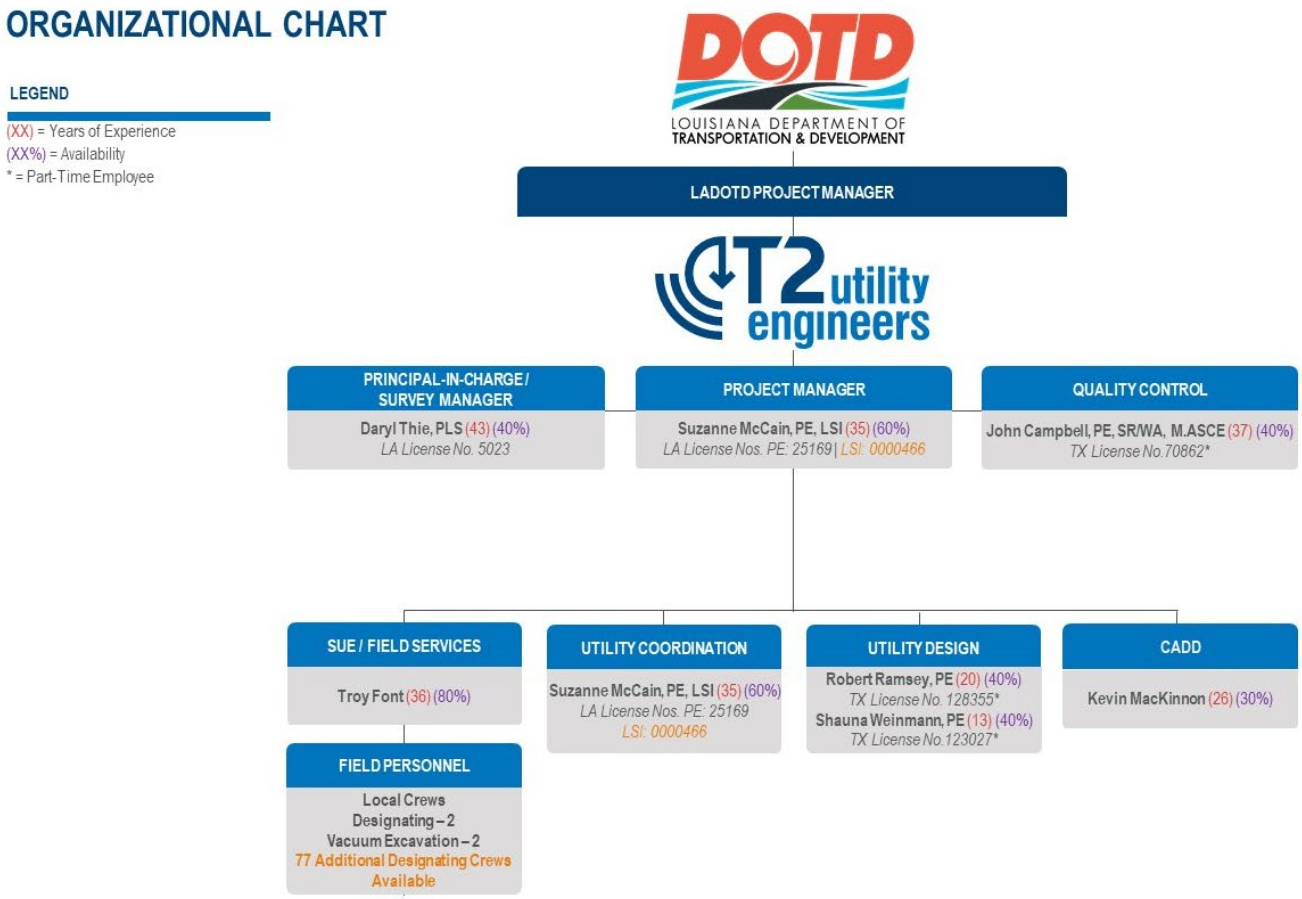
(Add rows as needed)

14. Organizational Chart:

Provide an organizational chart showing ALL **relevant** prime consultant and sub-consultant (if applicable) personnel assigned to the contract, area of project responsibility for each, and reporting lines for the purposes of this contract. An individual's role does not necessarily have to match their DOTD job classification identified in Section 13.

If applicable, identify all personnel performing traffic engineering analysis and/or QC of traffic engineering analysis by placing an asterisk next to their name. Include the certificates required by the Traffic Engineering Process and Report Training Requirements article of the Advertisement in Section 20.

It is acceptable to use an 11x17 format for Section 14.



15. Minimum Personnel Requirements:

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

MPR No. Do not insert wording from ad	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license / certification & number	State of license	License / certification expiration date
1	Suzanne McCain, PE, LSI	T2 UES, Inc. d/b/a T2 Utility Engineers	PE: 25169 LSI: 0000466	LA LA	9/30/2023 9/30/2023
2	Daryl Thie, PLS	T2 UES, Inc. d/b/a T2 Utility Engineers	PLS: 5023	LA	3/31/2024
3	Daryl Thie, PLS	T2 UES, Inc. d/b/a T2 Utility Engineers	PLS: 5023	LA	3/31/2024
etc.					

(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 should be limited to 2 pages per person. Any certificates required by the advertisement are to be placed in Section 20.

(Add rows as needed)

<table>
<tr><td colspan="6">Firm employed by T2 UES, Inc. d/b/a T2 Utility Engineers (T2ue)</td></tr>
<tr><td>Name</td><td colspan="3">Suzanne McCain, PE, LSI</td><td colspan="2">Years of relevant experience with this employer</td><td>5</td></tr>
<tr><td>Title</td><td colspan="3">Branch Manager</td><td colspan="2">Years of relevant experience with other employer(s)</td><td>30</td></tr>
<tr><td colspan="3">Degree(s) / Years / Specialization</td><td colspan="4">BS / Civil Engineering / 1987 / Louisiana State University</td></tr>
<tr><td colspan="3">Active registration number / state / expiration date</td><td colspan="4">PE: 25169 / LA / 9/30/2023 | LSI: 0000466 / LA / 9/30/2023</td></tr>
<tr><td>Year registered</td><td>1993</td><td>Discipline</td><td colspan="4">Professional Engineer</td></tr>
<tr><td colspan="3">Contract role(s) / brief description of responsibilities</td><td colspan="4">Project Management/Utility Coordination</td></tr>
<tr><td colspan="7">ATSSA Flagger (exp. 04/09/2022) – Scheduled for refresher training on 11/18/2022
ATSSA Traffic Control Technician (exp. 12/07/2022) – Scheduled for refresher training on 11/30/2022
ATSSA Traffic Control Supervisor (exp. 12/07/2022) – Scheduled for refresher training on 11/30/2022

Mrs. McCain has extensive experience working with DOTD on a variety of roadway and enhancement projects. Using this foundation, Mrs. McCain provides T2ue clients with insight and valuable feedback on projects. Before joining T2ue, Mrs. McCain was a Project Manager for multiple major design firms and worked for DOTD for 13 years. Mrs. McCain was responsible for the preparation and quality control of roadway plans. Currently, for T2ue, Mrs. McCain serves as a Project Manager on numerous projects for public and private clients involving the surveying of underground utilities and coordination with utility companies and owners to manage the relocation of utilities in conflict with the proposed design. Suzanne and necessary team members will be responsible for preparing scope and budgets for task orders.</td></tr>
<tr><td>Experience dates (mm/yy–mm/yy)</td><td colspan="6">Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).</td></tr>
<tr><td>10/2018 – 8/2019</td><td colspan="6">H.002320: Sullivan Road (Wax – Hooper), Baton Rouge, LA – Project Manager. T2ue is providing utility coordination services during construction to minimize conflicts and coordinate relocations and project changes with DOTD. Mrs. McCain is serving as the Project Manager and is overseeing the completion of the as-built surveying services to depict the newly relocated utilities. She also participated in monthly utility coordination meetings with DOTD and affected utility providers to discuss any project issues.</td></tr>
</table>

