

Continuing Contracts for Survey & Mapping Services

Response Due Date: September 22, 2023

Submitted to:



City of Port St. Lucie
Attn: Procurement Management Dept., Robyn Holder
121 SW Port St. Lucie Blvd., Building A
Port St. Lucie, Florida 34984
Telephone: (772) 871-5223

Submitted by:



SurvTech Solutions, Inc.
1934 Tucker Court
Ft. Pierce, Florida 34950
Telephone: (772) 247-0110

TABLE OF CONTENTS

TABLE OF CONTENTS.....	2
<u>TAB ONE:</u>	
COVER PAGE.....	3
HISTORY OF THE FIRM / FIRM PROFILE.....	4
FORM 330.....	6
ASSOCIATED QUALIFICATIONS / REFERENCES FOR SUBCONSULTANTS.....	46
<u>TAB TWO:</u>	
METHODOLOGY / APPROACH.....	56
<u>TAB THREE:</u>	
CERTIFIED MINORITY BUSINESS ENTERPRISE.....	60
<u>TAB FOUR:</u>	
REQUIRED PROPOSAL SUBMITTAL FORMS.....	64

TAB ONE: COVER PAGE

Friday, September 22, 2023
Robyn Holder
City of Port St. Lucie
(772) 871-5223

RE: E-RFP #20230097 – Continuing Contracts for Survey & Mapping Services

Ms. Holder,

SurvTech Solutions, Inc. (SurvTech) would like to thank you for the opportunity to submit the attached response to the request for qualifications. We understand that it is a necessity for the City of Port St. Lucie to hire a qualified surveying and mapping (geospatial) firm to perform the required services.

Authorized Individuals - The following individuals are authorized to make representations for the firm:

Principal-in-Charge – David J. O’Brien, Jr., PSM, President / (813) 621-4929 / dobrien@survtechsolutions.com

Project Manager – Ben Stinson, PSM / (772) 247-0110 / bstinson@survtechsolutions.com

Why Choose SurvTech Solutions?

- ✓ **Ownership & Commitment to Clients** – SurvTech is 100% owned and managed by professional surveyors and mappers, who are committed to performing quality work on time and budget.
- ✓ **Quality, Schedule, and Value** – Our team provides the highest quality service by focusing purely on surveying, mapping, and utilizing a combination of innovation and “old school” surveying procedures. As a small business headquartered in Florida, our reputation is our livelihood. We meet our commitments!
- ✓ **Knowledge, Education, Experience, Training, & Innovation** - Our team puts emphasis on education, experience, and training as evidenced by the number of college graduates on staff. Our commitment to education and fiscal accountability has allowed us to technologically advance while maintaining quality.
- ✓ **Professionalism, Safety, & Commitment to Employees** – Our commitment to professionalism and safety is unmatched in the industry. Our people are all background checked, drug tested, and have numerous safety certifications. They in turn are rewarded for their diligence and hard work, through profit sharing.
- ✓ **A Complete Geospatial Firm** – SurvTech offers the complete solution for geospatial services, from traditional land surveying to aerial and hydrographic mapping to subsurface utility mapping to GIS.
- ✓ **Office Location** – SurvTech’s managing office for this contract is in Fort Pierce and is only 13 miles (approx. 25 min.) from the City office in the City of Port St. Lucie. SurvTech will utilize support from its Tampa office if needed.

Respectfully submitted,
SurvTech Solutions, Inc.



David J. O’Brien, Jr. PSM
President, Principal-In-Charge

TAB ONE: HISTORY OF THE FIRM / FIRM PROFILE



SurvTech Solutions is a full-service surveying and mapping firm headquartered in Tampa, Florida. Since 2004, SurvTech has provided surveying services for the public and private sectors throughout Florida, the Southeastern US, and Puerto Rico. Currently, the company has 91 employees which includes ten professional surveyors with professional surveying licenses in the states of FL, GA, SC, NC, KY, TN, AL, MS, LA, AR, TX, ME, CO, and Puerto Rico. Nine of these surveyors are certified PSMs in the State of Florida. SurvTech has offices in Tampa, Jacksonville, Mulberry, Ft. Myers, Sanford, and Ft. Pierce, Florida, Mobile and Decatur, Alabama, Covington, LA, and Tao Alta, Puerto Rico. SurvTech is a federally-certified Small Business but has the resources and capabilities of a larger firm. This means we can support large and small projects, but with the combined efficiency and low overhead to perform small and emergency response projects quickly and efficiently. SurvTech's history, the majority of our current workload, and our commitment to the State of Florida, indicate that we are primarily a local firm. However, we have experience providing our services across the southeast US and on a national level as needed. SurvTech's extensive experience and success providing a myriad of surveying and geospatial services shows that we have the expertise, personnel, and resources to ensure the ability to meet or exceed the requirements of this solicitation. SurvTech's core philosophy is reflected in its mission statement:

“To better the lives of our employees, who in return will make the difference for our clients”.

SurvTech's mission is based on a commitment to our employees, clients, and community. Our commitment to our people inspires them to exceed the expectations of our clients, daily.

Services Offered

- Preparation of Easement Descriptions
- Legal Descriptions
- Topographic Surveys
- Parcel Mapping and Platting
- ALTA/ACSM Land Title Boundary Surveys
- Boundary Surveys
- Construction Stakeout
- Parcel Mean High Water Line Delineation
- Route Surveys
- Tree Surveys
- Wetland Surveys
- Design Surveys
- Condominiums Surveys/Conversions
- Volumetric Surveys
- Horizontal and Vertical Control Surveys
- Subsurface Utility designation/verification
- Hydrographic & Bathymetric Surveys
- 3-D (three dimensional) Laser Scanning
- CADD
- GIS
- Hazardous Sites (40 Hour OSHA Cert.)
- Aerial Survey and Mapping (Photogrammetry & LiDAR)
- Digital Terrain Modeling
- Unmanned Aerial Systems (UASs)
- Unmanned Surface Vessels (USVs)
- Mobile LiDAR (Corridors)
- Interior Mobile LiDAR with SLAM
- Digital Twin Creation
- 3D Scanning (Terrestrial LiDAR)
- Scan to BIM
- Geophysical Mapping (Sink Holes)
- Metrology (Precision Measurement)
- Expert Witness
- Project Management

SurvTech is a firm that is unlike most other traditional A/E firms. We are purely a geospatial firm, so we are working on numerous surveying, subsurface utility mapping, hydrographic, terrestrial LiDAR, and aerial mapping projects simultaneously.

Our firm does not have large design projects that it works on for months and years. We have projects that range from \$400 to \$1,000,000 and we manage them all simultaneously.

SurvTech Solutions was founded in 2004 and has successfully grown from a two-man surveying firm at that time to a 91-employee firm providing surveying and geospatial services to municipal, county, state, and federal agencies as well as the private sector. SurvTech's commitment to own and utilize the latest technology to offer our clients the best solutions for their surveying and mapping needs has led to the success of the company today. Over its 19 years, the company has grown to offer the expanded list of services above. These services make SurvTech a turnkey solutions provider for any surveying and mapping need, including mapping of above ground, below ground, and underwater features from terrestrial, mobile and aerial platforms. SurvTech is built upon a foundation of quality people equipped with technology.

The work for the City will be performed from SurvTech's Ft. Pierce office with support from our Tampa office:

Ft. Pierce Office:

1934 Tucker Court
Ft. Pierce, Florida 34950

Tampa Office (SurvTech HQ):

10220 US Highway 92 East
Tampa, Florida 33610

Subcontractor(s):

Javier E. Bidot & Associates, PSC
2385 NW Executive Center Drive #100
Boca Raton, Florida 33431

Annual volume of work over the past five (5) years:

2022 – \$12,776,382.16
2021 – \$11,567,209.39
2020 – \$10,779,626.36
2019 – \$10,175,486.12
2018 – \$7,903,194.38

SurvTech Solutions Officers:

David O'Brien, President,
Stacy Brown, Vice President
Ryan Fowler, Vice President
Ken Comeaux, Vice President
Carlos Prieto, Vice President
Ben Stinson, Vice President
Matt Brooks, Vice President
Tim McClintic, Vice President
Rhonda Curran, Treasurer

TAB ONE: FORM 330

Please see the following pages for our full SF330 form. All individuals identified within the SF330 gained experience within the company of SurvTech except for Javier E. Bidot who is listed as a key team member of our proposed subcontractor. All individuals include their years worked on their SF330 resumes.

ARCHITECT – ENGINEER QUALIFICATIONS

PART I – CONTRACT - SPECIFIC QUALIFICATIONS

A. CONTRACT INFORMATION

1.TITLE AND LOCATION (City and State)

E-RFP #20230097 Continuing Contracts for Survey & Mapping Services

2.PUBLIC NOTICE DATE

August 30, 2023

3.SOLICITATION OR PROJECT NUMBER

E-RFP #20230097

B. ARCHITECT-ENGINEER POINT OF CONTACT

4.NAME AND TITLE

David J. O'Brien Jr., PSM, CFedS, President

5.NAME OF FIRM

SurvTech Solutions, Inc.

6.TELEPHONE NUMBER

813-621-4929

7.FAX NUMBER

813-621-7194

8.E-MAIL ADDRESS

dobrien@survtechsolutions.com

C. PROPOSED TEAM

(Complete this section for the prime contractor and all key subcontractors.)

	(Check)			9.FIRM NAME	10.ADDRESS	11.ROLE IN THIS CONTRACT
	PRIME	J-V PARTNER	SUBCON-TRACTOR			
a.	<input checked="" type="checkbox"/>			SurvTech Solutions, Inc. <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	1934 Tucker Court Ft. Pierce, Florida 34950	<ul style="list-style-type: none"> Overall Contract and Program Management Land Survey Hydrographic Survey CAD and Processing Laser Scanning QA/QC
b.	<input checked="" type="checkbox"/>			SurvTech Solutions, Inc. <input type="checkbox"/> CHECK IF BRANCH OFFICE	10220 U.S. Highway 92 East Tampa, Florida 33610	<ul style="list-style-type: none"> Project Management Survey Support QA/QC
c.			<input checked="" type="checkbox"/>	Javier E. Bidot & Associates, PSC <input type="checkbox"/> CHECK IF BRANCH OFFICE	2385 NW Executive Center Drive #100 Boca Raton, Florida 33431	<ul style="list-style-type: none"> Survey Support

D. ORGANIZATIONAL CHART OF PROPOSED TEAM

(Attached)



Organizational Chart Color Key Index:
 White: SurvTech Solutions (Prime)
 Red: Javier E. Bidot & Associates (Subcontractor)

David O'Brien, PSM
Principal-In-Charge

Ben Stinson, PSM
Project Manager

SURVEY

Adam Regling, PSM Project Surveyor	Lyman Hill Party Chief
Stacy Brown, PSM Project Surveyor	Jose Erazo Party Chief
Henry Simpkins, PSM Hydrographic Surveyor	Anthony Zeo Party Chief
Javier E. Bidot, PSM Professional Surveyor & Mapper	Survey Resources 9 PSM's, 12 Survey Crews

CAD

Damelis DeRoche Senior CAD Technician
Chris Criner CAD Technician
Kyle Quibell CAD Technician
Fabiano Santos 3D Scanning Manager / 3D CAD Technician
CAD Resources 15 CAD Draftsman

AERIAL/Mobile/UAV

Ken Comeaux, CP LiDAR Manager
Mark Bickel UAV Pilot Operator
Aerial Resources LiDAR & Imagery Acquisition from the following platforms: Fixed-Wing, Helicopter, UAV, Mobile



E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
David J. O'Brien Jr.	PSM / Program Principal	A. TOTAL	B. WITH CURRENT FIRM
		29	19

15. FIRM NAME AND LOCATION *(City and State)*
SurvTech Solutions, Inc. | Tampa, Florida

16. EDUCATION <i>(Degree and Specialization)</i>	17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i>
B.S., Surveying Engineering, University of Maine	Prof. Land Surveyor – AL #30189, FL #5925, GA #3151, MS #2962, TN #2869, KY #3910, LA #5044, NC #4714, SC #22373, TX #6281, AR #1892; CFedS #1244

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
- Proficient in operating, maintaining, and adjusting precise surveying equipment.
 - Engineer of the Year – Awarded by the Society of American Military Engineers.
 - Leadership in Energy and Environmental Design Accredited Professional (LEED AP).

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	Lake Worth Inlet Jetties Multi-Beam and Side-Scan Hydrographic Survey, Mobile LiDAR (from Boat), and Terrestrial LiDAR (USACE - Jacksonville) – Palm Beach, FL	2019	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm		
	<p>Scope- SurvTech was contracted to perform a topographic and bathymetric survey of the Lake Worth Inlet jetties in Palm Beach, FL. The multi-beam and side-scan sonar hydrographic surveys were required to be performed within one hour on each side of high tide, and the mobile LiDAR from the boat was required to be performed within one hour on each side of low tide. Terrestrial scanning was also performed to supplement the mobile LiDAR. Horizontal and vertical control was established with static and RTK GPS; Size- 40 acres; Cost- \$24,098.67; Specific Role- Principal-In-Charge overseeing the project.</p>		
b.	Double Screen and Cee Bee Groves – Tampa, FL	2020	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm		
	<p>Scope- SurvTech was tasked by Hillsborough County to perform a boundary survey with location improvements on a project site covering 543 acres in Odessa, Florida. Tasks included establishing horizontal and vertical control with survey grade RTK GPS, planimetric location of visible improvements and utilities, including buildings, asphalt, concrete, tanks, piping, and miscellaneous improvements; Size- 543 acres; Cost- \$47,880; Specific Role- Principal-In-Charge overseeing the project.</p>		
c.	Port St. Lucie Inlet South Jetty – Martin County, FL	2023	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE X Check if project performed with current firm		
	<p>Scope- Contracted by Martin County to perform surveying services on a project site consisting of the Port St. Lucie Harbor Inlet, South Jetty, and coastal beaches west and south of the jetty in Martin County, Florida. Tasks included hydrographic surveying, including collecting multi-beam and side scan sonar for the subaqueous project area and UAV (unmanned aerial vehicle) LiDAR for the upland project area.; Size- approx. 210 acres Cost- \$82,651; Specific Role- Served as Principle-In-Charge overseeing the project.</p>		
d.	Temple Terrace Force Main A Route Survey – Temple Terrace, FL	2019	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm		
	<p>Scope- Contracted for a route survey for a proposed force main for the City of Temple Terrace, Florida. The project included performing a topographic, tree and planimetric location survey with SUE Levels A, B, & C, and right-of-way determination. Tasks included establishing horizontal and vertical control with survey grade static and RTK GPS and differential leveling; planimetric location of visible improvements, utilities, and SUE designation mark-outs with conventional and RTK GPS methods; performing boundary retracement to establish the right-of-way boundaries; Size- 0.5 miles; Cost- \$30,540. Specific Role - Served as the Principle-In-Charge overseeing the project.</p>		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Ben Stinson, PSM	Project Manager	A. TOTAL	B. WITH CURRENT FIRM
		18	18

15. FIRM NAME AND LOCATION *(City and State)*

SurvTech Solutions, Inc. | Ft. Pierce, Florida

16. EDUCATION *(Degree and Specialization)* 17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*

B.S., Geo Sciences, 2003
Mississippi State University – Starkville, MS

Professional Surveyor and Mapper – FL #6924

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

Mr. Stinson has 18 years of experience working on large rural boundary surveys. All of his surveying experience was acquired at SurvTech working with Mr. O'Brien and Mr. Brown. His expertise includes boundary retracement, cadastral research, state plane coordinates, static and RTK GPS, data processing and hydrographic/bathymetric data processing.

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	Port St. Lucie Inlet South Jetty – Martin County, FL	2023	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		[X] Check if project performed with current firm
	<p>Scope- Contracted by Martin County to perform surveying services on a project site consisting of the Port St. Lucie Harbor Inlet, South Jetty, and coastal beaches west and south of the jetty in Martin County, Florida. Tasks included hydrographic surveying, including collecting multi-beam and side scan sonar for the subaqueous project area and UAV (unmanned aerial vehicle) LiDAR for the upland project area.; Size- approx. 210 acres Cost- \$82,651; Specific Role- Served as Project Manager, directing CAD, field crews, and QA/QC.</p>		
b.	SWFWMD Lakes (Eagle, McLeod, Wailes, Starr) – Polk, Hardee Counties, FL	2022	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		[X] Check if project performed with current firm
	<p>Scope- Contracted to perform a topographic and bathymetric survey of three lakes located in Polk and Hardee Counties. Tasks included multi-beam sonar survey of the lake bottoms, an aerial UAV LiDAR topographic survey of the uplands, and traditional land surveying for any gaps between the LiDAR and multi-beam data, as well as structures and pipes draining into or out of the lakes. Size- 16,127+ acres; Cost- \$74,745; Specific Role- Served as Project Manager, directing CAD, field crews, and QA/QC.</p>		
c.	Palma Ceia Water Line Route Survey with Right-of-Way Determination FY18	2018	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		[X] Check if project performed with current firm
	<p>Scope- SurvTech was tasked to perform a route (topographic) survey with right-of-way determination for design of a proposed water pipeline through the residential neighborhood of Palma Ceia, located in south Tampa. Tasks included horizontal and vertical control, utilizing RTK GPS and conventional surveying to locate topographic and planimetric features, and mobile LiDAR. Size- 4.6 linear miles; Cost- \$94,440; Specific Role- Served as Project Manager, directing CAD, and QA/QC.</p>		
d.	Temple Terrace Force Main A Route Survey – Temple Terrace, FL	2019	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		[X] Check if project performed with current firm
	<p>Scope- Contracted for a route survey for a proposed force main for the City of Temple Terrace, Florida. The project included performing a topographic, tree and planimetric location survey with SUE Levels A, B, & C, and right-of-way determination. Tasks included establishing horizontal and vertical control with survey grade static and RTK GPS and differential leveling; planimetric location of visible improvements, utilities, and SUE designation mark-outs with conventional and RTK GPS methods; performing boundary retracement to establish the right-of-way boundaries; Size- 0.5 miles; Cost- \$30,540. Specific Role - Served as Project Manager, directing CAD, field crews,</p>		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Adam Regling, PSM	Project Surveyor	A. TOTAL	B. WITH CURRENT FIRM
		13	6

15. FIRM NAME AND LOCATION *(City and State)*
SurvTech Solutions, Inc. | Ft. Pierce, Florida

16. EDUCATION <i>(Degree and Specialization)</i>	17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i>
B.S., Geomatics, 2010 University of Florida – Gainesville, Florida	Professional Surveyor – FL #7081

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
 Mr. Regling has 13 years of experience working on and adjacent to military installations, airports and state-owned lands including boundary surveys of small to large facilities. His expertise includes boundary surveying, state plane coordinates, data processing, topographic, drainage, 3D laser scanning, drone pilot, point cloud manipulation and extraction.

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	PROFESSIONAL SERVICES
a.	Port St. Lucie Inlet South Jetty – Martin County, FL	2023	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE X Check if project performed with current firm		
	Scope- Contracted by Martin County to perform surveying services on a project site consisting of the Port St. Lucie Harbor Inlet, South Jetty, and coastal beaches west and south of the jetty in Martin County, Florida. Tasks included hydrographic surveying, including collecting multi-beam and side scan sonar for the subaqueous project area and UAV (unmanned aerial vehicle) LiDAR for the upland project area.; Size- approx. 210 acres Cost- \$82,651; Specific Role- Served as Project Surveyor in the collection of horizontal and vertical control, planimetric data collection, and topographic surveys.		
b.	City of Port St. Lucie Fiber Crossings – Ft. Pierce, FL	2023	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE X Check if project performed with current firm		
	Scope- SurvTech provided surveying support for Tower Engineering, which was designing fiber optic networks for the City of Port St. Lucie along West Midway Road. SurvTech performed upland and subaqueous x-sections for under-canal utility crossings on eight (8) canals in Port St. Lucie. Mr. Erazo was one of the party chiefs responsible for performing the survey field work on the on the project.; Size- 8 utility canal crossings; Cost- \$9,260; Specific Role- Served as Project Surveyor in the collection of horizontal and vertical control, cross section surveys, and utility surveys.		
c.	Banner Lake Route Survey – Hobe Sound, FL	2021	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE X Check if project performed with current firm		
	Scope- SurvTech was issued a task order on its IDIQ contract with Martin County, Florida, to perform a route survey of all the streets in Banner Lakes Subdivision on a 30-day schedule. Tasks included establishing horizontal and vertical geodetic control with survey grade static and RTK GPS and differential leveling; field personnel located topographic and planimetric features, including trees; Size- 2.5 linear miles; Cost- \$39,120 Specific Role- Served as Project Surveyor in the collection of horizontal and vertical control, planimetric data collection, and topographic surveys.		
d.	SWFWMD Lakes (Eagle, McLeod, Wailes, Starr) – Polk, Hardee Counties, FL	2022	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE X Check if project performed with current firm		
	Scope- Contracted to perform a topographic and bathymetric survey of three lakes located in Polk and Hardee Counties. Tasks included multi-beam sonar survey of the lake bottoms, an aerial UAV LiDAR topographic survey of the uplands, and traditional land surveying for any gaps between the LiDAR and multi-beam data, as well as structures and pipes draining into or out of the lakes. Size- 16,127+ acres; Cost- \$74,745; Specific Role- Served as Project Surveyor in the collection of horizontal and vertical control, planimetric data collection, and topographic surveys.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Stacy L. Brown	Project Surveyor	A. TOTAL	B. WITH CURRENT FIRM
		26	19

15. FIRM NAME AND LOCATION *(City and State)*
SurvTech Solutions, Inc. | Tampa, Florida

16. EDUCATION <i>(Degree and Specialization)</i>	17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i>
B.S., Civil Engineering, University of Maine	Professional Land Surveyor – FL #6516

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
 Mr. Brown has 26 years of experience working on public and private lands, including boundary surveys of small to large facilities. He has performed as Project Surveyor on numerous DOD, NAVFAC and USACE Projects. His expertise includes boundary surveying, state plane coordinates, GPS (Static and RTK), and the successful execution of multiple survey crews on remote and logistically difficult projects.

