



## City of North Port Professional Surveying Services - Continuing Services

RFP No. 2023-38

*Submitted by:*

**Bowman Consulting Group Ltd.**

**Max George, PSM** | *Director of Surveying/Primary Contact*  
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Tampa, FL 33609  
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mgeorge@bowman.com

*Submitted to:*

**City of North Port**  
**Finance Department - Purchasing Division**

**Keith Raney** | *Contract Administrator II*  
4970 City Hall, 3rd Floor, Ste. 337  
North Port, FL 34286

*August 9, 2023*

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## Tab 1: Transmittal Letter

## Tab 1 - Transmittal Letter

August 9, 2023

Keith Raney  
Contract Administrator II  
City of North Port  
Finance Department - Purchasing Division  
4970 City Hall, 3rd Floor, Ste. 337  
North Port, Florida 34286

**RE: RFP No. 2023-38**  
**Professional Surveying Services - Continuing Services**

Dear Keith Raney:

Bowman Consulting Group, Ltd. (Bowman) is pleased to present our statement of qualifications to provide surveying and mapping services to the City of North Port, as outlined in RFP No. 2023-38 and subsequent Addendum #1 and #2.

Bowman has established a long and successful history providing the full spectrum of geospatial support to state and local governments as well as private enterprises. These include all the services listed in the Scope of Services provided by the City (RFP Part II). Bowman is unique in that we provide all of these services organically within our firm, which enables us to be far more responsive to our clients' needs.

Our goal is to be a value-added partner for the City. We seek not to simply provide a needed service in support of a project, but to use our expertise and experience to assist the City in accomplishing the overall project goal on time and on budget. Bowman understands our role in being stewards of the public trust and treasure.

The enclosed qualifications, experience and references demonstrate our competence and ability to complete the requested surveying services quickly and efficiently to meet the City of North Port's surveying needs.

Should you have any questions or require further information, please do not hesitate to contact Max George, PSM. As Director of Surveying in our Tampa, Florida office, Max will serve as the overall project manager and primary contact. He is authorized to commit Bowman to perform the work included in this proposal.

Sincerely,



**Max George, PSM** | Project Manager/Primary Contact  
5404 Cypress Center Blvd, Suite 140  
Tampa, FL 33609  
O: 813.474.7424 | D: 813.687.4378  
mgeorge@bowman.com



**Steve Brickley, PSM** | Principal-in-Charge  
301 SE Ocean Blvd, Ste. 301  
Stuart, FL 34994  
O: 772.283.1413 | D: 772.678.4050  
sbrickley@bowman.com



## **Tab 2 - Qualifications of the Consultant Firm**

# Tab 2 - Qualifications of the Consultant Firm

## FIRM OVERVIEW

Founded in 1995, Bowman Consulting Group Ltd. (Bowman) provides a full spectrum of surveying and geospatial services as well as civil engineering, right-of-way/property acquisition, planning, environmental, landscape architecture, water/wastewater engineering and transportation services to a range of public and private markets throughout Florida and nationwide. Our firm offers particular expertise in zoning, economic development and in land development/building regulations at the local, state and federal levels. The work of the firm includes commercial, industrial, educational, residential, retail, health care, recreational, utility, municipal and federal projects. The result is a survey team that is highly experienced in delivering a variety of products to professionals that meet their specific project needs.

### Location

Work for this contract with the City of North Port will be led and performed by our **Tampa, Florida office**. Additional surveying support will be available from our Stuart, Florida office. If required, for unforeseen circumstances such as a major hurricane, survey crews and office staff from other regional offices can assist the Tampa office, as well.

Our goal is to integrate our expertise and services as fully as possible with our client’s internal teams, creating a structure that is responsive, budget-friendly and dependable. This allows our team to be more proactive, which in turn provides more efficient delivery of our services and allows us to add value by looking beyond the immediate task to the ultimate goal. We are then able to recommend potential alternatives or “lessons learned” from similar projects to the City consideration.



## LEGAL NAME

Bowman Consulting Group Ltd.

## DATE FOUNDED

6/7/1995

## DATE INCORPORATED

11/13/2020

## YEARS OF SURVEYING EXPERIENCE

28 years

## BUSINESS STRUCTURE

Corporation/C-Corp

## FEDERAL ID NUMBER

54-1762351

## CORPORATE OFFICE ADDRESS

12355 Sunrise Valley Dr., Suite 520  
Reston, VA 20191  
P: 703.464.1000

## LOCAL OFFICE ADDRESS

5404 Cypress Center Blvd, Ste. 140  
Tampa, FL 33609  
P: 813.474.7424 | F: 321.255.7751

## CONTACT PERSON

Max George, PSM  
O: 813.474.7424 | D: 813.687.4378  
mgeorge@bowman.com

## WEBSITE

www.bowman.com

## RELEVANT LICENSURE

Registered as a legal entity in the State of Florida

## DUNS NUMBER

94-559-0859

## CAGE NUMBER

1SXA7

## Land Surveying Services

Identifying the unknown is often the greatest challenge that property owners face in the early stages of a project. Whether a large water treatment plant or a parcel acquisition, utilizing qualified surveyors to identify and understand field conditions provides greater design accuracy, minimizes cost impacts and helps to ensure successful project delivery.

With more than 100 fully equipped field survey crews across the nation, Bowman understands the complexities and changing demands of evolving markets, and rises to the challenge with the best and brightest professionals and multi-disciplinary teams. From routine boundary surveys to complicated aerial surveys utilizing the latest drone technology, Bowman's surveying teams are experts who recognize the importance of comprehensive professional land surveying services for our communities' growth and development, and are committed to delivering safe, innovative, and reliable solutions that support our clients' goals on every project.



### Survey Expertise

- ALTA/NSPS Land Title Surveys
- Boundary & Topographic Surveys
- GPS/Geodetic Control Surveys
- Route/Corridor Surveys
- Construction Layout/Staking
- Utility Location & As-Builts
- Aerial Mapping/Photogrammetry/LiDAR
- Terrestrial LiDAR
- Full Platting Services
- Bathymetric Surveys
- Subdivisions
- Easements
- Expert Witness Testimony
- Condemnation Surveys
- GIS Mapping CAD Support
- Subsurface Utility Engineering (SUE)
- Land Acquisition Services with Web Portal

### Safety is a Priority

Safety is paramount for the Bowman team, and one of our firm's cultural values. We fully comply with project-specific safety plans established by our clients and take a proactive approach to safety. Our continued focus on the safety and well-being of our employees and clients, and our best practices on job sites is reflected in our consistently positive industry safety rating. Bowman's EMR (Experience Modification Rating) for the past six years is:

<b>2022</b> - 0.69	<b>2020</b> - 0.68	<b>2018</b> - 0.81
<b>2021</b> - 0.75	<b>2019</b> - 0.71	<b>2017</b> - 0.81



## PART I - CONTRACT - SPECIFIC QUALIFICATIONS

### A. CONTRACT INFORMATION

1. TITLE AND LOCATION *(City and State)*

**Bowman Consulting Group Ltd. (Tampa, FL)**

2. PUBLIC NOTICE DATE

07/07/2023

3. SOLICITATION OR PROJECT NUMBER

RFP No. 2023-38

### B. ARCHITECT - ENGINEER POINT OF CONTACT

4. NAME AND TITLE

Max George, PSM | Project Manager/Primary Point of Contact

5. NAME OF FIRM

Bowman Consulting Group Ltd.