01/2020 – Ongoing	**H.004791: Belle Chasse Bridge and Tunnel Replacement, Plaquemines Parish, LA – Project Manager.** T2ue is providing utility coordination services during the design and construction of the Belle Chasse Bridge and Tunnel Replacement project. Mrs. McCain, as Project Manager for T2ue, is in close coordination with the contractor and utility providers to monitor the conflict matrix as the design progresses. T2ue has prepared a KMZ file to review utility locations in respect to edges of roadway, proposed drainage structures and temporary pavement widening for construction operations. Mrs. McCain along with design and construction personnel use this KMZ file as a reference when in the field and to coordinate with existing records held by the utility providers. Utility providers are currently preparing engineering drawings for service relocations. Upon review by the Design Build team, utility agreements will be entered into and construction will commence. T2ue will closely monitor the schedule of each utility provider to insure that all services are relocated in time for project construction to begin.
08/2019 – Ongoing (T2ue 98% Complete)	**H.011309: MacArthur Interchange Completion Phase II, Jefferson Parish, LA – Project Manager.** The project is currently in the final plan phase of design. As such, T2ue was charged with finalizing the SUE drawings and surveying the test holes (CI/ASCE 38-02 Quality Level A) located in the preliminary plan phase. In the previous phase, T2ue prepared the SUE drawings (CI/ASCE 38-02 Quality Level B) and the preliminary conflict matrix. In coordination with the design drawings and the conflict matrix, test hole locations were determined and completed. Mrs. McCain supervised the survey of the test hole locations and the completion of the SUE drawings. She is also assisting in utility coordination services.
10/2018 – Ongoing	**H.004273: I-49 Lafayette Connector, Lafayette Parish, LA – Engineer in Charge.** T2ue has provided records research (CI/ASCE 38-02 Quality Level D), designating (CI/ASCE 38-02 Quality Level B) and locating (CI/ASCE 38-02 Quality Level A) subsurface utility engineering services throughout the project corridor. Mrs. McCain is supervising the compilation of the updated QLB mapping and the continual monitoring of utility permits being granted in the project corridor.
10/2018 – 06/2020	**H.004100: I-10: LA 415 to Essen Lane to I-10 and I-12, West and East Baton Rouge Parishes, LA – Engineer in Charge.** T2ue provided records research (CI/ASCE 38-02 Quality Level D) and designating (CI/ASCE 38-02 Quality Level B) SUE throughout the 10-mile project corridor. The team developed a comprehensive map based on record collection and discussions with utility representatives. The design team uses the preliminary utility map for reference to determine larger systems to avoid during preliminary design. While the Quality Level D map was being completed, T2ue began its field investigation of Quality Level B designating. This immense task required major coordination efforts to schedule crews for T2ue and the survey crews on the team to ensure utility markings were collected timely and correctly. Mrs. McCain supervised the

Firm employed by T2 UES, Inc. d/b/a T2 Utility Engineers (T2ue)					
Name	Daryl Thie, PLS		Years of relevant experience with this employer	13	
Title	Vice President, Southern US/Survey Practice Lead		Years of relevant experience with other employer(s)	30	
Degree(s) / Years / Specialization			BS / Land Surveying / 1981 / University of Florida		
Active registration number / state / expiration date			5023 / LA / 3/31/2024		
Year registered	2009	Discipline	Professional Land Surveyor		
Contract role(s) / brief description of responsibilities			Principal-In-Charge / Survey Manager		

ATSSA Flagger (exp. 07/24/2017)
ATSSA Traffic Control Technician (exp. 07/24/2013) – Training can be updated as needed.
ATSSA Traffic Control Supervisor (exp. 07/26/2013) – Training can be updated as needed.
MOTTC FDOT Advanced Maintenance of Traffic (exp. 08/04/2021) - Training can be updated as needed.

As Vice President, Mr. Thie ensures that adequate resources are available for T2ue clients in Louisiana. Mr. Thie takes the lead role in customizing QA/QC plans for specific projects and clients. Mr. Thie oversees the operations of T2ue's surveying and mapping,

subsurface utility engineering, and utility coordination services provided throughout Louisiana. He is also the Principal-In-Charge on assigned projects throughout the Southeastern United States.

Throughout his career, Mr. Thie has managed hundreds of projects relating to all aspects of the surveying profession. This experience has given Mr. Thie the ability to oversee projects from conception to completion. He anticipates challenges before they arise and finds creative and innovative solutions, ensuring projects are delivered on time or ahead of schedule and in a cost-efficient manner.

Mr. Thie's extensive experience throughout the Southeastern United States includes, but not limited to: boundary, GLO retracement, mean high water, right-of-way, horizontal and vertical control, transportation design, subsurface utility, terrestrial LiDAR, and hydrographic surveys. He has completed services for federal, state, and local government agencies including LADOTD, Florida Department of Transportation (FDOT), Alabama Department of Transportation (ALDOT), Mississippi Department of Transportation (MDOT), Florida Department of Environmental Protection (FDEP), United States Army Corp of Engineers Mobile District, and the St. Johns River Water Management District, to name a few.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
10/2012 - 04/2013	**H.010560.5: Essen Lane Widening (Route LA 3064), Perkins Road to I-10b, East Baton Rouge Parish, LA – Surveyor.** T2ue provided designating (CI/ASCE 38-02 Quality Level B) and locating (CI/ASCE 38-02 Quality Level A) subsurface utility engineering services to map the underground utilities within the project limits. The corridor is one of the most congested roads in Baton Rouge with utilities servicing the many businesses and medical facilities. It was paramount that T2ue precisely inventory all utilities in order for the designer to fully understand the available space for new construction and the impacts they may have. T2ue also provided utility coordination services to identify and resolve utility/design conflicts. Utility coordination was complicated due to the need to minimize right of way acquisition.
04/2009-10/2009	**I-12 Widening (O'Neal Interchange to Walker), Louisiana Department of Transportation and Development, East Baton Rouge Parish, LA – Surveyor.** T2ue provided critical subsurface utility engineering information for the design-build construction of a new bridge/overpass at the intersection of I-12 and O'Neal Lane in East Baton Rouge Parish.
07/2015 – Ongoing	**I-49 Lafayette Connector, Lafayette Parish, LA – Surveyor.** T2ue provided records research (CI/ASCE 38-02 Quality Level D), designating (CI/ASCE 38-02 Quality Level B) and locating (CI/ASCE 38-02 Quality Level A) subsurface utility engineering throughout the 7-mile project corridor. T2ue was given multiple subsurface utility engineering tasks in the process of aiding the design team. T2ue developed a comprehensive map based

	on record collection and discussions with utility representatives. From this, the design team could have a preliminary utility map to determine larger systems to avoid during preliminary design. Once the Quality Level D map was complete, T2ue began its field investigation of Quality Level B designating. This immense task required major coordination efforts to schedule crews for Tue2 and the multiple survey crews on the team to ensure that the utility markings were collected timely and correctly. T2ue was able to bring in resources from other regions to increase the productivity of the local crews and meet project milestones. The mapping data from both survey firms was compiled into an organized central location in order to properly review. This review is a part of T2ue's stringent Quality Control process that goes into projects large and small and overseen by experienced Subsurface Utility Engineering professionals. After compiling the Quality Level B map, T2ue began its Quality Level A portion of the project to establish elevations on critical utility systems as well as unknown utilities found in the Quality Level B mapping. T2ue's overall efforts established an extensive Quality Level B map with Quality Level A information throughout the project corridor in combination with the Utility Coordination to keep utility owners aware of the mapping progress.
[redacted]	[redacted]

Firm employed by T2 UES, Inc. d/b/a T2 Utility Engineers (T2ue)					
Name	Robert Ramsey, PE, LEED AP		Years of relevant experience with this employer		7
Title	Vice President, Western US		Years of relevant experience with other employer(s)		13
Degree(s) / Years / Specialization			BS / Civil Engineering / 2003 / University of Arizona		
Active registration number / state / expiration date			PE: TBD / LA / 11/2023 (Pending) PE: 128355 / TX / 9/30/2023 PE: 47526 / AZ / 3/31/2023	PE: 10069774-2202 / UT / 3/31/2023 PE: 23234 / NM / 12/31/2022 PE: 0052872 / CO / 10/31/2023	
Year registered	2008	Discipline	Professional Engineer		
Contract role(s) / brief description of responsibilities			Utility Design		

Mr. Ramsey is a Vice President at T2ue responsible for directing Utility Engineering and Surveying (UES) services in the West. He is a registered Professional Engineer in five states and oversees Subsurface Utility Engineering (SUE) investigations for compliance with applicable laws and standard of care for utility engineering projects. Robert's expertise includes providing SUE, utility design, survey, utility coordination and project management services for utility infrastructure projects throughout the West.