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	Port St. Lucie Inlet South Jetty – Martin County, FL	2023	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm		
	Scope- Contracted by Martin County to perform surveying services on a project site consisting of the Port St. Lucie Harbor Inlet, South Jetty, and coastal beaches west and south of the jetty in Martin County, Florida. Tasks included hydrographic surveying, including collecting multi-beam and side scan sonar for the subaqueous project area and UAV (unmanned aerial vehicle) LiDAR for the upland project area.; Size- approx. 210 acres Cost- \$82,651; Specific Role- Served as Project Surveyor in the collection of horizontal and vertical control, planimetric data collection, and boundary surveys.		
b.	Temple Terrace Force Main A Route Survey – Temple Terrace, FL	2019	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm		
	Scope- Contracted for a route survey for a proposed force main for the City of Temple Terrace, Florida. The project included performing a topographic, tree and planimetric location survey with SUE Levels A, B, & C, and right-of-way determination. Tasks included establishing horizontal and vertical control with survey grade static and RTK GPS and differential leveling; planimetric location of visible improvements, utilities, and SUE designation mark-outs with conventional and RTK GPS methods; performing boundary retracement to establish the right-of-way boundaries; Size- 0.5 miles; Cost- \$30,540. Specific Role - Served as the Project Surveyor, directing CAD and QA/QC.		
c.	Double Screen & Cee Bee Groves – Odessa, FL	2018	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm		
	Scope- This project included performing a boundary survey with location of improvements. Tasks included establishing horizontal control on site with survey grade static GPS, RTK GPS, and conventional traversing; planimetric location of visible improvements; Size- 543 acres; Cost- \$47,879.50; Specific Role- Served as Project Surveyor in the collection of horizontal and vertical control, planimetric data collection, and boundary surveys.		
d.	TECO Panama City Express Gas Pipeline Route Survey – Panama City, FL	2020	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm		
	Scope- Contracted to perform a route survey, subsurface utility designation, boundary surveys, submerged lands surveys, hydrographic surveys, and construction stakeout; Acquired and processed airborne LiDAR in support of surveys; Size- 22.05 linear pipeline miles; Cost- \$739,880; Specific Role- Served as Project Surveyor in the collection of horizontal and vertical control, planimetric data collection, and boundary surveys.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Henry Simpkins, PSM	Hydrographic Surveyor	A. TOTAL	B. WITH CURRENT FIRM
		12	11

15. FIRM NAME AND LOCATION (City and State)

SurvTech Solutions, Inc. | Tampa, Florida

16. EDUCATION (Degree and Specialization)

B.S., Surveying Engineering Technology, University of Maine

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

Professional Surveyor and Mapper – FL #7192

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Mr. Simpkins has a Bachelor of Science degree in Surveying Engineering Technology and over 12 years of experience in the surveying profession. He is proficient in mobile positioning such as RTK GPS, PPK, PPRTx, inertial measurement units (IMU's) and the associated integration of sonar and LiDAR sensors. He led the project of constructing, testing, and implementing SurvTech's unmanned survey vessel (USV), also known as a remote control multibeam boat.

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	SWFWMD Lakes (Eagle, McLeod, Wailes, Starr) – Polk, Hardee Counties, FL	2022	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE X Check if project performed with current firm		
	<p>Scope- Contracted to perform a topographic and bathymetric survey of three lakes located in Polk and Hardee Counties. Tasks included multi-beam sonar survey of the lake bottoms, an aerial UAV LiDAR topographic survey of the uplands, and traditional land surveying for any gaps between the LiDAR and multi-beam data, as well as structures and pipes draining into or out of the lakes. Size- 16,127+ acres; Cost- \$74,745; Specific Role- Served as Hydrographic Surveyor collecting and processing hydrographic survey data.</p>		
b.	Lake Worth Inlet Jetties Multi-Beam Hydrographic Survey and Mobile Terrestrial Laser Scan	2018	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE X Check if project performed with current firm		
	<p>Scope- The project included performing hydrographic multi beam and side scan sonar, mobile LiDAR (from the survey vessel), terrestrial LiDAR of the upland, and survey RTK GPS and conventional surveying for establishing horizontal and vertical control, and planimetric and topographic location of the upland portion of the jetty. Mobile LiDAR data was collected utilizing the LIDAR USA Snoopy system; terrestrial LiDAR was collected utilizing a FARO 330X scanner; Data was processed with Inertial Explorer, FARO Scene, TerraSolid, Carlson Survey (AutoCAD), and delivered in .LAS format and Power InRoads. Size- 38.4acres; Cost- \$22,294.44. Specific Role- Served as Hydrographic Surveyor collecting and processing hydrographic data.</p>		
c.	Port St. Lucie Inlet South Jetty – Martin County, FL	2023	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE X Check if project performed with current firm		
	<p>Scope- Contracted by Martin County to perform surveying services on a project site consisting of the Port St. Lucie Harbor Inlet, South Jetty, and coastal beaches west and south of the jetty in Martin County, Florida. Tasks included hydrographic surveying, including collecting multi-beam and side scan sonar for the subaqueous project area and UAV (unmanned aerial vehicle) LiDAR for the upland project area.; Size- approx. 210 acres Cost- \$82,651; Specific Role- Served as Hydrographic Surveyor collecting and processing hydrographic data.</p>		
d.	TECO Panama City Express Gas Pipeline Route Survey – Panama City, FL	2020	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE X Check if project performed with current firm		
	<p>Scope- Contracted to perform a route survey, subsurface utility designation, boundary surveys, submerged lands surveys, hydrographic surveys, and construction stakeout; Acquired and processed airborne LiDAR and imagery in support of surveys; Size- 22.05 linear pipeline miles; Cost- \$739,880; Specific Role- Served as Hydrographic Surveyor, performed the collection and processing of hydrographic data.</p>		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Javier E. Bidot Cruz, PSM	Professional Surveyor & Mapper	A. TOTAL	B. WITH CURRENT FIRM
		31	25

15. FIRM NAME AND LOCATION *(City and State)*
Javier E. Bidot & Associates, Inc. | Caguas, PR

16. EDUCATION <i>(Degree and Specialization)</i>	17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i>
B.S., Land Surveying & Mapping, 1991	Professional Land Surveyor PR #12972; Professional Land Surveyor & Mapper FL #7111; NY/PSM #050998-1; PLS USVI #0-41929-1B

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
 Mr. Bidot has over 20 years of Federal Government survey work at different levels. He has overseen various IDIQ Federal Contracts for USACE, US-DOJ, NRCS, USFW, NOAA. Admitted to the Local and Federal Court Circuit as Expert Witness numerous times. His professional experience includes land development and construction management, contractor dispute resolution, and the scheduling of major residential and infrastructure projects.

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	Topographic and Hydrographic Survey Support Services for South Florida Water Management District C-139 Flow Equalization Basin (FEB) Project — Hendry County, FL	2020	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm Scope- Ground topographic information for LiDAR verification, recovery and establishment of survey control on the project area and the existing conditions survey of various structures, proposed access and/or embankments within the project limits, as supplemental data to support the project development and augment previous surveys performed by others; Cost- \$207,000; Specific Role- Professional Surveyor & Mapper responsible for overseeing project and directing survey field crews.		
b.	Johnson Road Site Survey – Coconut Creek, FL	2020	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm Scope- Javier E. Bidot & Associates was selected to provide a site survey and adjacent easements and intersections as part of the design for 1.2 miles of future improvements along Johnson Road. Tasks included horizontal and vertical control, right-of-way survey, topographic survey, existing conditions survey, easements records. Size- 1.2 miles; Cost- \$35,000; Specific Role- Professional Surveyor & Mapper responsible for overseeing project and directing survey field crews.		
c.	Topographic Survey Rio Guanajibo Basin Municipalities of Mayaguez and San German – Puerto Rico	2020	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE X Check if project performed with current firm Scope- The Rio Guanajibo Topographic Study consisted of a Topographic and Hydrographic study of approximately 825 acres of heavily vegetated floodplains adjacent to Rio Guanajibo with 77 cross sections for 25 miles upstream from the river's mouth. The task included establishing 16 GPS monuments, post processing through OPUS Solutions, the recovery of 9 NGS First Order Second Class NGS Monuments, hydrographic surveys with dual frequency echo sounder. Additionally, the designated culverts, ditches and bridges were located, surveyed and documented. Size- 825 acres; Cost- \$850,003.87; Specific Role- Professional Surveyor & Mapper responsible for overseeing project and directing survey field crews.		
d.	Surveys in Puerto Rico, USVI and Florida; US Corps of Engineers	Ongoing	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm Scope- From January 2001 to 2012, and from 2019 to present he has served as Project Manager and Principal in charge for contracts with the Jacksonville District Corps of Engineers to perform hydrographic, topographic, cadastral and construction surveys in Puerto Rico, Florida and the US Virgin Islands. Over 40 delivery orders have been completed with a cumulative cost of more than \$4M. Specific Role - Professional Surveyor & Mapper responsible for overseeing project and directing survey field crews.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Lyman Hill	Party Chief	A. TOTAL	B. WITH CURRENT FIRM
		43	16

15. FIRM NAME AND LOCATION *(City and State)*
SurvTech Solutions, Inc. | Tampa, Florida

16. EDUCATION <i>(Degree and Specialization)</i>	17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i>
	CSI Level II, OSHA 40 Hour Hazwoper, MSHA 24 Hour, CSX, LPA & MOT Safety Certified, TWIC-Badged

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
 Mr. Hill has 43 years in the surveying profession. He is extremely competent in boundary retracement of the PLSS and data collection techniques, including RTK (real time kinematic) GPS, conventional surveying instruments, GPR (ground penetrating radar), hydrographic surveying, and 3D laser scanning.

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	Double Screen and Cee Bee Groves – Tampa, FL	2020	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		[X] Check if project performed with current firm
	<p>Scope- SurvTech was tasked by Hillsborough County to perform a boundary survey with location improvements on a project site covering 543 acres in Odessa, Florida. Tasks included establishing horizontal and vertical control with survey grade RTK GPS, planimetric location of visible improvements and utilities, including buildings, asphalt, concrete, tanks, piping, and miscellaneous improvements; Size- 543 acres; Cost- \$47,880; Specific Role- Served as Party Chief, performing the field work on the on the project.</p>		
b.	Banner Lake Route Survey – Hobe Sound, FL	2021	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		[X] Check if project performed with current firm
	<p>Scope- SurvTech was issued a task order on its IDIQ contract with Martin County, Florida, to perform a route survey of all the streets in Banner Lakes Subdivision on a 30-day schedule. Tasks included establishing horizontal and vertical geodetic control with survey grade static and RTK GPS and differential leveling: field personnel located topographic and planimetric features, including trees; Size- approx. 2.5 linear miles; Cost- \$39,120 Specific Role- Served as Party Chief, performing the field work on the on the project.</p>		
c.	SWFWMD Lakes (Eagle, McLeod, Wailes, Starr) – Polk, Hardee Counties, FL	2022	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		[X] Check if project performed with current firm
	<p>Scope- Contracted to perform a topographic and bathymetric survey of three lakes located in Polk and Hardee Counties. Tasks included multi-beam sonar survey of the lake bottoms, an aerial UAV LiDAR topographic survey of the uplands, and traditional land surveying for any gaps between the LiDAR and multi-beam data, as well as structures and pipes draining into or out of the lakes. Size- 16,127+ acres; Cost- \$74,745; Specific Role- Served as Party Chief, performing the field work on the on the project.</p>		
d.	Palma Ceia Water Line Route Survey with Right- of-Way Determination FY18	2018	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		[X] Check if project performed with current firm
	<p>Scope- SurvTech was tasked to perform a route (topographic) survey with right-of-way determination for design of a proposed water pipeline through the residential neighborhood of Palma Ceia, located in south Tampa. Tasks included horizontal and vertical control, utilizing RTK GPS and conventional surveying to locate topographic and planimetric features, and mobile LiDAR for mapping building faces and tree canopy drip lines along the route. Size- 4.6 linear miles; Cost- \$94,440; Specific Role- Served as Party Chief, performing the field work on the on the project.</p>		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Jose Erazo	Party Chief	A. TOTAL	B. WITH CURRENT FIRM
		6	5

15. FIRM NAME AND LOCATION *(City and State)*
SurvTech Solutions, Inc. | Ft. Pierce, Florida

16. EDUCATION <i>(Degree and Specialization)</i>	17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i>
OSHA 40-Hour HAZWOPER, MSHA 24-Hour, CSX, LPA & MOT Safety Certified, TWIC Badged	

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
 Mr. Erazo has 6 years of experience working on roadways, mines, and military installations, and includes topographic and boundary surveys, as-built surveys, right-of-way mapping, and route surveys. He is MSHA New Miner & Phosphate Certified; CPR & First Aid Certified; and background checked. He is extremely competent in boundary retracement and data collection techniques, including RTK (real time kinematic) GPS, conventional surveying instruments and vessel operation.

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	City of Port St. Lucie Fiber Crossings – Ft. Pierce, FL	2023	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE X Check if project performed with current firm		
	Scope- SurvTech provided surveying support for Tower Engineering, which was designing fiber optic networks for the City of Port St. Lucie along West Midway Road. SurvTech performed upland and subaqueous x-sections for under-canal utility crossings on eight (8) canals in Port St. Lucie. Mr. Erazo was one of the party chiefs responsible for performing the survey field work on the on the project.; Size- 8 utility canal crossings; Cost- \$9,260; Specific Role- Mr. Erazo served as Party Chief, responsible for processing RTK GPS and drafting of the final deliverables.		
b.	TECO Panama City Express Gas Pipeline Route Survey – Panama City, FL	2020	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE X Check if project performed with current firm		
	Scope- Contracted to perform a route survey, subsurface utility designation, boundary surveys, submerged lands surveys, hydrographic surveys, and construction stakeout; Acquired and processed airborne LiDAR in support of surveys; Size- 22.05 linear pipeline miles; Cost- \$739,880; Specific Role- Mr. Erazo served as Party Chief, responsible for processing RTK GPS and drafting of the final deliverables.		
c.	McIntosh Park Phase II Topo – Plant City, Florida	2020	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE X Check if project performed with current firm		
	Party Chief. In 2020 Mr. Erazo was one of the party chiefs responsible for providing ground support for a topographic LiDAR survey. He accurately located the relief of the property, including physical and topographic features and structures and existing visible utility and drainage features. Topographic shots were used to create a digital elevation model. Survtech identified tree species and located all wetland flags on site.		
d.	USACE Task Order #18-227 CEPP Feature Location, Topographic, & Hydrographic Survey – Miami-Dade, Florida	2019	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE X Check if project performed with current firm		
	Party Chief. In 2019 Mr. Erazo was one of the party chiefs responsible for collection of hydrographic and topographic data collection on 350-linear miles of canal in the everglades. He was responsible for leading field crews, piloting the survey vessels, including an airboat, and performing all RTK GPS equipment checks. The project spanned over 700,000 acres and was over 30 miles from each side of the project.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Anthony Zeo	Party Chief	A. TOTAL	B. WITH CURRENT FIRM
		3	3

15. FIRM NAME AND LOCATION *(City and State)*
SurvTech Solutions, Inc. | Ft. Pierce, Florida

16. EDUCATION *(Degree and Specialization)*
 17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
 Mr. Zeo has 3 years of experience working on roadways, mines, and military installations, and includes topographic and boundary surveys, as-built surveys, right-of-way mapping, and route surveys. All his surveying experience was acquired at SurvTech Solutions under the supervision of Mr. David O'Brien, senior PLS and a CFedS for SurvTech Solutions, whose surveying expertise spans the last 29 years.

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	Martin County Golf Course – Stuart, FL	2021	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Specific Role – Instrument Operator. Mr. Zeo assisted survey crews establishing horizontal and vertical control utilizing RTK GPS, static GPS, and conventional surveying techniques, and oversaw the collection of topographic survey data.		
b.	TECO SW Lakeland Expansion – Lakeland, FL	2021	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Specific Role – Instrument Operator. Mr. Zeo assisted survey crews establishing horizontal and vertical control utilizing RTK GPS, static GPS, and conventional surveying techniques, and oversaw the collection of topographic survey data.		
c.	Martin Downs Village Center – Palm City, FL	2021	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Specific Role – Instrument Operator. Mr. Zeo assisted survey crews establishing horizontal and vertical control utilizing RTK GPS, static GPS, and conventional surveying techniques, and oversaw the collection of topographic survey data.		
d.	Robert Ranch Road Tree Survey – Plant City, FL	2021	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Specific Role – Instrument Operator. Mr. Zeo assisted survey crews establishing horizontal and vertical control utilizing RTK GPS, static GPS, and conventional surveying techniques, and oversaw the collection of topographic survey data.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Damelis DeRoche	Senior CAD Technician	A. TOTAL	B. WITH CURRENT FIRM
		31	16

15. FIRM NAME AND LOCATION *(City and State)*
SurvTech Solutions, Inc. | Tampa, Florida

16. EDUCATION <i>(Degree and Specialization)</i>	17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i>
B.S., Civil Engineering, University of Carabobo, Venezuela	

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
- Over 31 years of experience working on large and small civil and surveying projects.
 - Extensive knowledge of processing and drafting survey data, boundary retracement procedures, and CAD standards.

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	Palma Ceia Water Line Route Survey with Right- of-Way Determination FY18	2018	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		[x] Check if project performed with current firm
<p>Scope- SurvTech was tasked to perform a route (topographic) survey with right-of-way determination for design of a proposed water pipeline through the residential neighborhood of Palma Ceia, located in south Tampa. Tasks included horizontal and vertical control, utilizing RTK GPS and conventional surveying to locate topographic and planimetric features, and mobile LiDAR for mapping building faces and tree canopy drip lines along the route. Size- 4.6 linear miles; Cost- \$94,440; Specific Role- Served as Senior CAD Technician, performing the CADD cleanup, and drafting of the project.</p>			
b.	Double Screen and Cee Bee Groves – Tampa, FL	2020	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		[x] Check if project performed with current firm
<p>Scope- SurvTech was tasked by Hillsborough County to perform a boundary survey with location improvements on a project site covering 543 acres in Odessa, Florida. Tasks included establishing horizontal and vertical control with survey grade RTK GPS, planimetric location of visible improvements and utilities, including buildings, asphalt, concrete, tanks, piping, and miscellaneous improvements; Size- 543 acres; Cost- \$47,880; Specific Role- Served as Senior CAD Technician, performing the CAD cleanup, and drafting of the project.</p>			
c.	City of DeBary Survey, Easement, and Plat Review – DeBary, Florida	2021	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		[x] Check if project performed with current firm
<p>Scope- SurvTech was issued a task order on its IDIQ contract with the City of DeBary, Florida to perform professional surveyor and mapping review services. Tasks included reviewing information of record for each survey, including title work, deeds, tax records, plats, easements, and other encumbrances. Size- 2.5 linear miles; Cost- \$15,000; Specific Role- Served as Senior CAD Technician, performing the CAD cleanup, and drafting of the project.</p>			
d.	Lake Worth Inlet Jetties Multi-Beam and Side-Scan Hydrographic Survey, Mobile LiDAR (from Boat), and Terrestrial LiDAR (USACE - Jacksonville) – Palm Beach, FL	2019	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		[X] Check if project performed with current firm
<p>Scope- SurvTech was contracted to perform a topographic and bathymetric survey of the Lake Worth Inlet jetties in Palm Beach, FL. The multi-beam and side-scan sonar hydrographic surveys were required to be performed within one hour on each side of high tide, and the mobile LiDAR from the boat was required to be performed within one hour on each side of low tide. Terrestrial scanning was also performed to supplement the mobile LiDAR. Horizontal and vertical control was established with static and RTK GPS; Size- 40 acres; Cost- \$24,098.67; Specific Role- Served as Senior CAD Technician, performing the CAD cleanup, and drafting of the project.</p>			

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Chris Criner	CAD Technician	A. TOTAL	B. WITH CURRENT FIRM
		3	3

15. FIRM NAME AND LOCATION *(City and State)*

SurvTech Solutions, Inc. | Ft. Pierce, Florida

16. EDUCATION <i>(Degree and Specialization)</i>	17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i>

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
 Mr. Criner has 3 years of experience in surveying. He has assisted in collecting and documenting data, preparing, field reports, assisting in drafting detailed dimensional drawings, calculating dimensions, profile specifications and quantities of materials, performing relevant research in support of project objectives.