6. TELEPHONE NUMBER

813.474.7424

7. FAX NUMBER

321.255.7751

8. E-MAIL ADDRESS

mgeorge@bowman.com

### C. PROPOSED TEAM

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

	<i>(Check)</i>			9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
	PRIME	J-V Partner	SUBCONTRACTOR			
a.	<input checked="" type="checkbox"/>			Bowman Consulting Group Ltd.  <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	Bowman Consulting Group Ltd. 5404 Cypress Center Blvd, Ste. 140 Tampa, FL 33609	Lead Office
b.	<input checked="" type="checkbox"/>			Bowman Consulting Group Ltd.  <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	Bowman Consulting Group Ltd. 301 SE Ocean Blvd, Ste. 301 Stuart, FL 34994	Support Office (Survey/SUE)
c.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		
d.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		
e.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		
f.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		

### D. ORGANIZATIONAL CHART OF PROPOSED TEAM

*Included in Tab 3*

# ARCHITECT-ENGINEER QUALIFICATIONS



1. SOLICITATION NUMBER (If any)  
RFP No. 2023-38

## PART II - GENERAL QUALIFICATIONS

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

2a. FIRM (or Branch Office) NAME <b>Bowman Consulting Group Ltd. (Tampa, FL)</b>			3. YEAR ESTABLISHED 1995	4. UNIQUE ENTITY IDENTIFIER UEI #: P98HKXYNA6M9 DUNS # 945590859
2b. STREET 5404 Cypress Center Blvd, Ste. 140			5. OWNERSHIP	
2c. CITY Tampa	2d. STATE FL	2e. ZIP CODE 33609	a. TYPE Corporation	
6a. POINT OF CONTACT NAME AND TITLE Max George, PSM   Project Manager / Director of Surveying			b. SMALL BUSINESS STATUS N/A	
6b. TELEPHONE NUMBER 813.474.7424			7. NAME OF FIRM (If Block 2a. is a Branch Office) Bowman Consulting Group Ltd.	
6c. EMAIL ADDRESS mgeorge@bowman.com				
8a. FORMER FIRM NAME(S) (If any)			8b. YEAR 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. Number of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
02	Administrative	324	6	A02	Aerial Photography: Airborne Data	3
08	CADD Technician	152	1	C10	Commercial Building	10
12	Civil Engineer	439	12	C15	Construction Management	6
15	Construction Inspector	27		E02	Educational Facilities; Classrooms	6
16	Construction Manager	5		E07	Energy Infrastructure	8
21	Electrical Engineer	28		E10	Environmental and Natural Resources	2
24	Environmental Scientist	23		H11	Housing/Group Homes	10
25	Fire Protection Engineer	20		L03	Landscape Architecture	2
27	Foundations/Geotechnical Engineer	0		M06	Mining & Mineralogy	6
29	GIS Specialist	9		P06	Planning (Site, Installation, and Project)	6
30	Geologist	8		S10	Surveying; Platting; Mapping; Flood Plain	8
32	Hydraulic Engineer	1		T03	Traffic & Transportation Engineering	9
38	Land Surveyor	68		U03	Utilities	8
39	Landscape Architect	31		W02	Water Resources; Hydrology	6
40	Materials Engineer	2				
42	Mechanical Engineer	32				
47	Planner: Urban/Regional	37				
48	Project Manager	78				
49	Remote Sensing Specialist	0				
57	Structural Engineer	13				
58	Technician/Analyst (Survey)	202	2			
60	Transportation Engineer	168				
62	Water Resources Engineer	12				
	Other Employees	155	16			
	<b>Total Employees</b>	<b>1823</b>	<b>37</b>			

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	10	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	10	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
<b>c. Total Work</b>	<b>10</b>	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	10. \$50 million or greater	
		5. \$1 million to less than \$2 million			

### 12. AUTHORIZED REPRESENTATIVE

*The foregoing is a statement of facts.*

a. SIGNATURE 	b. DATE 08/09/2023
c. NAME AND TITLE Max George, PSM   Project Manager / Director of Surveying	

# ARCHITECT-ENGINEER QUALIFICATIONS



1. SOLICITATION NUMBER (If any)  
RFP No. 2023-38

## PART II - GENERAL QUALIFICATIONS

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

2a. FIRM (or Branch Office) NAME <b>Bowman Consulting Group Ltd. - Stuart</b>			3. YEAR ESTABLISHED 1995	4. UNIQUE ENTITY IDENTIFIER UEI #: P98HKXYNA6M9 DUNS # 945590859	
2b. STREET 301 SE Ocean Blvd, Suite 301			5. OWNERSHIP a. TYPE Corporation		
2c. CITY Stuart	2d. STATE FL	2e. ZIP CODE 34994			
6a. POINT OF CONTACT NAME AND TITLE Steve Brickley, PSM   Principal			b. SMALL BUSINESS STATUS N/A		
6b. TELEPHONE NUMBER 772.283.1413			7. NAME OF FIRM (If Block 2a. is a Branch Office) Bowman Consulting Group Ltd.		
6c. EMAIL ADDRESS sbrickley@bowman.com			8a. FORMER FIRM NAME(S) (If any)		
8b. YEAR 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. Number of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
02	Administrative	324	5	A02	Aerial Photography: Airborne Data	3
08	CADD Technician	152	8	C10	Commercial Building	10
12	Civil Engineer	439	9	C15	Construction Management	6
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21	Electrical Engineer	28		E10	Environmental and Natural Resources	2
24	Environmental Scientist	23		H11	Housing/Group Homes	10
25	Fire Protection Engineer	20		L03	Landscape Architecture	2
27	Foundations/Geotechnical Engineer	0		M06	Mining & Mineralogy	6
29	GIS Specialist	9	2	P06	Planning (Site, Installation, and Project)	6
30	Geologist	8		S10	Surveying; Platting; Mapping; Flood Plain	8
32	Hydraulic Engineer	1		T03	Traffic & Transportation Engineering	9
38	Land Surveyor	68	6	U03	Utilities	8
39	Landscape Architect	31		W02	Water Resources; Hydrology	6
40	Materials Engineer	2				
42	Mechanical Engineer	32				
47	Planner: Urban/Regional	37				
48	Project Manager	78	2			
49	Remote Sensing Specialist	0				
57	Structural Engineer	13				
58	Technician/Analyst (Survey)	202	14			
60	Transportation Engineer	168				
62	Water Resources Engineer	12				
	Other Employees	155	4			
	<b>Total Employees</b>	<b>1823</b>	<b>51</b>			

