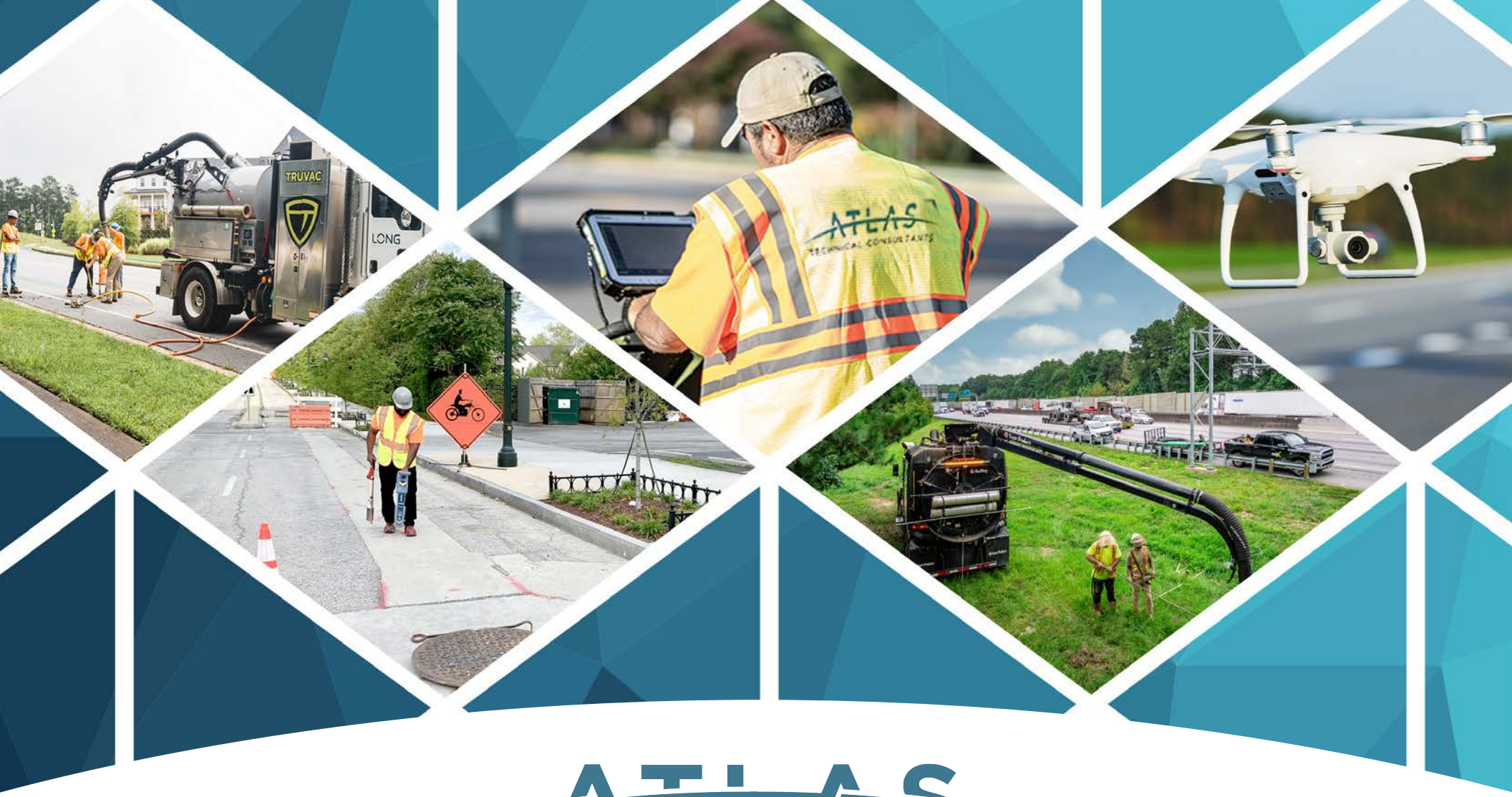


ATLAS

IDIQ CONTRACT FOR
SUBSURFACE UTILITY ENGINEERING (SUE) SERVICES STATEWIDE

CONTRACT NOS. 4400025510, 4400025511 & 4400025512
SUBMITTED: 17 NOVEMBER 2022

17 November 2022

DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
ATTN: Mr. Michael Gorbaty, Consultant Contract Services Administrator
1201 Capitol Access Road, Room 405-E | Baton Rouge, LA 70802

RE: **Qualifications for Engineering and Related Services: IDIQ CONTRACT FOR SUBSURFACE UTILITY ENGINEERING (SUE) SERVICES Statewide Project Nos. 4400025510, 4400025511 and 4400025512**

Dear Selection Committee:

Atlas sincerely looks forward to the opportunity to provide on-call Subsurface Utility Engineering (SUE) services to the LADOTD. Over the past three years we have significantly expanded our presence in Louisiana and are committed to continuing that effort. We now have a statewide footprint with three permanent offices (Baton Rouge, Lafayette, and Shreveport) and two more coming soon to Lake Charles and New Orleans. Our in-state management team is deeply experienced with Louisiana clients and supported by regional resources such as our subsurface utility engineering group that has on-call contracts with Georgia DOT, Alabama DOT, and South Carolina DOT. Locally, Atlas was recently selected to provide SUE services to the Port of South Alabama. Our broad national expertise in SUE, combined with an exceptional local management team will allow us to quickly and economically perform any work assigned to Atlas under this contract.

Several factors set Atlas apart from our competition. Please take note of these as you read and grade this submittal.

- We **OWN** four state-of-the-art heavy vacuum excavation trucks, allowing our crews to excavate with either air or water depending on site conditions.
- We **OWN** two mobile smaller mobile units, permitting us to work in hard-to-reach places, such as roadway shoulders and narrow medians.
- Atlas has **industry-leading experts** who are well known in the SUE arena. They teach SUE classes for the American Council of Engineering Companies (ACEC) and have provided workshops to the engineering staff for a number local government.
- Our experience includes SUE work on a number of major projects with construction values in excess of **$500 million**.
- Atlas has a strong corporate safety culture and you can be certain that our field crews will ensure **all safety protocols are followed and documented**. Lane closures will be done according to MUTCD and LADOTD requirements, creating safe conditions for the traveling public, LADOTD staff, and Atlas personnel during field operations.
- We have a **formalized QA/QC program**, ensuring the work products we deliver are checked, back-checked, and fully reviewed to provide high-quality, accurate deliverables on time.
- Atlas provides the **full range of services required for this contract in-house**, eliminating the need for subconsultant coordination.

In summary, we bring years of SUE and survey expertise, as well as capacity and availability to the table for your consideration. Our work will be backed with personal commitments to excellence by our local Louisiana staff with whom you are familiar. We are extremely excited about the opportunity to work in partnership with LADOTD and look forward to a successful relationship as a trusted partner. If you have any questions, or need further information, please don't hesitate to call.

Very Sincerely,

EDWIN "BUDDY" GRATTON
678.642.8455 | buddy.gratton@oneatlas.com

DOTD FORM: 24-102

DOTD FORM 24-102

1. Contract Title as shown in the advertisement	IDIQ CONTRACT FOR SUBSURFACE UTILITY ENGINEERING (SUE) 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	NA
4. Prime consultant name (as registered with the Louisiana Secretary of State where such registration is required by law)	Atlas Technical Consultants, LLC
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	EF6606
6. Prime consultant Mailing Address	8440 Jefferson Hwy Suite 400 Baton Rouge, LA 70809
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	8440 Jefferson Hwy Suite 400 Baton Rouge, LA 70809
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Brandon DeJean | Senior Transportation Engineer | 225.485.6505
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Edwin "Buddy" Gratton | Senior Vice President - Southeast Region 678.642.8455 | buddy.gratton@oneatlas.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)  _____ Submittal Date: 17 November 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.	NA

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)

Evaluation Disciplines	% of Overall Contract	Prime Atlas
Survey	20%	100%
Other (SUE Services)	80%	100%
% of Contract	100%	100%

DOTD FORM 24-102

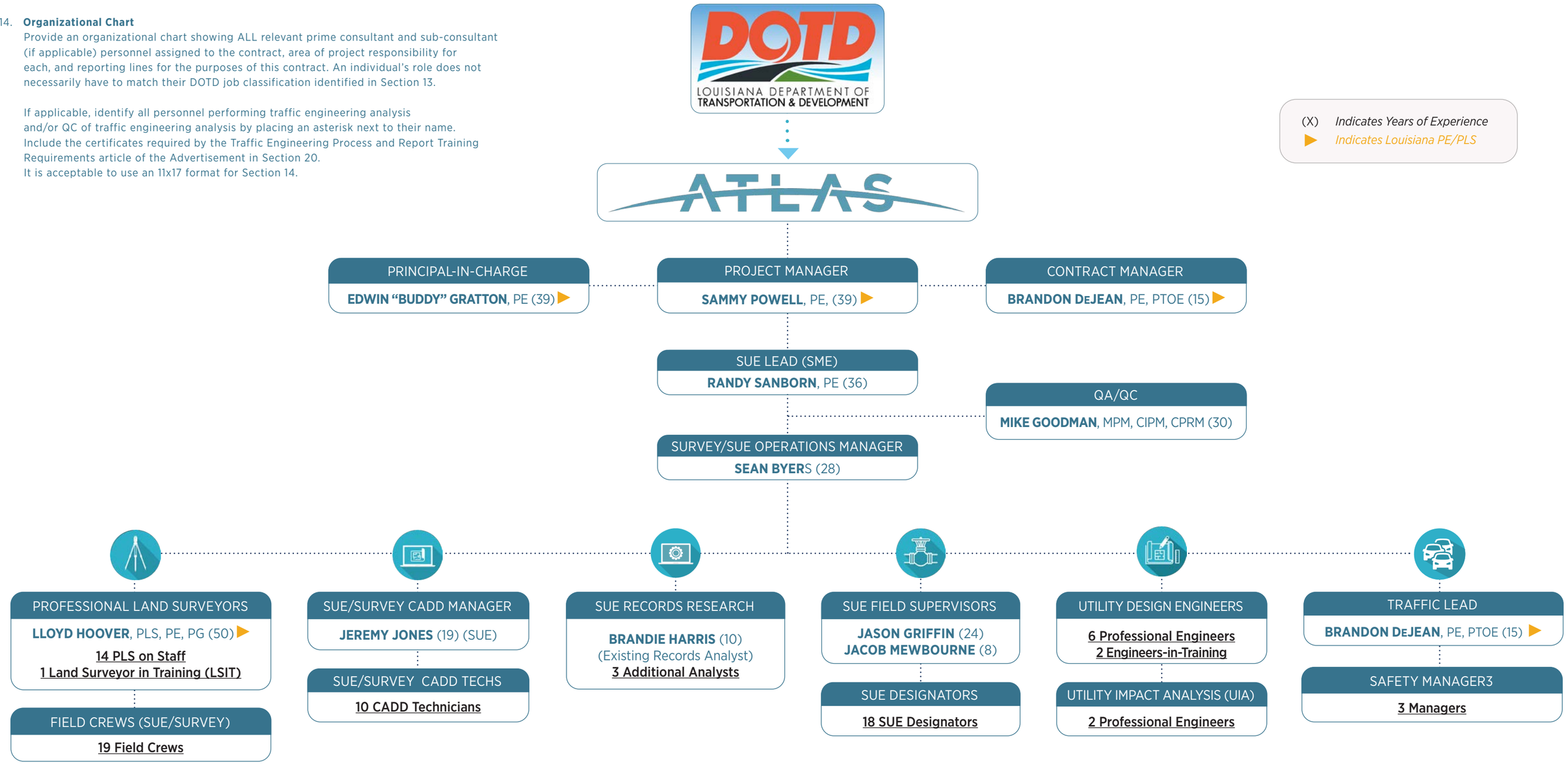
13. **Firm Size**
For all firms that are part of this team, indicate the approximate number of personnel to be committed to this contract, by DOTD Job Classification and the total number of personnel within the firm that could provide support, if needed. If a specialized job classification is required 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)
Atlas Technical Consultants	Principal	1	3
Atlas Technical Consultants	Supervisor - Engineer	1	7
Atlas Technical Consultants	Supervisor – Engineer (other)	1	17
Atlas Technical Consultants	Engineer	1	9
Atlas Technical Consultants	Engineer (other)	7	150
Atlas Technical Consultants	Engineer Intern	1	5
Atlas Technical Consultants	Senior Technician	4	18
Atlas Technical Consultants	Clerical	1	100
Atlas Technical Consultants	CADD Operator	3	7
Atlas Technical Consultants	Party Chief	3	16
Atlas Technical Consultants	Instrument Man	3	16

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.