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	Banner Lake Route Survey – Hobe Sound, FL	2021	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [x] Check if project performed with current firm		
	Scope- SurvTech was issued a task order on its IDIQ contract with Martin County, Florida, to perform a route survey of all the streets in Banner Lakes Subdivision on a 30-day schedule. Tasks included establishing horizontal and vertical geodetic control with survey grade static and RTK GPS and differential leveling: field personnel located topographic and planimetric features, including trees; Size- approx. 2.5 linear miles; Cost- \$39,120 Specific Role- Mr. Criner served as CAD Technician, responsible for processing RTK GPS and drafting of the final deliverables.		
b.	City of Port St. Lucie Fiber Crossings – Ft. Pierce, FL	2023	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [x] Check if project performed with current firm		
	Scope- SurvTech provided surveying support for Tower Engineering, which was designing fiber optic networks for the City of Port St. Lucie along West Midway Road. SurvTech performed upland and subaqueous x-sections for under-canal utility crossings on eight (8) canals in Port St. Lucie. Mr. Erazo was one of the party chiefs responsible for performing the survey field work on the on the project.; Size- 8 utility canal crossings; Cost- \$9,260; Specific Role- Mr. Criner served as CAD Technician, responsible for processing RTK GPS and drafting of the final deliverables.		
c.	TECO Panama City Express Gas Pipeline Route Survey – Panama City, FL	2020	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [x] Check if project performed with current firm		
	Scope- Contracted to perform a route survey, subsurface utility designation, boundary surveys, submerged lands surveys, hydrographic surveys, and construction stakeout; Acquired and processed airborne LiDAR in support of surveys; Size- 22.05 linear pipeline miles; Cost- \$739,880; Specific Role- Mr. Criner served as CAD Technician, responsible for processing RTK GPS and drafting of the final deliverables.		
d.	Dutchman Key Bathymetric Surveying – Tampa, FL	2020	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm		
	Specific Role – Mr. Criner served as CAD Technician, responsible for processing RTK GPS and drafting of the final deliverables.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Kyle Quibell	CAD Technician	A. TOTAL	B. WITH CURRENT FIRM
		5	5

15. FIRM NAME AND LOCATION *(City and State)*
SurvTech Solutions, Inc. | Ft. Pierce, Florida

16. EDUCATION <i>(Degree and Specialization)</i>	17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i>
AS, Finger Lakes Community College, Canandaigua, NY; 1 Year CADD Certification Monroe Community College, Brighton, NY	

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
 Mr. Quibell has 5 years of experience working in the geospatial industry performing various tasks supporting surveying and mapping projects. He has assisted in collecting and documenting data, preparing, field reports, assisting in drafting detailed dimensional drawings, calculating dimensions, profile specifications and quantities of materials, performing relevant research in support of project objectives.

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	SWFWMD Lakes (Eagle, McLeod, Wailes, Starr) – Polk, Hardee Counties, FL	2022	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm		
	Scope- Contracted to perform a topographic and bathymetric survey of three lakes located in Polk and Hardee Counties. Tasks included multi-beam sonar survey of the lake bottoms, an aerial UAV LiDAR topographic survey of the uplands, and traditional land surveying for any gaps between the LiDAR and multi-beam data, as well as structures and pipes draining into or out of the lakes. Size- 16,127+ acres; Cost- \$74,745; Specific Role- Mr. Quibell served as CAD Technician, responsible for processing RTK GPS and drafting of the final deliverables.		
b.	Banner Lake Route Survey – Hobe Sound, FL	2021	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm		
	Scope- SurvTech was issued a task order on its IDIQ contract with Martin County, Florida, to perform a route survey of all the streets in Banner Lakes Subdivision on a 30-day schedule. Tasks included establishing horizontal and vertical geodetic control with survey grade static and RTK GPS and differential leveling: field personnel located topographic and planimetric features, including trees; Size- approx. 2.5 linear miles; Cost- \$39,120 Specific Role- Mr. Quibell served as CAD Technician, responsible for processing RTK GPS and drafting of the final deliverables.		
c.	Port Tampa Bay Corporex Park ALTA/NSPS Land Title Boundary, Topographic, and Tree Survey – Tampa, FL	2020	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm		
	Scope- SurvTech Solutions performed a ALTA/NSPS Land Title Boundary, Topographic, and Tree (Design) survey for Port Tampa Bay for acquisition and design purposes. Tasks included establishing horizontal and vertical control with survey grade static and RTK GPS, and differential leveling. Field personnel located boundary evidence (monumentation), planimetric features, topography, and trees; Size- 7.322-acres; Cost- \$9,813.82 Specific Role – Mr. Quibell served as CAD Technician, responsible for processing RTK GPS and drafting of the final deliverables.		
d.	TECO Panama City Express Gas Pipeline Route Survey – Panama City, FL	2020	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm		
	Scope- Contracted to perform a route survey, subsurface utility designation, boundary surveys, submerged lands surveys, hydrographic surveys, and construction stakeout; Acquired and processed airborne LiDAR in support of surveys; Size- 22.05 linear pipeline miles; Cost- \$739,880; Specific Role- Mr. Quibell served as CAD Technician, responsible for processing RTK GPS and drafting of the final deliverables.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Fabiano Santos	3D Scanning Department Manager	A. TOTAL	B. WITH CURRENT FIRM
		17	1

15. FIRM NAME AND LOCATION *(City and State)*

SurvTech Solutions, Inc. | Sanford, Florida

16. EDUCATION *(Degree and Specialization)* 17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*

B.S., Business Administration and Management, Valencia Community College

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

Mr. Santos has extensive experience with LiDAR and 3D scanning. His training includes the following data processing software certifications: Blue Marble – Global Mapper Certification, Civil 3D Certification, Leica Cyclone Certification, Trimble RealWorks Certification, Riegl RiSCAN Certification, Faro Scene Certification

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	Boca Grande Lighthouse Scan – Boca Grande, FL	2023	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm		
	<p>Scope- Contracted to perform a 3D scan of the lighthouse and surrounding area in Boca Grande, FL to determine the extend of damage sustained during Hurricane Ian. Deliverables included a verticality analysis, survey control for future verification, and location of improvements; Size- Lighthouse and vicinity; Cost- \$25,760; Specific Role- Project Manager/3D Scanning Manager responsible for overall surveying of the project area and ensuring project deliverables met scope of work requirements.</p>		
b.	Beaufort National Cemetery Scan – Beaufort, SC	2023	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm		
	<p>Scope- Contracted to perform a 3D scan and survey of the cemetery property. Deliverables included interior and exterior scanning to extract a 3D model at Level of Detail (LOD) 300. The 3D model was combined with ground surveys that located all roadways, assets, and improvements on the property; Size- 45 acres; Cost- \$68,113.50; Specific Role- 3D Scanning Project Manager conducting interior and exterior scans of the facilities on the property and ensuring scan deliverables met project specifications.</p>		
c.	Barnett Tower Floor Analysis – Tampa, FL	2023	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm		
	<p>Scope- Contracted to provide scanning to produce a 2D architectural floor plan to support floor flatness-analysis of the ground, first-floor, and rooftop. Size- 1 parcel; Cost- \$21,970; Specific Role- Project Manager/Scanning Operator responsible for conducting the 3D scan and providing the floor analysis compliant with scope of work requirements.</p>		
d.	Clearwater BandShell PCSA Scan – Clearwater, FL	2023	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm		
	<p>Scope- Contracted to provide a 3D scan of the current conditions of the under-construction amphitheater roof frame to determine misalignments. Deliverables included a 3D model to determine pitch, yaw, and rotation of the structure on site. Size- Site roof structure; Cost- \$20,715. Specific Role- Project Manager/Scanning Operator responsible for conducting the scan and providing the 3D model for analysis compliant with project specifications.</p>		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Ken Comeaux	LiDAR Manager / CP / GISP	A. TOTAL	B. WITH CURRENT FIRM
		36	7

15. FIRM NAME AND LOCATION *(City and State)*
SurvTech Solutions, Inc. | Decatur, Alabama

16. EDUCATION <i>(Degree and Specialization)</i>	17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i>
	Certified Photogrammetrist (ASPRS) #1485, Certified GIS Professional (GISCI) #00060795

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
 Mr. Comeaux has installed, integrated and operated airborne LiDAR and imaging sensors since the late 1990's from ZI Imaging, Leica, Riegl, and Teledyne/Optech, and mission planned thousands of aerial missions.

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	Port St. Lucie Inlet South Jetty – Martin County, FL	2023	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm		
	Scope- Contracted by Martin County to perform surveying services on a project site consisting of the Port St. Lucie Harbor Inlet, South Jetty, and coastal beaches west and south of the jetty in Martin County, Florida. Tasks included hydrographic surveying, including collecting multi-beam and side scan sonar for the subaqueous project area and UAV (unmanned aerial vehicle) LiDAR for the upland project area.; Size- approx. 210 acres Cost- \$82,651; Specific Role- Served as LiDAR Department Manager, created the flight plan, and managed the acquisition, calibration, and processing.		
b.	SWFWMD Lakes (Eagle, McLeod, Wailes, Starr) – Polk, Hardee Counties, FL	2022	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm		
	Scope- Contracted to perform a topographic and bathymetric survey of three lakes located in Polk and Hardee Counties. Tasks included multi-beam sonar survey of the lake bottoms, an aerial UAV LiDAR topographic survey of the uplands, and traditional land surveying for any gaps between the LiDAR and multi-beam data, as well as structures and pipes draining into or out of the lakes. Size- 16,127+ acres; Cost- \$74,745; Specific Role- Served as LiDAR Department Manager, created the flight plan, and managed the acquisition, calibration, and processing.		
c.	Palma Ceia Water Line Route Survey with Right- of-Way Determination FY18	2018	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm		
	Scope- SurvTech was tasked to perform a route (topographic) survey with right-of-way determination for design of a proposed water pipeline through the residential neighborhood of Palma Ceia, located in south Tampa. Tasks included horizontal and vertical control, utilizing RTK GPS and conventional surveying to locate topographic and planimetric features, and mobile LiDAR for mapping building faces and tree canopy drip lines along the route. Size- 4.6 linear miles; Cost- \$94,440; Specific Role- Served as LiDAR Department Manager, created the flight plan, and managed the acquisition, calibration, and processing.		
d.	TECO Panama City Express Gas Pipeline Route Survey – Panama City, FL	2020	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm		
	Scope- Contracted to perform a route survey, subsurface utility designation, boundary surveys , submerged lands surveys, hydrographic surveys, and construction stakeout; Acquired and processed airborne LiDAR in support of surveys; Size- 22.05 linear pipeline miles; Cost- \$739,880; Specific Role- Served as LiDAR Department Manager, created the flight plan, and managed the acquisition, calibration, and processing.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Mark C. Bickel, Jr	UAS Pilot-Operator	A. TOTAL	B. WITH CURRENT FIRM
		20	3

15. FIRM NAME AND LOCATION *(City and State)*
SurvTech Solutions, Inc. | Mulberry, Florida


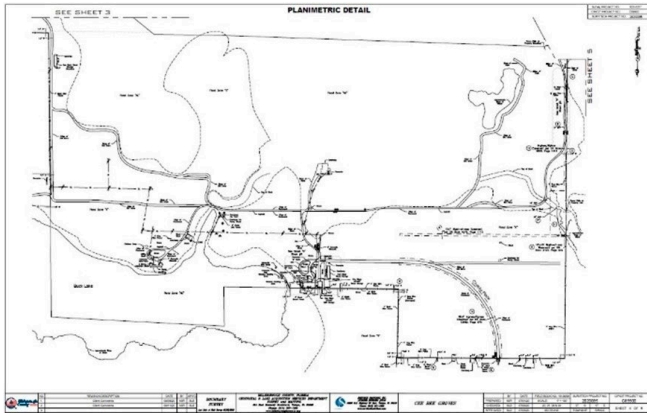
16. EDUCATION <i>(Degree and Specialization)</i>	17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i>
B.S., Business Management, Grand Canyon University	<ul style="list-style-type: none"> • FAA Part 107 Remote Pilot Certificate, March 2020 • Certificate - Government Flight Representative, Defense Acquisitions University, June 2017 • Certificate – Hunter Unmanned Aerial Vehicle Mechanic/Technician, Northrop Grumman Corporation, 2010 • Hunter Unmanned Aerial Vehicle Operator Course, US Army, February 2002


18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
 Mr. Bickel has 20 years of experience working with unmanned aerial systems (UAS). Beginning his career piloting aerial drones for the U.S. Military, he has obtained multiple certifications in technical operation and maintenance and clocked thousands of hours of flight time with unmanned aerial vehicles (UAV's).

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	Port St. Lucie Inlet South Jetty – Martin County, FL	2023	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm		
	Scope- Contracted by Martin County to perform surveying services on a project site consisting of the Port St. Lucie Harbor Inlet, South Jetty, and coastal beaches west and south of the jetty in Martin County, Florida. Tasks included hydrographic surveying, including collecting multi-beam and side scan sonar for the subaqueous project area and UAV (unmanned aerial vehicle) LiDAR for the upland project area.; Size- approx. 210 acres Cost- \$82,651; Specific Role- Served as UAV Department Manager/UAV Pilot overseeing the planning and execution of the project as well as piloting the UAV and conducting QA/QC.		
b.	SWFWMD Lakes (Eagle, McLeod, Wailes, Starr) – Polk, Hardee Counties, FL	2022	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm		
	Scope- Contracted to perform a topographic and bathymetric survey of three lakes located in Polk and Hardee Counties. Tasks included multi-beam sonar survey of the lake bottoms, an aerial UAV LiDAR topographic survey of the uplands, and traditional land surveying for any gaps between the LiDAR and multi-beam data, as well as structures and pipes draining into or out of the lakes. Size- 16,127+ acres; Cost- \$74,745; Specific Role- Served as UAV Department Manager/UAV Pilot overseeing the planning and execution of the project as well as piloting the UAV and conducting QA/QC.		
c.	Alico Property – Fort Meyers, FL	2020	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE [X] Check if project performed with current firm		
	Scope- Contracted to acquire and process aerial LiDAR data with a drone to provide a bare earth LAS point cloud and 1-foot contours. All topographic mapping was produced in strict adherence to the ASPRS Positional Accuracy Standards for Digital Geospatial Data. Size- Approximately 100 acres; Cost- \$4,988; Specific Role- Served as UAV Department Manager/UAV Pilot overseeing the planning and execution of the project as well as piloting the UAV and conducting QA/QC.		

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT		20. EXAMPLE PROJECT KEY NUMBER											
		01											
21. TITLE AND LOCATION (City and State)		22. YEAR COMPLETED											
City of DeBary Survey, Easement, and Plat Review – DeBary, Florida		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)										
		2021											
23. PROJECT OWNER'S INFORMATION													
a. PROJECT OWNER	b. POINT OF CONTACT NAME	C. POINT OF CONTACT TELEPHONE NUMBER											
City of DeBary	Matt Boerger, AICP, LEED AP	386-601-0203 mboerger@debary.org											
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)													
 <p>SurvTech Solutions performed professional surveyor and mapper review services for the City of DeBary. Review services include reviewing surveys, subdivision plats, easements, and sketches.</p> <p>SurvTech was issued a task order on its IDIQ contract with the City of DeBary, Florida to perform professional surveyor and mapping review services.</p> <p>Tasks performing professional surveyor and mapper review services for surveys, easements, sketches, and plats submitted to the City of DeBary. SurvTech's professional surveyor assigned to the project review would review the CAD files for the submitted documents. The first task was reviewing information of record for each survey, including title work, deeds, tax records, plats, easements, and other encumbrances. SurvTech's professional surveyors and mappers are all skilled in the use of Carlson Survey and perform CAD review themselves without having assistance from a CAD technician. This allows for the professional surveyor and mapper to have a better overall understanding of the project, and for that individual to perform a much more thorough review of the survey. The reviewing surveyor consulted City regulations, Florida Standards of Practice for surveying, and Florida Statutes Chapter 177.</p> <p>When performing the review, the professional surveyor maintained a professional attitude and did not critique differences in drafting or labeling if it meets all the required statutes and standards. After performing the initial review, the survey is reviewed by a second professional surveyor as a "peer review". After the peer review the two surveyors coordinate their comments and a report is issued with required revisions to meet city and state standards for the document that was submitted. The survey document was then resubmitted to SurvTech after revisions were made. The same review process took place as the original review, and another report was issued noting that the survey document is now compliant. For subdivision plats, mylar prints are then forwarded to SurvTech for the reviewing professional surveyor to sign for recording purposes.</p> <p>Relevance to this contract: This project demonstrates SurvTech's experience and expertise working directly with a government agency performing professional surveyor and mapping review services.</p>		<table border="1"> <thead> <tr> <th colspan="2">Project Data</th> </tr> </thead> <tbody> <tr> <td>Size: 2.50 Linear Miles</td> <td>Cost: \$15,000.00</td> </tr> <tr> <td colspan="2">Services: Professional surveyor and mapping review on incoming plats, surveys, easements, and sketches.</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th colspan="2">Tasks & Equipment</th> </tr> </thead> <tbody> <tr> <td colspan="2"> <ul style="list-style-type: none"> ▪ Plat review ▪ Easement review ▪ Florida Standards of Practice Review ▪ Title work review, including recorded deeds, plats, easements, and other encumbrances. ▪ CAD Drafting </td> </tr> </tbody> </table> 		Project Data		Size: 2.50 Linear Miles	Cost: \$15,000.00	Services: Professional surveyor and mapping review on incoming plats, surveys, easements, and sketches.		Tasks & Equipment		<ul style="list-style-type: none"> ▪ Plat review ▪ Easement review ▪ Florida Standards of Practice Review ▪ Title work review, including recorded deeds, plats, easements, and other encumbrances. ▪ CAD Drafting 	
Project Data													
Size: 2.50 Linear Miles	Cost: \$15,000.00												
Services: Professional surveyor and mapping review on incoming plats, surveys, easements, and sketches.													
Tasks & Equipment													
<ul style="list-style-type: none"> ▪ Plat review ▪ Easement review ▪ Florida Standards of Practice Review ▪ Title work review, including recorded deeds, plats, easements, and other encumbrances. ▪ CAD Drafting 													
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT													
a.	(1) Firm Name	(2) FIRM LOCATION (City and State)	(3) ROLE										
	SurvTech Solutions, Inc.	Tampa, Florida	Prime										