Mr. Ramsey offers 20 years of utilities engineering and mapping experience, including 8 years of direct experience conducting and managing SUE projects based on the American Society of Civil Engineers (ASCE) 38 Standard. He provides professional engineering guidance, quality assurance/quality control (QA/QC) and leads training sessions on how to successfully implement ASCE 38 into the design process for consultants and project owners.

Mr. Ramsey directs SUE contracts for multiple municipalities, Departments of Transportation (ADOT, CDOT, NDOT, NMDOT, TXDOT and UDOT) and 10 agency contracts in the West. He has completed more than 400 ASCE 38 mapping projects with over 5 million linear feet of Quality Level B mapping and more than 2,000 Quality Level A test holes within the last three years.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
05/2017 – Present	**Arizona Department of Transportation (ADOT), Contract 2017-004, On-Call Subsurface Utility Engineering Services (SUE), Region 1, AZ – Lead Professional Engineer and Principal in Charge.** An on-call contract that included 23 separate projects and 44 separate task orders, completing Phase 1 and Phase 2 SUE work for ADOT since 2017. T2ue staff investigated the projects in accordance to the ASCE 38 standard, effectually depicted over 1.8 million linear feet of utilities (ASCE Quality Level D, C and B) under this contract. The work also included completing 287 Quality Level A test holes for precise locations of critical conflicts for Prime Design firms.

Firm employed by T2 UES, Inc. d/b/a T2 Utility Engineers (T2ue)				
Name	John Campbell, PE, SR/WA, M.ASCE		Years of relevant experience with this employer	3
Title	Senior Project Manager		Years of relevant experience with other employer(s)	34
Degree(s) / Years / Specialization			MBA / Finance / 1992 / University of Texas at Dallas BSCE / Construction Management / 1984/ Texas A&M University Mechanical Engineering / 1978-1982 / US Air Force Academy	
Active registration number / state / expiration date			PE: TBD / LA / 11/2023 (Pending) PE: 70862 / TX / 9/30/2023 IR/WA, Senior Right of Way (SR/WA) Professional, #5520 IR/WA, CLIMB Certified Course Instructor	
Year registered	1991	Discipline	Professional Engineer / Utility Engineering	
Contract role(s) / brief description of responsibilities			Quality Control	

Mr. Campbell is a Texas registered PE with 37 years of experience in heavy and utility construction, municipal utility design, SUE, utility coordination and utility accommodation in transportation project development and delivery. His experience includes 27 years with TxDOT where he served as Utility Section Manager for the Dallas District, as the Statewide Utility Engineer and 17 years as the Director ofthe Right of Way (ROW) Division. He has extensive experience in ROW acquisition and mapping, UC and utility accommodation policy and program management. John leads UES operations for T2ue in Texas providing organizational management, business development and field operations management for staff and equipment.

Mr. Campbell has held multiple leadership roles in professional associations and actively promotes the practice of UE. He serves on various committees and has received several awards and recognitions. John was appointed to the ASCE, Utility Engineering and Surveying Institute (UESI) Board of Governors in 2018, elected as the 2020 UESI President-Elect and served as the 2021 President of UESI. He is a founding member of the Utility Risk Management Division (URMD) of UESI and served a term as URMD Chairman in 2017. John served as a member of both ASCE Standard Committees responsible for the recent publication of ASCE/CI/UESI 38-22 “Standard Guideline for Investigating and Documenting Existing Utilities”, as well as the new ASCE/CI/UESI 75-22 “Standard Guideline for Recording and Exchanging Utility Infrastructure Data”.

Mr. Campbell is pre-certified with TxDOT in work categories 1.1.1 Policy Planning, 1.4.1 Land Planning/Engineering, 17.5.1 Civil Engineering, 18.2.1 SUE, 18.3.1 Utility Adjustment Coordination, 18.4.1 Utility Engineering, 18.5.1 Utility Construction Management & Verification and 18.6.1 Utility Management and Coordination Oversight.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).

08/2019 – 12/2021	**TxDOT, IH-35 Capital Express, SUE Investigation, Austin, Travis County, TX – Professional Engineer/Project Manager.** This project includes the detailed design of the expansion and reconstruction of a segment of IH-35 through Austin referred to as the South 10 portion of "The Capital Expressway". T2ue performed a SUE investigation under a Work Authorization pursuant to Engineering Contract No. 36-6IDP5196 with TxDOT, Austin District effective 02/28/2017. The scope of the investigation included approximately 287,000 LF of utility designating (QLD, QLC, QLB) and air-vacuum excavation of 60 (QLA) test holes with drilled pavement cores. Native material was returned and compacted to backfill test hole excavations and pavement cores were cemented or replaced to match existing pavement. T2ue performed SUE services and successfully completed a comprehensive utility investigation in accordance with the ASCE 38 standard. T2ue delivered signed and sealed utility plans and Test Hole Data Reports.

Firm employed by T2 UES, Inc. d/b/a T2 Utility Engineers (T2ue)					
Name	Shauna Weinmann, PE		Years of relevant experience with this employer		1.5
Title	Utility Engineering Senior Project Manager		Years of relevant experience with other employer(s)		12
Degree(s) / Years / Specialization			BS / Civil Engineering / 2010 / California State University Chico		
Active registration number / state / expiration date			PE: TBD / LA / 11/2023 (Pending) PE: 123027 / TX / 3/31/2023 PE: 59804 / AZ / 6/30/2024 PE: 84744 / CA / 3/31/2024	PE: 0058871 / CO / 10/31/2023 PE: 19245 / ID / 12/31/2023 PE: 21036004 / WA / 12/30/2022	
Year registered	2015 - AZ	Discipline	Utility Engineering and Survey (UES)		
Contract role(s) / brief description of responsibilities			Utility Design		

Ms. Weinmann is a registered PE in six states and has over 12 years of experience designing and managing various utility engineering projects for municipalities in the West. She specializes in SUE, utility coordination, and utility relocation with regard to public improvements including gas distribution, domestic water and wastewater, and fiber conduit. Shauna has vast experience with using ASCE 38 Standards (Quality Levels D, C, B and A) for various municipalities and has an excellent understanding of the recently released ASCE 38-22 Standard.