DOTD FORM 24-102

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 resume reflects the required experience stated in the MPR.

MPR #	REQUIREMENTS	PERSONNEL MEETING THE REQUIREMENT	FIRM PERSONNEL EMPLOYED BY	TYPE OF LICENSE / CERTIFICATION REQUIRED	LICENSE / CERT EXP. DATE
1	At least one (1) principal of the prime consultant shall be a registered professional engineer or professional land surveyor in the state of Louisiana.	Edwin "Buddy" Gratton, PE	Atlas	Louisiana PE / No. 43534	09-30-2023
2	At least one (1) principal or responsible member of the prime consultant shall be currently registered as a professional land surveyor in Louisiana.	Lloyd Hoover, PLS, PE	Atlas	Louisiana PE / No. 11968 Louisiana PLS / No. 1946	09-30-2023 09-30-2023
3	At least one (1) principal or responsible member of the prime consultant shall be a professional land surveyor or professional engineer, registered in the state of Louisiana, and shall have a minimum of five (5) years of experience in responsible charge of performing Subsurface Utility Engineering (SUE) services and Topographic Surveys.	Sammy Powell, PE	Atlas	Louisiana PE / No. 33770	09-30-2024

16. **Staff Experience**

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

PLEASE SEE RESUMES ON THE FOLLOWING PAGES.

Firm Employed by	ATLAS		
Name	EDWIN "BUDDY" GRATTON, PE	Years of Relevant Experience with this Employer	12
Title	PRINCIPAL-IN-CHARGE	Years of Relevant Experience with Other Employers	27
Degree / Year / Specialization		MS, Civil Engineering, 1986 BS, Civil Engineering, 1982	
Active Registration Number / State / Expiration Date		#43534 / LA / 09-30-2023	
Year Registered	2019	Discipline	Professional Engineer: Civil
Contract Roles / Brief Description of Responsibilities		Buddy Gratton was named president of Moreland Altobelli Associates, LLC (MA) – now Atlas Technical Consultants – in 2010; he joined MA in 2009 as executive vice president after retirement from Georgia Department of Transportation (GDOT) following a 26-year career. Buddy now serves as senior vice president of the Southeast Region of Atlas. He provides executive level management of operations and assists with coordination and facilitation of the company's office and field functions.	

MEETING / EXCEEDING MINIMUM REQUIREMENTS

#1 MINIMUM PERSONNEL REQUIREMENTS

✓ principal of the prime consultant shall be a registered professional engineer or professional land surveyor in the state of Louisiana

Dates	Experience And Qualifications Relevant To The Proposed Contract
(02/09-12/10)	**Gwinnett Program Management (Gwinnett County, GA)** Buddy has been actively managing the Gwinnett Program over the last 10 years. County has undertaken a very large program of road improvements dating back to 1986. This continuous series of programs have been funded with SPLOST revenues and assistance from GDOT. Projects have included freeway interchanges and modifications, addition of interstate CD lanes, major construction on primary roadways, resurfacing, paving of unpaved roads, intersection reconfigurations, and operational improvements. The Gwinnett County Department of Transportation has utilized MA's program management and construction management services for the past 27 years through five consecutive contracts to facilitate completion of more than $1.5 billion of projects. These services have included general program coordination, concept development, quality control, environmental permitting, liaison with GDOT. 
(02/09-present)	**Statewide Preliminary Engineering Services and Engineering Development for Highway/Railroad Grade Crossings** Atlas has conducted field inventory of approximately 720 at-grade crossings working on 14 corridor crossing studies. MA prepared Highway Railroad Engineering Assessments (HREA's) for all 720 at-grade crossings and also prepared improvement recommendation alternatives and diagrams in close coordination with GDOT staff. Buddy was responsible for leading the team to prepared reports for all 14 corridor crossing studies including field inventory, PowerPoint pictures of crossings, data collection from local jurisdictions (cities and counties), school authorities, and both Class I railroads (CSX Transportation and Norfolk Southern).

Dates	Experience And Qualifications Relevant To The Proposed Contract
(02/09-present)	**I-16/I-75 Interchange (Bibb County, GA)** The I-16/I-75 improvement project includes widening and reconstruction of I-75 from Hardeman Avenue to Pierce Avenue and I-16 from I-75 to Walnut Creek within the City of Macon in Bibb County, Georgia. Within this corridor are three interstate/arterial route interchanges (I-16 at Spring Street, Second Street, and Coliseum Drive), and a freeway-to-freeway interchange between I-16 and I-75. The primary objective of the project is to improve operational efficiency of each of the above interchanges. 
(02/09-08/2010)	**I-95/Horse Stamp Church Road Interchange (Camden County, GA)** The project proposes to construct a diamond interchange and replace the existing substandard bridge over I-95. The project would include the relocation of Spring Bluff Road, west of its existing location so that the road would not be next to the new interstate ramp. This project is to provide additional access to I-95 for future planned development and for future mandated emergency FEMA evacuations. 
(2009-present)	**Statewide Preliminary Engineering Services and Engineering Development for Highway/Railroad Grade Crossings** Atlas has conducted field inventory of approximately 2,100 at-grade crossings working on 37 corridor crossing studies. Atlas prepared Highway Railroad Engineering Assessments (HREA's) for all 2,100 at-grade crossings and also prepared improvement recommendation alternatives and diagrams in close coordination with GDOT staff. Atlas prepared reports for all 37 corridor crossing studies including field inventory, PowerPoint pictures of crossings, data collection from local jurisdictions (cities and counties), school authorities, and both Class I railroads (CSX Transportation and Norfolk Southern).
(2010-2014)	**Widening and Reconstruction of SR 20 (Forsyth County, GA)** The proposed project would widen SR 20 from two lanes to four lanes between Samples Road and James Burgess Road in Forsyth County, Georgia. The purpose of the project is to improve east-west mobility along SR 20, which serves as a primary arterial between Forsyth County and Gwinnett County in this location.
(2006-2009)	**Deputy Commissioner at GDOT** • Managed and set direction for Georgia DOT divisions and offices. Served as Chief Executive Officer of GDOT in the Commissioner's absence. • Served as Department legislative liaison.
(2002-2004)	**Division Director of Preconstruction at GDOT** • Managed all activities of work required to deliver projects within the construction work program up to letting of construction contracts. • Established goals, objectives, budget, and policies required for the department to accomplish overall mission of program delivery.

Firm Employed by	ATLAS		
Name	**SAMMY POWELL, PE**	**Years of Relevant Experience with this Employer**	8
Title	**PROJECT MANAGER**	**Years of Relevant Experience with Other Employers**	31
Degree / Year / Specialization		BS / 1982 / Civil Engineering MBA / 1988 / Business Administration	
Active Registration Number / State / Expiration Date		#33770 / LA / 09-30-2024 | #23206 / AL / 12-31-2023 #16685 / GA / 12-31-2022 | #39984 / FL / 02-28-2023	
Year Registered	2008	**Discipline**	Professional Engineer: Civil
Contract Roles / Brief Description of Responsibilities		Mr. Powell has 39 years of experience in the design of all types of transportation engineering related projects. He has performed duties as both project manager and deputy project manager in responsible charge on a number of subsurface utility engineering (SUE) projects. Mr. Powell is familiar with the requirements of ASCE 38-02; the standard care for locating and depicting utilities, as well as the office integration of utility information into GIS and design databases. In addition, he has hands-on subsurface utility engineering field experience on complex utility projects with multiple facilities.	

MEETING / EXCEEDING MINIMUM REQUIREMENTS

#3 MINIMUM PERSONNEL REQUIREMENTS

✓ professional engineer or professional land surveyor registered in Louisiana with a minimum of 5 years of experience with SUE and surveys

Dates	Experience And Qualifications Relevant To The Proposed Contract
(2021-Ongoing)	**GDOT – Statewide Master SUE Contract (Statewide, GA)** Assisted with project management coordination. This contract included subsurface utility engineering for both underground and above ground utilities. Project management responsibilities included: 1) ASCE 38-02 Quality Level D (records research), Quality Level B (designating), Quality Level C (surveying above ground features and tying into existing records) and Quality Level A (locating-test holes). 2) Utility Impact Analysis (UIA) - a matrix for utility conflict resolution/avoidance and test hole determination. 3) Data Management. 4) Training – district office training on various utility processes and procedures. Four consecutive contracts were won spanning 13 years. During this time over 100 work orders were completed totaling more than 5,000,000 ft. of designating (QLB) and approx. 1,500 test holes (QLA).
(2018-Ongoing)	**Major Mobility Investment Program (MMIP) (Statewide, GA)** Assisted with project management coordination of 8 mega-projects totaling more than $13B. These projects are part of the MMIP for GDOT which started in 2017 and are projected to continue through 2027. Responsibilities included meeting with various utility owners to obtain information such as approximate size, type and location of existing utilities. The primary focus is on major utilities only; individual facilities greater than $1M each. Utility owners contacted were AGL, ATT, Ga. Power, MARTA and major pipeline companies. A 'Risk Assessment Summary' was provided for each of the 8 projects. This document identified pertinent information including the degree of 'risk' as well as costs for relocation.

Dates	Experience And Qualifications Relevant To The Proposed Contract
(2018-Ongoing)	**Southern Company & Georgia Power On-Call Services (SUE/ Survey) (Statewide, GA)** Assisted with project management coordination providing on-call services for Georgia Power (GP from 2008-present, while also operating as Project Manager on a separate on-call statewide contract with Southern Company Gas (SCG), a natural gas distribution company owned by Southern Company. On both contracts, SUE and Survey services were provided across the state with each site having its own schedule requiring careful planning and a commitment to meeting multiple schedules. The On-Call SUE Contract required managing multiple projects simultaneously in many locations around the State.
(06/15 – 09/15)	**Hartsfield-Jackson Atlanta International Airport – Drainage Improvements** Atlas was contracted by C.W. Matthews Contracting Co., Inc. to provide Quality Level A subsurface utility engineering services for this safety and drainage improvement project at Hartsfield-Jackson Atlanta International Airport (HJAIA). The safety and drainage improvements were a top HJAIA priority and damage to a critical utility line, including a large FAA fiber optic cable, could impact or even shut down the operations of the world's busiest airport. Atlas provided SUE services in order to accurately identify underground utilities prior to grading operations. Crews working under Mr. Powell's direction performed more than 200 test holes at various locations on runway 8R-26L for this project. Lines were physically located and SUE technicians marked each test hole with a PVC pipe allowing graders to miss the underground utilities. All of the work was completed between the hours of midnight and 6:00 am when the runway could be shut down.
(07/02 to 09/06)	**Downtown Atlanta Viaducts Replacement Preliminary Plans (Atlanta, GA)** Project manager for this project to replace six deteriorating concrete bridge viaducts in the heart of downtown Atlanta. Project included physical location of all subsurface utilities and integration into the preliminary design database. Subsurface utilities included steam lines that served a number of older buildings in the areas and numerous other underground facilities that were constructed over since the bridge were constructed in the 1920's.
(04/15 – 06/15)	**I-285 at Riverside Drive Interchange Modifications (Cobb County, GA)** Atlas was contracted to provide Quality Level A SUE services for this GDOT design project. The improvements consisted of converting the signalized intersections at each ramp termini into a round-about. The Utility Impact Analysis provided by Atlas ensured that the design team would be able to design around major utilities as well as determine test hole locations. Quality Level A work consisted of 15 test holes allowing a gas line to remain in place avoiding costly relocation. Also, the test holes assisted in the approval of a GDOT water line retention request in which Atlas provided the design for the City of Atlanta. SUE plans were prepared for the 15 test holes in accordance with the GDOT specifications and electronic data guidelines.