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT		20. EXAMPLE PROJECT KEY NUMBER																					
		02																					
21. TITLE AND LOCATION (City and State)		22. YEAR COMPLETED																					
Double Screen and Cee Bee Groves – Odessa, FL		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)																				
		2020																					
23. PROJECT OWNER'S INFORMATION																							
a. PROJECT OWNER	b. POINT OF CONTACT NAME	C. POINT OF CONTACT TELEPHONE NUMBER																					
Hillsborough County	Chris Snyder	813-307-4782 snyderc@hillsboroughcounty.org																					
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)																							
 <p>SurvTech Solutions performed a boundary survey with location of improvements for Hillsborough County.</p> <p>SurvTech was tasked by Hillsborough County to perform a boundary survey with location improvements on a project site covering 543 acres in Odessa, Florida. Tasks included establishing horizontal and vertical control with survey grade RTK GPS, planimetric location of visible improvements and utilities, including buildings, asphalt, concrete, tanks, piping, and miscellaneous improvements. The first task was project research and planning, which included reviewing all the historical boundary information, including previous boundary surveys, deeds, township plats and notes, and right-of-way maps. The research allowed for office personnel to create a boundary retracement map for the parcel. When the survey field personnel mobilized to the field, they were already equipped with a search map and search coordinates uploaded into their data collectors for boundary search points. Survey crews established horizontal control, utilizing a combination RTK and static GPS, and conventional traversing techniques. To collect boundary monumentation, only conventional traversing was utilized to minimize error. SurvTech was tasked with locating planimetric improvements and surface utilities on the plant site. All improvements within 5 feet each side of the boundary were located to determine if there was any encroachments or open and notorious evidence of servitudes (easements). SurvTech set monumentation at all boundary corners where monumentation was not found or held and performed certified corner records (CCRs) for all section corners. SurvTech's office staff downloaded data daily to give real time feedback to improve boundary retracement efficiency. With this project being an ALTA/ACSM land title survey, office personnel reviewed a title commitment for the site and plotted easements that affected the subject property. The title work was reviewed by both the CADD draftsmen and the professional surveyor and mapper (PSM). The survey was processed and drafted in Carlson Survey in AutoCAD format per Hillsborough County CADD standards.</p> <p>Relevance to this contract: This project demonstrates SurvTech's experience performing right-of-way, boundary surveys, horizontal and vertical geodetic control surveys, and survey review services.</p>		<table border="1"> <thead> <tr> <th colspan="2">Project Data</th> </tr> </thead> <tbody> <tr> <td>Fee:</td> <td>\$47,880</td> </tr> <tr> <td>Contract No.:</td> <td>220208351</td> </tr> <tr> <td>Project Area:</td> <td>543 acres</td> </tr> <tr> <td>Services:</td> <td>Boundary Survey, Location Improvements</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th colspan="2">Experience Pertinent to this Solicitation</th> </tr> </thead> <tbody> <tr> <td>▪</td> <td>Right-of-Way Surveys</td> </tr> <tr> <td>▪</td> <td>Horizontal and Vertical Control Geodetic Control Surveys</td> </tr> <tr> <td>▪</td> <td>Boundary Surveys</td> </tr> <tr> <td>▪</td> <td>Professional Surveying and Mapping Review Services</td> </tr> </tbody> </table>		Project Data		Fee:	\$47,880	Contract No.:	220208351	Project Area:	543 acres	Services:	Boundary Survey, Location Improvements	Experience Pertinent to this Solicitation		▪	Right-of-Way Surveys	▪	Horizontal and Vertical Control Geodetic Control Surveys	▪	Boundary Surveys	▪	Professional Surveying and Mapping Review Services
Project Data																							
Fee:	\$47,880																						
Contract No.:	220208351																						
Project Area:	543 acres																						
Services:	Boundary Survey, Location Improvements																						
Experience Pertinent to this Solicitation																							
▪	Right-of-Way Surveys																						
▪	Horizontal and Vertical Control Geodetic Control Surveys																						
▪	Boundary Surveys																						
▪	Professional Surveying and Mapping Review Services																						
																							
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT																							
a.	(1) Firm Name	(2) FIRM LOCATION (City and State)	(3) ROLE																				
	SurvTech Solutions, Inc.	Tampa, FL	Prime																				

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT		20. EXAMPLE PROJECT KEY NUMBER	
		03	
21. TITLE AND LOCATION <i>(City and State)</i>		22. YEAR COMPLETED	
Port St. Lucie Inlet South Jetty – Martin County, FL		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
		2023	
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER	
Martin County	Jessica Garland	772-288-5795 jgarland@martin.fl.us	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)			
 <p>SurvTech Solutions performed survey services along the Port St. Lucie Harbor Inlet area for Martin County.</p> <p>SurvTech was tasked by Martin County to perform surveying services on a project site covering approximately 210 acres consisting of the Port St. Lucie Harbor Inlet, South Jetty, and coastal beaches west and south of the jetty in Martin County, Florida. Tasks included hydrographic surveying, including collecting multi-beam and side scan sonar for the subaqueous project area and UAV (unmanned aerial vehicle) LiDAR for the upland project area. An area between the multi-beam sonar and UAV LiDAR was collected with RTK (real-time kinematic) GPS due to the limited depth of water and the inability of LiDAR to return data from a wet surface.</p> <p>Horizontal and Vertical Control – Control was established utilizing a combination of RTK GPS and static GPS across the project site.</p> <p>Multibeam – Sonar data was acquired at high tide. The vessel was a 25-foot survey vessel with a cabin and dual 115hp Yamaha outboard engines equipped with a Norbit iWBMS integrated wide band sonar. Hypack RTK tide values were cross-checked against a secondary RTK GPS rover and verified against nearby NGS Benchmarks.</p> <p>Side Scan Sonar – Data was acquired with an Edgetech 4125 side-scan data was processed using Sonar Wiz. Position data was acquired using Trimble PPK and manual layback.</p> <p>UAV LiDAR – A Harris H6 Hybrid (Gas/Electric) UAV equipped with a LiDAR USA Riegl Vux LiDAR sensor was used to collect high-density LiDAR data of the upland portion of the project. LiDAR data was collected with 30% overlap and over 100 points per square meter (PPSM). All data was processed as a cohesive, seamless data set and delivered as a .las file and a bathymetric/topographic heat map with contours for the subaqueous and upland ground surface.</p> <p>Relevance to this contract: This project demonstrates SurvTech's experience with topographic surveying, geodetic control surveys, nearshore hydrographic surveying, and aerial LiDAR from a UAV platform. SurvTech can collect upland and subaqueous data from numerous sensors and combine the data into a seamless dataset. The project included multi-sensor technologies, inertial measurement units (IMUs), and data fusion for the USACE, Jacksonville district, per SDSFIE standards. SurvTech provides the city with a company that can acquire data from conventional survey methods, subaqueous methods, aerial methods, and from the numerous platforms (UAV and boat).</p>		Project Data	
		<p>Fee: \$82,651.00 Project Area: approx. 210 acres Services: Topographic Survey, Hydrographic Survey, Conventional Survey, Aerial Imagery and LiDAR</p>	
		<ul style="list-style-type: none"> ▪ Hydrographic (Multi-Beam and Side Scan) Survey ▪ Topographic (UAV LiDAR) Survey ▪ RTK GPS Cross Sections ▪ Aerial Imagery and LiDAR Acquisition ▪ Horizontal and Vertical Control 	
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) Firm Name	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
	SurvTech Solutions, Inc.	Tampa, FL	Prime

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT		20, EXAMPLE PROJECT KEY NUMBER													
		04													
21. TITLE AND LOCATION (City and State)		22. YEAR COMPLETED													
Port Tampa Bay Corporex Park ALTA/NSPS Land Title Boundary, Topographic, and Tree Survey – Tampa, FL		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)												
		2020													
23. PROJECT OWNER'S INFORMATION															
a. PROJECT OWNER	b. POINT OF CONTACT NAME	C. POINT OF CONTACT TELEPHONE NUMBER													
Port Tampa Bay	Craig Kurial, PLS	813-905-5029 ckurial@tampaport.com													
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)															
 <p>SurvTech Solutions performed a ALTA/NSPS Land Title Boundary, Topographic, and Tree (Design) survey for Port Tampa Bay for acquisition and design purposes.</p> <p>SurvTech is a subconsultant on two (2) continuing services contracts with the Port and was tasked by the by the Port survey department to perform the survey services through a continuing contract WSP. The site consisted of approximately 7.322-acres.</p> <p>Tasks included establishing horizontal and vertical control with survey grade static and RTK GPS, and differential leveling. Field personnel located boundary evidence (monumentation), planimetric features, topography, and trees. Planimetric features included visible evidence of subsurface utilities, overhead utilities, asphalt, concrete, fences, and miscellaneous improvements. The first task was research and planning, which included reviewing all the historical boundary information, including previous boundary surveys, deeds, plats, and right-of-way maps. The research allowed for office personnel to create a boundary retracement map for the field crews to be armed with state plane coordinates for "search" points for boundary retracement. Survey field personnel were already equipped with a search map and search coordinates uploaded into to their data collectors. To collect boundary monumentation, only static GPS and conventional traversing was utilized to minimize error. Field personnel again utilized RTK GPS and conventional total stations to locate topography, trees and planimetric features, including all visible utilities. All improvements within 5 feet each side of the boundary were located, and any evidence of easement, such as ingress/egress was located to depict open and notorious evidence of encroachments or servitudes (easements). SurvTech set monumentation at all boundary corners where monumentation was not found. SurvTech's office staff downloaded data daily to give real time feedback to improve boundary retracement efficiency. With this project being an ALTA/NSPS land title survey, office personnel reviewed a title commitment for the site and plotted easements that affected the subject property. The title work was reviewed by both the CADD draftsmen and the professional surveyor and mappers (PSMs). The survey was processed and drafted in Carlson Survey in AutoCAD format per Port CADD standards.</p> <p>Relevance to this contract: This project demonstrates SurvTech's experience and expertise working directly with a government agency performing an ALTA/NSPS land title boundary, topographic, and tree survey for acquisition and design purposes. SurvTech is experienced working with Florida agencies.</p>		<table border="1"> <thead> <tr> <th colspan="2" style="background-color: #003366; color: white;">Project Data</th> </tr> </thead> <tbody> <tr> <td>Fee:</td> <td>\$9813.82</td> </tr> <tr> <td>Size:</td> <td>7.322-acres</td> </tr> <tr> <td>Services:</td> <td>ALTA/NSPS Land Title Boundary, Topographic, and Tree (Design) Survey with Location of Improvements</td> </tr> <tr> <th colspan="2" style="background-color: #003366; color: white;">Tasks & Equipment</th> </tr> <tr> <td colspan="2"> <ul style="list-style-type: none"> ▪ Established horizontal control with GPS (RTK & Static) and Conventional Traversing. ▪ Planimetric and Topographic mapping with RTK GPS and total stations. ▪ Subdivision Retracement ▪ AutoCAD deliverables. </td> </tr> </tbody> </table>		Project Data		Fee:	\$9813.82	Size:	7.322-acres	Services:	ALTA/NSPS Land Title Boundary, Topographic, and Tree (Design) Survey with Location of Improvements	Tasks & Equipment		<ul style="list-style-type: none"> ▪ Established horizontal control with GPS (RTK & Static) and Conventional Traversing. ▪ Planimetric and Topographic mapping with RTK GPS and total stations. ▪ Subdivision Retracement ▪ AutoCAD deliverables. 	
Project Data															
Fee:	\$9813.82														
Size:	7.322-acres														
Services:	ALTA/NSPS Land Title Boundary, Topographic, and Tree (Design) Survey with Location of Improvements														
Tasks & Equipment															
<ul style="list-style-type: none"> ▪ Established horizontal control with GPS (RTK & Static) and Conventional Traversing. ▪ Planimetric and Topographic mapping with RTK GPS and total stations. ▪ Subdivision Retracement ▪ AutoCAD deliverables. 															
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT															
a.	(1) Firm Name	(2) FIRM LOCATION (City and State)	(3) ROLE												
	SurvTech Solutions, Inc.	Tampa, Florida	Prime												

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT		20. EXAMPLE PROJECT KEY NUMBER 05	
21. TITLE AND LOCATION (<i>City and State</i>)		22. YEAR COMPLETED	
City of Port St. Lucie Fiber Crossings – Ft. Pierce, FL		PROFESSIONAL SERVICES	CONSTRUCTION (<i>If applicable</i>)
		2021	
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER	b. POINT OF CONTACT NAME	C. POINT OF CONTACT TELEPHONE NUMBER	
Tower Engineering Professionals	Patrick Musseau	813-447-0588 pmusseau@tepgroup.net	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)			



SurvTech performed upland and subaqueous x-sections for under-canal utility crossings on eight (8) canals in Port St. Lucie.

This project involved surveying support for Tower Engineering, which was designing fiber optic networks for the City of Port St. Lucie along West Midway Road. Permitting was required for eight canal crossings, six within the North St. Lucie Water Control District and two within FDEP's jurisdiction. SurvTech provided upland and subaqueous x-sections on eight under-canal utility crossings to support the permitting process.

SurvTech acquired topographic data (northing, easting, elevation) on set transect lines provided by the client at all grade changes and a maximum interval of 12.5 feet. Elevations were depicted to 0.01 feet on hard surfaces (concrete and pavement) and 0.10 feet on soft surfaces (natural ground). All significant grade changes were acquired, such as the edge of pavement, top of banks, and toe of slopes. Survey crews established a minimum of two benchmarks utilizing RTK (real-time kinematic) GPS with an absolute accuracy of +/- 0.1 U.S. survey feet. The x-sections included survey data on all pipes, including attribute information such as pipe material, size, and inverts. Headwalls, wing walls, culverts, mitered end sections, and control structures were also located, measured, and detailed when warranted. Detailed information on control structures included weir area and elevations.

The horizontal datum was NAD 1983 (2011) Florida East zone state plane coordinates (latitude/longitude), U.S. survey feet. The vertical datum was NAVD 88, U.S. survey feet. The final surveys were drafted in AutoCAD AutoCAD format, and deliverables included the CADD files and an Adobe PDF format. Final drawings were provided at a standard scale on an ANSI standard "D" size (24" x 36") title block. They were submitted as full-size copies, certified and sealed, dated, and signed by a Florida Professional Surveyor and Mapper.

Relevance to this contract: This project demonstrates SurvTech's experience working in the Port St. Lucie area, performing traditional land surveying work utilizing a combination of RTK GPS, conventional surveying, and hand-drawn sketches and field notes. The field work included upland and subaqueous fieldwork, with automated data collection, attribution, office processing, and CADD drafting with AutoCAD, per client CADD standards.

Project Data
Fee: \$9,260 Project Size: 8 utility canal crossings Services Provided: Survey, Cross Sections, Transects Project was completed on schedule and within budget.
Experience Pertinent to this Solicitation
<ul style="list-style-type: none"> • Horizontal and Vertical Control • Utility Survey • Cross Section Survey



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) Firm Name	(2) FIRM LOCATION (<i>City and State</i>)	(3) ROLE
	SurvTech Solutions, Inc.	Tampa, Florida	Subcontractor
b.	Tower Engineering Professionals	Tampa, Florida	Prime

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT		20. EXAMPLE PROJECT KEY NUMBER															
		06															
21. TITLE AND LOCATION (<i>City and State</i>)		22. YEAR COMPLETED															
Force Main "A" Route Survey with Right-of-way Determination and SUE Services – Temple Terrace, FL		PROFESSIONAL SERVICES	CONSTRUCTION (<i>If applicable</i>)														
		2019															
23. PROJECT OWNER'S INFORMATION																	
a. PROJECT OWNER	b. POINT OF CONTACT NAME	C. POINT OF CONTACT TELEPHONE NUMBER															
City of Temple Terrace	Troy Tinch – Public Works Utilities Director	(813) 506-6570 troy.tinch@templeterrace.com															
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)																	
 <p>SurvTech Solutions Performed a Route Survey with Right-of-way Determination and Subsurface Utility Designation Levels "A, B, & C".</p> <p>SurvTech was tasked with performing a 0.5-mile route (topographic, tree, and planimetric location) survey with right-of-way determination, and SUE (subsurface utility engineering) designation and verification services for design of a proposed waterline. The route was along Ridgedale Road, Caroline Street, and Amber Lane through the Temple Terrace residential neighborhood.</p> <p>SurvTech established horizontal and vertical control, set a survey baseline, and utilized RTK GPS and conventional surveying to locate topographic and planimetric features, as well as boundary monumentation for the right-of-way determination. SurvTech's field personnel utilized static and RTK GPS combined with conventional traversing to establish horizontal control throughout the project site, including survey baselines with references. The horizontal datum was NAD 1983 Florida West state plane zone, and the units were U.S. survey feet. To establish vertical control field personnel performed a closed loop differential level run between two city of Tampa benchmarks. The vertical datum was NAVD 88. The field personnel also performed sketches of the route including the drainage and sanitary sewer systems. The sketches depicted features along the route as well as details about the structures, such as pipe sizes, pipe material, pipe direction, and flow direction.</p> <p>The office staff processed the field data daily utilizing Carlson survey. By processing the survey data daily, field crews were given daily direction which was instrumental with boundary retracement and right-of-way determination. CAD drafting was performed with Civil3D per city standards utilizing set layers, blocks, and text sizes, on the city's plan and profile title blocks. SurvTech utilized a combination of technologies on the project, including conventional surveying (total stations and digital levels), and RTK (real time kinematic) GPS. RTK GPS was only utilized in open areas without overhead obstructions.</p> <p>Relevance to this contract: This project demonstrates experience performing topographic surveying and mapping, horizontal and vertical control networks, data in AutoCAD format, and ensuring all surveying and mapping was performed adhering to Water Department Survey and Drafting Standards for a local municipality in Florida.</p>		<table border="1"> <thead> <tr> <th colspan="2" style="background-color: #002060; color: white;">Project Data</th> </tr> </thead> <tbody> <tr> <td colspan="2">SurvTech Fee: \$30,540.00</td> </tr> <tr> <td colspan="2">Size: 0.5-miles.</td> </tr> <tr> <td colspan="2">Services: Route (Topographic) Survey with Right-of-way Determination and SUE services.</td> </tr> <tr> <td colspan="2">Completed on time and on budget.</td> </tr> <tr> <th colspan="2" style="background-color: #002060; color: white;">Experience Pertinent to this Solicitation</th> </tr> <tr> <td colspan="2"> <ul style="list-style-type: none"> ▪ Right-of-Way Surveys ▪ Topographic Surveys ▪ Utility Location Surveys (SUE - Vacuum Excavations, GPR) ▪ Horizontal and Vertical Control Network ▪ Survey of Baselines and Related Elevations and Inverts ▪ Conventional Surveying ▪ Other Means to Verify Locations of Underground Utilities ▪ AutoCAD Format </td> </tr> </tbody> </table>		Project Data		SurvTech Fee: \$30,540.00		Size: 0.5-miles.		Services: Route (Topographic) Survey with Right-of-way Determination and SUE services.		Completed on time and on budget.		Experience Pertinent to this Solicitation		<ul style="list-style-type: none"> ▪ Right-of-Way Surveys ▪ Topographic Surveys ▪ Utility Location Surveys (SUE - Vacuum Excavations, GPR) ▪ Horizontal and Vertical Control Network ▪ Survey of Baselines and Related Elevations and Inverts ▪ Conventional Surveying ▪ Other Means to Verify Locations of Underground Utilities ▪ AutoCAD Format 	
Project Data																	
SurvTech Fee: \$30,540.00																	
Size: 0.5-miles.																	
Services: Route (Topographic) Survey with Right-of-way Determination and SUE services.																	
Completed on time and on budget.																	
Experience Pertinent to this Solicitation																	
<ul style="list-style-type: none"> ▪ Right-of-Way Surveys ▪ Topographic Surveys ▪ Utility Location Surveys (SUE - Vacuum Excavations, GPR) ▪ Horizontal and Vertical Control Network ▪ Survey of Baselines and Related Elevations and Inverts ▪ Conventional Surveying ▪ Other Means to Verify Locations of Underground Utilities ▪ AutoCAD Format 																	
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT																	
a.	(1) Firm Name	(2) FIRM LOCATION (<i>City and State</i>)	(3) ROLE														
	SurvTech Solutions, Inc.	Tampa, Florida	Prime														

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT	20. EXAMPLE PROJECT KEY NUMBER 07
---------------------------------------------------------------------------------------------------	---------------------------------------------

21. TITLE AND LOCATION <i>(City and State)</i>	22. YEAR COMPLETED	
SWFWMD Lakes (Eagle, McLeod, Wailes, Starr) – Polk, Hardee Counties, FL	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
	2021	

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
SWFWMD	T.J. Venning	352-269-5980 tj.venning@swfwmd.state.fl.us

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)



SurvTech Solutions performed aerial topographic surveys and hydrographic surveys of multiple lakes for SWFWMD.

The SWFWMD required surveying and mapping services to provide hydrographic lake bottom and topographic survey information in support of their mission under the Priority List and Schedule for the Establishment of Minimum Flows, Minimum Water Levels, and Reservations. This project included Lakes Eagle, McLeod, Wailes, and Starr in Polk County, Florida.