Ms. Weinmann collaborates with stakeholders to achieve business objectives and streamline engineering processes, enhancing productivity and implementing advanced technology solutions. Shauna has managed subsurface utility engineering (SUE) services for utility engineering projects that adhere to the ASCE 38 Standards (Quality Levels D, C, B and A) and the laws set forth in the 2018 Colorado Revised Statute, Title 9, Article 1.5 for various municipalities in Colorado.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
2/2021-7/2021	**CDOT R4, Medronic Facility, CO – SUE Project Engineer**. Provided fiber-optic utility relocation design, permitting, signed/sealed plans and specifications, designation, records research and test hole services.
7/2020-12/2020	**Michael Baker Intl, Naval Reactor Facility (NRF), Idaho National Laboratory, ID* – Civil Engineer II.** Designed utilities to connect to a new NRF building facility outside of current security gate facility to tie into the existing utility systems. Utility systems included boring and casing for all utility systems to tie into existing systems under the high security fence. Utility design included domestic water, wastewater, lift station design, and conduit for fiber. Engineer design included plan and profile design, specifications, estimate, and water and wastewater quantities, analysis, and reports in accordance with Department of Environmental Quality (DEQ).
1/2019-5/2020	**Michael Baker Intl, Bangerter Highway and 12600 South Design-Build Project, UT* – Civil Engineer II.** Designed and drafted relocation of two culinary (12" and 18") and one 12" irrigation waterline relocation at 12600 South and Bangerter Highway design-build project in Utah. Design included plan and profile design, valve layout and thrust collar details.
9/2015-2/2016	**Binkley and Barfield, Collingsworth Grade Separation Houston, TX* – Project Manager.** Designed and reviewed 8,900' of 12" high pressure (HP) and 1,060' of 4" HP steel and abandonment of nearly 14,000' of pipe located within a superfund site and in conflict with HCTRA Toll Road Authority work. Reviewed drafted sheets with full plan and profile and engineered the recommended route to avoid toll road authority work and contaminated streets.

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 should be limited to 2 pages per person. Any certificates required by the advertisement are to be placed in Section 20.

(Add rows as needed)

Firm employed by T2 UES, Inc. d/b/a T2 Utility Engineers (T2ue)					
Name	Troy Font		Years of relevant experience with this employer		3
Title	SUE Manager		Years of relevant experience with other employer(s)		17
Degree(s) / Years / Specialization					
Active registration number / state / expiration date					
Year registered		Discipline			
Contract role(s) / brief description of responsibilities			SUE / Field Services		
Supervise all field activities and perform QA/QC on project deliverables.					
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).				
08/2019 – Ongoing (T2ue 98% Complete)	**H.011309: MacArthur Interchange Completion Phase II, Jefferson Parish, LA – SUE Manager.** The project is currently in the final plan phase of design. As such, T2ue was charged with finalizing the SUE drawings and surveying the test holes (CI/ASCE 38-02 Quality Level A) located in the preliminary plan phase. In the previous phase, T2ue prepared the SUE drawings (CI/ASCE 38-02 Quality Level B) and the preliminary conflict matrix. In coordination with the design drawings and the conflict matrix, test hole locations were determined and completed. Mr. Font supervised the survey of the test hole locations and reviewed the SUE drawings.				
6/2019 – Ongoing	**H.004273: I-49 Lafayette Connector, Lafayette Parish, LA – SUE Manager.** T2ue has provided records research (CI/ASCE 38-02 Quality Level D), designating (CI/ASCE 38-02 Quality Level B) and locating (CI/ASCE 38-02 Quality Level A) subsurface utility engineering services throughout the project corridor. Mr. Font is supervising the compilation of the updated QLB mapping.				
6/2019 – 06/2020	**H.004100: I-10: LA 415 to Essen Lane to I-10 and I-12, West and East Baton Rouge Parishes, LA – Engineer in Charge.** T2ue provided records research (CI/ASCE 38-02 Quality Level D) and designating (CI/ASCE 38-02 Quality Level B) SUE throughout the 10-mile project corridor. The team developed a comprehensive map based on record collection and discussions with utility representatives. The design team uses the preliminary utility map for reference to determine larger systems to avoid during preliminary design. While				

	the Quality Level D map was being completed, T2ue began its field investigation of Quality Level B designating. This immense task required major coordination efforts to schedule crews for T2ue and the survey crews on the team to ensure utility markings were collected timely and correctly. Mr. Font supervised several field crews collecting data and reviewed the SUE drawings.

Firm employed by T2 UES, Inc. d/b/a T2 Utility Engineers (T2ue)					
Name	Kevin MacKinnon			Years of relevant experience with this employer	4 months
Title	CADD Technician			Years of relevant experience with other employer(s)	32
Degree(s) / Years / Specialization					
Active registration number / state / expiration date					
Year registered		Discipline			
Contract role(s) / brief description of responsibilities			CADD		
Bring in field data and develop plan sheets using Microstation.					

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
1/1990 – 1/2016	Microstation and Autocad at Muliple companies including (level 3) (Parsons Brinkerhoff) (Lucent) (Fluor Daniel) (Badger); (26 years 1 month) Companies listed above, job responsibilities included: Senior Designer, management and supervision of CAD personnel, create & documented standards & procedures. Implemented production monitoring via automation. Developed custom on screen interface for fast paced production on a Global (GPS) based platform. Utilized customization software Axiom, Descartes and others for standards verification and compliance with vendors. Helped create an ergonomic environment where respect & teamwork would play a major role in creating a cost effective, progressive & quality driven product. Other responsibilities include hardware and software integration and troubleshooting.
1/2022 – 8/2022	Ammeraal Beltech - CAD Design / Drafter using Microstation Connect and Autocad LT

17. Firm Experience:

Firm name	T2 UES, Inc. d/b/a T2 Utility Engineers		Past Performance Evaluation Discipline(s)*	Other (SUE)	
Project name	**I-49 Lafayette Connector**		Firm responsibility (prime or sub?)	Sub	
Project number	H.004273.5	Owner's name	Stantec		
Project location	Lafayette Parish, LA		Owner's Project Manager	Stephen Wallace	
Owner's address, phone, email	1200 Brickyard Lane, Suite 400, Baton Rouge, LA 70802 | 225-765-7400 Stephen.Wallace@Stantec.com				
Services commenced by this firm (mm/yy)	07/15	Total consultant contract cost ($1,000's)		$1,417	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)		$1,417	

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

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

T2ue provided records research (CI/ASCE 38-02 Quality Level D), designating (CI/ASCE 38-02 Quality Level B) and locating (CI/ASCE 38-02 Quality Level A) subsurface utility engineering throughout the 7-mile project corridor. T2ue was given multiple subsurface utility engineering tasks in the process of aiding the design team. T2ue developed a comprehensive map based on record collection and discussions with utility representatives. From this, the design team had a preliminary utility map to determine larger systems to avoid during preliminary design. Once the Quality Level D map was complete T2ue began its field investigation of Quality Level B designating. This immense task required major coordination efforts to schedule crews for T2ue and the multiple survey crews on the team to ensure that the utility markings were collected timely and correctly. T2ue was able to bring in resources from other regions to increase the productivity of the local crews and meet project milestones. The mapping data from both survey firms was compiled into an organized central location in order to properly review. This review is a part of T2ue's stringent Quality Control process that goes into projects large and small and overseen by experienced Subsurface Utility Engineering professionals. After compiling the Quality Level B map, T2ue began its Quality Level A portion of the project to establish elevations on critical utility systems as well as unknown utilities found in the Quality Level B mapping. T2ue's overall efforts established an extensive Quality Level B map with Quality Level A information throughout the project corridor in combination with the Utility Coordination to keep utility owners aware of the mapping progress.