Firm Employed by	ATLAS		
Name	**BRANDON DeJEAN, PE, PTOE**	**Years of Relevant Experience with this Employer**	1
Title	**CONTRACT MANAGER & TRAFFIC LEAD**	**Years of Relevant Experience with Other Employers**	14
Degree / Year / Specialization		BS / 2007 / Civil Engineering	
Active Registration Number / State / Expiration Date		#37234 / LA / 09-30-2024 Certified Professional Traffic Operations Engineer (PTOE)	
Year Registered	2012	**Discipline**	Professional Engineer: Civil
Contract Roles / Brief Description of Responsibilities		Mr. DeJean is an engineer with nearly 15 years of experience working for both consultants and state government. This includes over ten years of progressive experience with the Louisiana Department of Transportation and Development's Traffic Engineering Division, where he provided traffic engineering direction and support through the planning, study, modeling, design, and review of geometric features (intersections and interchanges), control devices (signs, traffic signals, and pavement markings), and changes in access (connections and impact studies) components of individual projects. During his time at LADOTD, Mr. DeJean was instrumental in the development and implementation of policy and procedures for the preparation of Interstate Access Justification Reports (IAJR) and provided expert assistance to LADOTD staff and consultants with scoping, performing, and reviewing IAJRs. He has a comprehensive knowledge of the Highway Capacity Manual, Manual on Uniform Traffic Control Devices, LADOTD engineering directives, standard plans and specifications, and traffic engineering policy. Mr. DeJean's experience includes corridor studies and interstate access justification requests with tasks that include field observations and data collection, safety and operational analysis utilizing HCM and microsimulation methodologies, evaluating alternatives, and preparing final reports.	

Dates	Experience And Qualifications Relevant To The Proposed Contract
(06/13– 07/22)	**S.P. H.003931 I-10 Calcasieu River Bridge (Calcasieu Parish, LA)** LADOTD Task Lead for traffic engineering study prepared for IAJR and in support of an Environmental Impact Statement. The IAJR was prepared in conjunction with the NEPA process and to satisfy FHWA policy requirements for interstate access change requests and LADOTD EDSMs and guidelines. Project includes replacement of the I-10 Calcasieu River Bridge, the widening of I-10 from I-210 to I-210, and modification of interchanges throughout the corridor. Study area and analysis includes approximately 9 miles of I-10 corridor from PPG Drive to US 171 as well as corridors and interchanges of PPG Drive, Sampson St, Ryan St, and Enterprise Blvd. Tasks included data collection, operational analysis of freeway facilities and arterials using Highway Capacity Software, preparation of a final report to discuss findings and recommendations.

Dates	Experience And Qualifications Relevant To The Proposed Contract
(05/15 – 07/21)	**S.P H.003915 I-49 Inner City Connector (Caddo Parish, LA)** LADOTD Task Lead for traffic engineering study prepared for IAJR and in support of an Environmental Impact Statement. The IAJR was prepared in conjunction with the NEPA process and to satisfy FHWA policy requirements for interstate access change requests and LADOTD EDSMs and guidelines. Project includes the proposed connection of I-49 through Shreveport from I-220 to I-20, the modification of the two major freeway to freeway interchanges, and the addition of service interchanges at Hearne Ave and Ford St in Caddo Parish, LA. The combined study area and analysis includes approximately 7.5 miles of the I-49 corridor from LA 3194 to Hollywood Ave, 3.5 miles of the I-20 corridor from US 79 to Diamond Jacks Blvd, 3 miles of the I-220 corridor from LA 173 to US 171 and a total of 14 interchanges. Tasks included data collection, operational analysis of freeway facilities and arterials using Highway Capacity Software, preparation of a final report to discuss findings and recommendations.
(03/14 – 04/14)	**H.003370 I-220 at I-20 Interchange Improvements & Barksdale Air Force Base Access (Bossier Parish, LA)** LADOTD Task Lead for traffic engineering study prepared for IAJR. The project included modification of the I-20 at I-220 interchange and extension of I-220 to a new base entry control facility, The study area and analysis includes I-20 and interchanges as well arterial corridors connected to multiple existing base entry control facilities. Tasks included review of initial data collection to determine peak periods, planning and collection of final data consisting of turning movement counts and peak period observations. Coordination with local metropolitan planning organization and Federal Highway Administration to ensure report adequately supported interstate modification request as directed by federal law and policy.
(08/20 – 03/21)	**H.010753 US 90 at I-310 (St Charles Parish, LA)** Responsible for preparation of a traffic engineering study to evaluate alternatives and help alleviate traffic congestion at the I-310 northbound and southbound ramp terminal intersections at US 90 in St Charles Parish, LA. The traffic study was prepared to satisfy LADOTD EDSMs and guidelines. Tasks included data collection, operational analysis of arterials using Highway Capacity Software and preparation of a final report to discuss findings and recommendations.
(05/13 – 05/15)	**H.003298 Tarbutton Road Interchange and I-20 Frontage Road (Lincoln Parish, LA)** LADOTD Task Lead for traffic engineering study prepared for IAJR. The IAJR was prepared satisfy FHWA policy requirements for interstate access change requests and LADOTD EDSMs and guidelines. Study area and analysis included the I-20 interchanges at Tarbutton Road, LA 149, and LA 544. Tasks included data collection, operational analysis of freeway facilities and arterials using Highway Capacity Software, preparation of a final report to discuss findings and recommendations.
(05/12 – 04/13)	**H.010151 I-210 Interchange Justification Report – Cove Lane to Nelson Road (Calcasieu Parish, LA)** LADOTD Task Lead for traffic engineering study prepared for IAJR. The IAJR was prepared satisfy FHWA policy requirements for interstate access change requests and LADOTD EDSMs and guideline. Study area and analysis included new and modified access of I-210 at Cove Lane and the Nelson Road interchange as well as associated arterial corridors and intersections. Tasks included data collection, operational analysis of freeway facilities and arterials using Highway Capacity Software, preparation of a final report to discuss findings and recommendations.

Firm Employed by	ATLAS			**Affiliations & Memberships**
Name	**RANDY SANBORN, PE**	**Years of Relevant Experience with this Employer**	5	•Department of Transportation - Project Management Certified Professional Engineer •American Society of Highway Engineers (ASHE) •American Council of Civil Engineering Companies (ACEC) •Georgia Utility Coordinating Council (GUCC) •Georgia Department of Transportation - PDP Certified •ACEC Utility Task Force Member •Georgia Transportation Forum & GPTQ
Title	**SUE LEAD (SUBJECT MATTER EXPERT)**	**Years of Relevant Experience with Other Employers**	33	
Degree / Year / Specialization		BS / 1986 / Environmental Engineering Sciences		
Active Registration Number / State / Expiration Date		#25627 / GA / 12-31-2022 #50649 / FL / 02-28-2023 #27287 / NC / 06-30-2024 #21548 / SC / 06-30-2024		
Year Registered	1988	**Discipline**	Professional Engineer: Environmental	
Contract Roles / Brief Description of Responsibilities		Randy Sanborn, PE is our in-house SUE Lead and Subject Matter Expert (SME). Randy is widely recognized as an industry leader in the SUE arena. He has managed large statewide on-call SUE contract throughout the Southeast for DOT clients in GA, SC, FL, and NC. Randy's impact to the industry includes developing consistency among SUE providers by introducing unit costs for large Statewide SUE contracts. He was also instrumental in assisting several clients' entry into SUE by helping develop policies, procedures, and checklists; including line-styles, pole data, and test hole forms. He assisted GDOT with SUE pre-qualifications and is responsible for most of the SUE standards used by GDOT today. He has managed over 500 individual SUE contracts, totaling more than $20M in revenue, 1,500+ miles of utility locates, and 3,600+ test holes. His knowledge of ASCE 38-02, the standard care for locating and depicting utilities, the PDP, the Electronic Data Guidelines, and the Utility Accommodation Manual is a testament to his understanding of the utility process. Mr. Sanborn has authored several utility articles and is involved in utility training throughout the Southeast.		

Dates	Experience And Qualifications Relevant To The Proposed Contract
(2021-Ongoing)	**GDOT – Statewide Master SUE Contract (Statewide, GA)** This contract included subsurface utility engineering for both underground and above ground utilities. Project management responsibilities included: 1) ASCE 38-02 Quality Level D (records research), Quality Level B (designating), Quality Level C (surveying above ground features and tying into existing records) and Quality Level A (locating-test holes). 2) Utility Impact Analysis (UIA) - a matrix for utility conflict resolution/avoidance and test hole determination. 3) Data Management. 4) Training – district office training on various utility processes and procedures. Four consecutive contracts were won spanning 13 years. During this time over 100 work orders were completed totaling more than 5,000,000 ft. of designating (QLB) and approx. 1,500 test holes (QLA). 

Dates	Experience And Qualifications Relevant To The Proposed Contract
(1999-2018)	**GDOT – Statewide Master Utility Coordination (UC) Contract (Statewide, GA)** Project management responsibilities included utility coordination from concept through construction, to coordinate the relocations of utilities beginning with the design phase, and continuing through construction until project completion. Stakeholders involved were GDOT, utility owners, the designers, and contractors (for design/build jobs). Scope items included; identifying existing utilities (records research or SUE), coordination with stakeholders, conflict matrix, securing agreements, etc.
(2018-Ongoing)	**Major Mobility Investment Program (MMIP) (Statewide, GA)** Assisted with project management coordination of 8 mega-projects totaling more than $13B. These projects are part of the MMIP for GDOT which started in 2017 and are projected to continue through 2027. Responsibilities included meeting with various utility owners to obtain information such as approximate size, type and location of existing utilities. The primary focus is on major utilities only; individual facilities greater than $1M each. Utility owners contacted were AGL, ATT, Ga. Power, MARTA and major pipeline companies. A 'Risk Assessment Summary' was provided for each of the 8 projects. This document identified pertinent information including the degree of 'risk' as well as costs for relocation.
(2018-Ongoing)	**Southern Company & Georgia Power On-Call Services (SUE/ Survey) (Statewide, GA)** Project Manager providing on-call services for Georgia Power (GP from 2008-present, while also operating as Project Manager on a separate on-call statewide contract with Southern Company Gas (SCG), a natural gas distribution company owned by Southern Company. On both contracts, SUE and Survey services were provided across the state with each site having its own schedule requiring careful planning and a commitment to meeting multiple schedules. The On-Call SUE Contract required managing multiple projects simultaneously in many locations around the State.
(2020)	**I-20 at Savannah River Bridge Replacements (Richmond & Aiken Counties, GA and SC)** Mr. Sanborn was the Project Manager responsible for the subsurface utility engineering (SUE) and utility coordination for the widening and replacement of the I-20 Savannah River Bridge. This project also includes replacing and widening the existing bridges over the Augusta Canal. Challenges included dual coordination with GDOT and SCDOT as well as utility companies in both Georgia and South Carolina. Responsibilities included QLB, QL-A (8 test holes), identifying conflicts, obtaining agreements and coordinating utility relocations.
(2017-2018)	**Courtland Street Bridge, Joseph Boone Blvd. (Atlanta, GA)** Project Manager providing utility locates and utility coordination as well as a utility impact analysis on this extremely important City of Atlanta project. GDOT estimates it sees traffic from thousands of motorists, including more than 30,000 students and staff at GSU. Originally built in 1906, the bridge crosses over two Metropolitan Atlanta Rapid Transit Authority (MARTA) tracks, two CSX Railroad tracks, and Decatur Street. Two of the most important goals for this project were to preserve the historical aspects of the original bridge while also reducing the impact that construction would have on the local community. To further reduce congestion in the area, the new bridge also added a 12-foot bus lane and expanded sidewalks. Total replacement costs were approximately $21 million. GDOT was recognized by the Design-Build Institute of America (DBIA) for exemplary work on this project. Atlas supplemented the existing SUE data with refined QLB and additional test holes. Because the construction schedule was so constricted, utility avoidance was critical. Unknown utilities had to be located and dealt with in a matter of days. Atlas assisted the contractor (CW Mathews) with coordinating each utility with over 10 different owners. Service lines were the contractor's biggest problem. Not only were they not shown on the plans they were non-tonable. LONG designated laterals and performed more than 10 THs on service lines alone.