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

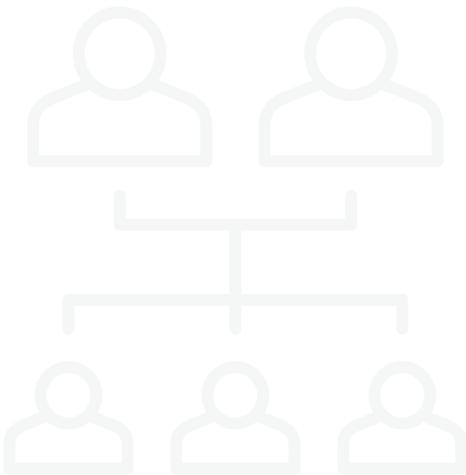
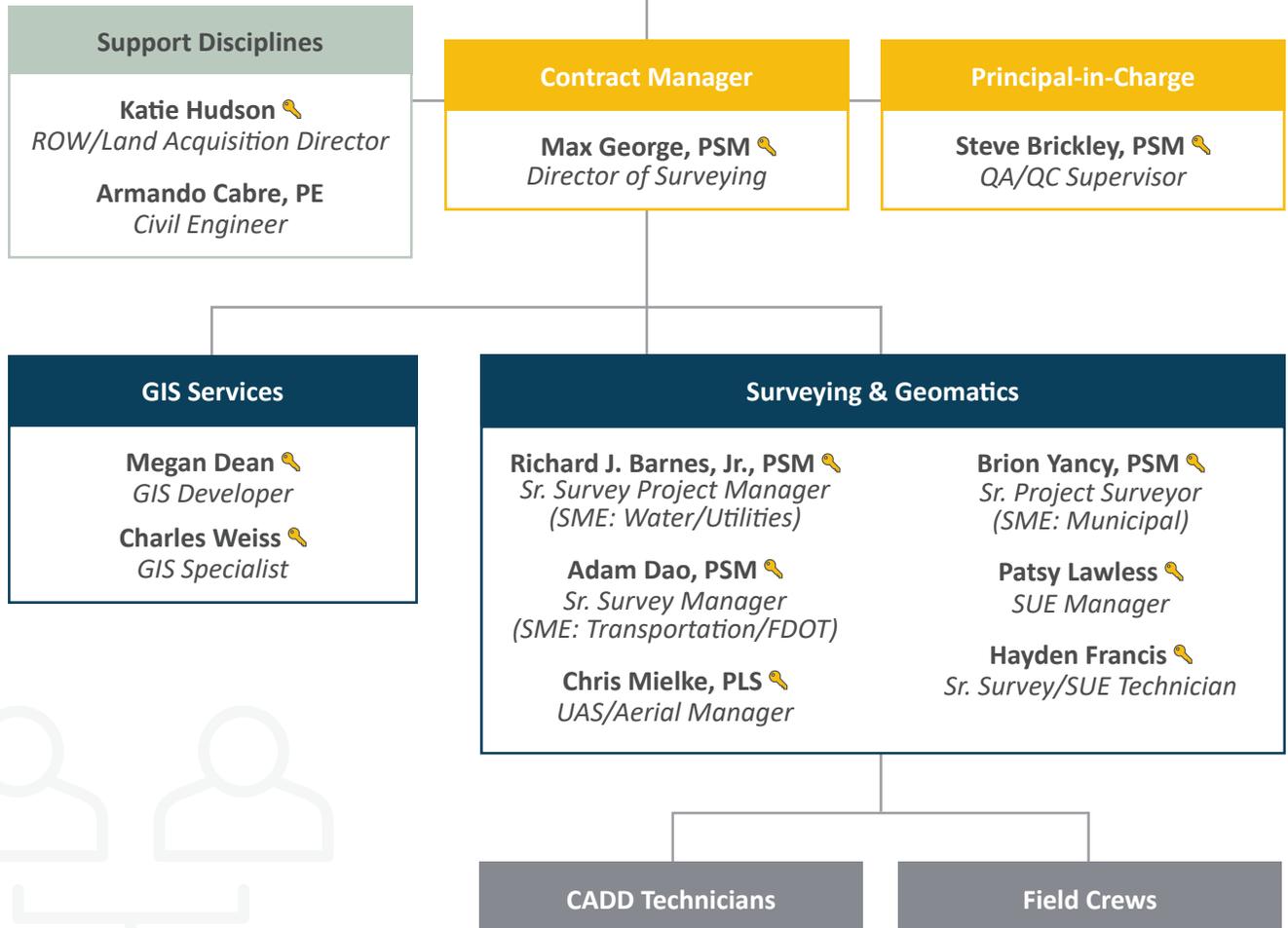
<b>12. AUTHORIZED REPRESENTATIVE</b> <i>The foregoing is a statement of facts.</i>	
a. SIGNATURE 	b. DATE 08/09/2023
c. NAME AND TITLE Steve Brickley, PSM   Principal	



**Tab 3 - Qualifications of the Project Team  
/ Project Manager Experience**

# Tab 3 - Qualifications of the Project Team / Project Manager Experience

## TEAM ORGANIZATIONAL CHART



 Key Team Member with Resume Included

# Project Manager Experience

Our contract manager, Max George, will be the City's primary point of contact for this contract. Assigning one dedicated point of contact will streamline our collaboration, thus eliminating the chances for confusion or miscommunication. Our team also includes Steve Brickley, who will serve as Principal-in-Charge and QA/QC Supervisor. In addition to Max and Steve, our team includes the following key project management team, who will be assigned to projects based on their particular subject matter expertise. Resumes and copies of licensure for our management team and other key personnel can be found on the pages to follow.

## **Steve Brickley, PSM | Principal-in-Charge / QAQC**

Steve has over 20 years of surveying experience including managing surveying contracts and projects with particular experience with state and municipal government clients in Florida. In addition to typical surveys (right-of-way determination, boundary, topographic surveys), GPS (static and RTK) surveys and establishing published controls, Steve is also specialized in PLSS retracement surveys, mean high water line surveys, GIS mapping projects and maintenance mapping. Steve oversees all aspects of the department from client service, project management, professional development, and QA/QC check-ins to make sure the Bowman work product exceeds client expectations and industry standards.

## **Max George, PSM, PLS, CFM | Contract Manager**

As the Director of Survey for Bowman's Tampa, Florida region, Max brings over 31 years of experience to assist design teams and clients with answering the what and where components of their projects. Max is experienced with a wide range of survey tasks supporting private industrial, commercial and residential development, including both platting and condominiums, ALTA surveys, topographic and boundary/ROW surveys for site, utility and road projects, FEMA elevation certificates and LOMA's, submerged land leases, easements and legal descriptions and construction support. Max is also familiar with aerial, mobile, and terrestrial LiDAR as well as photogrammetry utilizing Unmanned Aerial Systems (UAS), GPS/GNSS as well as Ground Penetrating Radar (GPR).