Key Staff: Suzanne McCain, PE, LSI – Engineer in Charge; Daryl Thie, PLS – Surveyor; Troy Font – SUE Manager

Firm name	T2 UES, Inc. d/b/a T2 Utility Engineers		Past Performance Evaluation Discipline(s)*	Other (SUE)	
Project name	**I-10: LA 415 to Essen Lane to I-10 and I-12**		Firm responsibility (prime or sub?)	Sub	
Project number	H.004100.5	Owner's name	NTB Associates, Inc.		
Project location	West and East Baton Rouge Parishes, LA		Owner's Project Manager	Bryan Bunch, PLS	
Owner's address, phone, email	8643 Main Street, Zachary, LA 70791 | 225.751.4002 | bbunch@ntbainc.com				
Services commenced by this firm (mm/yy)	01/18	Total consultant contract cost ($1,000's)		$1,000	
Services completed by this firm (mm/yy)	06/20	Cost of consultant services provided by this firm ($1,000's)		$1,000	

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

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

T2ue provided records research (CI/ASCE 38-02 Quality Level D) and designating (CI/ASCE 38-02 Quality Level B) subsurface utility engineering throughout the 10-mile project corridor. T2ue worked with another SUE Firm on the team to develop a comprehensive map based on record collection and discussions with utility representatives. From this, the design team would have a preliminary utility map to use for reference to determine larger systems to avoid during preliminary design. While the Quality Level D map was being completed, T2ue began its field investigation of Quality Level B designating. This immense task required major coordination efforts to schedule crews for T2ue and the survey crews on the team to ensure that the utility markings were collected timely and correctly. T2ue was able to bring in resources from other regions to increase the productivity of the local crews and meet project milestones. The mapping data from the survey firm was compiled into an organized central location to properly review. This review is a part of T2ue's stringent Quality Control process that goes into projects large and small and overseen by experienced SUE professionals. T2ue's overall efforts established an extensive Quality Level B map within its area of responsibility.

Key Staff: Suzanne McCain, PE, LSI – Engineer in Charge | Troy Font – SUE Manager

Firm name	T2 UES, Inc. d/b/a T2 Utility Engineers		Past Performance Evaluation Discipline(s)*	Other (SUE)	
Project name	**Essen Lane Widening – Perkins Road to I-10**		Firm responsibility (prime or sub?)	Prime	
Project number	H.010560.5	Owner's name	LADOTD		
Project location	East Baton Rouge Parish, LA		Owner's Project Manager	JoAnn Kurts, PE	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802 | 225.379.1427 | joann.kurts@la.gov				
Services commenced by this firm (mm/yy)	10/12	Total consultant contract cost ($1,000's)		$521	
Services completed by this firm (mm/yy)	03/17	Cost of consultant services provided by this firm ($1,000's)		$518	

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

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

T2ue provided designating (CI/ASCE 38-02 Quality Level B) and locating (CI/ASCE 38-02 Quality Level A) subsurface utility engineering services to map the underground utilities within the project limits. T2ue also provided utility coordination services to identify and resolve utility/design conflicts. Utility coordination is complicated due to the need to minimize right of way acquisition. Our utility coordinator initiated the concept of joint use to install duct banks for several communication companies. By knowing where the existing utilities were located, we were able to design the installation of these duct banks and have the utility companies use them for their relocation in the minimal available right of way. We coordinated with Our Lady of the Lake Hospital to determine how to accommodate their planned multi-million dollar expansion and still have the road/right of way widened on their property. T2ue was permittted to access their construction zone to allow accurate mapping of utilities that assisted with utility relocation management during road and utility design. Our utility coordinator also worked with the many businesses along the project route as well as with KCS railroad to ensure no utility encroachments took place. Much effort was put into this project, but it has only lead to great success.

Key Staff: Daryl Thie, PLS – Surveyor

Firm name	T2 UES, Inc. d/b/a T2 Utility Engineers		Past Performance Evaluation Discipline(s)*		Other (Utility Coord.)
Project name	**Belle Chasse Bridge and Tunnel Replacement**			Firm responsibility (prime or sub?)	Sub
Project number	H.004791	Owner's name	Traylor-Massman Joint Venture		
Project location	Plaquemines Parish, LA		Owner's Project Manager	Scott Armstrong	
Owner's address, phone, email	9270 Siegen Lane, Suite 404, Baton Rouge, LA 70810 | 225-768-8811 Stephen.Wallace@Stantec.com				
Services commenced by this firm (mm/yy)		01/20	Total consultant contract cost ($1,000's)		$550
Services completed by this firm (mm/yy)		Ongoing	Cost of consultant services provided by this firm ($1,000's)		$550

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

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

T2ue was provided with SUE drawings for the project limits of the Belle Chasse Bridge and Tunnel replacement. With this information, before project award, T2ue developed a detailed conflict matrix identifying potential conflicts between the preliminary design and existing utilities. After project award, we quickly moved into Utility Coordination. A meeting was held with all affected utility providers, DOTD, the designers and the contractor. Each utility provider was given a map of the SUE survey for their services to compare with their records. Subsequent meetings have been held with individual utility companies to review in detail which services will need to be relocated. T2ue created a KMZ file containing all utility services, the project centerline, edges of the roadway, required right-of-way lines, and sub-surface drainage structures. This gives us a scale drawing in real-world coordinates that we can take into the field to confirm utility conflicts and possible locations for utility relocation. T2ue has prepared Engineering Authorization Agreements to each utility provider to alert them to begin the engineering process for their relocation plans. As these plans are being prepared, close coordination between all utility providers, T2ue, the contractor and designers will be necessary to ensure the smooth installation of new facilities in a timely manner.

Key Staff: Suzanne McCain, PE, LSI – Project Manager

Firm name	T2 UES, Inc. d/b/a T2 Utility Engineers		Past Performance Evaluation Discipline(s)*	Other (SUE)	
Project name	**MacArthur Interchange Completion Phase II**		Firm responsibility (prime or sub?)	Sub	
Project number	H.011309	Owner's name	SDR Engineering Consultants, Inc.		
Project location	Jefferson Parish, LA		Owner's Project Manager	Hatem Seliem	
Owner's address, phone, email	2260 Wednesday Street, Suite 500, Tallahassee, FL 32308 | 850-222-2737 hseliem@sdrengineering.com				
Services commenced by this firm (mm/yy)	08/19	Total consultant contract cost ($1,000's)		$15	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)		$15	

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

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

The MacArthur Interchange project is being designed to provide connections between the eastbound direction of the Westbank Expressway and the eastbound frontage road near Peters Road and the East Bound Harvey Tunnel. These ramp connections were proposed by the Crescent City Connection Division (CCCD) of the LA DOTD to provide access to the elevated Westbank Expressway for MacArthur and Destrehan Avenue traffic and to help alleviate traffic congestion at the Westbank Expressway/Manhattan Boulevard intersection.

T2ue was contracted to provide Subsurface Utility Engineering (SUE) services consisting of Quality Level B utility designating throughout the length of the project within the existing and any proposed right-of-way limits. As part of the Geotechnical Investigation, soil boring locations were also "cleared" to confirm no subsurface utilities exist at the boring location. In addition, Quality Level A subsurface utility investigation services were also provided in accordance with CI/ASCE Standard 38-02. Quality Level A test holes were utilized to determine the exact horizontal location, elevation, size and material type(s) of critical utilities which may conflict with the proposed construction.

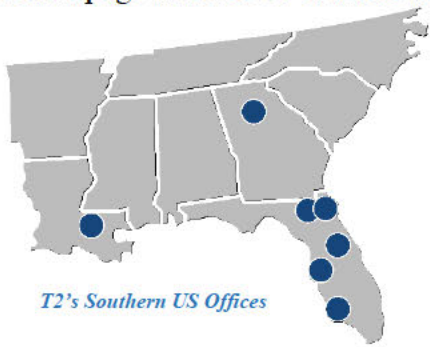
Under the current phase of the contract, T2ue has provided accurate survey information for all test hole locations and is providing Utility Coordination support to aid in the preparation of utility relocation plans and agreements with the utility providers as needed.

Key Staff:
Suzanne McCain, PE, LSI – Engineer in Charge
Troy Font – SUE Manager

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.



T2's Southern US Offices

Brief Firm Overview

T2 UES, Inc. d/b/a T2 Utility Engineers (T2ue) and its national team of employees have been performing services in the Utility Engineering and Survey (UES) area for 29 years. In October 2019, T2ue became the new company name for Cardno's former UES group - continuing the team's decades of industry leadership and expertise.