Firm Employed by	ATLAS			**Accomplishments**
Name	**MIKE GOODMAN**	**Years of Relevant Experience with this Employer**	2	•International Project Manager Certification •Master Project Manager Certification •Certificate of Achievement in Economic •Enhancement-Occupational Skill Development •Certified Project Management Professional •Certified MOT Instructor •Certified Project Risk Manager
Title	**QA/QC**	**Years of Relevant Experience with Other Employers**	30	
Degree / Year / Specialization		Business and Economics; Bluefield State College, 2001 General Studies; John A. Logan College, 1992 Certificate of Completion; US Army PLDC, 1989		
Active Registration Number / State / Expiration Date		NA		
Year Registered	NA	**Discipline**	NA	
Contract Roles / Brief Description of Responsibilities		With over 30 years of experience, Mr. Goodman has performed and managed thousands of SUE and Utility projects utilizing and complying with the PDP and the SUE deliverable checklists throughout Virginia, Maryland, the District of Columbia, North Carolina, South Carolina, and Georgia. He has also managed many DOT contracts in the Southeast spanning Virginia to Florida. His experience includes proposal preparation, CADD Department supervision, scheduling, QA/QC review, pricing, and overseeing the coordination of all designation, test hole, and SUE/Survey crews ensuring that all budgets and deadlines were met or exceeded.		

Dates	Experience And Qualifications Relevant To The Proposed Contract
(2007-2020)	**(GDOT) Statewide Overhead Subsurface Utility** Mr. Goodman was the Project Administrator and Project Manager for the GDOT Statewide SUE Open-End Contract. He was the Project Manager for GDOT highway improvement projects which required designating and test holes throughout this ongoing contract. The InfraMap staff produced consistent, timely, and accurate SUE deliverables for GDOT. The overall contract value was $24 million
(2008-2018)	**United States Navy, NAVFAC Utility Locating and Survey Contract (Norfolk, VA)** Mr. Goodman was the Project Manager, Project Coordinator and primary contract for the Navy Utility Locating contract that started in April 2008. InfraMap was tasked with locating all utilities for five Navy facilities in the Hampton Roads Region of NAVFAC and all Navy facilities within a fifty-mile radius of Norfolk. This Contract also supported Engineering Design and GPS surveys. InfraMap established an additional office on Hampton Boulevard in Virginia Beach, staffing the office with a combination of InfraMap veterans and local new hires with extensive industry experience.
(2007-2018) ; (2021-Ongoing)	**SCDOT Subsurface Utility Engineering (SUE) On-Call Services Contract (Statewide, SC)** Mr. Goodman was the Project Manager, Project Coordinator and primary contact for the SCDOT SUE contract from 2007-2018 managing the Utility Designating, Air/Vacuum Test Ho les, Survey and MicroStation CADD for highway projects throughout the state of South Carolina in support of the SCDOT's pre-design and inhouse design program.

Firm Employed by	ATLAS			**Certifications**
Name	**SEAN BYERS**	**Years of Relevant Experience with this Employer**	4	•Chamber of Commerce •National Utility Locate Contractors Association •American Society of Highway Engineers (ASHE) •American Council of Civil Engineering •Companies (ACEC) •Surveying and Mapping Society of Georgia •Common Ground Alliance
Title	**SUE/SURVEY OPERATIONS MANGER**	**Years of Relevant Experience with Other Employers**	28	
Degree / Year / Specialization		South Cobb High School Robert Goizueta Leadership Certification Leadership North Fulton		
Active Registration Number / State / Expiration Date		NA		
Year Registered	NA	**Discipline**	NA	
Contract Roles / Brief Description of Responsibilities		Mr. Byers has over 28 years of experience in utilities and infrastructure with a focus on subsurface utility engineering discipline. He has led projects throughout the Southeast and Puerto Rico and has an extensive amount of experience in consulting on municipal, transportation, land development, and pipeline initiatives. Additionally, he has managed a wide variety of projects featuring several types of SUE Quality Levels. As a member of the National Utility Locating Contractors Association (NULCA) he has previously served on the planning committee and delivered Keynote address for the annual International Locate Rodeo and is currently serving as Operations Manager for Long Engineering's Subsurface Utility Engineering and Survey Departments.		

Dates	Experience And Qualifications Relevant To The Proposed Contract
(2018-Ongoing)	**Major Mobility Investment Program (MMIP) (Statewide, GA)** Operations Lead assisting with QA/QC and final project deliverables for all GDOT MMIP projects. These are Georgia's largest, most ambitious transportation projects. Atlas has provided SUE/UC and Survey services on 7, demonstrating our capacity to perform on critical, large scale projects that requires intensive project management, multiple field crews working simultaneously, and processing a high volume of utility data in the office.
(2018-Ongoing)	**Southern Company & Georgia Power On-Call Services (SUE/Survey) (Statewide, GA)** SUE/Survey Operations Manager providing on-call services for Georgia Power as well as on a separate on-call statewide contract with Southern Company Gas (SCG), a natural gas distribution company owned by Southern Company. On both contracts, SUE and Survey services were provided across the state with each site having its own schedule requiring careful planning and a commitment to meeting multiple schedules.
(2021-Ongoing)	**GDOT – Statewide Master SUE Contract (Statewide, GA)** This contract included subsurface utility engineering for both underground and above ground utilities. Project management responsibilities included: 1) ASCE 38-02 Quality Level D (records research), Quality Level B (designating), Quality Level C (surveying above ground features and tying into existing records) and Quality Level A (locating-test holes). 2) Utility Impact Analysis (UIA) - a matrix for utility conflict resolution/avoidance and test hole determination. 3) Data Management. 4) Training – district office training on various utility processes and procedures. Four consecutive contracts were won spanning 13 years. During this time over 100 work orders were completed totaling more than 5,000,000 ft. of designating (QLB) and approx. 1,500 test holes (QLA).

Firm Employed by	ATLAS		
Name	**LLOYD HOOVER, PLS, PE, PG**	**Years of Relevant Experience with this Employer**	4
Title	**PROFESSIONAL LAND SURVEYOR**	**Years of Relevant Experience with Other Employers**	48
Degree / Year / Specialization		BS / 1965 / Civil Engineering(Geotechnical)	
Active Registration Number / State / Expiration Date		PE #11968 / LA / 09-30-2023 PLS #1946 / LA / 09-20-2023	
Year Registered	1969 | 1994	**Discipline**	Professional Engineer: Civil | Professional Engineer: Environmental
Contract Roles / Brief Description of Responsibilities		Mr. Hoover has over 50 years of experience in civil engineering, construction materials engineering and environmental engineering, and geotechnical engineering. He has supervised, reviewed or performed work on over 5,000 geotechnical and environmental projects and over 4,000 construction materials projects since 1971. He is a registered professional civil and environmental engineer, professional geoscientist, and professional land surveyor. He has also supervised quality control (QC) for many large construction materials engineering projects.	

MEETING / EXCEEDING MINIMUM REQUIREMENTS

#2 MINIMUM PERSONNEL REQUIREMENTS

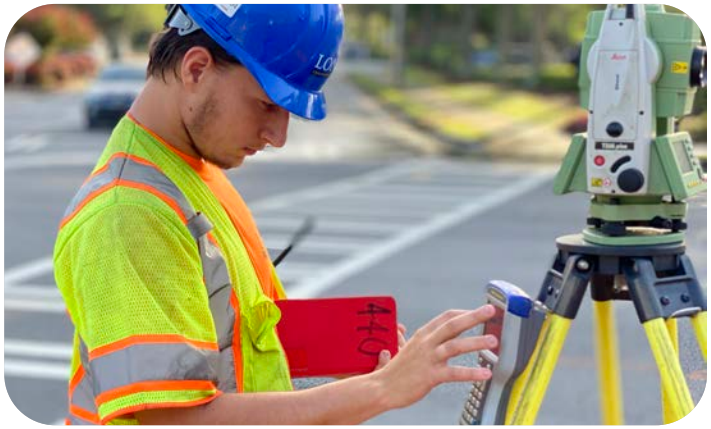
✓ professional land surveyor registered in Louisiana

Experience And Qualifications Relevant To The Proposed Contract

Louisiana Department of Transportation & Development (DOTD) Projects

- I-10 Sorrento to LaPlace. Field Engineer for drilling in McLeRoy Swamps. Set profiles for excavation of muck / sludge Project was awarded Top in Last 100 Years for Highway Projects.
- I-10 Atchafalaya Crossing. Field Engineer-In-Charge of advanced test pile program.
- I-49 Subsurface. Geotechnical Engineer on various projects for I-49.
- Clyde Fant Parkway. Geotechnical engineering and construction materials engineering.
- I-20 Exchange & Overpass in Ruston, LA. Geotechnical engineering.
- Air Cargo Facility. Project Engineer perform geotechnical engineer for the design of airport pavement. Project Manager for field testing and construction materials engineer. Project completed in 2008.
- West Partial Parallel Taxiway Project. Project Engineer performed geotechnical engineering services
- for airport paving. Project completed in 2007. Shreveport Airport Authority was the client.
- Construction Engineering QC Services / Louisiana, Arkansas, Oklahoma, and Texas. Supervising Engineer/ Project Manager responsible for construction engineering QC services at interstate highways, paper mills, landfills, dams, commercial buildings and plants, and military facilities.

Dates	Experience And Qualifications Relevant To The Proposed Contract
(2002 to 2003)	**Fork Polk, Louisiana. Phase I and II** Pavement repairs, pavement rehabilitation, and new construction
(1982 to 2001)	**Commercial National Bank (Shreveport, LA)** Contract value: $10M
(1999 to 2001)	**Commercial Buildings I Parking Areas**
(1999 to 2000)	**New Arena Facility (Bossier City, LA)** Contract value: $23M
(1995 to 2000)	**Hollywood Casino Hotel and Parking Garage (Shreveport, LA)** Contract value: $25M
(1995 to 2000)	**Albertson's Stores, throughout Louisiana** Contract value: $6M
(1995)	**International Paper, #3 Paper Machine & Recycle Facility (Mansfield, LA)**
(1995)	**Horseshoe Casino Parking Garage (Bossier City, LA)**
(1994 to 1995)	**Harrah's Casino (Shreveport, LA)** Contract value: $27M
(1989)	**Caddo Parish Detention Center (Shreveport, LA)**
(1979 to 1980)	**Transcontinental Tower (Shreveport, LA)** Contract value: $30M
(1971 to 1978)	**American Tower (Morgan Keegan) (Shreveport, LA)** Contract value: $15M
(1977 to 1978)	**First Federal Plaza (Shreveport, LA)** Contract value: $10M



Firm Employed by	ATLAS			**Memberships, Skills & Continuing Education**
Name	**JASON GRIFFIN**	**Years of Relevant Experience with this Employer**	2	• International Project Manager Certification • HAZWOPER Certified • 10 OSHA • CPR / FIRST AID • Georgia Power Substation Certified • National Safety Council – • Defensive Driving Course • Smith Safety Driving Course • Locate Excellence Awards
Title	**SUE FIELD SUPERVISOR**	**Years of Relevant Experience with Other Employers**	22	
Degree / Year / Specialization		Graduated Etowah High School 1994		
Active Registration Number / State / Expiration Date		NA		
Year Registered	NA	**Discipline**	NA	
Contract Roles / Brief Description of Responsibilities		Mr. Griffin has more than 24 years of field experience in the utility locating industry. His technical experience began March 1997 as a Damage Prevention Specialist, then moving into supervisory roles over many prominent Georgia counties, then transitioning into a Subsurface Utility Engineering Specialist in the Private Locate Division. Jason has been the lead technician on many prestigious, confidential, high-security, and potentially hazardous jobs with clients at the Federal Aviation Administration (FAA), Military bases (Dobbins AFB, Savannah ANG, Arnold AFB, Moody AFB, Meridian ANG), Nuclear, Chemical, Power, and Manufacturing Plants (Sabic, Watts Bar, Plant Vogtle, Cargill, CPC), Airports (Hartsfield-Jackson, Dekalb, McCollum, Birmingham International), Hospital Sytems (The CDC, Emory, Grady, Kennestone), Universities and Colleges (UGA, GA Tech, Emory, Mercer, Kennesaw State), GDOT Highway Expansion/Express Lane projects, and many more. Mr. Griffin is proficient at designating, running vacuum excavation trucks, running sewer camera rigs, collecting pole data & connectivity, sewer inverts, identifying overhead utilities, and troubleshooting problematic lines.		