SurvTech performed a multi-beam sonar survey of the lake bottoms, an aerial UAV LiDAR topographic survey of the uplands, and traditional land surveying for any gaps between the LiDAR and multi-beam data, as well as structures and pipes draining into or out of the lakes. The multi-beam surveys were performed with SurvTech's one-man multi-beam vessel. The one-man vessel was outfitted by SurvTech to carry our Norbit MBES multi-beam system. The upland was mapped with our UAV (unmanned aerial vehicle) equipped with LiDAR USA's Snoopy LiDAR system. The three datasets (multi-beam sonar, UAV LiDAR, and ground survey) were merged utilizing TerraSolid software. Final surveys were produced utilizing Carlson Survey 2022 (AutoCAD) and Bentley Power InRoads. The deliverables were a topographic survey in AutoCAD (.dwg) format, a digital elevation model (DEM), and digital terrain model (DTM). All surveying services were performed in accordance with Chapter 5J-17, Florida Administrative Code and "The Florida Standards of Practice for Surveying and Mapping". Additionally, procedures and data were compliant with the SWFWMD's District Survey Requirements and Survey Specifications and Standards.



Project Data

Size: +/- 16,127 Acres
Cost: \$74,745
Completion Date: October 2022
Services: Horizontal and Vertical Control, Aerial LiDAR Topographic Survey, Specific Purpose Surveys, Hydrographic Surveys, Peer Review, General Surveying
No change orders or time extensions.


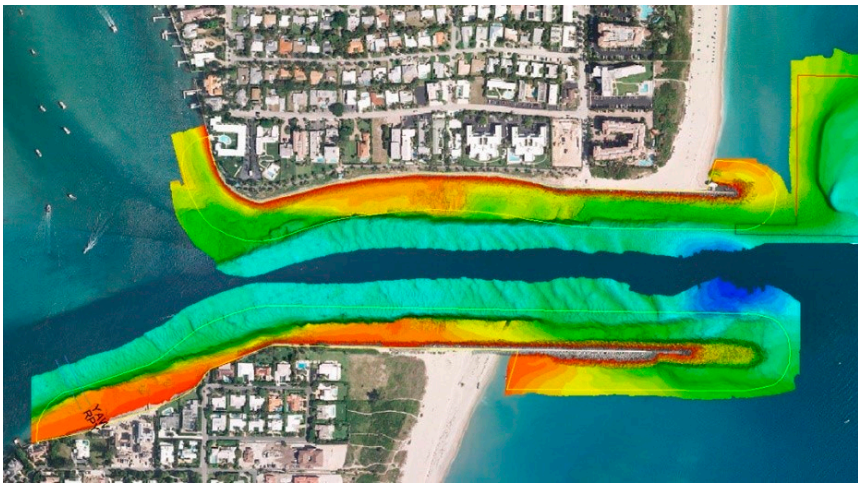
Experience Pertinent to this Solicitation

- **Horizontal and Vertical Control**
- **Aerial LiDAR Topographic Surveys.**
- **Hydrographic Surveying**


Relevance to this contract: This project demonstrates SurvTech's experience and expertise in providing horizontal and vertical control, aerial mapping, and hydrographic surveying in support of a Florida state agency.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) Firm Name	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
	SurvTech Solutions, Inc.	Tampa, Florida	Prime

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT		20. EXAMPLE PROJECT KEY NUMBER													
		08													
21. TITLE AND LOCATION <i>(City and State)</i>		22. YEAR COMPLETED													
Lake Worth Inlet Jetties Multi-Beam Hydrographic Survey and Mobile Terrestrial Laser Scan – Palm Beach, FL		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>												
		2019													
23. PROJECT OWNER'S INFORMATION															
a. PROJECT OWNER	b. POINT OF CONTACT NAME	C. POINT OF CONTACT TELEPHONE NUMBER													
USACE - Jacksonville	Darin Moore, PSM	904-232-2471 darin.l.moore@usace.army.mil													
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>															
 <p>US Army Corps of Engineers</p> <p>SurvTech Solutions has performed a multi-beam hydrographic survey, terrestrial laser scanning and mobile laser scanning survey for the USACE - Jacksonville District, in Jacksonville Florida.</p> <p>The project was in Palm Beach County, Florida. The area surveyed was the inlet channel plus the north and south jetties of Lake Worth Inlet. The task consisted of obtaining multi-beam hydrographic data, mobile LiDAR from a boat and terrestrial LiDAR to capture the current conditions both above and below water of the inlet jetties for the purpose of planning, design and hydrographic modeling. Multibeam – Sonar data was acquired at high tide. The vessel used was a 10-foot zego pontoon boat equipped with a Norbit iWBMS integrated wide band sonar. Hypack RTK tide values were cross checked against a secondary GPS rover, verified against a nearby NGS Benchmark. Side Scan Sonar – Data was acquired with a Edgetech 4125 Sidescan data was processed using Sonar Wiz. Position data was acquired using hemisphere DGPS and manual layback. Mobile Scanning - acquired mobile scanning data at low tide with a Lidar USA Snoopy Velodyne HDL-32E laser scanner and Novatel Stim-300 INS system. SurvTech established control with 9-inch sphere targets to verify scan positional accuracy. Position and motion data were collected using the integrated Novatel Stim-300 INS system and post processed using Inertial explorer. Terrestrial Scanning – A Faro X330 scanner was used to collect high density scan data using a distributed network of scanner spheres located over survey control points. Scans were approximately 100 feet apart to ensure data overlap and accuracy. Final registration and georeference were performed in FARO Scene software to meet minimum accuracy standards as required per scope of work. All data was processed and delivered as a cohesive seamless data set and delivered as a point cloud.</p>	<table border="1"> <thead> <tr> <th colspan="2" style="background-color: #002060; color: white;">Project Data</th> </tr> </thead> <tbody> <tr> <td colspan="2">Fee: \$24,098.67</td> </tr> <tr> <td colspan="2">Project Area: approx. 75 acres</td> </tr> <tr> <td colspan="2">Services: Terrestrial LiDAR, Mobile LiDAR, Hydrographic Survey, Ground control Network</td> </tr> <tr> <th colspan="2" style="background-color: #002060; color: white;">Experience Pertinent to this Solicitation</th> </tr> <tr> <td colspan="2"> <ul style="list-style-type: none"> - Topographic Surveys - Terrestrial LiDAR Scanning - Mobile LiDAR Scanning - GPS </td> </tr> </tbody> </table>	Project Data		Fee: \$24,098.67		Project Area: approx. 75 acres		Services: Terrestrial LiDAR, Mobile LiDAR, Hydrographic Survey, Ground control Network		Experience Pertinent to this Solicitation		<ul style="list-style-type: none"> - Topographic Surveys - Terrestrial LiDAR Scanning - Mobile LiDAR Scanning - GPS 			
Project Data															
Fee: \$24,098.67															
Project Area: approx. 75 acres															
Services: Terrestrial LiDAR, Mobile LiDAR, Hydrographic Survey, Ground control Network															
Experience Pertinent to this Solicitation															
<ul style="list-style-type: none"> - Topographic Surveys - Terrestrial LiDAR Scanning - Mobile LiDAR Scanning - GPS 															
<p>Relevance to this contract: This project demonstrates SurvTech's experience with utilizing LiDAR and GPS for topographic surveys. It is also an excellent example of SurvTech's expertise with combining data sets from various technologies into a seamless data set to capture current conditions.</p>															
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT															
a.	(1) Firm Name	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE												
	SurvTech Solutions, Inc.	Tampa, FL	Prime (Survey & Mapping)												

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT		20, EXAMPLE PROJECT KEY NUMBER													
		09													
21. TITLE AND LOCATION (City and State)		22. YEAR COMPLETED													
Palma Ceia Water Line Route Survey with Right- of-Way Determination FY18 - Tampa, Florida		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)												
		2018													
23. PROJECT OWNER'S INFORMATION															
a. PROJECT OWNER	b. POINT OF CONTACT NAME	C. POINT OF CONTACT TELEPHONE NUMBER													
City of Tampa	Andre J. Bien-Aime, PE	(813) 274-8593 andre.bien-aime@tampagov.net													
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)															
 <p>SurvTech Solutions Performed a Route Survey with Right-of- way Determination.</p> <p>SurvTech was tasked to perform a route (topographic) survey with right-of-way determination for design of a proposed water pipeline. The route was 4.6-miles of right-of-way through the residential neighborhood of Palma Ceia, located in south Tampa.</p> <p>SurvTech established horizontal and vertical control, set a survey baseline, and utilized RTK GPS and conventional surveying to locate topographic and planimetric features, as well as boundary monumentation for the right-of-way determination. SurvTech's field personnel utilized static and RTK GPS combined with conventional traversing to establish horizontal control throughout the project site, including survey baselines with references. The horizontal datum was NAD 1983 Florida West state plane zone, and the units were U.S. survey feet. To establish vertical control field personnel performed a closed loop differential level run between two (2) city of Tampa benchmarks. The equipment utilized was a Sokkia SDL 30 digital level reading a bar-coded rod. The field personnel also performed sketches of the route, including drainage and sanitary sewer sketches. The sketches depicted features along the route, as well as details of the structures, such as pipe sizes, pipe material, and pipe direction, and flow direction. SurvTech field personnel determined that mobile LiDAR would be more efficient for mapping building faces and tree canopy drip lines, so SurvTech's mobile mapping team utilized our LiDAR USA Snoopy system (Velodyne HDL 32 and Novatel IMU and GPS) to acquire mobile LiDAR for the route. The office staff processed the field data daily utilizing Carlson survey, and the mobile LiDAR was processed with TerraSolid. By processing the survey data daily, field crews were given daily direction, which was instrumental with boundary retracement and right-of-way determination. CAD Drafting was performed with Civil3D per city standards, utilizing set layers, blocks, and text sizes, on the city's plan and profile title blocks. SurvTech utilized a combination of technologies on the project, including conventional surveying (totalstations and digital levels), RTK (real time kinematic) GPS and mobile LiDAR. RTK GPS was only utilized in open areas without overhead obstructions. Mobile LiDAR was utilized to collect the face of all the residences and the tree canopy drip lines.</p> <p>Relevance to this contract: This project demonstrates experience performing topographic surveying and mapping, horizontal and vertical control networks, LiDAR by vehicular mounted units, and ensuring all surveying and mapping was performed adhering to Water Department Survey and Drafting Standards for a Florida City.</p>		<table border="1"> <thead> <tr> <th colspan="2">Project Data</th> </tr> </thead> <tbody> <tr> <td>Fee:</td> <td>\$94,440</td> </tr> <tr> <td>Size:</td> <td>4.6 linear miles</td> </tr> <tr> <td>Services:</td> <td>Route (Topographic) Survey with Boundary and Right-of-way Determination and Mapping. Completed on schedule and on budget.</td> </tr> <tr> <th colspan="2">Experience Pertinent to this Solicitation</th> </tr> <tr> <td colspan="2"> <ul style="list-style-type: none"> ▪ Topographic Surveying and Mapping ▪ Horizontal and Vertical Control Network ▪ Survey of Baselines and Related Elevations and Inverts ▪ Conventional Surveying ▪ Mobile LiDAR Other Terrestrial or Vehicular Mounted Units ▪ Adherence to Water Department Survey and CADD Standards </td> </tr> </tbody> </table>		Project Data		Fee:	\$94,440	Size:	4.6 linear miles	Services:	Route (Topographic) Survey with Boundary and Right-of-way Determination and Mapping. Completed on schedule and on budget.	Experience Pertinent to this Solicitation		<ul style="list-style-type: none"> ▪ Topographic Surveying and Mapping ▪ Horizontal and Vertical Control Network ▪ Survey of Baselines and Related Elevations and Inverts ▪ Conventional Surveying ▪ Mobile LiDAR Other Terrestrial or Vehicular Mounted Units ▪ Adherence to Water Department Survey and CADD Standards 	
Project Data															
Fee:	\$94,440														
Size:	4.6 linear miles														
Services:	Route (Topographic) Survey with Boundary and Right-of-way Determination and Mapping. Completed on schedule and on budget.														
Experience Pertinent to this Solicitation															
<ul style="list-style-type: none"> ▪ Topographic Surveying and Mapping ▪ Horizontal and Vertical Control Network ▪ Survey of Baselines and Related Elevations and Inverts ▪ Conventional Surveying ▪ Mobile LiDAR Other Terrestrial or Vehicular Mounted Units ▪ Adherence to Water Department Survey and CADD Standards 															
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT															
a.	(1) Firm Name	(2) FIRM LOCATION (City and State)	(3) ROLE												
	SurvTech Solutions, Inc.	Tampa, Florida	Prime												

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT		20. EXAMPLE PROJECT KEY NUMBER	
		10	
21. TITLE AND LOCATION (<i>City and State</i>)		22. YEAR COMPLETED	
Banner Lake Route Survey – Hobe Sound, FL		PROFESSIONAL SERVICES	CONSTRUCTION (<i>If applicable</i>)
		2021	
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER	
Martin County Public Works	Thomas Walker, PSM	772-285-5928 twalker@martin.fl.us	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)			
 <p>SurvTech Solutions performed a route (topographic and tree) survey without right-of-way determination for Martin County Public Works.</p> <p>SurvTech was issued a task order on its IDIQ contract with Martin County, Florida, to perform a route survey of all the streets in Banner Lakes Subdivision on a 30-day schedule. Tasks included establishing horizontal and vertical geodetic control with survey grade static and RTK GPS and differential leveling: field personnel located topographic and planimetric features, including trees. Planimetric features included visible evidence of subsurface utilities, overhead utilities, asphalt, concrete, fences, and miscellaneous improvements. The first task was research and planning, which included reviewing horizontal and vertical control in the area. The research allowed office personnel to create a field reconnaissance map for the field crews to recover existing horizontal and vertical control stations. Field personnel utilized a combination of static and RTK (real-time kinematic) GPS, conventional traversing, and closed-loop differential leveling to minimize error. A least-squares adjustment was utilized to determine each control station's horizontal coordinates. RTK GPS and conventional total stations were also utilized to locate topography, trees, and planimetric features, including visible evidence of underground utilities and overhead utilities. Field personnel utilized advanced feature coding on Carlson Surveyor2 data collectors to identify point features and line features. The same data collectors and feature coding are used for network RTK GPS, base/rover RTK GPS, and conventional (total station) data collection. Field personnel were required to obtain a finish floor elevation for every residence in the subdivision. Elevating the finish floor of each subdivision was performed utilizing closed-loop differential leveling from temporary benchmarks (TBMs) set through the project limits. The TBMs also serve as horizontal control stations for the project's construction phase. Field personnel downloaded their data daily, and office personnel processed the data the following day to review survey coverage and overall efficiency. For QA/QC (quality assurance/quality control), office personnel reviewed all level runs, including vertical checkpoints, to ensure the accuracy of the control stations.</p> <p>Relevance to this contract: This project demonstrates SurvTech's experience and expertise in performing route surveys in the geographic region of this solicitation, utilizing RTK GPS and conventional surveying technology for data collection, and successfully completing a project for a local municipal government on budget and on schedule.</p>		<p style="text-align: center;">Project Data</p> <p>Fee: \$39,120 Project Area: 2.5 linear miles Services: Route Survey - Topographic and Tree Survey Schedule: Delivered on time. Budget: Delivered on budget.</p>	
		<p style="text-align: center;">Experience Pertinent to this Solicitation</p> <ul style="list-style-type: none"> ▪ Established Horizontal and Vertical Control ▪ Located Planimetric Features ▪ Located Topography including Break Lines and Spot Elevations ▪ Conventional Surveying ▪ RTK GPS (Network and Base/Rover) ▪ Martin County CADD Standards 	
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) Firm Name	(2) FIRM LOCATION (<i>City and State</i>)	(3) ROLE
	SurvTech Solutions, Inc.	Tampa, FL	Prime

G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

26. NAMES OF KEY PERSONNEL (From Section E, Block 12)	27. ROLE IN THIS CONTRACT (From Section E, Block 13)	28. EXAMPLE PROJECTS LISTED IN SECTION F (Fill in "Example Projects Key" section below before completing table. Place "X" under project key number for participation in same or similar role.)									
		1	2	3	4	5	6	7	8	9	10
David O'Brien	Principal-In-Charge / PSM	X	X	X	X	X	X	X	X	X	X
Ben Stinson	Project Manager / PSM		X	X	X		X	X		X	X
Adam Regling	Project Surveyor / PSM			X		X		X			X
Stacy Brown	Project Surveyor / PSM		X	X	X	X	X	X	X	X	X
Henry Simpkins	Hydrographic Surveyor / PSM			X				X	X		
Javier E. Bidot (subcontractor)	Professional Surveyor & Mapper / PSM										
Lyman Hill	Party Chief		X		X		X	X	X	X	X
Jose Erazo	Party Chief					X					
Anthony Zeo	Party Chief										
Damelis DeRoche	Senior CAD Technician	X	X				X	X	X	X	
Chris Criner	CAD Technician					X					X
Kyle Quibell	CAD Technician				X			X			X
Fabiano Santos	3D Scanning Manager										
Kenneth Comeaux	LiDAR Manager			X				X		X	
Mark Bickel	UAV Pilot Operator			X				X			

29. EXAMPLE PROJECTS KEY

NO.	Title Of Example Project (From Section F)	NO.	Title Of Example Project (From Section F)
1	City of DeBary Survey, Easement, and Plat Review	6	Temple Terrace Force Main "A" Route Survey with Right-of-way Determination and SUE Services
2	Double Screen and Cee Bee Groves	7	SWFWMD Lakes (Eagle, McLeod, Wailes, Starr)
3	St. Lucie Inlet South Jetty	8	Lake Worth Inlet Jetties Multi-Beam and Side-Scan Hydrographic Survey, Mobile LiDAR, and Terrestrial LiDAR
4	Port Tampa Bay Corporex Park	9	Palma Ceia FY18
5	Port St. Lucie Fiber Crossings	10	Banner Lake Route Survey

Synopsis on services to be provided:

Topographical Surveys: SurvTech has the personnel and equipment to support more than twenty (20) fully equipped survey crews with four-wheel drive vehicles and approved electronic total station surveying instruments and related equipment. SurvTech has performed thousands of topographic surveys utilizing conventional surveying equipment, RTK GPS, aerial LiDAR and imagery from fixed wing aircraft, aerial LiDAR and photogrammetry from UAV's, mobile scanning from boats and automobiles, and terrestrial scanning. For conventional and RTK topographic mapping our field personnel utilize data collection with feature codes to create symbols, planimetric linework, and break lines for DTM creation. Feature coding has been utilized on every surveying project since SurvTech was established. Our field personnel and office staff have worked with feature coding for symbolization and line work, including 2D and 3D break lines. SurvTech utilizes an extensive feature code list and layering system based upon the USACE layering system. The SurvTech team offers a myriad of options for data collection and processing including Trimble, Carlson, and Bentley products. SurvTech field personnel routinely split two-man crews into 2 data collection units. We routinely run two RTK rovers off one base station or one RTK rover and one instrument man collecting reflectorless measurements to power poles, buildings and other vertical features. Field personnel can draft much of the project by utilizing feature codes that draw linework, symbols, 3D break lines, and create curves and close rectangles, such as buildings or concrete pads. SurvTech field personnel operate survey-grade GPS units daily performing static, fast static, PPK (post processed kinematic) and RTK (real time kinematic) GPS. The team's GPS experience includes utilizing code and carrier phase L1-L2 receivers. Feature coding break lines, planimetric features, and point symbols are part of SurvTech's everyday workload.

SurvTech also has the ability to collect topography with LiDAR. SurvTech's LiDAR collection platforms include terrestrial (tripod), mobile (boats, automobiles, and ATVs), aerial LiDAR (UAVs, airplanes, and helicopters). SurvTech utilizes these LiDAR methods daily to collect and supplement ground surveys. We have the backend processing to utilize LiDAR and combine it with ground surveying to produce a topographic survey per client requirements. Deliverables can include a 2D topographic survey with spot elevations and contours, digital terrain model (DTM), and a digital elevation model (DEM). SurvTech can merge topographic data from any platform to deliver a topographic survey.

Boundary Surveys: SurvTech has performed small and large boundary surveys across the United States. SurvTech has performed private and public surveys throughout multiple states for public and private entities. As a CFedS's Mr. O'Brien has been trained and certified by the BLM on working with the Public Land Survey System (PLSS), including fractional surveys, submerged and low lying (swamp) lands, Mean High Water surveys, island surveys, and specific monumentation requirements. Performing cadastral (boundary) surveying is much different than performing engineering surveys. Engineering surveys are based upon mathematics, while boundary surveying is based upon retracement of historical surveys. Math is an exact science, while boundary retracement is the combination of math, history, legal principals, persistence and intuition, where the surveyor must not search for the mathematically correct answer, but the historically correct answer.