T2ue provides a full range of utility engineering services, including surveying and mapping, subsurface utility engineering (SUE), advanced geophysics and utility coordination, to support infrastructure projects. Recognized as a leader in managing the risks associated with above-ground and sub-surface utilities, T2ue has provided expertise for projects of all sizes since 1993, from small development jobs to large-scale billion-dollar infrastructure projects for public and private clients. With 24 offices across the United States, T2ue can quickly mobilize resources for your project.

MCGPR – STREAM EM

Subsurface Utility Engineering (SUE)

T2ue began providing SUE services in 1993 as TBE Group, Inc. and is recognized as a trailblazer in its evolution. We provide professional SUE services that meet the civil engineering industry's applicable ASCE Standards and practice

T2ue maintains a fleet of 30 non-destructive air-vacuum excavation trucks and 65 designating vehicles equipped with state-of-the-art geophysical equipment.

MCGPR – STREAM C

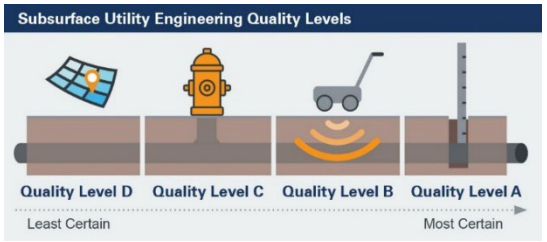
expectations. This enables design engineers to eliminate significant risks and manage those remaining risks for new infrastructure designs and future operations/maintenance. We are a full-service consultant for existing utility risk management.

Non-Destructive Vacuum Excavation

T2ue's SUE Services

- Multi-Channel Ground Penetrating Radar (MCGPR)
- Geophysical Investigations
- 3D Underground Mapping
- Utility Design
- 3D Utility Models (BIM)
- Concrete Imaging
- CCTV Sewer Inspections
- Non-Destructive Vacuum Excavation

Knowledge of ASCE 38-22 Standard and Compliance



Utility Investigation = Information**:** SUE is an investigation of both below and above ground utilities resulting in a depiction of utilities' locations and existence with varying levels of certainty. The degree of certainty is categorized in four quality levels as defined in ASCE 38. A typical SUE investigation uses a variety of methods, including a review of existing records, survey, geophysics, direct observation, and when needed, utility exposure.

- **Quality Level D (QLD):** Record information that may include details that indicates the presence of a utility.
- **Quality Level C (QLC):** Surveyed surface features reconciled to record data or (in the professional engineer's judgement) the uncertainty of the location does not warrant a QLB designation.
- **Quality Level B (QLB):** Geophysical location techniques reconciled to record information and surveys, surface features, knowledge of utility systems and professional judgement.
- **Quality Level A (QLA):** Physical exposure of utility and locating to project coordinate system. The most certain information regarding a subsurface utility. Technology used: Vacuum excavation

T2ue's experienced team identifies the level of investigative effort based on the complexity of the site, the client's tolerance for risk, and public safety. Our Utility Engineers optimize the return on investment for each SUE investigation. T2ue's typical deliverable is a combination of graphics and a Utility Report that identifies the utility quality levels achieved from the investigation.

Specialty / Unique Skills

MCGPR – T2ue owns two multi-channel ground-penetrating radar (MCGPR) units. The STREAM EM can be towed for larger areas and the STREAM C can be manually pushed in tighter quarters. Both contain multiple antennas gathering large amounts of subsurface utility data a typical GPR unit cannot. The MCGPR data is related to horizontal and vertical project datums using GPS. This can reduce

the risk of unknown utility and structures not being identified, possible void detection, identify non-conductive utilities and creates an independent check of SUE investigations. Recently T2ue was contracted to utilize this technology in the detection of historic gravesites.

Schedule Adherence Approach

Schedules for Indefinite Delivery/Indefinite Quantity (IDIQ) individual Task Order (TO) based contracts can vary widely depending on the project and scope. T2ue is keenly aware of the importance of project schedules and adherence to schedules is a part of everyday life at T2ue. T2ue's schedule control process is designed to monitor all workflow processes throughout a project using checklists to ensure compliance with our submittals, contract, task, and LADOTD requirements on any assignment. The following steps outline our schedule adherence process:

- Every project regardless of its size has a kick-off meeting. The project manager will discuss with the team safety, scope, project limits, deliverables, budgets, and QA/QC review/deliverable schedules with milestone dates.
- Project managers meet weekly to review all active projects addressing any concerns and allocating the necessary resources throughout the duration of the retainer to ensure project schedules and milestones are met.
- Project and task managers meet daily with office support staff, field supervisors, and crews to brief and de-brief on the day's activities, providing support and resources as needed to maintain schedules.
- At all milestones, including final review, our project and task managers meet with our quality assurance/quality control (QA/QC) review team to hand off the project for review, identifying any scope changes and project issues that may have occurred.

T2ue's Full Equipment List

Subsurface Utility Engineering and Survey Equipment

As of April 2022

T2 Utility Engineers	U.S.	West	South	North	Equipment Age
Vehicles					
Non-Destructive Air Vacuum Excavation Units	30	15	6	9	0 to 12 years
Designating Vehicles	65	22	14	29	0 to 5 years
Survey Vehicles	20	6	15	2	0 to 5 years
Boats	4	0	4	0	
Pipe and Cable Locators					
Vivax Metrotech 810/VM-810 Locator	122	40	39	43	1 to 10 years
Radiodetection 8100/8000 Locator	93	33	35	25	1 to 10 years
Ditch Witch Subsite Locator	36	8	13	15	6 to 10 years
EML Marker Ball Locate Adaptor	5	4	0	1	0 to 10 years
Fischer TW-6	11	4	5	2	3 to 10 years
Submersible Double Depth Antenna	1	0	1	0	15 years
Transmitting Sondes	8	5	2	1	2 to 10 years
Detectable Fiberglass Push Rod	65	14	19	32	1 to 7 years
Vivax Metrotech vLocPro2/vLoc3 Pro Locator	46	10	16	20	0 to 8 years
Pipehorn Locator	33	8	14	11	1 to 15 years
Optimal Ranging Dual SPAR 300	1	1	0	0	5 years
Ground Penetrating Radar					
Mala GeoScience CX-12 High-Frequency GPR	3	0	1	2	5 to 10 years
GSSI UtilityScan LT	12	1	7	4	8 to 10 years
GSSI UtilityScan	3	1	1	1	1 to 2 years
Sensors & Software LMX200	5	2	3	0	2 to 3 years
IDS Detector Duo	7	0	4	2	7 to 10 years
IDS Opera Duo	16	5	5	6	4 to 6 years
IDS Hi-Mod Single Channel	3	3	0	0	1 to 2 years
IDS STREAM C Multi-Chanel GPR (MCGPR)	2	0	1	1	1 to 3 years
IDS STREAM EM Multi-Channel GPR (MCGPR)	2	1	1	0	1 to 3 years
Surveying and Mapping Equipment					
Leica C10 3D Laser Scanner	3	0	3	0	4 years
Leica P40 3D Laser Scanner	1	0	1	0	3 years
Leica P50 3D Laser Scanner	1	0	1	0	3 years
Leica BLK360 3D Laser Scanner	2	1	1	0	4 years
Survey Total Station	30	3	24	3	1 to 10 years
Robotic Total Station	12	9	2	1	1 to 10 years
Survey Data Collector	70	20	37	13	0 to 10 years
Digital Level	15	2	13	0	2 to 10 years
Laser Level	6	0	6	0	2 to 10 years
GPS GNSS Receivers	43	17	23	3	1 to 10 years
Hydrographic Echo Sounder (HE)	1	0	1	0	3 years
Hydrone Autonomous Hydrographic Mapping System	1	0	1	0	2 years
Riegl Unmanned Laser Scanner VUX-1UAV-22	1	0	1	0	
Harris Aerial H6 Hybrid HE+ Hexacopter UAV	1	0	1	0	
Geonics EM-61 Time Domain EM	1	0	0	1	5 years
Closed Circuit Television (CCTV) Inspection					
Vivax Pushrod CCTV Inspection System	7	2	2	3	5 to 10 years
Other					
Dakota Ultrasonics - MMX-6 Multi-Mode Ultrasonic Thickness Gauge	2	0	1	1	8 years