Dates	Experience And Qualifications Relevant To The Proposed Contract
(2021-Ongoing)	**GDOT – Statewide Master SUE Contract (Statewide, GA)** SUE Field Supervisor responsibilities included: 1) ASCE 38-02 Quality Level D, Quality Level B, Quality Level C and Quality Level A. 2) Utility Impact Analysis (UIA) - a matrix for utility conflict resolution/avoidance and test hole determination. 3) Data Management. 4) Training – district office training on various utility processes and procedures. Four consecutive contracts were won spanning 13 years. During this time over 100 work orders were completed totaling more than 5,000,000 ft. of designating and approx. 1,500 test holes.
(2021-Ongoing)	**SCDOT – Statewide SUE Contract (Statewide, SC)** Mr. Griffin's role as field supervisor on this contract required setting horizontal project control to North American Datum 1983 (NAD83) and to the North American Vertical Datum of 1988 (NAVD88), providing Quality Level A, B C and D in various combinations, office records research, development of pole tables, preparation of a Utility Impact Analysis (UIA), gravity sewer mapping, and comprehensive utility plans that incorporated a well defined QA/QC process.
(2018-Ongoing)	**Southern Company Gas On-Call Contract (Statewide, GA)** Mr. Griffin's role as field supervisor on this contract is to oversee execution of all field designating and surveying activities for field staff in support of on-call services throughout the state of Georgia for design, integrity verification, construction, and emergency response requests. Utility field designating, records interpretation, field surveying, and quality control checks are a few of his responsibilities in his role with this 3-year on-call contract.

Firm Employed by	ATLAS			Memberships, Skills & Continuing Education
Name	JACOB MEWBOURNE	Years of Relevant Experience with this Employer	2	• International Project Manager Certification • Microstation • Blue Beam • Translore • Polaris • MS Office • Bentley • Georgia Power Substation Certified • CPR/First Aid • 1st place Locate Rodeo- 2018
Title	SUE FIELD SUPERVISOR	Years of Relevant Experience with Other Employers	6	
Degree / Year / Specialization		1 Year of Marketing at Georgia Highlands College		
Active Registration Number / State / Expiration Date		NA		
Year Registered	NA	Discipline	NA	
Contract Roles / Brief Description of Responsibilities		Mr. Mewbourne has almost 8 years of field experience in the utility locating industry. His career started in January 2015 as a Locate Technician. Within 6 months he took a lead role running a large project team. In that position, he managed an average of over 2 million feet of locates per year for fiber installs. He held this position for the next 1.5 years until the company sold. The next 2.5 years Mr. Mewbourne located over a million linear feet working on many high-profile jobs that included the Pine Mountain road widening, Downtown Kennesaw Roundabout, and the Downtown Acworth Roundabout. During the first 6 months of employment with Atlas, Mr. Mewbourne was promoted to SUE Field Supervisor. In this role, Mr. Mewbourne has been a part of multiple DOT Bridge jobs, as well as MMIP Jobs such as GA 400 Interchange and I-285 West Wall. Mr. Mewbourne is proficient at designating, running vacuum excavation trucks, collecting pole data & connectivity, sewer inverts, identifying overhead utilities, and troubleshooting problematic lines. He is experienced with multiple pieces of equipment including Radio Detection (RD), MetroTech, Vivax, and possesses the skills to locate all underground utilities, including but not limited to water, gas, air, steam, chilled water, industrial waste, power, communications, CATV, fiber optics, fuel tanks, force mains, and sanitary sewer.		

Dates	Experience And Qualifications Relevant To The Proposed Contract
(2020)	**I-285 at SR 400 Interchange (Fulton County, GA)** Lead Technician providing Quality Level A & B Subsurface Utility Engineering work for this $800 million project. This project will involve 10.5 miles of roadway and includes rebuilding the I-285/SR 400 Interchange as well as improvements to I-285 west from Roswell Road in Fulton County to east of Ashford-Dunwoody Road in DeKalb County, and improvements to SR 400 from the Glenridge Connector to Spalding Drive.
(2020)	**I-285 East Wall Project (Dekalb County, GA)** This was a 9-mile job that included over 420,000 feet of underground utilities designated and surveyed. Mr. Newbourne help organize crews to complete tasks such as: sewer inverts (over 200), pole data and overhead connectivity (over 1200), and help CAD the job that included pole data table and punch list items.
(2017-2020)	**Emory University (Atlanta, GA)** Mr. Mewbourne was the SUE Field Supervisor for an on-call contract in 2017 for providing Subsurface Utility Engineering (SUE) services. Atlas has been issued 24 plus task orders. that included Quality Level D (records research), Quality Level B (designating and marking underground utilities) and occasionally Quality Level A (test holes). For each task order GPC provided a Limit of Study and scope of work.

Firm Employed by	ATLAS			Memberships, Skills & Continuing Education
Name	JEREMY JONES	Years of Relevant Experience with this Employer	10	• MS Office Products • Adobe • Blubeam • InRoads • MicroStation • Autocadd • TDS • Leica • Carlson
Title	SUE/SURVEY CADD MANAGER	Years of Relevant Experience with Other Employers	9	
Degree / Year / Specialization		Phoenix High School, Lawrenceville, Georgia		
Active Registration Number / State / Expiration Date		NA		
Year Registered	NA	Discipline	NA	
Contract Roles / Brief Description of Responsibilities		Mr. Jones has over 19 years of experience in transportation related land surveying and Subsurface Utility Engineering, 12 of those years with LONG. He spent 10 years of his career as a field surveyor with conventional survey methods and techniques and has followed the advent of automated and robotic equipment to the present. He has also been on SUE field crews where he became proficient with utility designating equipment and locating procedures. This extensive experience allows him to split his time between the field and office for the past 7 years. When in the office he is responsible for preparing database and SUE surveys for major and minor roadway projects and supervises a team of survey technicians. He is proficient with DOT's Automated Survey Manual, Survey Data Engineering Guidelines, Electronic Data Guidelines and general DOT procedures. Mr. Jones has worked on the large MMIP databases, coordinated the data management from multiple firms and multiple field crews to produce a synthesized product.		

Dates	Experience And Qualifications Relevant To The Proposed Contract
(2021-Ongoing)	**GDOT – Statewide Master SUE Contract (Statewide, GA)** SUE CADD Manager responsibilities included: 1) ASCE 38-02 Quality Level D, Quality Level B, Quality Level C and Quality Level A. 2) Utility Impact Analysis (UIA) - a matrix for utility conflict resolution/avoidance and test hole determination. 3) Data Management. 4) Training – district office training on various utility processes and procedures. Four consecutive contracts were won spanning 13 years. During this time over 100 work orders were completed totaling more than 5,000,000 ft. of designating and approx. 1,500 test holes.
(2021-Ongoing)	**SCDOT – Statewide SUE Contract (Statewide, SC)** This contract required setting horizontal project control to North American Datum 1983 (NAD83) and to the North American Vertical Datum of 1988 (NAVD88), providing Quality Level A, B C and D in various combinations, office records research, development of pole tables, preparation of a Utility Impact Analysis (UIA), gravity sewer mapping, and comprehensive utility plans that incorporated a well-defined QA/QC process.
(2020)	**Georgia Ports Authority (Savannah, GA)** SUE/Survey Field Lead responsible for providing the subsurface utility engineering services for utility locates on this project for the Georgia Ports Authority. Services provided included Quality Level D (QLD), records research, and Quality Level B (QLB), designating and locating underground utilities using ground penetrating radar (GPR). Field sketches of the QLB were provided to HGB to use as a QA/QC tool for survey and CAD. LONG began on site 3, and finished on site 1.

Firm Employed by	ATLAS			**Memberships, Skills & Continuing Education**
Name	**BRANDIE HARRIS**	**Years of Relevant Experience with this Employer**	5	• MicroStation • MC Office • TransLore • Polaris
Title	**SUE RECORDS ANALYST**	**Years of Relevant Experience with Other Employers**	5	
Degree / Year / Specialization		3 Years Early Childhood Education/Biblical Studies at Atlanta Christian College 1 Year of Marketing at West Georgia Technical College		
Active Registration Number / State / Expiration Date		NA		
Year Registered	NA	**Discipline**	NA	
Contract Roles / Brief Description of Responsibilities		Mrs. Harris has 10 years' experience in the Utility Engineering industry. Since the start of her career, Mrs. Harris has worked in both the public and private sector from projects related to residential through Georgia Department of Transportation (GDOT) projects. Since her employment with Long Engineering (LONG), she has been a part of multiple private projects, GDOT bridge projects, and Major Mobility Investment Program (MMIP) projects such as Ga 400 Express Lanes and I 285 West Interchange.		

Dates	Experience And Qualifications Relevant To The Proposed Contract
(2018-Ongoing)	**MMIP I-285 Top End Express Lanes Project – PI#0001758 Cobb & Fulton County. GA** Ms. Harris has served as a SUE Records Research Analyst on many of the GDOT Major Mobility Investment Program (MMIP) projects. She used the approved limit of study to research potential utility companies that may have utilities in the area, coordinated with them and obtained all relevant mapping. She then provides the mapping to the SUE field crews and checks the field sketches with the mapping she obtained. So far she has worked on 1) SR 400 Express Lanes, 2) I-285 at I-20 Westside Interchange, 3) I-285 Eastside Express Lanes, 4) I-75 Commercial Vehicle Lanes, and 5) I-285 Top-End Express Lanes
(2019-2020)	**Georgia Ports Authority Savannah, Georgia** Ms. Harris served as a SUE Records Research Analyst on this project for the Georgia Ports Authority. With three different sites included in the scope, the goal was for LONG to provide services in a manner that allowed the team to avoid as many utility conflicts as possible. This risk avoidance process saved the Port hundreds of thousands of dollars in relocation costs. SUE Services provided included Quality Level D (QLD), records research, and Quality Level B (QLB), designating and locating underground utilities using ground penetrating radar (GPR).
(2018-Ongoing)	**Bridge Bundle #3 (2016 - Contract 11) Atlanta, GA** Ms. Harris served as a SUE Records Research Analyst on this contract that consisted of 3 Bridge Replacement projects in Coweta, DeKalb, & Spalding Counties, Georgia (PI0013930, PI0013991, and PI0013928). All three bridges were in urban areas with utility congestion and on high-traffic volume roadways requiring a high level of utility locating and adherence to Atlas' stringent safety protocols. This required extensive coordination with the client and all utility companies in the area and a strong implementation of our QA/QC between our SUE Records Analyst, our SUE filed crews, and the lead CADD Tech to ensure all marked field locations were included in the plans. Final quantities included 27,000 feet of designated utilities (QL-B), 50 conflict resolutions, and 45 test holes (QL-A).

DOTD FORM 24-102

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.

PLEASE SEE RELEVANT PROJECTS ON THE FOLLOWING PAGES.