## **Richard J. Barnes, Jr., PSM | Sr. Survey Project Manager**

### **SME: Water/Utilities**

Richard ("Rick") has over 40 years of surveying experience performing boundary, topographic, mean high water line, hydrographic, as-built and control surveys, as well as right-of-way surveying and mapping and preparing of legal descriptions. Prior to joining Bowman in 2016, Rick spent 38 years employed at the

South Florida Water Management District (SFWMD) managing the survey and mapping section for over At Bowman, he has continued involvement in the public sector, managing a number of continuous services governmental contracts such as SFWMD, Lake Worth Drainage District, St. Lucie County, Florida Department of Environmental Protection, St. Johns River Water Management District (SJRWMD), Martin County and St. Lucie County. Rick is also highly experienced in providing expert testimony.

## **Adam Dao, PSM | Sr. Survey Project Manager**

### **SME: Transportation/FDOT**

Adam has more than 16 years of surveying experience which include the preparation of Microstation and Civil 3D survey drawings along with managing several different aspects of this field. His experience includes ALTA/NSPS Land Title surveys, boundary surveys, right-of-way control surveys and maps, horizontal and vertical control surveys, topographic surveys, as-built surveys, construction surveys, mean high water line surveys, PLSS retracement surveys, Digital Terrain Models (DTM) and platting. Adam is very knowledgeable in surveying practices and procedures for transportation/FDOT projects.

## **Brion Yancy, PSM | Sr. Survey Project Manager**

### **SME: Municipal**

Brion has over 12 years of surveying experience in providing a wide range of survey and mapping services. His responsibilities include complete design surveys and mapping preparation including platting, GIS, maintenance mapping and legal descriptions. Brion is experienced in PLSS retracement surveys, boundary surveys, topographic surveys, hydrographic surveys, route surveys, horizontal and vertical control surveys, construction layout, as-built surveys and served as an expert witness in photogrammetric measurements in photo simulations. He is the current President of the Indian River Chapter of the Florida Surveying and Mapping Society. Brion has expertise in surveying for local municipalities.

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**  
(Complete on section E for each key person.)

12. NAME <b>Steve Brickley, PSM</b>	13. ROLE IN THIS CONTRACT Principal-in-Charge/QAQC Supervisor	14. YEARS EXPERIENCE	
		a. TOTAL 20	b. WITH CURRENT FIRM 10

15. FIRM NAME AND LOCATION (City and State)  
Bowman Consulting Group Ltd. (Stuart, FL)

16. EDUCATION (DEGREE AND SPECIALIZATION) B.S. Geomatics, University of Florida B.A. Liberal Arts, University of Florida	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Surveyor and Mapper: Florida (#LS6841)
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

FDOT Intermediate MOT OSHA 10 Construction Safety NSC CPR/First Aid	Florida Society of Professional Surveyors & Mappers Treasure Coast Builders Association
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**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION (City and State) <b>Farmers Market Road Culvert Replacement (St. Lucie County, FL)</b>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2016	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE a. Project Manager. Control & topographic survey for base map and design and construction of new drainage improvements including the replacement of an existing deteriorated 36-in culvert with approximately 60 LF of box culvert. Bowman performed a topographic survey, base mapping, right-of-way locations, utility locations and easement preparation. Fees: \$58,191.		
(1) TITLE AND LOCATION (City and State) <b>Bridge Road Resurfacing &amp; Bike Lanes (Martin County, FL)</b>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2018	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE b. Project Manager. Performed surveying services to collect topographic data along Bridge Road in Hobe Sound over +/-8 miles from US-1 to CR-711 to aid in the design and construction of roadway improvements. Services included establishing control, taking cross-sections, collecting topographic data at all driveways and intersections, locating visible improvements and utilities, establishing road rights-of-way and tree location. Fees: \$88,940.		
(1) TITLE AND LOCATION (City and State) <b>SW Martin Highway (SR-714) Topographic Survey (Martin County, FL)</b>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2018	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE c. Project Manager. Project included a topographic survey along SW Martin Highway, SW Citrus Blvd. & 84th Ave. The survey was completed for road improvements and the construction of a bicycle path. Cross sections were established at 200-ft intervals, all intersections and driveways were detailed and right-of-way lines were verified. All improvements, drainage features and utilities were located within the right-of-way. Fees: \$96,090.		
(1) TITLE AND LOCATION (City and State) <b>Stuart Fire Station No. 3 Boundary/Topographic Survey (Stuart, FL)</b>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2021	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE d. Project Manager. Bowman completed a boundary and topographic survey for the proposed design and construction of the city of Stuart Fire Station No. 3. All utilities, trees and wetlands were located. The provided legal description was found to have errors, so a new legal description was prepared. Fees: \$13,550.		
(1) TITLE AND LOCATION (City and State) <b>Martin County Airport Parcel C (Martin County, FL)</b>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE e. Project Manager. Bowman completed a boundary survey of parcel "C" at the Martin County Airport to be included in lease documents. All changes in direction were monumented along with locating all of the improvements, utilities and drainage features. Fees: \$5,700.		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**  
(Complete on section E for each key person.)

12. NAME <b>Max George, PSM, PLS, CFM</b>	13. ROLE IN THIS CONTRACT Project Manager	14. YEARS EXPERIENCE	
		a. TOTAL 30	b. WITH CURRENT FIRM 1.5

15. FIRM NAME AND LOCATION (City and State)  
Bowman Consulting Group Ltd. (Tampa, FL)

16. EDUCATION (DEGREE AND SPECIALIZATION) B.S. Land Surveying, Michigan Technological University A.A.S. Civil Engineering Technology, Michigan Tech. University	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Surveyor & Mapper: Florida (#LS7343); Michigan (#4001053443); Indiana (#LS20900166)
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)  
Certified Floodplain Manager (#US-10-04872)  
Florida Society of Professional Surveyors & Mappers

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>CubeSmart Force Main Extension &amp; Upgrade Project (Pinellas County FL)</b>	2023	N/A
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager. Topographic and ROW survey to support the design and construction of a 2,000-LF upgrade to a sanitary sewer force main. Specific survey tasks included retracement of county and state road right-of-way, retracement of property lines, establishing site horizontal and vertical control based on established benchmarks, research of ownership and right-of-way as well as as-built plans of record, mapping improvements within project limits. Fees: \$12,500.		
<input checked="" type="checkbox"/> Check if project performed with current firm		
<b>City of Rockledge - Force Main &amp; New Construction (Rockledge, FL)</b>	2022	N/A
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project manager for 4,500 LF topo and ROW survey in support of the design of sanitary sewer force main improvements and new force main construction to support a new 200-acre multi-use development. Survey included establishing horizontal and vertical control, including Benchmarks and control points for construction layout; research of ROW, retracement of the ROW along FDOT, County and City roads; Coordinated SUE investigations.		
<input checked="" type="checkbox"/> Check if project performed with current firm		
<b>City of Lake Wales - First Street Streetscape (Lake Wales, FL)</b>	2021	N/A
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project manager for a 0.5-mile long streetscape project. Survey tasks included public record research, establishing horizontal and vertical control, coordination and integration of SUE mapping, mapping existing improvements and utilities and determining the right of way along the project corridor.		
<input type="checkbox"/> Check if project performed with current firm		
<b>City of Lakeland - Southwest Lift Station (Lakeland, FL)</b>	2021	N/A
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project manager for a topographic survey of an existing lift station including SUE coordination and integration as part of a lift station upgrade project. The survey tasks included mapping limited off site sewer manholes together with utilizing City of Lakeland vertical control and recovering the site boundary.		
<input type="checkbox"/> Check if project performed with current firm		
<b>Garinier Florida Citrus, Inc. - Masterpiece Road Site (Lake Wales, FL)</b>	2021	N/A
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project manager for a boundary/topo survey of a +200-acre site in support of a single-family home development project. Required tasks included public record and public agency records research, recovery of Public Land Survey System (GLO) corners, establishing horizontal and vertical control, recovering and monumenting the overall site boundary and mapping the terrain and improvements as well as adjoining roads.		
<input type="checkbox"/> Check if project performed with current firm		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**  
(Complete on section E for each key person.)