Compliance with Project Task Schedule and Cost Control of Budget Commitments

LADOTD can have confidence in our team's ability to exceed requirements in terms of cost control, schedule and quality both through our sound approach and our past history of performance. T2ue utilizes BST financial/accounting system that generates detailed budget reports that project managers can use to easily identify areas where tasks are not being completed in a cost-effective and timely manner and take corrective measures, if necessary, to get the project back on budget and schedule. Financially, T2ue's BST accounting system positions the company for sustained project management performance and compliance with Federal Cost Accounting Standards. The system provides all necessary information at the contract, project and task levels for the PMs to effectively execute their budget control responsibilities in a timely manner.

T2ue holds "Monthly Operating Review" meetings (MORs) attended by PMs, senior management and executive level. Project budgets, schedules, QA/QC and client satisfaction issues are reviewed. T2ue's Assignment Scheduling Tool (AST) assists with keeping projects on schedule and staff highly utilized. T2ue's PM monitors daily progress and updates the project schedule to determine additional resources are required to meet project milestones.

T2ue's Quality Assurance Plan has embraced Total Quality Management (TQM) as our corporate philosophy. Our QA/QC philosophy has formalized components to ensure quality. These include periodic reviews by PMs, in-house peer reviews, external consultant reviews, flowcharts, checklists, error checking and value engineering. T2ue utilizes Microsoft Project scheduling program to assist with keeping projects on schedule. Our PM monitors daily progress and updates the schedule to determine if more resources are required and milestones are met for each project T2ue undertakes.

Safe T2- Safety First

At T2ue, we value the safety of our employees, subcontractors, and the public, and we believe that all incidents are preventable. Our Health, Safety, and Environmental processes and training focus on planning and executing work safely and include a reporting tool to resolve safety hazards and prevent incidents. Our safety culture empowers our staff with Stop Work Authority. We don't take safety shortcuts. In addition, all T2ue employees are either currently certified by ATSSA in Traffic Control or will have this requirement met soon. T2ue's senior team members are MOT certified, in compliance with DOTD's requirement. Additionally, the entire team is CPR and First Aid trained.

19. Workload:

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

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

For indefinite delivery/indefinite quantity (IDIQ) contracts, list open Task Orders individually.
List only the portion of the fees attributable to firms on the team.

Firm(s)	Past Performance Evaluation Discipline(s) *	State project number	Project name	Remaining Unpaid Balance**
				N/A

(Add rows as needed) DO NOT SUM

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

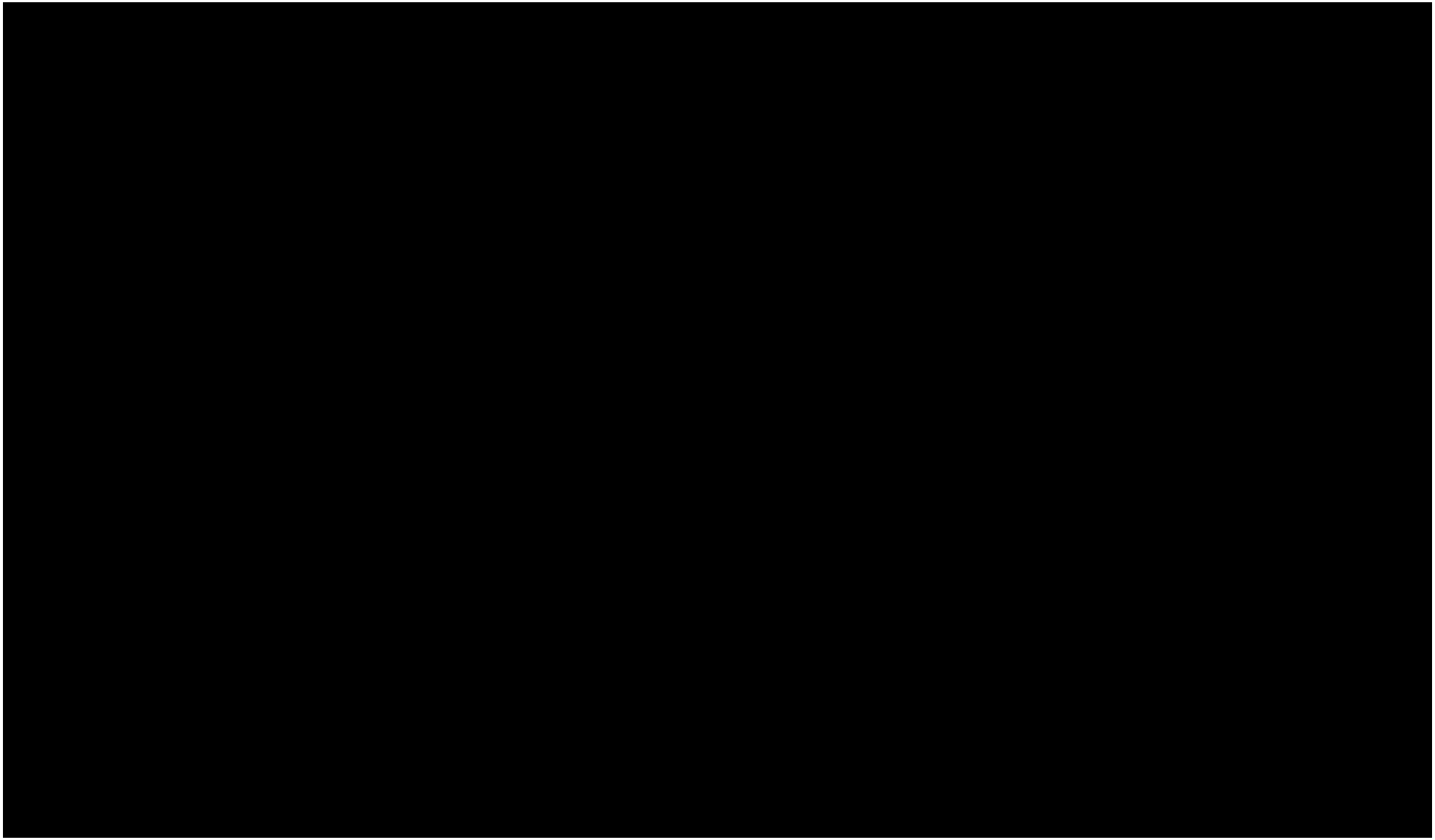
** Round to the nearest dollar. **Do not** round to the nearest thousands. If there are no active contracts with a remaining unpaid balance, place N/A in the Remaining Unpaid Balance column. LEAVING THE "REMAINING UNPAID BALANCE" COLUMN BLANK IS NOT ACCEPTABLE.