Firm Name	ATLAS	**Past Performance Evaluation Discipline**	Survey, SUE (Other)
Project Name	**GDOT STATEWIDE ON-CALL (SUE) CONTRACT**	**Firm Responsibility**	Prime
Project Number	TOOUT2101609	**Owner's Name**	Georgia Department of Transportation (GDOT)
Project Location	Statewide, Ga	**Owner's Project Manager**	Aisha Moultrie
Owner's Address | Phone & Email	600 W Peachtree St NW, Atlanta, GA 30308 | (404) 631-1360 | amoultrie@dot.ga.gov		
Services Commenced by Firm	2021	**Total Consultant Contract Cost ($1,000s)**	$6M
Services Completed by Firm	Ongoing	**Cost of Consultant Services Provided by Firm ($1,000s)**	$1M to date (Ongoing)

The Georgia Department of Transportation awarded Atlas the Overhead/SUE On-Call Contract in 2021 that is a 3-year contract with the option to extend an additional 2 years. The initial Task Order for $1,000,000 was issued in October 2021 and to date 20+ job orders have been issued and completed. Atlas has provided Subsurface Utility Engineering (SUE) on over 150 state routes and interstates throughout Georgia. Each assignment required close coordination and communication with the State Office of Utilities to identify scope, schedule and man-hours to complete it. Upon authorization to proceed we set horizontal project control to North American Datum 1983 (NAD83) and to the North American Vertical Datum of 1988 (NAVD88), Quality Level A, B C and D were performed in various combinations, office records research performed by our full-time Records Analyst, pole tables, preparation of a Utility Impact Analysis (UIA), gravity sewer mapping, prepared comprehensive utility plans and a thorough QA/QC.

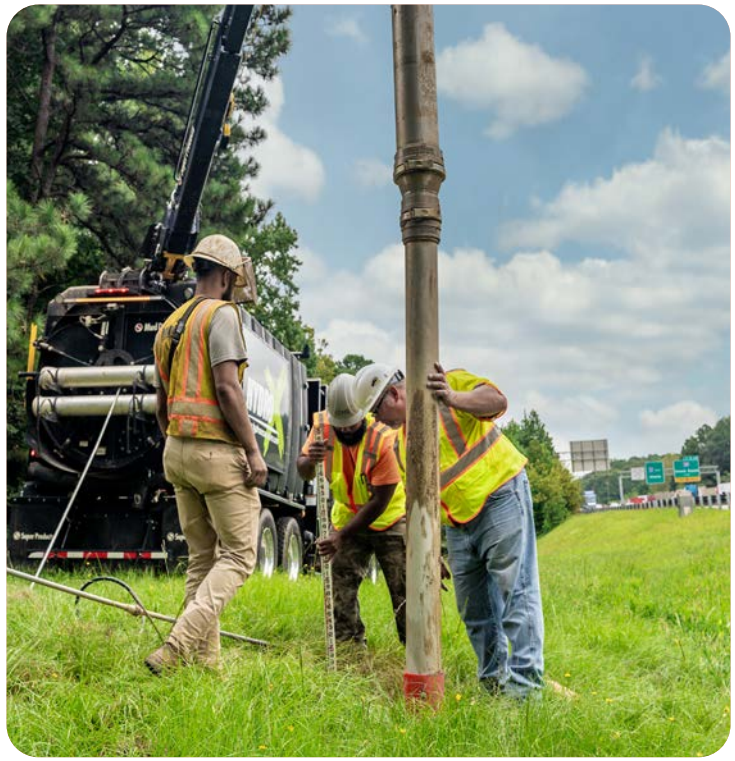
Atlas has 3 individuals that have been past Project Managers for this contract (1999-2021) providing extraordinary project management and QA/QC experience. Below are a few job orders that have been completed on the current contract to date:

- South Rome Bypass from SR 1 along Booze Mountain Rd. to SR 101 at CR 96 – QL-B and 29 QL-A test holes.
- State Funded Design-Build Bridges –6,530 feet of QL-D (records research) for 6 different bridge locations.
- SR 98 at SR 164 Roundabout – 15,900 feet of QL-B and pole table for 50 utility poles.
- SR 3/US 19 @ SR 138 SPUR – QL-D, QL-B on 21,750 feet of utilities, pole table for 48 utility poles and measured 18 sanitary sewer manholes.
- CR 372/Waters Road at Mill Creek Bridge Replacement - QL-D), QL-B on 6,700 feet of utilities, pole table for 12 utility poles and measured 10 sanitary sewer manholes.
- SR 219 at CR 407/Bartley Road - QL-D, QL-B on 13,000 feet of utilities and pole table for 32 utility poles.
- SR 280 at CS 2645/Northwest Drive – Provided 4 test holes (QL-A).
- SR 200/Town Creek Road at Tasnatee Creek Bridge Replacement - QL-D for 9,250 feet of utilities and pole table for 18 utility poles.
- SR 17 from CR 147/Five Forks Road to Royston Bypass - QL-D, QL-B on 218,000 feet of utilities (for prior client) and prepared a Utility Impact Analysis and Conflict matrix.

Firm Name	ATLAS	**Past Performance Evaluation Discipline**	Survey, SUE (Other)
Project Name	**SCDOT STATEWIDE ON-CALL (SUE/SURVEY) CONTRACT**	**Firm Responsibility**	Prime
Project Number	0039	**Owner's Name**	South Carolina Department of Transportation (SCDOT)
Project Location	Statewide, SC	**Owner's Project Manager**	Marvin H. Dawson III, PLS
Owner's Address | Phone & Email	955 Park Street P.O. Box 191 Columbia, SC 29201 | dawsonmh@scdot.org | (803)-737-2047		
Services Commenced by Firm	2021	**Total Consultant Contract Cost ($1,000s)**	$2M
Services Completed by Firm	Ongoing	**Cost of Consultant Services Provided by Firm ($1,000s)**	$173K

The SCDOT awarded Atlas both the On-Call SUE and Survey Statewide Contracts in the fourth quarter of 2021. We have already started task orders for both contracts.

Mike Goodman was the Project Manager, Project Coordinator, and primary contact for the SCDOT SUE contract from 2007-2018 managing the Utility Designating, Air/Vacuum Test Holes, Survey, and MicroStation CADD for highway projects throughout the State in support of the SCDOT's pre-design and inhouse design program. Our team is very knowledgeable with the SCDOT Preconstruction Survey Manual, SCDOT Subsurface Utility Engineering CADD Development Manual, ASCE Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data and the SCDOT Utilities Accommodation Manual. We are committed to excellence, efficiently utilizes subconsultants, managing multiple projects simultaneously, ensuring that all QA/QC processes are followed rigorously, and meticulously track project budgets and standardized invoicing procedures in accordance with State requirements.



Firm Name	ATLAS	**Past Performance Evaluation Discipline**	Survey, SUE (Other)
Project Name	**MAJOR MOBILITY INVESTMENT PROGRAM (MMIP)**	**Firm Responsibility**	Subconsultant
Project Number	0544	**Owner's Name**	HNTB/Georgia Department of Transportation (GDOT)
Project Location	Multiple Counties, GA	**Owner's Project Manager**	Michael Nader
Owner's Address | Phone & Email	191 Peachtree Street, Suite 3300, Atlanta, GA 30303 | 404) 946-5700 | mnader@HNTB.com		
Services Commenced by Firm	2018	**Total Consultant Contract Cost ($1,000s)**	$500M
Services Completed by Firm	Ongoing	**Cost of Consultant Services Provided by Firm ($1,000s)**	$8.25M

The MMIP projects are Georgia's largest, most ambitious transportation projects. Of the 11 MMIP projects, Atlas has provided SUE services on 6 of them, demonstrating our capacity to perform SUE/UC on critical, large scale projects that requires intensive project management, multiple field crews working simultaneously on a project and processing a high volume of utility data in the office.

- Georgia 400 (SR 400) – 14 miles on SR 400, 350,000 linear feet of designated utilities (QL-B), 200 sanitary sewer manholes and 750 poles. Atlas also managed the storm drainage inspection that utilized a CCTV robot crawler to inspect 319 manholes, 869 inlets and 107,000 feet of 18" -48" inch diameter pipe. Included QLA, UC, conflict matrix and utility costs.
- I-285 / I-20 Interchange - 400 foot wide, 8.5 mile long corridor along I-20 and a 2.7 mile long corridor north on I-285. Services included Quality Level D (utility records research), Quality Level-B (designating and marking underground utilities) data on high risk utilities crossing I-20 / I-285 and utilities hanging on existing bridges. Included conflict matrix and utility costs and coordination.
- I-75 Commercial Vehicle Lanes (CVL) - 41 mile long I-75 corridor and 13 miles of ramps, frontage roads and side streets that included 118 miles of utilities. These services included QL-D and QL-B. Atlas provided Utility Coordination that included coordination with all utility companies, preparation of a Preliminary Utility Conflict Matrix, identification and defining utility adjustments and relocation requirements, preparation of a utility relocation cost estimates and schedules and railroad coordination and agreements.
- I-285 Eastside - Provided SUE services for a 400-foot-wide, 16.4-mile-long corridor along I-285 that included QL-D and QL-A Utility Coordination (UC) with 15 utility companies, QL - B on 417,000 linear feet of utilities, 150 sanitary sewer manholes were surveyed and located, and developed a pole data table for 693 utility poles. A utility composite drawing and conflict matrix was prepared and each utility company was coordinated with.
- I-285 Top End – Atlas provided SUE services for this 5-mile-long section of I-285. The SUE portion included more than 211,200 feet of designating (QLB) and mapping of utilities.
- I-85 from I-985 to SR 53 - Atlas provided the Survey services, with Randy Sanborn, PE assisting as Atlas' project manager on the contract.
- I-85 (Phase I & II) - Atlas provided the Survey services, with Randy Sanborn, PE assisting as Atlas' project manager.

Firm Name	ATLAS	**Past Performance Evaluation Discipline**	Survey, SUE (Other)
Project Name	**SOUTHERN COMPANY GAS ON-CALL (SUE/SURVEY) CONTRACT**	**Firm Responsibility**	Prime
Project Number	59294	**Owner's Name**	Southern Company Gas
Project Location	Various Locations, Southeast	**Owner's Project Manager**	Todd Cape
Owner's Address | Phone & Email	10 Peachtree Pl NE, Atlanta, GA 30309 | (404) 584-4518 | tcape@southernco.com		
Services Commenced by Firm	7/31/2019	**Total Consultant Contract Cost ($1,000s)**	$3M
Services Completed by Firm	Ongoing	**Cost of Consultant Services Provided by Firm ($1,000s)**	$700K

Atlas was awarded the 2021-2024 Engineering Services Provider on-call contract with Southern Company Gas (SCG). Services provided have included both survey and Subsurface Utility Engineering (SUE).

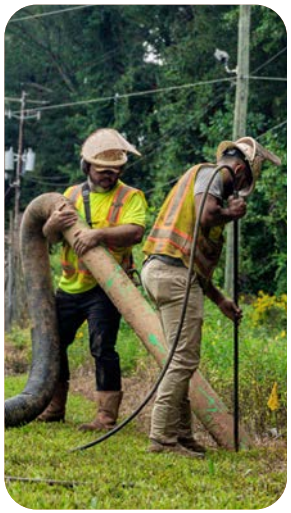
Our contract with Southern Company applies to all their subsidiaries companies such as:

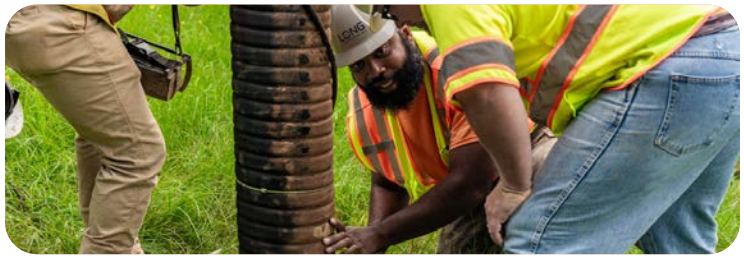
- Southern Company Gas
- Virginia Natural Gas
- Georgia Power
- Nicor Gas
- Alabama Power

Our team has successfully more than task orders to date for this on-call contract.
All task orders included extensive coordination with the client, drug testing of all field personnel, utility records research, locating and marking utilities, completing test holes, running GPR units, surveying of utility markings and physical features and preparation of a utility plan for the area of interest.