12. NAME <b>Richard E. Barnes, Jr., PSM</b>	13. ROLE IN THIS CONTRACT Sr. Survey Manager	14. YEARS EXPERIENCE	
		a. TOTAL 46	b. WITH CURRENT FIRM 6.5

15. FIRM NAME AND LOCATION (City and State)  
Bowman Consulting Group Ltd. (Stuart, FL)

16. EDUCATION (DEGREE AND SPECIALIZATION) A.S. Land Surveying, Palm Beach State College (graduated with Presidential Honors)	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Surveyor & Mapper: Florida (#LS5173)
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)  
Florida Surveying and Mapping Society (FSMS): Indian River Chapter  
National Society of Professional Surveyors (NSPS)

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	<b>SFWMD - Western Everglades Restoration Project (Miami-Dade, Broward, Monroe &amp; Collier Counties, FL)</b>	2022	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Sr. Survey Manager. This project involves collecting topographic data along SFWMD L-28, Tamiami Road and canal, Loop Road and 11-Mile Road, totaling over 60 miles. Multi-beam sonar, mobile LiDAR and traditional ground surveys were utilized. The survey took place deep in the heart of the Florida Everglades. Cost: \$693,587.		
	<input checked="" type="checkbox"/> Check if project performed with current firm		
b.	<b>SFWMD - G-341 Improvements Project (Palm Beach County, FL)</b>	2020	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Sr. Survey Manager. Established and mapped ROW of levees L-13, L-14 and L-15 totaling +/- 40 miles. Survey included establishing and monumenting of a baseline at 1/2-mile intervals, establishing the intersecting section lines, re-establishing lost section corners and filing certified corner records for all found and set section corners. The ROW lines were monumented at all intersecting section lines. Fees: \$623,440.		
	<input checked="" type="checkbox"/> Check if project performed with current firm		
c.	<b>SFWMD - Fowler's Way / C-43 Canal Boundary Survey (Palm Beach County, FL)</b>	2021	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Sr. Survey Manager. This 80-acre boundary survey for the SFWMD involved establishing the boundary of a district parcel that lies along the C-43 Canal for possible sale as surplus lands. The survey included flying current aerial imagery captured from a drone, monumenting the boundary, locating and photographing improvements, and preparing a certified survey drawing that included certified section corner reports, photos and title research. Fees: \$27,994.		
	<input checked="" type="checkbox"/> Check if project performed with current firm		
d.	<b>Martin County - Haney Creek North River Shores Outfall Survey (Martin County, FL)</b>	2017	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Sr. Survey Manager. Surveying on this project to map and provide elevation data along Haney Creek from the box culvert outfall along US-1 to an elevation that is less than the invert elevation of said box culverts. The proposed course was +/- 1,900 ft derived from historic aerial imagery. Topo survey included establishing invert elevations, establishing control, a centerline profile and cross-sections, and prepared survey drawings. Fees: \$14,525.		
	<input checked="" type="checkbox"/> Check if project performed with current firm		
e.	<b>NE Cardinal Avenue Topographic Survey (Stuart, FL)</b>	2019	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Sr. Survey Manager. Bowman completed a topographic survey along NE Cardinal Avenue for the resurfacing of the pavement. All improvements were located along the right-of-way. Offset stakes were set and graded for the construction of the new road surface. Fees: \$4,152.		
	<input checked="" type="checkbox"/> Check if project performed with current firm		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**  
(Complete on section E for each key person.)

12. NAME  <b>Adam Dao, PSM</b>	13. ROLE IN THIS CONTRACT  Sr. Project Surveyor	14. YEARS EXPERIENCE	
		a. TOTAL <b>17</b>	b. WITH CURRENT FIRM <b>10</b>

15. FIRM NAME AND LOCATION (City and State)  
Bowman Consulting Group Ltd. (Stuart, FL)

16. EDUCATION (DEGREE AND SPECIALIZATION) B.S. Geomatics, University of Florida B.A. Anthropology, University of Florida	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Surveyor and Mapper: Florida (#LS6899)
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)  
FDOT Intermediate Maintenance of Traffic  
OSHA 29 CFR 1926  
NSC CPR/First Aid  
CSX Contractor Safety & Roadway Worker Protection (Certification & Instructor)

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	<b>FDOT District 4 - Jensen Beach Causeway Control Survey (District 4) (Martin County, FL)</b>	2020	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Project manager for surveying services for two-mile right-of-way control project located in Martin County. Scope included setting control utilizing static GPS observations, developing the historic baseline alignment and existing right-of-way corridor with subdivision calculations and development of a control survey. Fees: \$111,874.		
b.	<b>FDOT District 4 - Johnson Street Baseline Survey (Broward County, FL)</b>	2018	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Project manager for surveying services for three-mile right-of-way control survey project which included developing an existing right-of-way corridor and baseline of survey, including subdivision calculations and approval of baseline of survey for Johnson Street. Fees: \$117,559.		
c.	<b>FDOT District 4 - CR-510 to 58th Avenue Mobile Scan (Indian River County, FL)</b>	2016	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Project manager. Survey services included verification of the BLC and BP points from project network control sheets, established horizontal control on aerial and mobile LiDAR targets, established vertical control on LiDAR targets, took pavement cross-sections along CR-510, performed a DTM/topographic survey, and performed a drainage survey. Fees: \$119,824.		
d.	<b>FDOT District 4 - CR-612 at 74th Avenue Baseline &amp; Right-of-Way</b>	2019	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project manager for project that established the baseline of survey and right-of-way corridor for CR-612 and 74th avenue 600 ft in all directions and involved using records from the Indian River County survey department, certified corner records, subdivision plats, deeds and found monuments to produce the historic baseline and right-of-way. Fees: \$25,825.		
e.	<b>FDOT - PD&amp;E SR-A1A North Bridge over ICWW Bridge Replacement (St. Lucie County, FL)</b>	2018	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project manager on this one-mile design survey and two and a half-mile control survey project. The project involved locating improvements in the field, ground shots and cross sections along the road corridor, and locating and processed data connecting underground utilities over the two-mile project boundary. Fees: \$11,551.		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**  
(Complete on section E for each key person.)