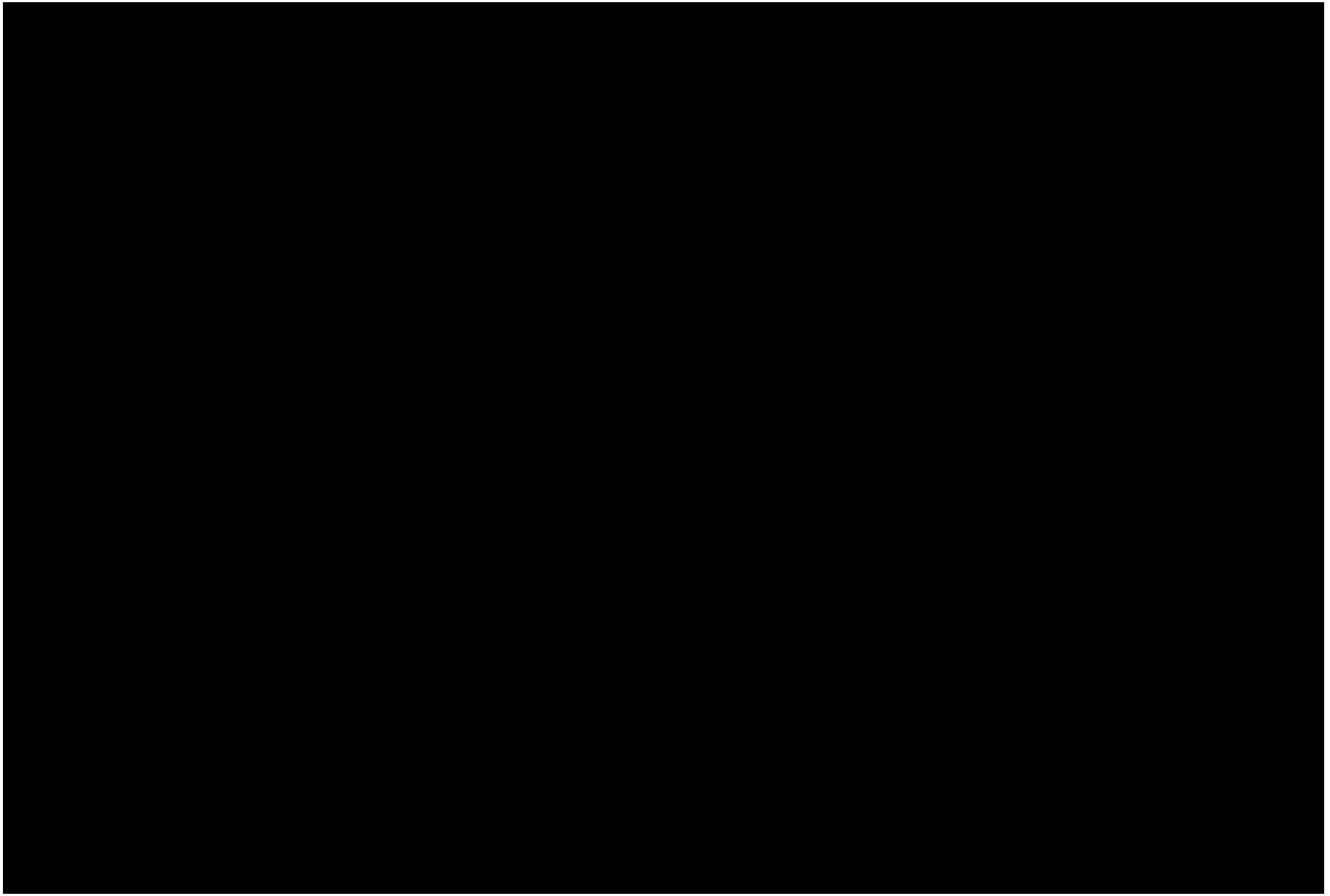
20. Certifications/Licenses:

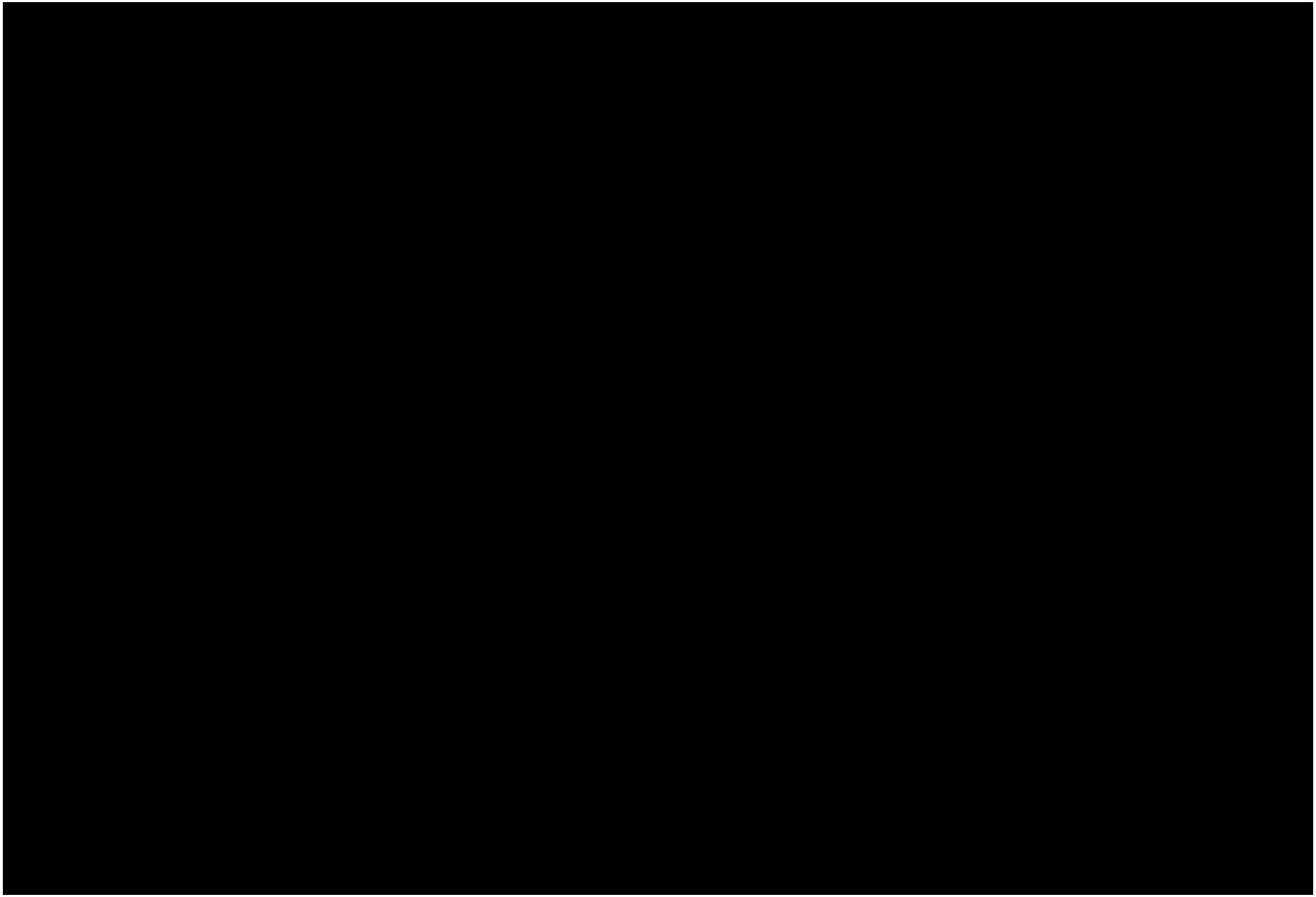
If the advertisement requires submission of licenses and/or certificates, include them here. Otherwise, leave this section blank.

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

If the advertisement requires submission of a QA/QC plan or Work plan, include them here. Otherwise, leave this section blank.







22. Sub-consultant information:

If one or more sub-consultants will be used, provide the name, address, point of contact and phone number for each. Otherwise, leave this section blank.

Firm Name (as registered with Louisiana's Secretary of State)	**Address**	**Point of Contact and email address**	**Phone Number**

(Add rows as needed)

23. Location:

If location is an evaluation criterion for this advertisement and the prime consultant intends to establish a local presence, describe the plan for doing so. Otherwise, leave this section blank.