Work orders have been primarily for QLB and QLA services. We have received multiple assignments from this contract. On most occasions, time is of the essence. SCG has very demanding and challenging schedules. Coordination and communication with our (2) subconsultants (Hydro-X and AWP) to assist with Test Holes (THs) - Quality Level-A and traffic control, was one of the keys to our success. On both contracts, Atlas has provided SUE/Utility Locating and Survey services in the Southeast with each site having its own schedule requiring careful planning and a commitment to meeting multiple schedules.

The On-Call SUE Contract required managing multiple projects simultaneously in many locations around the Southeast. We have been successful managing this contract with key involvement from our dedicated project manager, reliable field crews, and a devoted office management team.





Firm Name	ATLAS	**Past Performance Evaluation Discipline**	Survey, SUE (Other)
Project Name	**MERCEDES-BENZ STADIUM**	**Firm Responsibility**	Subconsultant
Project Number	0337-0020	**Owner's Name**	Darden & Company
Project Location	Atlanta, GA	**Owner's Project Manager**	Matt Dale
Owner's Address | Phone & Email	1000 Circle 75 Parkway Ste. 700, Atlanta, GA 30309 | (404) 719-5126 | mdale@dardencompany.com		
Services Commenced by Firm	2017	**Total Consultant Contract Cost ($1,000s)**	$1.6M
Services Completed by Firm	2019	**Cost of Consultant Services Provided by Firm ($1,000s)**	$487K

Developed by the Atlanta Falcons Stadium Company, LLC and owned by the Georgia World Congress Center, the $1.6 billion, 2 million square foot Mercedes Benz Stadium project included iconic architecture, a retractable roof, permanent seating for 71,000 for National Football League games, including luxury suites and other premium seating opportunities, 7 restaurants and two parking decks with accommodations for 21,000 vehicles.

LONG provided land surveying services for over 4 years. Initially, LONG prepared a preliminary boundary survey, aerial mapping and utilities for the 45 acre North Site north of the Georgia World Congress Center and then provided this same service for the 33 acre South Site south of the Georgia Dome. When the South Site was selected by the Atlanta Falcons as the site for their new stadium, LONG performed a complete field run boundary, topographic, utility and tree survey of the site, prepared right of way abandonment plats for the 7 roadways to be removed or relocated, individual boundary surveys used to acquiring the many parcels that made up the property, a consolidation plat combining these parcels and an ALTA/NSPS boundary survey of the entire property.

LONG staked geotechnical bore holes, provided construction staking of the stadium including the mega-columns, two parking decks and Home Depot Back Yard tailgating lot and the Falcon's statue. During construction of the retractable roof, LONG spent 6 months surveying the exact location of targets on the roof truss members for use by the structural engineer to determine if deflections were within tolerance and designing additional support when they were not.

Services provided:

- Land Surveying
- Subsurface Utility Engineering (SUE)
- Utility Coordination & Design
- Construction Staking
- Civil Engineering/Site Design

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.

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OUR QUALIFICATIONS

Atlas' Southeast Division, of which Louisiana is a part, employs 850+ people including civil engineers, bridge engineers, traffic engineers, utility engineers, land surveyors, and support staff. Under the survey and utility headings we have professional utility engineers, professional land surveyors, survey and SUE field crews, office design techs, SUE utility designators, and utility records research specialists who together provide the full complement of staff needed to provide comprehensive survey and SUE services to clients across the southeast. **Atlas is currently contracted as the prime consultant on statewide On-Call SUE and/or survey contracts spanning the Southeast such as Georgia DOT, Alabama DOT, and South Carolina DOT**. Our SUE/Survey staff has a wealth of knowledge working on some of the largest contracts in states ranging from VA (VDOT) to TX (TXDOT). Locally **we have been selected to provide SUE services for the Port of South Louisiana** and we are eager to prove our value on SUE/Survey-related services for LADOTD.

Atlas and its legacy firms have been providing survey/SUE services for more than 25 years on some of the most high-profile and challenging projects in the region. Our SUE department historically works on about 70% public-sector projects and 30% private-sector projects. As a result, **we understand the public procurement process in which task orders are issued under master on-call contracts**. We also understand the contractual documentation that is necessary; insurance and standard of care requirements; the need for an accounting system that complies with Federal Acquisition Regulations (FAR); and the importance of following the other regulations and requirements required for doing work with state DOTs.

From a task order delivery perspective, Atlas will not require any subconsultant or additional support services for this contract and can accomplish all of LADOTD's assignments with in-house staff. **The firm and professional personnel are registered and in high standing with the Louisiana professional engineers licensing board**. Our Louisiana footprint now includes offices in Baton Rouge, Lafayette, and Shreveport with 2 more opening soon in Lake Charles and New Orleans. **In summary, we can tackle the largest and most complex subsurface utility engineering assignments and have the personnel, experience, and equipment to perform the work on time and budget**.

KEY PERSONNEL

- Our **Project Manager** and your main point of contact is **Sammy Powell, PE**: Sammy uniquely understands the scope and demands of on-call SUE contracts including the effort it will take to meet LADOTD's expectations for responsiveness and quality.
- Our **Contract Manager** is **Brandon DeJean, PE, PTOE**: Brandon brings **over a decade of dedicated experience with the LADOTD** and was instrumental in the development and implementation of many policies and procedures. He is extremely familiar with LADOTD standards and protocols.
- Our **SUE Lead** is **Randy Sanborn, PE**: Randy is our regional SUE Lead and the Subject Matter Expert (SME) on utility related engineering for our southeast region and will lead our SUE team efforts. **Randy is widely recognized as an industry expert in SUE and teaches courses for ACEC on the subject**. Randy will be responsible for coordinating with Sammy, Brandon and Lloyd on technical issues, meeting schedules, field staff allocation, and assisting with cost estimates. **He has managed large statewide on-call SUE contracts throughout the Southeast for DOT clients in GA, SC, FL, and NC**. Randy's impact to the industry includes developing consistency among SUE providers by introducing unit costs for large Statewide SUE contracts. He was also **instrumental in assisting several clients' entry into SUE by helping develop policies, procedures, and checklists; including line-styles, pole data, and test hole forms**. He has **managed over 500 individual SUE contracts**, totaling **more than $20M in revenue**, **1,500+ miles of utility locates**, and **3,600+ test holes**.
- Our **Lead Surveyor** is **Lloyd Hoover, PLS, PE**: Lloyd brings **decades of LADOTD experience to the table and holds Louisiana licenses in both engineering and surveying**. Lloyd's skills and background will be a key contributor to the success of this program.
- Our **QA/QC Lead** is **Mike Goodman, MPM, CIPM, CPRM**: Mike Goodman will serve as our QA/QC lead. Mr. Goodman has **performed and managed thousands of SUE and Utility projects including many DOT contracts in the Southeast spanning Virginia to Florida**. His experience includes project management, CADD Department supervision, scheduling, QA/QC reviews, pricing, and overseeing the coordination of all SUE/Survey crews ensuring that all budgets and deadlines were met or exceeded.
- Our **SUE Supervisors**: Our SUE supervisors, Jason Griffin and Jacob Mewbourne, have an in-depth understanding of the utility arena and are responsible for training and advancement of our junior level field staff. Additionally, t**heir industry expertise and previous experience on statewide DOT SUE contracts will aid in resolving complex field issues that might arise**.
- Our **Utility Records Analyst** is **Brandie Harris**: Brandie and her group track all collected research including affected utility owners and responses provided within our proprietary records research database. **This is a critical step in the SUE process and essential for accurate deliverables**. The documentation begins at NTP for each project and is continually updated throughout the life of the project to ensure the highest levels of accuracy and completeness of data. Their sole responsibility is to coordinate with utility companies, secure their utility records, provide these to our field staff, coordinate with survey data, and review preliminary deliverables to ensure records are properly presented in the deliverable.

EQUIPMENT

Our SUE crews utilize the latest GPR, telecom toner and wand and electromagnetic locating equipment capable of both passive and active detection. If test holes are needed, they are accomplished with one of our four vacuum excavation trucks. Each crew is outfitted with the latest technology to facilitate a quick and accurate work product. The crews are equipped with a current-model work truck with amber safety and strobe lights, a laptop for field sketching/drafting, designating equipment (Radio Detection, Metro Tech and Vivex), total-station survey equipment, a GPS unit; and a ground penetrating radar (GPR) unit.

With this equipment each SUE field crew can designate and mark the location of the utilities then survey utility locations while on site. Unique to Atlas, all SUE field crews also have MicroStation Power Draft on their laptops where they can view utility drawings and prepare field sketches that are sent directly to the office for CADD drafting. They can also receive KMZ's of the Limits of Study. All equipment is kept in optimum working order with detailed records on the history of calibration and maintenance. These workflow enhancements increase efficiency, save time, and reduce errors. This is a very efficient process that inherently reduces errors and improves quality.

SURVEY EQUIPMENT LIST	QUANTITY
Total Station	32
Digital Levels	3
Data Collector	61
Digital Mapping Workstations	9
GNSS Receivers and Data Collection Sensors	7
SUE EQUIPMENT LIST	**QUANTITY**
Designating Equipment: Pipehorn, Metrotech, Vivax, RD, etc.	52
GPR Equipment	5
Vac Trucks	4
Utilivac	2
SOFTWARE	
AutoCAD Civil 3D by Autodesk	46
Bentley Software Suite/ Product Lines *OpenRoads Designer; Microstation InRoads; GeoPAK; OpenUtilities Designer; LumenRT; ProjectWise; Etc.*	16
Carlson SurvCE	4
Trimble Access	2
Trimble Business Center	2
MicroSurvey STAR*NET	2
Leica Infinity	2
Leica Captivate	4
Pix4D Survey	1
StarNet Least Squares	3
Geo Pak	16
ProjectWise	16

SUBSURFACE UTILITY ENGINEERING Services

Atlas' technicians are experienced in utility record research, designating, and locating techniques to reasonably estimate the utilities in a project corridor and compile mapping. Utilities are field designated, surveyed, and mapped giving our clients accurate data to incorporate into design documents. Crews also perform non-destructive test holes utilizing vacuum excavator trucks, providing accurate vertical location as well as horizontal locations on underground utilities. Our understanding of the required services and approach to the four industry-defined "Quality Levels" are outlined below.