12. NAME <b>Brion Yancy, PSM</b>	13. ROLE IN THIS CONTRACT Sr. Project Surveyor	14. YEARS EXPERIENCE	
		a. TOTAL 13	b. WITH CURRENT FIRM 3.5

15. FIRM NAME AND LOCATION (City and State)  
Bowman Consulting Group Ltd. (Stuart, ST)

16. EDUCATION (DEGREE AND SPECIALIZATION) B.S. Environmental Science, University of Phoenix	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Surveyor & Mapper: Florida (#LS7162)
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

FDOT Intermediate MOT, NSC Certified in CPR/First Aid	Florida Surveying and Mapping Society, Indian River Chapter, (Current president)	National Society of Professional Surveyors
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**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>Martin County Neighborhood Restoration Projects (Martin County, FL)</b>	Ongoing	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm a. Sr. Project Surveyor. Specific purpose surveys of numerous neighborhood restoration projects, encompassing more than 200 miles. Topographic and right-of-way control surveys were performed in support of efforts to create an understanding of the conditions and material for roads, culverts, swales, catch basins and driveways within the right-of-way. This is part of a master surveying contract with Martin County. Cost: Various.		
<b>Vertical Control Projects (Martin County, FL)</b>	Ongoing	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm b. Sr. Project Surveyor/Manager. Bowman's Florida surveying team is responsible for maintaining and reestablishing benchmarks for Martin County's vertical control. This is part of a master surveying contract with Martin County. Cost: Various.		
<b>City of Miami - C-100 Canal Survey (Broward County, FL)</b>	2014	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm c. Project Surveyor. Assisted in mapping the canal, muck volume, canal right-of-way, and encroachments. Services consisted of a design survey, which was performed by topo surveying, hydrographic surveying, ROW control survey, and dual frequency side-scan sonar along the C-100 canal. The scope included locating all improvements within the right-of-way, 10-ft outside the right-of-way, and certified corner records for all section corners used.		
<b>Martin County Fire Station #18 (Martin County, FL)</b>	2020	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm d. Sr. Project Surveyor. Bowman provided professional engineering and surveying services to Martin County for the design of Fire Station #18. Surveying services included the preparation of an ALTA/NSPS boundary and topographic survey and tree survey. Bowman also provided full engineering on this project. Cost: \$332,607 (total contract including engineering).		
<b>SFWMD - S-140 Pump Station Surveying (Broward County, FL)</b>	2020	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm e. Sr. Project Surveyor. Bowman provided professional surveying services for the SFWMD S-140 pump station that included performing as-builts and construction layout work on-site. Cost: \$10,000.		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**  
(Complete on section E for each key person.)

12. NAME <b>Chris Mielke, PLS</b>	13. ROLE IN THIS CONTRACT Director of Aerial & Mobile Mapping	14. YEARS EXPERIENCE	
		a. TOTAL 25	b. WITH CURRENT FIRM 1

15. FIRM NAME AND LOCATION (City and State)  
Bowman Consulting Group Ltd. (Tampa, FL)

16. EDUCATION (DEGREE AND SPECIALIZATION) B.S. Geography, Geographic Information Systems & Environmental Planning, Townson University	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Prof. Land Surveyor: North Carolina (#L-5021); South Carolina (#33462); Kentucky (#4381)
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)  
Chris has more than 22 years of extensive experience supervising surveys for military, federal, state, municipal, and private clients. His experience includes conventional route surveys, GPS, GNSS, subsurface utility engineering (SUE) surveys, high density laser scanning and photogrammetry.

**19. RELEVANT PROJECTS**

a.	(1) TITLE AND LOCATION (City and State) <b>FDOT - Statewide Mobile Scanning Projects (Various Locations, FL)</b>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2023	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager (Aerial/Mobile Mapping). These projects include, conventional survey, GNSS, Mobile Scanning, SUE and survey technologies. Chris oversees a staff of 20 remote sensing professionals and geospatial mapping technicians that produce Mobile LiDAR mapping deliverables using state of the art Mobile Mapping Equipment, UAS drone technology and mapping software for various FDOT projects across the state.		
	<input checked="" type="checkbox"/> Check if project performed with current firm		
b.	(1) TITLE AND LOCATION (City and State) <b>Brickell Bay (Miami, FL)</b>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2023	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Remote Sensing Task Lead. Provided oversight on a project that included mobile scanning, terrestrial scanning, photogrammetry, and survey control (GNSS) to create a scan to BIM model of approximately 50 acres of downtown Miami.		
	<input checked="" type="checkbox"/> Check if project performed with current firm		
c.	(1) TITLE AND LOCATION (City and State) <b>NCDOT Statewide Locations &amp; Surveying On-Call (Various Locations, SC)</b>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2022	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Program Manager for the NCDOT Locations & Survey on-call 2021-2022 contract and provided services to the NCDOT 2018-2020. Chris has provided various route location surveys, Laser scanning and mapping services for all 14 divisions for NCDOT on various \$4M two-year contracts.		
	<input type="checkbox"/> Check if project performed with current firm		
d.	(1) TITLE AND LOCATION (City and State) <b>City of Raleigh Bus Rapid Transit (PRT) (Raleigh, NC)</b>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2022	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Survey Manager. Provided land survey, photogrammetry and UAS services for the first Bus Rapid Transit (BRT) route in North Carolina. The corridor consists of 4 main routes totaling approximately 35 miles of roadway in Raleigh, NC. The overall survey budget for this project was approximately \$2,750,000.		
	<input type="checkbox"/> Check if project performed with current firm		
e.	(1) TITLE AND LOCATION (City and State) <b>Duke Energy Three-Year Land Surveying &amp; Geospatial On-Call (NC, SC, FL &amp; IN)</b>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2022	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Surveyor. Chris served as South Carolina (PLS) Professional Land Surveyor, for a 3-year on-call contract with Duke Energy and provided conventional, aerial surveying services, 3D Laser Scanning and GIS services to Duke Energy through this on-call contract. Chris' responsibilities include Health and Safety program management, contract management and review.		
	<input type="checkbox"/> Check if project performed with current firm		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**  
(Complete on section E for each key person.)