Right-Of-Way Location Surveys: SurvTech personnel have performed right-of-way control surveying, mapping and acquisition for the Florida Department of Transportation, and municipalities around the state. Utilizing a combination of GPS and conventional surveying SurvTech established the control map for the mapping of the right-way acquisition parcels. The control map establishes subdivision boundaries and the public land survey system (PLS) corners that affect the right-of-way acquisition corridor. Title work is performed for each parcel that right-of-way is being acquired for, and the parcel boundaries are established. From the parcel boundaries, right-of-way take parcels are created for each parcel. Parcels are checked for closure, overlaps, gores, and gaps. With SurvTech's abundance of professional surveyors on right-of-way mapping projects, there is a senior professional surveyor and mapper (PSM) that manages the project, and a junior PSM who is the senior

H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACHED ADDITIONAL SHEETS AS NEEDED.

draftsmen on the project. Then during the QA/QC all newly created parcels and easement descriptions are peer reviewed by a third PSM. SurvTech offers the City unparalleled experience and resources for right-of-way mapping.

Hydrographic Surveys: Hydrographic surveys are performed utilizing a fleet of four (4) boats, one (1) CEESCOPE echo sounder (dual frequency single-beam), one (1) Norbit MBES (multi-beam) sonar with internal Applanix IMU, and Hemisphere RTK GPS and DGPS. SurvTech has the hydrographic solution for every water body. Including the ability to perform multi-beam surveying (100%) coverage on small ponds, rivers, and even canals, with two (2) one-man boats and two (2) unmanned surface vessels (USV). Our one-man multi-beam boat is also equipped with mobile LiDAR to collect upland data simultaneously.

Platting: SurvTech's personnel are experts at platting and subdividing property. Within the past several years we have been performing plat review services for several local municipalities as a subcontractor to engineering firms. With ten (10) professional surveyors on staff, we have exceptional redundancy when performing quality assurance/quality control (QA/QC) services and oversight. SurvTech performs platting throughout the Tampa Bay area, and we are familiar with all phases of platting, including the following:

- Boundary survey of parent tract.
- Title policy review and easement plotting.
- Dedication language.
- Monumentation requirements.
- Printing and reproduction requirements.
- Signing and sealing requirements.
- CADD standards for platting.

Not only is SurvTech knowledgeable about platting, but we are responsive to our clients. SurvTech understands that there is no more important task as a surveyor than creating new parcels. It is essential that during the subdivision process the surveyor is meticulous as to not create boundary and/or title issues such as gaps, gores, overlaps, encroachments, or even title issues. We understand that for right-of-way to be created correctly it must be dedicated and approved by the governing political board. Our team of surveyors know that during the platting process, understanding the legal principals of the platting process is as essential as the mathematics and closures of the newly created parcels. The platting process is demanding and can hold up economic development if not moved efficiently through the plat creation and review process. SurvTech is aware of our civic duty to be responsive and meet deadlines for agency reviews.

Legal Descriptions: SurvTech understands the City will require boundary surveys to be performed for acquisition, condemnation, easement creation, and permitting. SurvTech personnel have written thousands of legal descriptions for deeds and easements. Our field personnel are experienced with determining unrecorded rights such as open and notorious evidence of easements, encroachments, hiatuses, and overlaps. All SurvTech personnel are educated on protecting the bona fide rights of the landowners, which means boundaries should not change over time affecting what property owners have historically enjoyed. SurvTech has performed boundary surveys on small residential properties, up to 17,000-acre ranches, as well as performing hundreds of boundary surveys along utility corridors for access and utility easements, and property acquisition. Our office staff can deliver in Microstation or AutoCAD and signed and sealed Adobe pdf versions as well. SurvTech's team of land surveying professionals has the experience and resources to perform boundary surveys with legal descriptions in any situation for the City.

Cross Sections for Drainage Basin Analysis: SurvTech's survey crews routinely survey cross sections for topographic and drainage basin analysis for municipalities, counties, and private industry across the State of Florida. SurvTech utilizes all available technologies, including RTK (real time kinematic) GPS, conventional total stations, AutoCAD and other typical survey software and hardware. SurvTech's crews are not conventional in any sense of the word. Our crews utilize their equipment and technology to produce at a highly efficient level. RTK is not a special tool at SurvTech, it's just another tool in the toolkit.

Construction Staking and Layout and Subsurface Utility Locations: The SurvTech Team has a wealth of experience performing construction surveys comprised of everything from gypsum stacks, levees, ponds, industrial plants, roadways, and all types of site improvements and vertical construction. Methods of establishing control differ based upon the accuracy requirements of the project. These methods include static and fast static GPS, RTK (base/rover) GPS, network GPS, conventional traversing and differential closed loop leveling. Utilizing the control network our field personnel perform daily checks of the RTK accuracy, before and after staking is performed. Each construction crew is paired with a CADD Specialist who performs the calculations and processes and reviews the staking daily. On construction sites safety is our number one priority. SurvTech field personnel all wear high visibility reflective work vests, hard hats, and are MSHA and OSHA trained. A job hazard analysis is created for the project and the field personnel perform a daily one, along with a tailgate safety meeting in the morning, and truck and equipment inspection. SurvTech also creates 3D models for machine control in Trimble Business Center. Allowing us to establish site control and the contractor to load the model and perform most of the site work without staking from a surveyor. We also offer high precision and accuracy metrology services, which can perform industrial layout to an accuracy of +/- 1/10,000th of an inch, utilizing laser tracking technology. We have laid out draw bridges, structural steel and bolt patterns with superior accuracy compared to traditional surveying. Utilizing Spatial Analyzer software gravity is removed from the survey platform, and our field personnel can work completely in the 3D workspace. The strength of the SurvTech team is the ability to give our client as much or as little survey support as required, through experience and technology.

SurvTech's SUE crews are equipped with RTK GPS and trained to perform location of designation mark-outs and vacuum excavated utilities, making our SUE crews that much more efficient. SurvTech performs in-house vacuum excavation services with a fleet of vacuum trucks, mobile air compressors and Utilivac rigs, including an F-550 4x4 250 gallon wet/dry vacuum truck. Mapping of the underground utilities, either soft dig or mark-outs shall be performed by SurvTech or Hyatt Surveying. SurvTech offers the efficiency of having a single firm with the capability to perform designating, locating, ground penetrating radar (GPR), electromagnetic induction (radio detection) and vacuum excavation.

Easement Sketches: As a traditional survey firm, we have created, reviewed, and performed QA/QC (quality assurance/quality control) on thousands of easements. Easements convey a legal right to people or entities to use or access the property of others for a specific purpose. Easements don't convey ownership of the property in an overall (fee title) sense, but they do grant a portion of ownership. Property ownership is a bundle of rights. The granting of this right can be affirmative and allow others a certain use or it can be negative, prohibiting a certain use. Easements can also be permanent (perpetual) or temporary (only lasting for a specific time period). Property that has fee simple title, means it has complete control of a property, without any easements being held by others, it's the complete ownership of the property. So, when easements are conveyed to others for the beneficial use of the subject property, the owner is conveying some of the rights of that property away to others. As such SurvTech treats the creation of easements the same as the creation of legal descriptions for property conveyance. Easement creation gets the same QA/QC process and scrutiny, including a peer review by a second professional surveyor and mapper.

H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACHED ADDITIONAL SHEETS AS NEEDED.

At one time sketches were required for all easement creation, but that is not the case now. Surveyors believe a sketch is an essential part of ensuring the grantor's intent was followed for the type, location, size, and shape of an easement. What's the old saying, "A picture is worth a thousand words."? A graphic representation of an easement allows the grantor and grantee to both see the easement as it is being conveyed. It also becomes essential years later if portions of the easement description are unreadable or ambiguous in any way. It gives future attorneys and surveyors an additional source of clarity when it comes to determining where an easement exists on a property.

Electronic Field Surveys: Every survey we perform at SurvTech is collected and recorded electronically. This includes the following types of data acquisition:

- Total station with data collector
- RTK GPS (Base/Rover and Network)
- Terrestrial LiDAR
- SLAM LiDAR.

Since SurvTech's inception our field crews have collected data utilizing electronic data collection. Currently we utilize Carlson and Trimble data collectors depending on the types of survey work we are performing. Utilizing electronic data collection allows the use of feature codes linked to libraries for symbolization and linework creation. In advanced situations we utilize data libraries to perform attribution of certain features. For terrestrial and SLAM (Simultaneous Localization and Mapping) LiDAR we use FARO and Leica scanners and NavVis VLX shoulder mounted sensors for the SLAM acquisition. Data is collected electronically on a memory card which is transferred to a computer on arrival at the office. SurvTech has been acquiring data electronically since the company was formed. Standard operating procedures (SOPs) for electronic data collection are ingrained in our field and office staff. Data files are downloaded every evening and reviewed every morning to ensure any issues with missing or problematic datasets are resolved. Once the data is reviewed, it moves seamlessly through the field to finish processing where it is least-squared adjusted and linework and symbolization is created for the survey. These duties are performed in Carlson Survey, Trimble Business Center, Power InRoads, Leica Cyclone, IVION Cloud, or TopoDOT. Once the data is cleaned and classified, it is moved to a CAD program for drafting, which includes Carlson Survey, Civil 3D, Power InRoads, Microstation, or AutoCAD for drafting. SurvTech offers our clients the complete geospatial toolbox for working with surveying datasets and delivering them in any format required.

GIS Grade and 3D Mapping: SurvTech's CADD experience, knowledge, and software ownership is unparalleled in the marketplace. SurvTech has taken a unique approach to hiring and training CADD, GIS, and 3D modeling professionals. At SurvTech everyone is required to have acquisition experience so that they can relate to the field staff and have a better understanding of the work they are processing and drafting. Additionally, SurvTech does not believe in training drafters, instead we believe in creating well-rounded geospatial professionals that can deliver geospatial data in a myriad of formats. This is one of the reasons SurvTech has ten (10) professional surveyors and mappers at our firm. Our professional surveyors and mappers have all worked in the field and all are production geospatial professionals. Ninety percent of our drafting is performed with Civil3D, Carlson Survey (AutoCAD engine), and Power InRoads (Microstation engine). The other software programs are for special deliverables. SurvTech has the tools and capability to acquire data by almost every method available in the geospatial industry. We also have the capability and software to process all the data acquired by these methods and create planimetric features, topography, digital elevation models (DEMs), digital terrain models (DTMs), 3D CAD models, 3D BIM models, digital twins (imagery and point clouds), and GIS attributes. Our years of work logged in the building, construction, and utility industries, especially local to central Florida, means that the City will not only be getting the right people with the

H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACHED ADDITIONAL SHEETS AS NEEDED.

right knowledge for any challenge the City is faced with, but also a team that lives locally and sees It is in our mutual best interest to provide the best product possible.

SURVTECH SOLUTIONS' FLORIDA LICENSES:

SurvTech Solutions, Inc.:	Licensed PSM Business No. 7340
David O'Brien:	Professional Surveyor and Mapper No. 5925
Stacy Brown:	Professional Surveyor and Mapper No. 6516
Ryan Fowler:	Professional Surveyor and Mapper No. 6826
Timothy McClintic:	Professional Surveyor and Mapper No. 6908
Benjamin Stinson:	Professional Surveyor and Mapper No. 6924
Adam Regling:	Professional Surveyor and Mapper No. 7081
Henry Simpkins:	Professional Surveyor and Mapper No. 7192
Matthew Brooks:	Professional Surveyor and Mapper No. 7194
Kevin Bowman:	Professional Surveyor and Mapper No. 7418

SurvTech Solutions – LB #7340



Florida Department of Agriculture and Consumer Services
Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Pkway Tallahassee, Florida 32399-6500

License No.: **LB7340**
Expiration Date February 28, 2025

Professional Surveyor and Mapper Business License
Under the provisions of Chapter 472, Florida Statutes

SURVTECH SOLUTIONS, INC.
10220 E US HIGHWAY 92
TAMPA, FL 33610-5966

Nicole "Nikki" Fried

NICOLE "NIKKI" FRIED
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.

H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACHED ADDITIONAL SHEETS AS NEEDED.

David O'Brien – PSM #5925



Florida Department of Agriculture and Consumer Services
Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Pkway Tallahassee, Florida 32399-6500

License No.: **LS5925**
Expiration Date February 28, 2025

Professional Surveyor and Mapper License

Under the provisions of Chapter 472, Florida Statutes

DAVID JOSEPH O'BRIEN JR.
10220 E US HIGHWAY 92
TAMPA, FL 33610-5966

NICOLE "NIKKI" FRIED
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.

Stacy Brown – PSM #6516



Florida Department of Agriculture and Consumer Services
Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Pkway Tallahassee, Florida 32399-6500

License No.: **LS6516**
Expiration Date February 28, 2025

Professional Surveyor and Mapper License

Under the provisions of Chapter 472, Florida Statutes

STACY LEE BROWN
10220 E US HIGHWAY 92
TAMPA, FL 33610-5966

WILTON SIMPSON
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.

Tim McClintic – PSM #6908



Florida Department of Agriculture and Consumer Services
Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Pkway Tallahassee, Florida 32399-6500

License No.: **LS6908**
Expiration Date February 28, 2025

Professional Surveyor and Mapper License

Under the provisions of Chapter 472, Florida Statutes

TIMOTHY M MCCLINTIC
10220 E US HIGHWAY 92
TAMPA, FL 33610-5966


WILTON SIMPSON
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.

H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACHED ADDITIONAL SHEETS AS NEEDED.

Matthew Brooks – PSM #7194



Florida Department of Agriculture and Consumer Services
 Division of Consumer Services
 Board of Professional Surveyors and Mappers
 2005 Apalachee Pkway Tallahassee, Florida 32399-6500

License No.: **LS7194**
 Expiration Date February 28, 2025

Professional Surveyor and Mapper License
 Under the provisions of Chapter 472, Florida Statutes

MATTHEW S BROOKS
 505 CEDAR WAXWING DR
 BRANDON, FL 33510-2856

Nicole Fried

NICOLE "NIKKI" FRIED
 COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.

Henry Simpkins – PSM #7192



Florida Department of Agriculture and Consumer Services
 Division of Consumer Services
 Board of Professional Surveyors and Mappers
 2005 Apalachee Pkway Tallahassee, Florida 32399-6500

License No.: **LS7192**
 Expiration Date February 28, 2025

Professional Surveyor and Mapper License
 Under the provisions of Chapter 472, Florida Statutes

HENRY SIMPKINS
 812 CUTLER DR
 SEFFNER, FL 33584-4616

Wilton Simpson

WILTON SIMPSON
 COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.

H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACHED ADDITIONAL SHEETS AS NEEDED.

Benjamin Stinson – PSM #6924



Florida Department of Agriculture and Consumer Services
Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Pkway Tallahassee, Florida 32399-6500

License No.: **LS6924**
Expiration Date February 28, 2025

Professional Surveyor and Mapper License

Under the provisions of Chapter 472, Florida Statutes

BENJAMIN F STINSON MR.
2461 SE ALFONSO AVE
PORT SAINT LUCIE, FL 34952-6702

WILTON SIMPSON
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.

Adam Regling – PSM #7081



Florida Department of Agriculture and Consumer Services
Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Pkway Tallahassee, Florida 32399-6500

License No.: **LS7081**
Expiration Date February 28, 2025

Professional Surveyor and Mapper License

Under the provisions of Chapter 472, Florida Statutes

ADAM S REGLING
2502 SE MARSEILLE ST
PORT SAINT LUCIE, FL 34952-7283

WILTON SIMPSON
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.

H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACHED ADDITIONAL SHEETS AS NEEDED.

Ryan Fowler – PSM #6826



Florida Department of Agriculture and Consumer Services
Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Pkway Tallahassee, Florida 32399-6500

License No.: **LS6826**
Expiration Date February 28, 2025

Professional Surveyor and Mapper License

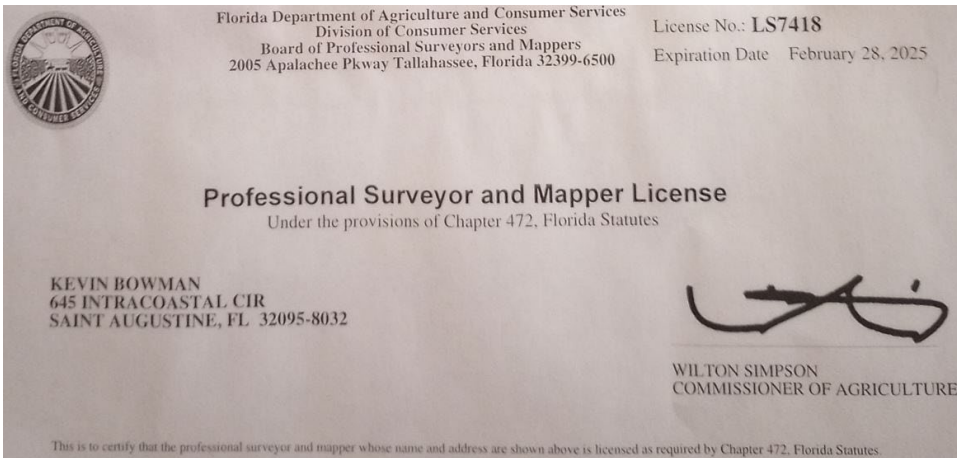
Under the provisions of Chapter 472, Florida Statutes

RYAN E FOWLER
812 GARRETT CT
WINTER PARK, FL 32792-2913

WILTON SIMPSON
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.

Kevin Bowman – PSM #7418



I. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

31. SIGNATURE

32. DATE

September 20, 2023

33. NAME AND TITLE

David J. O'Brien Jr., President

ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

E-RFP #20230097


PART II – GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME SURVTECH SOLUTIONS, INC.			3. YEAR ESTABLISHED 2004	4. UNIQUE ENTITY IDENTIFIER GG7BBGBFTWK5
2b. STREET 10220 U.S. Highway 92 East			5. OWNERSHIP	
2c. CITY Tampa	2d. STATE FL	2e. ZIP CODE 33610	a. TYPE Corporation	
6a. POINT OF CONTACT NAME AND TITLE David J. O'Brien, President			b. SMALL BUSINESS STATUS Small Business	
6b. TELEPHONE NUMBER 813-621-4929	6c. E-MAIL ADDRESS dobrien@survtechsolutions.com			
8a. FORMER FIRM NAME(S) (If any)			8b. YR. ESTABLISHED	8c. UNIQUE ENTITY IDENTIFIER

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
02	Administrative	9	8	A02	Aerial Photography/Airborne Data	3
03	Aerial Photographer	1	0	C01	Cartography	2
08	CADD Technicians	14	8	C16	Construction Surveying	2
28	Geodetic Surveyor	1	1	D05	Digital Elevation and Terrain Models	5
29	GIS Specialist	2		E10	Environmental and Natural Resources	1
30	Geologist	1	1	G04	GIS Services: Development, Analysis, and Data Collection	1
38	Land Surveyors	10	2	H13	Hydrographic Surveying	3
46	Photogrammetrist	1	0	L02	Land Surveying	6
48	Project Manager	4	1	P03	Photogrammetry	3
49	Remote Sensing Specialist	1	0	R07	Remote Sensing	3
	Survey Party Chiefs	16	9	S10	Surveying, Platting, Mapping, Flood Plain	2
	Survey Technicians (I-Men)	20	11	T04	Topographic Surveying and Mapping	6
	SUE Managers	3	2			
	SUE Technicians	10	7			
	Other Employees					
Total		91	50			

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)		PROFESSIONAL SERVICES REVENUE INDEX NUMBER			
a. Federal Work	5	1. Less than \$100,000	6. \$2 million to less than \$5 million	7. \$5 million to less than \$10 million	8. \$10 million to less than \$25 million
b. Non-Federal Work	7	2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million	8. \$10 million to less than \$25 million	9. \$25 million to less than \$50 million
c. Total Work	8	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million	9. \$25 million to less than \$50 million	10. \$50 million or greater
		4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million		
		5. \$1 million to less than \$2 million	10. \$50 million or greater		

12. AUTHORIZED REPRESENTATIVE The foregoing is a statement of facts.	
a. SIGNATURE 	b. DATE September 20, 2023
c. NAME AND TITLE David J. O'Brien, President	

ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

E-RFP #20230097

PART II – GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME SURVTECH SOLUTIONS, INC.			3. YEAR ESTABLISHED 2004	4. UNIQUE ENTITY IDENTIFIER GG7BBGBFTWK5
2b. STREET 1934 Tucker Court			5. OWNERSHIP	
2c. CITY Fort Pierce	2d. STATE FL	2e. ZIP CODE 34950	a. TYPE Corporation	
6a. POINT OF CONTACT NAME AND TITLE Benjamin Stinson, PSM			b. SMALL BUSINESS STATUS Small Business	
6b. TELEPHONE NUMBER 772-247-0110	6c. E-MAIL ADDRESS bstinson@survtechsolutions.com			
8a. FORMER FIRM NAME(S) (If any)			8b. YR. ESTABLISHED	8c. UNIQUE ENTITY IDENTIFIER

9. EMPLOYEES BY DISCIPLINE

10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS

a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
02	Administrative	9		A02	Aerial Photography/Airborne Data	3
03	Aerial Photographer	1		C01	Cartography	2
08	CADD Technicians	14	3	C16	Construction Surveying	2
28	Geodetic Surveyor	1		D05	Digital Elevation and Terrain Models	5
29	GIS Specialist	2		E10	Environmental and Natural Resources	1
30	Geologist	1		G04	GIS Services: Development, Analysis, and Data Collection	1
38	Land Surveyors	10	2	H13	Hydrographic Surveying	3
46	Photogrammetrist	1		L02	Land Surveying	6
48	Project Manager	4		P03	Photogrammetry	3
49	Remote Sensing Specialist	1		R07	Remote Sensing	3
	Survey Party Chiefs	16	1	S10	Surveying, Platting, Mapping, Flood Plain	2
	Survey Technicians (I-Men)	20	1			
	SUE Managers	3				
	SUE Technicians	10				
	Other Employees					
Total		91	7			

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS
(Insert revenue index number shown at right)


PROFESSIONAL SERVICES REVENUE INDEX NUMBER

a. Federal Work	5
b. Non-Federal Work	7
c. Total Work	8

1. Less than \$100,000
2. \$100,000 to less than \$250,000
3. \$250,000 to less than \$500,000
4. \$500,000 to less than \$1 million
5. \$1 million to less than \$2 million
6. \$2 million to less than \$5 million
7. \$5 million to less than \$10 million
8. \$10 million to less than \$25 million
9. \$25 million to less than \$50 million
10. \$50 million or greater

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE 	b. DATE September 20, 2023
c. NAME AND TITLE David J. O'Brien, President	

TAB ONE: ASSOCIATED QUALIFICATIONS / REFERENCES FOR SUBCONSULTANTS

Please see the following pages for reference letters of SurvTech Solutions as well as our subcontractor Javier E. Bidot & Associates.