- **Quality Level D (QL-D)** generates the most basic data and utilizes the data obtained by our existing records research group for visually observed utility features. QL-D does not include field survey work. Where there are discrepancies, observed utility features with no corresponding records for instance, our lead utility records analyst will coordinate with the utility company to resolve their utility presence and approximate location. Atlas has performed QL-D SUE services for many of the firms with which you are familiar. An example is a coastal bridge replacement under design by Michael Baker International. We identified six utility providers with utilities within the 3,400' long x 75' wide corridor, obtained utility records from them, and prepared utility drawings for the ten utility lines that were located within the Limit of Study.
- **Quality Level C (QL-C)** is a step up from QL-D. For QL-C our analysts will perform the background research and field survey crews will then locate all visible surface utility infrastructure within the Limits of Study. This includes visible (above ground) utility components such as manholes, power poles, valves boxes, clean outs, transformers, electrical vaults, and fire hydrants. This field data is then correlated with the information obtained by our existing records research group.
- **Quality Level B (QL-B)** involves enhancing QL-C information by using geophysical prospecting techniques and equipment to determine the existence and approximate horizontal location of all underground utilities within the project limits. The "designating" task is typically done with specialized equipment and results in the paint markings or flags that are commonly seen at project locations and residential neighborhoods when utility work is underway. Atlas provided SUE services for the $500m I-20/I-285 west interchange in

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- Atlanta in support of a major realignment and reconstruction project. The SUE services included 203,198 LF of QL-B, 261 poles with 79,855 LF of aerial utility lines, 67 light poles, 151 traffic control poles, 163 sanitary sewer manholes, and 21 utility companies encompassing 471 acres. This was an enormous undertaking that took multi-level project management, field coordination, accurate and thorough field investigations, data processing, QA/QC reviews, and utility drawing preparation.
- **Quality Level A (QL-A)** results in the highest level of accuracy and involves the full use of subsurface utility engineering services. Information is gathered from exposing and measuring subsurface utilities at specific points in order to determine the precise location of existing utility facilities. Atlas is equipped with 4 Paradigm vacuum excavation trucks (air and water) and 2 HydroVac vacuum excavation units (Utilavac) which allow our crews to perform test holes excavation and physically locate the exact horizontal and vertical location, size, type, and material of specific underground utilities that are first located using QL-B. The Utilavac is a smaller system used in hard to access situations. It is a mobile unit, designed for test holes that are shallow, few in number, and when workspace is limited such as a narrow roadway shoulder. All test holes will be minimally invasive and of the smallest diameter feasible. Once the test hole has been completed, the exposed underground utility is identified, measured, and surveyed. Crews use the standard Test Hole Report Form to document all details of the utility, depth from top of hole, when in paved areas the type and thickness of the pavement, the configuration of multiple utilities or duct banks, the general condition of the utility, and any unexpected condition such as high ground water, heavy organics in the soil, petroleum smell, etc.



Project Approach

Our project team will work in tandem with LADOTD personnel to scope the work, establish project requirements, determine the needed quality level, negotiate the fee, develop a schedule, and complete all contracting paperwork prior to receiving the NTP.

For most projects, the first order of business is to provide records research (QL-D) which will involve the use of Louisiana One-Call notification to identify the utilities present as well as obtain owner information. Owners are contacted and records are requested. Information obtained is typically the approximate location, size, and type of each utility. This information is then plotted on plans or a Google earth image and submitted as a deliverable. QL-D data is generally required for concept development and identifies the approximate location of major utilities. This allows project designers the ability to plan around major utilities that might be unusually expensive to relocate.

As the project progresses and survey data is obtained, QL-C can be initiated. Record information is tied to utility appurtenances that have been surveyed and transferred to the plans. QL-C data is more accurate than QL-D because the utilities are tied to physical features. This phase of SUE generally occurs at preliminary plans when the survey data becomes available.

Designating (QL-B) can begin during the records research process and is generally provided for the preliminary design phase. Record plans are used to give the field crews an initial starting point for designating the underground utility locations. QLB can include sanitary sewer inverts and connectivity and if needed. Survey control is required prior to any surveying activities. The end product of QL-B gives designers a good idea of the location of underground utilities.

Once QL-B is complete, we can provide a Utility Impact Analysis (UIA). Two items are required for this activity: 1) QL-B must be complete and 2) the design must be advanced to the point of knowing things like the final footprint, cut/fill limits, bridge locations etc. Items like drainage and cross sections should be shown in order for the UIA to be complete. The UIA identifies utility conflicts as well as the need for test holes to nail down facility location in specific areas. Conflicts will be present whenever a proposed design feature crosses the path of an existing utility. For this project, most of the conflict points will be where proposed drainage and bridge piles impact existing utility lines. UIAs are generally performed during the final design phase and prior to QL-A test holes.

If the UIA identifies conflict zones, or the designers need more accurate location data to complete the design, then QL-A test holes can be done to physically expose and survey the facilities in question.

SUE Deliverables: Atlas will perform all work in accordance with the ASCE Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data (CI/ASCE 38-02). Atlas provides in-house training and refresher courses for all SUE field and office personnel. The delivery of the final product is the last step and the culmination of utility research, a combination of QL-D to QL-A investigation, field QA/QC reviews by a SUE field manager, and review by a licensed surveyor. The utility drawings will be delivered in an electronic format as determined by LADOTD. We will use available seed files to establish standard CADD settings and spatial settings and include all relevant information such as:

- Location of the utilities
- Ownership information, type, and size of each utility
- Utility master contact list
- Manhole rim elevations, inverts in and out
- Sewer appurtenances, lift stations, drop manholes, vents, and force mains
- Water appurtenances, underground vaults, vents, and curb stops.
- Dry utility vaults, pull boxes, manholes, drop down transformers, and other providers attached to all overhead utility line poles
- Unknown utilities encountered during investigation, including all appurtenances

SURVEYING SERVICES

Atlas has been in the survey business since our inception with legacy firms having delivered thousands of surveys over the last three decades. We have built a solid foundation, continuously providing the best services and capabilities that are oriented to accuracy, precision, and thoroughness. Our survey work includes providing services for utility locations as well as for roads, parks, sidewalks, storm water facilities, property acquisition, airports, and commercial developments. Our survey services will include all applicable document development (deeds and plats for right of ways, fee simple, & easements), as well as a high-level of deed research to determine actual boundaries and ownership of both public, private, authority, and utility property. Our team is familiar and experienced with all technical aspects of the following surveying services including setting project survey control and horizontal alignment based on the Louisiana State Plane Coordinate System, (NAD-83).

TYPICAL PROJECT SCHEDULE

Month	1				2				3				4				5			
Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Scoping Meeting	X																			
Fee Negotiations - Includes Limits of Study (LOS)																				
Task Order Execution and Notice-to-Proceed			X																	
Internal Kick-Off Meeting				X																
Office - Existing Records Research																				
Field - Designation of Underground Facilities (QL-B)																				
Field - Sanitary Sewer Inverts																				
Field - Pole Inventory (Pole Data Table)																				
Field - Survey of Visible and Underground Facilities																				
Office - Plan Preparation																				
Office - Utility Impact Analysis (UIA)																				
Office - Test Hole Planning Meeting																X				
Field - Test Hole Excavation & Survey (QL-A)																				
Office - Plan Updates																				
Office - QA/QC																				
Field - Final QAQC																				
Delivery of Final Product																			X	

Project Scope Assumptions

- 1 mile Project
- Urban setting
- Includes QL-B, UIA, and QL-A
- QL-B: 7 Utilities
  - o 5,280 Ft x 7 utilities = 36,960 Ft of Utilities
  - o Production Rate = 2,500 Ft / Day
  - o 36,960 Ft / 2,500 Ft per Day = 15 Field Days
- 20 SS Manholes at 8/Day = 3 Days
- Pole Data Table:
  - o 50 Poles at 20 Poles per Day = 3 Days
- Utility Impact Analysis:
  - o 10 Utility Owners
- QL-A: 11 THs at 3 Holes per Day = 4 Days
  - o No traffic control included

QUALITY CONTROL

Atlas has a robust QA/QC process to review all deliverables prior to delivery to the client. The drawings will be reviewed for technical accuracy and completeness. Our CADD Manager is responsible for ensuring that each drawing complies with drawing standards, drawing organization, clarity, and conformance with owner requirements. Our drawings are typically delivered to the client in their basic state (AutoCAD or MicroStation) and PDF for the end user that may not be proficient with those delivery platforms.

1. **Establish Limits of SUE (LOS)** with LADOTD at the preliminary Scoping Meeting.
2. **A project kickoff meeting is held** to ensure that office and field staff clearly understand the LOS, scope, and schedule.
3. **Conflicts are identified** by our ***Existing Records Analyst*** who receives the completed field sketches and compares them with utility records received.
4. **Field supervisors check utility drawings** generated in the field against utility markings and physical utility features.
5. **Utility Plan Reviews are conducted** utilizing Bluebeam sessions as part of an independent peer review for conformance with the SUE. Deliverable Checklist and EDG standards.
6. **A list of corrections is generated** from steps 3, 4, and 5, and additional field or office work is performed to address any comments.
7. **A "2-person" pole check is performed** with one tech reviewing the pole data table and another reviewing plans as they crosscheck each other.
8. **All technical aspects are checked** by ***by Lloyd Hoover, LA PLS, PE, CP.*** He will review all utility plans to ensure accuracy and completeness.
9. **Final deliverables are submitted** and reviewed to ensure compliance with all with all LADOTD's standards & checklist items. Upon their approval, the final plans will be signed by a licensed/ registered LA PE and/or PLS, sealed, and delivered to the department's Utilities Office.

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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.

* 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

Firm	Past Performance Evaluation Discipline(s) *	State Project Number	Project name	Remaining Unpaid Balance**
Atlas Technical Consultants	Planning	H.013284	MRB SOUTH GBR:LA 1 TO LA 30 CONNECTOR ROUTE	$218,267

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

Louisiana Professional Engineering and Land Surveying Board

License Information

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

Name:	Address:
Mr. Edwin Howard Gratton	2450 Commerce Avenue, Suite 100 Duluth, Georgia 30096

License/Certificate Information

License	Status	First Issuance Date	Expiration Date	Listed Discipline(s)
PE.0043534	Active	06/07/2019	09/30/2023	Civil Engineer

View Pocket Card

If you need to change your contact information, click the link below to update your contact info online:
Online Contact Info Update (User ID/Password required)

9643 Brookline Avenue | Suite 121 | Baton Rouge, LA 70809-1433
225-925-6291 | Fax 225-925-6292

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Louisiana Professional Engineering and Land Surveying Board

License Information

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

Name:	Address:
Mr. Brandon Scott DeJean	8440 Jefferson Highway, Suite 400 Baton Rouge, Louisiana 70809

License/Certificate Information

License	Status	First Issuance Date	Expiration Date	Listed Discipline(s)
PE.0037234	Active	06/22/2012	09/30/2024	Civil Engineer

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Online Contact Info Update (User ID/Password required)

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225-925-6291 | Fax 225-925-6292

Louisiana Professional Engineering and Land Surveying Board

License Information

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

Name:	Address:
Mr. Samuel Leonidas Powell Jr.	2550 Heritage Court Southeast, Suite 250 Atlanta, Georgia 30339

License/Certificate Information

License	Status	First Issuance Date	Expiration Date	Listed Discipline(s)
PE.0033770	Active	03/10/2008	09/30/2024	Civil Engineer

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Online Contact Info Update (User ID/Password required)

9643 Brookline Avenue | Suite 121 | Baton Rouge, LA 70809-1433
225-925-6291 | Fax 225-925-6292

Louisiana Professional Engineering and Land Surveying Board

License Information

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

Name:	Address:
Mr. Lloyd Guice Hoover	P. O. Box 29171 Shreveport, Louisiana 71149

License/Certificate Information

License	Status	First Issuance Date	Expiration Date	Listed Discipline(s)
PE.0011968	Active	08/05/1969	09/30/2023	Environmental Engineer, Civil Engineer

View Pocket Card

If you need to change your contact information, click the link below to update your contact info online:
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225-925-6291 | Fax 225-925-6292

Louisiana Professional Engineering and Land Surveying Board

License Information

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

Name:	Address:
Mr. Lloyd Guice Hoover	P. O. Box 29171 Shreveport, Louisiana 71149

License/Certificate Information

License	Status	First Issuance Date	Expiration Date	Listed Discipline(s)
PLS.0001946	Active	08/05/1969	09/30/2023	

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If you need to change your contact information, click the link below to update your contact info online:
Online Contact Info Update (User ID/Password required)

9643 Brookline Avenue | Suite 121 | Baton Rouge, LA 70809-1433
225-925-6291 | Fax 225-925-6292

DOTD FORM 24-102

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Brandon DeJean

has attended

Traffic Control Supervisor-LA State Specific

Training Course

9/14/2022 to 9/14/2026
Training Valid Through

Director of Training

Monroe, LA
Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.

ATSSA American Traffic Safety Services Association ATSSA.com

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Brandon DeJean

has attended

Traffic Control Technician-LA State Specific

Training Course

9/13/2022 to 9/13/2026
Training Valid Through

Director of Training

Monroe, LA
Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.

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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.

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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.