12. NAME <b>Patsy Lawless</b>	13. ROLE IN THIS CONTRACT <b>SUE Manager</b>	14. YEARS EXPERIENCE	
		a. TOTAL <b>15</b>	b. WITH CURRENT FIRM <b>4</b>

15. FIRM NAME AND LOCATION (City and State)  
**Bowman Consulting Group Ltd. (Stuart, FL)**

16. EDUCATION (DEGREE AND SPECIALIZATION) <b>A.S. Engineering, Bluefield State University</b>	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) <b>DCJS (#99-626494)</b>
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

<b>Florida Local Technical Assistance Program (LTAP)</b>	<b>American Council of Engineering Companies of Florida (ACEC-FL)</b>
<b>Florida Local Users' Group (FLUG)</b>	<b>NC Local Users' Group (NCLUG)</b>
<b>Florida Engineering Society (FES)</b>	<b>Women in Land Development, Engineering, Survey and</b>

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
<b>North Miami New Water Main Design (Miami-Dade County, FL)</b>	<b>2019</b>	<b>N/A</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float:right">X Check if project performed with current firm</span> a. SUE Manager. Provided SUE services along various areas within the City of North Miami to determine conflicts of the proposed water main design. Utility investigation (ASCE Quality Level A) determining the horizontal and vertical location of existing utilities within the project area which included electromagnetic designating of traceable subsurface utility facilities from surface accessible features, and GPR sweep for non-traceable facilities.		
<b>Loxahatchee River District - Olympus Drive Force Main Replacement (Juno Beach, FL)</b>	<b>2019</b>	<b>N/A</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float:right">X Check if project performed with current firm</span> b. SUE Manager. SUE services included utility investigation (ASCE Level B) identified the horizontal location of existing utilities within the project area which included electromagnetic designating of traceable subsurface utility facilities from surface accessible features, and ground penetrating radar sweep for non-traceable facilities. Also provided 21 field investigations (ASCE Level A) at proposed force main conflicts.		
<b>Prosperity Farms Road Bridge Replacement (Palm Beach County, FL)</b>	<b>2020</b>	<b>N/A</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float:right">X Check if project performed with current firm</span> c. SUE Manager. SUE services along Prosperity Farms Rd at SFWMD C-17 Canal to determine conflicts of the proposed water main and gas main replacement design. Utility investigation (ASCE Quality Level B) determined the horizontal location of existing utilities within the project area which included electromagnetic designating of traceable subsurface utility facilities from surface accessible features, and GPR sweep for non-traceable facilities.		
<b>FDOT, District 4 - Sunrise Boulevard Designates (Sunrise, FL)</b>	<b>2019</b>	<b>N/A</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float:right">X Check if project performed with current firm</span> d. SUE Manager. Provided ROW information, utility designates, utility investigation (ASCE Quality Level B), pavement markings and survey for mast arm relocations. Baseline established along SR-5. Survey data accompanied by Sketch delivered for confirming the proposed mast arm location, as well as close coordination with FDOT surveyors and engineers. ASCE Quality Level A air/vacuum test holes services/vertical verification locations of field investigation as requested by authorized representative to depict pole locations conflicts.		
<b>Surveying &amp; SUE Services for Chick-Fil-A, Inc. (Various Locations, FL)</b>	<b>Ongoing</b>	<b>N/A</b>
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <span style="float:right">X Check if project performed with current firm</span> e. SUE Manager. Provide Quality Level B designates to determine the horizontal location of existing utilities within project areas that include electromagnetic designating of traceable subsurface utility facilities from surface accessible features and ground penetrating radar (GPR) sweep for non-traceable facilities at multiple locations for new construction and proposed upgrades to the existing facilities. Quality Level A test holes are also performed at many of these locations for verification of proposed new utility connection conflicts.		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**  
(Complete on section E for each key person.)

12. NAME  <b>Katie Hudson</b>	13. ROLE IN THIS CONTRACT  Director of ROW Services	14. YEARS EXPERIENCE	
		a. TOTAL <b>10</b>	b. WITH CURRENT FIRM <b>8</b>

15. FIRM NAME AND LOCATION (City and State)  <b>Bowman Consulting Group Ltd. (Tampa, FL)</b>
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16. EDUCATION (DEGREE AND SPECIALIZATION)  <b>B.A. Criminal Justice, North Carolina A&amp;T State University</b>	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)  
 Kate has extensive experience in hiring, training and managing teams for high volume right-of-way (ROW) projects and programs. Currently, she directs team on both coasts of Florida, working directly with utilities on fast-paced acquisitions for long-term programs. She has Professional in Human Resources Certification (PHR) and is a member of the International Right-of-Way Association (IRWA)

19. RELEVANT PROJECTS			
(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED		
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)	
<b>I-66 Express Lane P3 Project (Fairfax &amp; Prince Williams Counties, VA)</b>	<b>2021</b>	<b>N/A</b>	
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE As project manager, led the ROW technician group providing right-of-way advisory services to Cintra US as a part of their preparation of the concessionaire proposal/bid for this 20-plus-mile project in northern Virginia. The project will provide managed toll lanes in both directions as well as make improvements to the overall transportation facilities. Cost: Various.	Check if project performed with current firm		
<b>Tampa Electric (TECO) - Storm Protection Program (Tampa, FL)</b>	<b>Ongoing</b>	<b>N/A</b>	
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Director of ROW team of over 20 professionals that provided right-of-way services for this Storm Protection Plan throughout Florida. The project involves undergrounding overhead lines and Bowman obtains easements to place the necessary equipment. Bowman provides all customer outreach and construction support. Cost: Various.	Check if project performed with current firm		
<b>Florida Power &amp; Light (FP&amp;L) - Storm Secure Undergrounding Program (East Coast, FL)</b>	<b>Ongoing</b>	<b>N/A</b>	
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Director of ROW team of over 60 professionals, responsible for the ramp up and execution of ROW Agents and surveyors to enable the relocation of overhead electrical distribution lines underground. Working with Pike Electric, Bowman managed the outreach and easement acquisition efforts on behalf of FP&L. Cost: Various.	Check if project performed with current firm		
<b>VDOT - Route 7 Improvements Design-Build (Loudoun County, VA)</b>	<b>2023</b>	<b>N/A</b>	
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Director of ROW technician team contracted with Shirley Contracting. The project included widening of Route 7 to six lanes and a shared-use path for approximately seven miles. Bowman provided appraisals, appraisal reviews, VDOT's RUMS data entry, negotiations, and relocation advisory services. Cost: \$1,292,346.	Check if project performed with current firm		
<b>Highway 78 Widening Project (Various Locations, SC)</b>	<b>2021</b>	<b>N/A</b>	
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager, responsible for valuation and acquisition efforts for multiple parcels for SouthPointe Phase 3 project. Cost: Various.	Check if project performed with current firm		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**  
(Complete on section E for each key person.)

<b>12. NAME</b>  <b>Charles Weise</b>	<b>13. ROLE IN THIS CONTRACT</b> <b>Director of Business Systems/GIS Analyst</b>	<b>14. YEARS EXPERIENCE</b>	
		a. TOTAL <b>18</b>	b. WITH CURRENT FIRM <b>7</b>
<b>15. FIRM NAME AND LOCATION (City and State)</b> <b>Bowman Consulting Group Ltd. (Tampa, FL)</b>			
<b>16. EDUCATION (DEGREE AND SPECIALIZATION)</b> M.B.A. Supply Chain & Operations Efficiency, University of Minnesota B.A. Business Integrations & Supply Chain, Metropolitan State University A.A. Advanced Mathematics & Economics, Century College		<b>17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)</b> <b>Licensed Real Estate Associate: Florida (#L3413058)</b>	
<b>18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)</b>			