**Hillsborough
County Florida**

ENGINEERING & OPERATIONS

PO Box 1110, Tampa, FL 33601-1110
813-276-2530 | Fax: (813) 272-5811

**BOARD OF COUNTY
COMMISSIONERS**

Harry Cohen
Ken Hagan
Pat Kemp

Gwendolyn "Gwen" Myers
Kimberly Overman
Mariella Smith
Stacy R. White

COUNTY ADMINISTRATOR

Bonnie M. Wise

COUNTY ATTORNEY

Christine M. Beck

COUNTY INTERNAL AUDITOR

Peggy Caskey

ASSISTANT COUNTY ADMINISTRATOR

John W. Lyons

To Whom it may Concern:

I am currently an Operations Manager with Hillsborough County Public Works Administration. Previously, I was the GIS Manager for Hillsborough County Public Works where I had the pleasure of collaborating with SurvTech Solutions and Axim Geospatial (formerly GIS, Inc.).

I recommend SurvTech Solutions and Axim Geospatial after their excellent performance with modernizing our Mosquito Control Project during the height of the Zika Outbreak with GIS-based solutions. Additionally, SurvTech collaborated with Hillsborough County to modernize our Streets and Addressing processes by providing a GIS-based digital addressing grid and scanning and georeferencing the paper passed maps into an image service for historical reference.

The firm's ability to prioritize project goals and provide specialized input and data-driven decisions have improved the Streets and Addressing team's overall effectiveness and efficiency and our Mosquito Management Services. SurvTech and Axim demonstrated professionalism in every aspect of the process, especially on-site involvement as needed to conduct knowledge transfer to County staff. I look forward to working with SurvTech and Axim in the future.

Sincerely,

Fred Hartless
Operations Manager – West Service Unit
Transportation Maintenance Division
Hillsborough County Public Works

Ph: 813-307-4759

E-mail: HartlessF@hillsboroughcounty.org



**Hillsborough
County Florida**

PERFORMANCE, DATA & ANALYTICS

PO Box 1110, Tampa, FL 33601-1110
(813) 307-4756

Mr. David O'Brien, PSM

SurvTechSolutions, Inc.
10220 U.S. Highway 92 East
Tampa, FL 33610

RE: Reference letter

Dear Mr. O'Brien:

We recommend SurvTech Solutions for surveying and mapping services after their performance on our Double Screen and Cee Bee Groves project in Hillsborough County, Florida.

The firm's ability to prioritize project goals, provide specialized input and direct data-driven decisions has improved their overall efficiency and enabled them to meet all project deadlines.

SurvTech enhanced our experience by providing qualified personnel at all levels and by responding promptly to all the County's questions and concerns.

SurvTech demonstrated professionalism in every aspect of the process. We look forward to working with SurvTech in the future.

Sincerely,
Christopher W. Snyder, PSM
Manager
Survey & Mapping

Christophe
r W. Snyder

Digitally signed by Christopher W.
Snyder
Date: 2022.03.13 12:26:59 -04'00'

**BOARD OF COUNTY
COMMISSIONERS**

Harry Cohen
Ken Hagan
Pat Kemp

Gwendolyn "Gwen" Myers
Kimberly Overman
Mariella Smith
Stacy R. White

COUNTY ADMINISTRATOR

Bonnie M. Wise

COUNTY ATTORNEY

Christine M. Beck

COUNTY INTERNAL AUDITOR

Peggy Caskey

CHIEF INFORMATION & INNOVATION

ADMINISTRATOR

Ramin Kouzehkanani



Pasco County Public Infrastructure
19420 Central Boulevard
Land O' Lakes, FL 34637
Phone: (813)-235-6189

April 5, 2018

To Whom It May Concern:

SurvTech Solutions performed the route (topographic with right-of-way determination and location) survey, and subsurface utility designation (SUE) level "B" for a water line replacement project in Padgett Lakes Subdivision. SurvTech provided Pasco County with high quality, accurate surveying and subsurface utility designation that was the basis for the design of the proposed water line. All work performed by SurvTech Solutions was completed in a satisfactory manner, on time and on budget.

I would highly recommend SurvTech for future projects, based on the performance of the Padgett Lakes project. If you need any additional information, feel free to contact me at (813) 235-6189 or by email at mcarballe@pascocountyfl.net.

Sincerely,

Michael Carballa, P.E., BCEE
Interim Assistant County Administrator for Public Infrastructure

PUBLIC INFRASTRUCTURE ADMINISTRATION

813.235.6189 | Utilities Administration Bldg. | 19420 Central Blvd. | Land O' Lakes, FL 34637-7006



CITY OF TAMPA

Bob Buckhorn, Mayor

Water Department

Chuck Weber, P.E., Director

April 6, 2018

To: Whom It May Concern

Re: Letter of Recommendation

Dear Sir or Madam:

SurvTech Solutions performed the route (topographic with right-of-way determination and location) survey, for water lines replacement project for the Palma Ceia neighborhood in Tampa, Florida. SurvTech provided the City of Tampa water department with quality and accurate surveying for the design of the proposed water lines. All work performed by SurvTech Solutions was completed in a satisfactory manner, on time, and on budget.

The water department would rehire SurvTech for future project; hereby we provide our recommendation based on the performance of the Palma Ceia project. If you need any additional information, feel free to contact me at (813) 274-8593 or by email at Andre.Bien-Aime@tampagov.net.

Sincerely,

TAMPA WATER DEPARTMENT

André J. Bien-Aimé
André J. Bien-Aimé, P.E.
Design Engineer II

ABA/

cc: W.O. 8401-Palma Ceia Phase II FY17 CIP - Reference

306 E. Jackson St. 5E • Tampa, Florida 33602 • (813) 274-8121 • FAX: (813) 274-7435



January 24, 2022

Re: Reference Letter for SurvTech Solutions

To Whom It May Concern:

Please let this letter serve as a recommendation for SurvTech Solutions. The firm recently performed aerial LiDAR services for our Picnic Island Mitigation Site project in Tampa, Florida.

SurvTech has a long record of accomplishments working for Port Tampa Bay and its partners. The firm's ability to prioritize project goals, provide specialized input and direct data-driven decisions have long contributed to the success of our capital program.

The Picnic Island project is a good example as it is near a military facility with restricted air space, which created particular issues with the LiDAR process. SurvTech, through their expertise, was able to navigate through the challenges and deliver on time and budget.

SurvTech enhanced our experience by providing quality data on a timely manner while continuously demonstrating professionalism in every aspect of the project process. We look forward to working with them in the future.

Sincerely,



Jose De Jesus, P.E.
Director of Engineering
Port Tampa Bay

Mosaic
13830 Circa Crossing Drive
Lithia, FL 33547-3953
Phone: (863) 486-3774

February 25, 2020

RE: Letter of Recommendation

To Whom It May Concern:

SurvTech Solutions performed an aerial LiDAR topographic survey from an unmanned aerial vehicle (UAV), and a hydrographic bathymetric survey from an unmanned surface vessel (USV) to collect data to supplement the design and construction of the 1,290 acre O1-B clay settling area. SurvTech personnel merged the lidar and multi beam data sets to create a seamless topographic survey of the proposed clay settling area. The survey has been used by design engineers to design the proposed settling areas and calculate required cut/fill needed to construct the earthen embankment and ancillary structures. All work performed by SurvTech Solutions was completed in a satisfactory manner, on time and on budget.

SurvTech has worked in a similar capacity on various other projects that fall under my direction during this time they have consistently performed at a high level of service while consistently delivering value to the project. In my experience SurvTech has provided well trained and qualified professionals to staff their projects. Without reservation I can recommend SurvTech for future projects, based on their continued performance. If you need any additional information, feel free to contact me at (863) 486-3774 or by email at keith.beriswill@mosaicco.com

Sincerely,



2-25-2020

Keith Beriswill, P.E.
Senior Geotechnical Engineer

April 27, 2020

To Whom it May Concern:

Arcadis, Inc. have since December 2018 retained the services of Javier E. Bidot & Associates, PSC for topographic and hydrographic survey work for the South Florida Water Management District. The survey work has been performed at the C-139 Flow Equalization Basin, L-3 Canal, L-2 Canal, and Deer Fence Canal. We have been very pleased with the responsiveness and quality of work from their team.

Mr. Bidot's team has completed work on schedule and they have kept us in the loop as project deliverables were being completed. We look forward to working with Javier E. Bidot & Associates, PSC on future projects.

If you have any questions, feel free to contact me at 561-702-4370.

Sincerely,



Paul Walansky, P.E.
Principal Water Engineer

Arcadis U.S., Inc.
1500 Gateway Boulevard
Suite 200
Boynton Beach
Florida 33426
Tel 561 697 7000
Fax 561 369 4731
www.arcadis.com

Contact:
Paul Walansky

Phone:
561-702-4370

Email:
paul.walansky@arcadis.com

Florida License Numbers

Engineering
7917

Geology
GB564

Surveying
LB7062



April 24, 2020

Subject: Javier E. Bidot & Associates

To whom it may concern:

R.J. Behar and Company, Inc. (RJ Behar) contracted Javier E. Bidot & Associates (JEBA) to provide topographic surveying services for the 45-YR Community Development Block Grant (CDBG) improvements at NW 7th Avenue and 3rd Court within the City of Hallandale Beach, Florida. JEBA provided the services on time and with a very high level of quality. They have also been very responsive when dealing with project's needs, such as providing additional copies of the survey for permitting purposes.

The firm has demonstrated a high degree of knowledge of the required services and has shown a commendable level of professionalism and commitment to quality and his services have been timely and very effective.

I highly recommend JEBA based on their disposition, approach to their work, and commitment to our project. I would also like to take this opportunity to thank Javier E. Bidot and his team for his special contribution to our project.

Should you need any further information, please feel free to contact me at 954-680-7771.

Sincerely,
R.J. BEHAR & COMPANY, INC.

A handwritten signature in blue ink that reads "Juan H. Vazquez".

Juan H. Vazquez, PE, PH, BCEE
Vice President

April 27, 2020

Letter of Recommendation

To Whom It May Concern,

I am writing to recommend surveying services provided by Javier E. Bidot Associates, PSC in Puerto Rico. Jacobs Engineering Group (Jacobs) has been working with Javier E. Bidot Associates for more than 10 years, and I have had the pleasure of working directly with Mr. Carlos Lebron and Mr. Javier Bidot.

We appreciate the responsiveness we receive from Mr. Lebron in meeting our project requirements and schedule. At Jacobs we strive for the highest safety standards and follow a "Beyond Zero" safety policy. Javier E. Bidot Associates has demonstrated this safety philosophy and a genuine quality in the work they perform to meet our safety requirements.

In addition to meeting project schedules and quality of deliverables, Mr. Lebron and his team have been very accommodating with unforeseen changes to schedule and project scope changes.

I recommend Javier E. Bidot Associates for surveying tasks and look forward to working with them again.

Sincerely,



Jennifer Ottoson
Senior Project Manager
Jacobs Engineering Group
Telephone: (813) 375-1523

Copies to: Cindy Ward/Jacobs

TAB TWO: METHODOLOGY / APPROACH

SurvTech's project management approach is to completely understand the client's needs, goals, schedule and budgetary constraints. Understanding these components is a requirement for the successful completion of any project. We build a custom plan to meet or exceed client expectations in each of these areas. We utilize the team's resources in the most efficient manner possible. We look at each project individually, breaking it down into phases and a timeline for those phases. We then allocate the most effective personnel and resources for that type of project. At SurvTech we have put added emphasis on upfront communication. We understand our client's goals and objectives before finalizing the proposal and project scope. SurvTech has extensive and local experience performing all the required scope of work items, and SurvTech brings to the City the latest technology in the surveying and mapping field.

Once SurvTech knows the scope of work that has been requested the initial step in SurvTech's approach to technical planning is the job ordering process. The project manager (professional surveyor) is responsible for creating or interpreting the scope for the project. When the project is small and straight forward, a research assistant will perform most of the actual research for the project. For large intricate or difficult projects, the process is just the opposite. The project manager will perform the research and may delegate some to the research assistant. The Project Manager will make the initial call to the City project manager to discuss the project details. After the initial phone conversation, the Project Manager will have enough information to request further research, define a survey type and define a scope. The project manager will then make the determination if outside resources will be required on the project. Outside resources are almost never required for SurvTech to do the array of surveying and mapping services we offer in-house. For large projects the project manager will request a face-to-face project meeting with the City project manager to further discuss the project terms and scope. After said meeting the project manager will create a resource utilization plan (RUP) and project estimate.

The RUP defines the personnel and equipment required for the project and their required timeframe. When questions arise during this phase, the Project Manager will make additional contact with the City to clarify any issues and get answers to all his or her questions. The next step is for the project manager to create man-hour estimate for the personnel and equipment designated in the RUP. The man-hours are entered in Kompass, the company's project management and time tracking program. The estimate will be linked with the project for its duration. For large projects, estimates are broken down into individual phases. Before finalizing the proposal, a peer review is performed. The proposal will be sent to the City. If the City finds the proposal acceptable and authorizes the work, the project moves into the project creation phase.

At project creation the project manager dedicates the personnel and company resources for the duration of the project. Once equipment and personnel are determined, the project manager assembles the project team, (by phone, video conference or face-to-face meeting, depending on project size and scope and team makeup), for a project kick-off meeting. The kick-off meeting's agenda includes a review of these key items:

- Project Team members
- Project Team hierarchy with contacts
- Project scope and start date
- Client specific requirements
- Resource Utilization Plan. (RUP)
- Gantt chart with schedule and phases
- Task assignments
- Potential problems or issues (bottlenecks)
- Action steps until next meeting

After the project kick-off meeting, the project team members prepare for mobilization. The project team reviews the project schedule and phases. The field crew is supplied with research, control point upload, aerials, prior surveys, plats, deeds and miscellaneous documents. Communication is paramount at SurvTech, the field and office personnel discuss the day's duties every morning and the day's accomplishments every evening. Data collectors and field notes are downloaded and scanned daily. The CAD draftsman reviews the fieldwork daily and discusses any minor issues with the party chief directly. If a major

issue is encountered or detailed boundary retracement exists, the CAD technician updates the Project Manager, requesting his assistance. All fieldwork is processed and drafted daily, allowing the Project Manager to get a real-time diagnosis of the project progress and get involved with any decisions that require his input.

Upon initial project completion, the draftsman prints out the survey and reviews it based on the City's scope of work and the "Florida Standards of Practice for Surveying and Mapping". After the draftsman makes the required changes, the CAD manager does his review, followed by the project manager's initial review. The project manager's changes are then performed by the draftsman and the project manager reviews the survey again. If complete, he asks one of the professional surveyors who is not involved in the project to perform a peer review. Both professionals will then discuss the project and any issues. If changes need to occur, they are performed, and the survey is finalized for delivery.

SurvTech performs **quality assurance/quality control (QA/QC)** by equipping our personnel with the latest technology, adhering to a rigorous quality control process, and rewarding them for quality work and safety. The following key components constitute the SurvTech Quality Control Plan:

- Project Preparedness
- Fieldwork
- Office Process
- Final Check

SurvTech's QA/QC policy utilizes "old school" policies and procedures, incorporated with the latest innovation. The first phase of quality control is **Project Preparedness**. SurvTech supplies our employees with innovative equipment to perform precise surveying. The first Monday of every month a safety meeting is held, followed by an equipment check and calibration meeting on the third Monday of every month. Employees are updated on new safety policies and equipment is checked, calibrated and maintained. Prism poles and tribrachs are checked and calibrated; back-sight kits are checked and calibrated; levels are peg tested and calibrated; and total stations are checked and sent in for repair, if out of tolerance. We provide employees with the tools to perform quality work; offer standardized policies and procedures; and provide standardized survey scopes, checklists and templates for performing their work. This documentation is stored in the project template folder. That way, when a new project is created, all the required forms, templates and other support materials are created with the project. Currently 60 project types exist at SurvTech - everything from a simple boundary survey to a 3D scan and modeling project. The project types define procedures and create assistance for performing the following duties: Proposal and Contracting

- Research
- Fieldwork
- Processing and Drafting
- Project Management
- Administration

The first and most crucial task step involves establishing a high level of communication with the City, allowing for a clear delineation of the project requirements. For every project, there will be additional non-standard items added to each checklist by the Project Manager and discussed at the kickoff meetings. Adhering to the scope is the foundation of quality. SurvTech's goal is to accurately perform the work the client requires. Quality is worthless if we do not fulfill the City's objectives.

The checklists and procedures have been designed to exceed the Florida Standards of Practice for Surveying and Mapping. Our staff is equipped with standards, guidelines, checklists and past work examples. It is always our goal to incorporate checklists and requirements of repeat clientele directly into our QA/QC materials. For example, every time our people complete an in-house checklist for a submerged lands survey, they are simultaneously completing the FDEP checklist for submerged lands for submittal as part of the application process. This ensures a complete submittal from a survey standpoint.

The next phase of quality control is the **field phase**. Surveying begins with fieldwork and is the foundation of almost every project. The survey product (map) will only be as accurate and as complete as the original fieldwork. The party chief is

responsible for managing the crew, following the procedures and guidelines, completing the checklists, reviewing past work examples and supervising his crew members. However, the crew members also must question and check the party chief. The field staff are the foundation of quality control, because they are the ones on-site collecting data. SurvTech crews are comprised of numerous college graduates in entry level roles, because we want career-oriented individuals who will aid in the quality control of the project.

The next phase is the **office processing phase**. This is a critical phase, because this is the phase where the “real world” is converted to the “virtual world” in the form of a hard copy map or CAD file. This phase offers the largest window for erroneous or lost data. Daily processing of the fieldwork typically reduces or eliminates problems before they occur or grow into larger problems. This allows errors or omissions to be immediately communicated to the party chief the following day. The field crews meet with the draftsman and the project manager daily and discuss issues and review the scope. After initial completion of the drafting, the CAD personnel review their own work first and complete their checklist. The survey is then forwarded to the CAD Manager for review. Upon completion of the CAD Manager review and following any revisions, the Project Manager performs his initial check and revisions are made. An independent peer review is then performed by another Project Manager (a professional surveyor who is not part of the project team). The two professionals discuss the scope and any issues or concerns on the project.

The fourth and final check is the **field check** of the survey. The Project Manager has the party chief review the survey for completeness and accuracy (in the office). The party chief is the only manager that was on site for the collection of the data. Upon completion of the party chief review, an independent peer review is performed by a party chief or project manager in the field. After the field review and any necessary corrections or revisions, the project manager will request a final submittal package. He reviews the final documents, comparing them to the deliverable’s checklist, signs off on the deliverables and has them delivered to the City. Once the client is completely satisfied, the Project Manager runs through the project closure checklist, marking the project as complete and ready for archiving.

Keys to the Success of the Quality Control Plan

- Integral communication with project team
- Create new policies and procedures, checklists, templates and work examples for City projects
- Compile the correct documentation and research through persistent investigation
- Standardize project team meetings: same day, same time, and same length of meeting
- Eliminate or minimize human error by utilizing software and hardware to perform redundant tasks
- Utilize the knowledge and experience of the City’s professional surveying staff
- Utilize a Peer Review approach in checking and cross-checking team members’ work
- Keep an open-minded approach to City policies, procedures and standards
- Reward employees for quality work and correct, train and discipline for inferior work
- Integrate City policies and procedures into SurvTech’s checklists, procedures and staff training
- Enhance our company’s knowledge base by pursuing additional education and training

Quality Control is more than policies and procedures. To be successful, it must be ingrained in the corporate culture. SurvTech has a field and office checklist for every type of survey we perform, but our people are the key to making these checklists work. SurvTech has installed a positive culture focused on producing quality work throughout the organization. We reward the highest achievers, and implement corrective action, including termination, for underachievers. We provide the incentive and motivation that converts the QA/QC process from words on paper to actions in real life. SurvTech has the people, technology and corporate culture necessary to deliver the highest level of quality in surveying, and we are open and flexible enough to adapt to specialized surveying requirements and standards.

Communication is one of the main components of any successful organization, whether it is a sports team, company or project team. Communication has been a common theme throughout this statement of qualifications because it is essential to every aspect of a successful project team. SurvTech presents the City with a firm that can perform every aspect of surveying and mapping, with a local office located in Ft. Pierce, Florida. The SurvTech team must effectively become the survey department for the City on projects and task orders, enabling the City to perform its mission in serving its residents. The project manager will lead all communication. All emails will be saved to the “correspondence folder” in the project directory on the server. Notes and minutes for all phone conversations and face to face meetings will be performed and saved in the aforementioned “correspondence folder”, by title, date and parties involved. The project manager will promptly return all phone calls or emails the same day. If a project manager is unavailable because of travel, illness or vacation, the City will always be notified of a secondary contact. For large projects SurvTech will communicate with the City on a set interval, established by the City and the project manager, but most likely it will be at least on a weekly basis. Critical verbal communication will always be followed up with an email outlining the major points of the conversation, including any action items, important dates, project details or other miscellaneous information. SurvTech personnel will always be available for meetings with the City.

In conclusion, SurvTech offers the City a quality surveying firm that has every geospatial tool in the mapping toolbox. SurvTech is a firm that custom tailors out-of-the-box solutions for difficult problems. That is why our firm is routinely hired to perform mapping services outside of our local region, including projects such as mapping the Oroville Dam spillway with our LiDAR UAV or terrestrial laser scanning of industrial plants. SurvTech will give the City options to collect geospatial data that other firms cannot offer.

TAB THREE: CERTIFIED MINORITY BUSINESS ENTERPRISE

SurvTech Solutions, Inc. is **not** a certified minority business enterprise (MBE) firm. However, we have included Javier E. Bidot & Associates on our team who in addition to being a certified MBE firm, also brings an extensive amount of local experience to the City of Port St. Lucie. Please see the following pages for their official certification documentation.

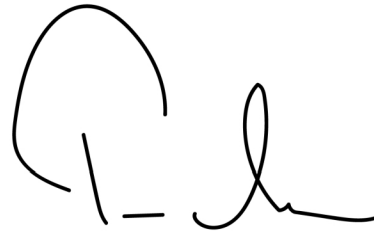
State of Florida

Minority Business Certification

Javier E. Bidot & Associates, PSC Corp.

Is certified under the provisions of
287 and 295.187, Florida Statutes, for a period from:

07/07/2023 to 07/07/2025



J. Todd Inman
Florida Department of Management Services





Florida Unified Certification Program

Disadvantaged Business Enterprise (DBE)

Certificate of Eligibility

JAVIER E BIDOT & ASSOCIATES P.S.C., CORP.

MEETS THE REQUIREMENTS OF 49 CFR, PART 26

APPROVED NAICS CODES:

541360, 541370

Victoria V. Smith

4/25/2017

VICTORIA V SMITH, Equal Opportunity Office Manager - Florida Department of Transportation



ANNIVERSARY DATE - Annually April 25th

JAVIER E BIDOT & ASSOCIATES P.S.C., CORP. has been certified under Florida's Unified Certification Program (UCP) as a Disadvantaged Business Enterprise (DBE) in accordance with 49 Code of Federal Regulation Part 26.

DBE Certification does not expire. It is contingent upon the firm maintaining eligibility annually through this office. Owners will be notified of their responsibilities in advance of the anniversary date.

The firm is listed in Florida's DBE Directory which can be accessed at the following link:

<http://www3b.dot.state.fl.us/EqualOpportunityOfficeBusinessDirectory/>

Prime contractors and consultants must verify the firm's DBE certification status, and identify eligible work area(s) through the Directory. The Department's DBE Support Service Providers are available, offering managerial and technical assistance at no cost.

Contact us at (850)414-4747 or via email DBECert.Help@dot.state.fl.us.

Victoria Smith
Equal Opportunity Office

TAB FOUR: REQUIRED PROPOSAL SUBMITTAL FORMS

Please see below for the following completed forms:

1. Addendum #1
2. Consultant's General Information Work Sheet Form
3. Cone of Silence Form
4. Consultant's Code of Ethics Form
5. E-Verify Form
6. Non-Collusion Affidavit Form
7. Drug-Free Workplace Form
8. Vendor Certification Regarding Scrutinized Companies Form
9. Truth in Negotiation Form



"A City for All Ages"

Solicitation Addendum Form

Solicitation Number: 20230097	Solicitation Title: Continuing Contracts for Survey & Mapping Services
Issuing Officer: Robyn Holder, CPPB	Solicitation Initially Posted to Internet: See DemandStar
eMail Address: rholder@cityofpsl.com	Telephone: 772-344-4068
Addendum Number: 1	Date: 9/14/2023

Revisions:

1. The Sample Contract has been revised to include State and Federal Language in the event federal or state funds are used to pay for services rendered.

Questions:

1. Question: Could you provide an example of the purchase order terms & conditions which would be considered supplemental? Section 1.3 (Scope of Work).
Response: The City applies for and receives numerous Grants that are from State and Federal agencies. These Grants may have additional terms and conditions that are unknown until they are awarded. The sample contract has been revised to include the most common terms and conditions that may be associated with Grant funding.
2. Question: Is the Evaluation Committee Meeting #1 open to the public?
Response: Yes
3. Question: Is there a file size limit for the uploading of the proposal response?
Response: No.
4. Question: Please advise us of the preferred location in our response for the exceptions to the contract.
Response: This information can be at the end of the proposal in a separate tab.
5. Question: "Include associated qualifications / references for sub-consultants or subcontractors, if any proposed" – Can you elaborate on what "qualifications / references" are required for sub-consultants, and in what format (e.g., do we need to include all 330 sections? What do you mean by "references" – is this the 330 project sheet or just a client contract reference?



"A City for All Ages"

Response: Form 330 is not required for the sub-consultants. Qualifications can be licenses, certifications, etc. References would be from other agencies that have used their services.

Note: In the event of a conflict between previously released information and the information contained herein, the latter shall control.

CONSULTANT'S GENERAL INFORMATION WORK SHEET

E-RFP #20230097

It is understood and agreed that the following information is to be used by the City to determine the qualifications of prospective Consultant to perform the work required. The Consultant waives any claim against the City that might arise with respect to any decision concerning the qualifications of the Consultant.

The undersigned attests to the truth and accuracy of all statements made on this questionnaire. Also, the undersigned hereby authorizes any public official, Engineer, Surety, bank, material or equipment manufacturer, or distributor, or any person, firm or corporation to furnish the City any pertinent information requested by the City deemed necessary to verify the information on this questionnaire.

Dated at Tampa, FL, this 13th day of September 2023
 (Location)

Name of Organization/Consultant: SurvTech Solutions, Inc.

By: David O'Brien, President
 Name and Title

1. Corporation, Partnership, Joint Venture, Individual or other? Corporation

2. Firm's name and main office address, telephone, and fax numbers

Name: SurvTech Solutions, Inc.

Address: 10220 US HWY 92 E. Tampa, FL 33610

Telephone Number: (813) 621-4929

Fax Number: (813) 621-7194

3. Contact person: David O' Brien Email: dobrien@survtechsolutions.com

4. Firm's previous names (if any). N/A

5. **ADDENDUM ACKNOWLEDGMENT** - Bidder acknowledges that the following addenda have been received and are included in its proposal/bid:

Addendum Number	Date Issued	Addendum Number	Date Issued
1	9/14/23		

6. List any lawsuits pending or completed within the past five (5) years involving the corporation, partnership or individuals with more than ten percent (10 %) interest:

SurvTech does not have any pending or completed lawsuits within the past five (5) years

(N/A is not an acceptable answer - insert lines if needed)

7. List any judgments from lawsuits in the last five (5) years:
SurvTech has not had any judgments from lawsuits in the last five (5) years
-

(N/A is not an acceptable answer - insert lines if needed)

8. List any criminal violations and/or convictions of the Proposer and/or any of its principals:
SurvTech does not have any past or current criminal violations and/or convictions
-

(N/A is not an acceptable answer - insert lines if needed)



Signature

President

Title

NOTICE TO ALL PROPOSERS

To ensure fair consideration is given for all Proposers, it must be clearly understood that upon release of the proposal and during the proposal process, firms and their employees of related companies as well as paid or unpaid personnel acting on their behalf shall not contact or participate in any type of contact with City employees, department heads or elected officials, up to and including the Mayor and City Council. The "Cone of Silence" is in effect for this solicitation from the date the solicitation is advertised on DemandStar, until the time an award decision has been approved by City Council and fully executed by all parties. Information about the Cone of Silence can be found under the City of Port St. Lucie Ordinance 20-15, Section 35.13. Contact with anyone other than the Issuing Officer may result in the vendor being disqualified. All contact must be coordinated through Ms. Robyn Holder, Issuing Officer, for the procurement of these services.


All questions regarding this Solicitation are to be submitted in writing to Robyn Holder, Procurement Manager with the Procurement Management Department via e-mail rholder@cityofpsl.com, or by phone 772-344-4293. Please reference the Solicitation number on all correspondence to the City.

All questions, comments and requests for clarification must reference the Solicitation number on all correspondence to the City. Any oral communications shall be considered unofficial and non-binding.

Only written responses to written communication shall be considered official and binding upon the City. The City reserves the right, at its sole discretion, to determine appropriate and adequate responses to the written comments, questions, and requests for clarification.

**NOTE: All addendums and/or any other correspondence before bid close date (general information, question and responses) to this solicitation will be made available exclusively through the [DemandStar's Website](#) for retrieval. All notice of intent to award documentation will be published on the [City Clerk's Website](#). Proposers are solely responsible for frequently checking these websites for updates to this solicitation.*

I understand and shall fully comply with all requirements of City of Port. St. Lucie Ordinance 20-15, Section 35.13.

Typed Name: David O'Brien
Signed: 
Company and Job Title: SurvTech Solutions, Inc. / President
Date: 9/13/2023



"A City for All Ages"

CONSULTANT'S CODE OF ETHICS

The City of Port St Lucie ("City), through its Procurement Management Department ("Procurement Management Department") is committed to a procurement process that fosters fair and open competition, is conducted under the highest ethical standards and enjoys the complete confidence of the public. To achieve these purposes, Procurement Management Department requires each vendor who seeks to do business with the City to subscribe to this Consultant's Code of Ethics.

- ◆ A Consultant's bid or proposal will be competitive, consistent and appropriate to the bid documents.
- ◆ A Consultant will not discuss or consult with other Vendors intending to bid on the same contract or similar City contract for the purpose of limiting competition. A Vendor will not make any attempt to induce any individual or entity to submit or not submit a bid or proposal.
- ◆ Consultant will not disclose the terms of its bids or proposal, directly or indirectly, to any other competing Vendor prior to the bid or proposal closing date.
- ◆ Consultant will completely perform any contract awarded to it at the contracted price pursuant to the terms set forth in the contract.
- ◆ Consultant will submit timely, accurate and appropriate invoices for goods and/or services actually performed under the contract.
- ◆ Consultant will not offer or give any gift, item or service of value, directly or indirectly, to a City employee, City official, employee family member or other vendor contracted by the City.
- ◆ Consultant will not cause, influence or attempt to cause or influence, any City employee or City Official, which might tend to impair his/her objectivity or independence of judgment; or to use, or attempt to use, his/her official position to secure any unwarranted privileges or advantages for that Vendor or for any other person.
- ◆ Consultant will disclose to the City any direct or indirect personal interests a City employee or City official holds as it relates to a Vendor contracted by the City.
- ◆ Consultant must comply with all applicable laws, codes or regulations of the countries, states and localities in which they operate. This includes, but is not limited to, laws and regulations relating to environmental, occupational health and safety, and labor practices. In addition, Consultant

must require their suppliers (including temporary labor agencies) to do the same. Consultant must conform their practices to any published standards for their industry. Compliance with laws, regulations and practices include, but are not limited to the following:

- Obtaining and maintaining all required environmental permits. Further, Consultant will endeavor to minimize natural resource consumption through conservation, recycling and substitution methods.
- Providing workers with a safe working environment, which includes identifying and evaluating workplace risks and establishing processes for which employee can report health and safety incidents, as well as providing adequate safety training.
- Providing workers with an environment free of discrimination, harassment and abuse, which includes establishing a written antidiscrimination and anti-bullying/harassment policy, as well as clearly noticed policies pertaining to forced labor, child labor, wage and hours, and freedom of association.

Name of Organization/Proposer SurvTech Solutions, Inc.

Signature 

Printed Name and Title David O'Brien, President

Date 9/13/2023

DISCLAIMER: This Code of Ethics is intended as a reference and procedural guide to Consultants. The information it contains should not be interpreted to supersede any law or regulation, nor does it supersede the applicable Consultant contract. In the case of any discrepancies between it and the law, regulation(s) and/or Consultant contract, the law, regulatory provision(s) and/or vendor contract shall prevail.

E-Verify Form

Contractor acknowledges and agrees to the following:

- 1. Shall utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the Supplier/Consultant during the term of the contract; and
- 2. Shall expressly require any subcontractors performing work or providing services pursuant to the state contract to likewise utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the contract term.

E-Verify Company Identification Number 384421

Date of Authorization 2005

Name of Contractor SurvTech Solutions, Inc.

Name of Project Continuing Contracts for Survey and Mapping Services

Solicitation Number (If Applicable) 20230097

I hereby declare under penalty of perjury that the foregoing is true and correct.

Executed on September, 13, 2023 in Tampa (city), FL (state).

Signature of Authorized Officer

David O'Brien, President

Printed Name and Title of Authorized Officer or Agent

SUBSCRIBED AND SWORN BEFORE ME

ON THIS THE 13th DAY OF September, 2023.

NOTARY PUBLIC

My Commission Expires: 12/9/2025



MORGAN SUISSA
Commission # HH 163338
Expires December 9, 2025
Bonded Thru Budget Notary Services

NON-COLLUSION AFFIDAVIT

State of Florida

County of Hillsborough }

David O'Brien, being first duly sworn, disposes and says that:

(Name/s)

1. They are President of SurvTech Solutions, Inc. the Proposer that
(Title) (Name of Company)

has submitted the attached PROPOSAL;

2. He is fully informed respecting the preparation and contents of the attached proposal and of all pertinent circumstances respecting such PROPOSAL;

3. Such Proposal is genuine and is not a collusive or sham Proposal;

4. Neither the said Proposer nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, has in any way colluded, conspired, connived or agreed, directly or indirectly with any other Proposer, firm or person to submit a collusive or sham Proposal in connection with the contract for which the attached proposal has been submitted or to refrain from proposing in connection with such Contract or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Proposer, firm or person to fix the price or prices in the attached Proposal or of any other Proposer, or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage against the City of Port St. Lucie or any person interested in the proposed Contract; and

5. The price or prices quoted in the attached Proposal are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Proposer or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

(Signed) 

(Title) President

DRUG-FREE WORKPLACE FORM

The undersigned Contractor in accordance with Florida Statute 287.087 hereby certifies that
SurvTech Solutions, Inc. does:
(Name of Business)

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under proposal a copy of the statement specified in subsection (1).
4. In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under proposal, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 Florida Statutes or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

As the person authorized to sign the statement, I certify that this firm complies fully with the above requirements.


Bidder's Signature

9/13/2023
Date:

VENDOR CERTIFICATION REGARDING SCRUTINIZED COMPANIES' LISTS

Vendor Name: SurvTech Solutions, Inc.
Vendor FEIN: 52-2444588
Authorized Representative's Name: David O'Brien
Authorized Representative's Title: President
Address: 10220 US Hwy 92 East
City, State and Zip Code: Tampa, FL 33610
Phone Number: (813) 621-4929
Email Address: dobrien@survtechsolutions.com

Sections 287.135 and 215.473, Florida Statutes, prohibit Florida municipalities from contracting with companies, for goods or services over \$1,000,000 that are on either the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or to engage in any Business operations with Cuba or Syria. Sections 287.135 and 215.4725 also prohibit Florida municipalities from contracting with companies, for goods or services in any amount that are on the list of Scrutinized Companies that Boycott Israel.

The list of "Scrutinized Companies" is created pursuant to Section 215.473, Florida Statutes. A copy of the current list of "Scrutinized Companies" can be found at the following link:
<https://www.sbafla.com/fsb/FundsWeManage/FRSPensionPlan/GlobalGovernanceMandates/QuarterlyReports.aspx>

As the person authorized to sign on behalf of the Respondent Vendor, I hereby certify that the company identified above in the section entitled "Respondent Vendor Name" is not listed on either the Scrutinized Companies with Activities in Sudan List; or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List; is not participating in a boycott of Israel; and does not have any business operations with Cuba or Syria. I understand that pursuant to Sections 287.135 and 215.473, Florida Statutes, the submission of a false certification may subject the Respondent Vendor to civil penalties, attorney's fees, and/or costs.

I understand and agree that the City may immediately terminate any contract resulting from this solicitation upon written notice if the company referenced above are found to have submitted a false certification or any of the following occur with respect to the company or a related entity: (i) for any contract for goods or services in any amount of monies, it has been placed on the Scrutinized Companies that Boycott Israel List, or is engaged in a boycott of Israel, or (ii) for any contract for goods or services of one million dollars (\$1,000,000) or more, it has been placed on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or it is found to have been engaged in business operations in Cuba or Syria.

Authorized Signature

David O'Brien

Print Name


Signature

TRUTH-IN-NEGOTIATION CERTIFICATE AND AFFIDAVIT

STATE OF FLORIDA §
COUNTY OF ST. LUCIE §

Before me, the undersigned authority, personally appeared affiant David O'Brien,
who being first duly sworn, deposes and says:

1. That the undersigned firm is furnishing this Truth in Negotiation Certificate pursuant to Section 287.055(5)(a) of the Florida Statutes for the undersigned firm to receive an agreement for professional services with the City of Port St. Lucie, St. Lucie County, Florida.

2. That the undersigned firm is a corporation which engages in furnishing professional engineering services and is entering into an agreement with the City of Port St. Lucie, St. Lucie County, Florida to provide professional services for a project known as Continuing Contracts for Survey & Mapping Svcs. Contract # 20230097.

3. That the undersigned firm has furnished the City of Port St. Lucie, St. Lucie County, Florida a detailed analysis of the cost of the professional services required for the project.

4. That the wage rate information and other factual unit cost, which the undersigned firm furnished, were accurate, complete and current at the time the undersigned firm and the City of Port St. Lucie entered into the agreement for professional services on the project.

5. That the agreement which the undersigned firm and the City of Port St. Lucie entered into on this job contained a provision that the original agreement price and any additions thereto shall be adjusted to include any significant sums by which the City of Port St. Lucie determines the agreement price was increased due to inaccurate, incomplete or non-current wage rates or other factual unit cost and that all such agreement adjustments shall be made within one (1) year following the end of the agreement.

FURTHER AFFIANT SAYETH NAUGHT

SurvTech Solutions, Inc.

Name of Firm

David O'Brien

By: President

The foregoing instrument was acknowledged before me by David O'Brien
who has produced _____ as identification or is personally known to me.

WITNESS my hand and official seal in the State of County last aforesaid this 13th day of
September, 2023.

(SEAL)



Signature

Morgan Suissa

Notary Name (typed or printed)

HR Manager

Title or Rank



MORGAN SUISSA
Commission # HH 163338
Expires December 9, 2025
Bonded Thru Budget Notary Services