**19. RELEVANT PROJECTS**

<b>(1) TITLE AND LOCATION (City and State)</b> <b>Tampa Electric Gate Stations (Tampa Bay Area, FL)</b>	<b>(2) YEAR COMPLETED</b>	
	PROFESSIONAL SERVICES <b>Ongoing</b>	CONSTRUCTION (If applicable) <b>n/a</b>
a. <b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> GIS Analyst. Provided GIS and data services on this SPP program. Bowman provided right-of-way services for this SPP program throughout Florida. The project involves undergrounding lines and managing natural resources by trimming trees. Bowman is working with TECO on the right-of-way needs for undergrounding the power lines.	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>(1) TITLE AND LOCATION (City and State)</b> <b>Florida Power &amp; Light (FL East Coast)</b>	<b>(2) YEAR COMPLETED</b>	
	PROFESSIONAL SERVICES <b>Ongoing</b>	CONSTRUCTION (If applicable) <b>n/a</b>
b. <b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> GIS Analyst. Provided support for the development of an objective focused, milestone-centric, database management system integrating multiple internal and external departmental processes and quality controls to optimize delivery time, communications, quality, and budget.	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>(1) TITLE AND LOCATION (City and State)</b> <b>Confidential Solar Acquisitions (VA, FL &amp; TX)</b>	<b>(2) YEAR COMPLETED</b>	
	PROFESSIONAL SERVICES <b>n/a</b>	CONSTRUCTION (If applicable) <b>n/a</b>
c. <b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> GIS Analyst. The project analyzed land for acquisition of solar farm leases. Datasets were provided to determine the most likely candidates with the highest probability for a successful acquisition. Communication and progress the lease acquisition agents make throughout the process were tracked in real time. This provided project managers and clients with updates about where each parcel was in the process.	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>(1) TITLE AND LOCATION (City and State)</b> <b>I-66 Express Lane P3 Project (Fairfax &amp; Prince William Counties, VA)</b>	<b>(2) YEAR COMPLETED</b>	
	PROFESSIONAL SERVICES <b>2019</b>	CONSTRUCTION (If applicable) <b>n/a</b>
d. <b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> GIS Analyst. Charles provided GIS & Data services to the team providing Right-of-way Advisory Services to Cintra US as a part of their preparation of the concessionaire proposal/bid for this 20+ mile project in Northern Virginia. The project will provide managed toll lanes in both directions as well as make improvements to the overall transportation facilities.	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>(1) TITLE AND LOCATION (City and State)</b> <b>SOO Line Railroad Company dba Canadian Pacific (Minneapolis, MN)</b>	<b>(2) YEAR COMPLETED</b>	
	PROFESSIONAL SERVICES <b>2010</b>	CONSTRUCTION (If applicable) <b>n/a</b>
e. <b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> GIS Analyst. Researched title records to support director, area managers, internal departments, and external entities. Re-negotiated utility related land transactions within seven-state region, resulting in annual revenue increase of 567%. Charles also managed 4 direct reports providing guidance to team of staff (8 leads) located in two US offices and four Canadian provinces towards full automation, retrieval, and analysis system consisting of contracts annually generating \$70M.	<input type="checkbox"/> Check if project performed with current firm	

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**  
(Complete on section E for each key person.)

12. NAME <b>Megan Dean</b>	13. ROLE IN THIS CONTRACT GIS Developer	14. YEARS EXPERIENCE	
		a. TOTAL 2.5	b. WITH CURRENT FIRM 1.25

15. FIRM NAME AND LOCATION (City and State)  
Bowman Consulting Group Ltd. (Stuart, FL)

16. EDUCATION (DEGREE AND SPECIALIZATION) Associate in Arts, Eastern Florida State College (with Certifications in GIS)	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
--	--

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)  
GIS professional with experience in managing and analyzing data through ArcGIS Pro and ArcGIS Online and is able to efficiently convert LiDAR point clouds into contour lines. Provides support to local projects while simultaneously coordinating with the corporate Bowman GIS team. She is skilled in processing and streamlining large quantities of data, and in transforming complicated maps and date points.

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION (City and State) <b>City of Cocoa Beach Pavement Maintenance Schedule (Cocoa Beach, FL)</b>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2022	CONSTRUCTION (If applicable) n/a
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE a. GIS Developer. The city requested a pavement maintenance schedule based on each street's Pavement Condition Index (PCI). Layers were created in ArcGIS Pro for use in the Field Maps Application which provides access to data collection & visualizations which reduced field technician's time. All recorded information is stored in a single point on the map in real-time, based on GPS location. Street treatment types, cost estimate reports, and maps were generated for the city's complete pavement maintenance schedule.		
<input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION (City and State) <b>Environmental Aviary Studies (Various Locations, TX)</b>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2022	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE b. GIS Developer. Developed an interactive map with mobile and desktop applications which allows users to track real-time data in the field. Technical support provided to ensure the Field Maps Application was working effectively, including regular updates and adjustments to streamline data collection. The automation significantly reduced time for the field technicians.		
<input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION (City and State) <b>Viable Sites for Renewable Energy (Virginia, Indiana &amp; Kentucky, US)</b>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2023	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE c. GIS Developer. Bowman was engaged to acquire viable land for solar panels. A geodatabase was designed with multiple layers, relationship classes, and tables to accommodate for the current and future state of the project. Once published to ArcGIS Online, web maps, applications, and dashboards are configured for internal and external consumption and interactive use. Constraints were used to reduce the number of applicable tax parcels for screening. A weighted linear combination method was used on rasters to calculate for environmental, municipal, and client constraints.		
<input checked="" type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE d.		
<input type="checkbox"/> Check if project performed with current firm		
(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE e.		
<input type="checkbox"/> Check if project performed with current firm		

# PROFESSIONAL LICENSURE

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

License No.: **LB8030**  
Expiration Date February 28, 2025

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

**BOWMAN CONSULTING GROUP, LTD., INC.**  
301 SE OCEAN BLVD, SUITE 301  
STUART, FL 34994

  
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.

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

License No.: **LS6841**  
Expiration Date February 28, 2025

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

**STEVEN N BRICKLEY**  
801 NE WHISTLING DUCK WAY  
PORT ST LUCIE, FL 34983-3538

  
WILTON SIMPSON  
COMMISSIONER OF AGRICULTURE

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

License No.: **LS7343**  
Expiration Date February 28, 2025

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

**MAX R GEORGE JR**  
2757 CANYON CREST DR  
LAKELAND, FL 33811-1015

  
WILTON SIMPSON  
COMMISSIONER OF AGRICULTURE

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

License No.: **LS5173**  
 Expiration Date February 28, 2025

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

**RICHARD ELLSWORTH BARNES JR**  
 13980 S E 38TH ST  
 OKEECHOBEE, FL 34974

WILTON SIMPSON  
 COMMISSIONER OF AGRICULTURE

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

License No.: **LS6899**  
 Expiration Date February 28, 2025

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

**ADAM C DAO**  
 4533 SW BABYLON ST  
 PORT ST LUCIE, FL 34953-6580

WILTON SIMPSON  
 COMMISSIONER OF AGRICULTURE

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

License No.: **LS7162**  
 Expiration Date February 28, 2025

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

**BRION D YANCY**  
 404 WILLOWS AVE  
 PORT SAINT LUCIE, FL 34952-1360

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.



**Tab 4 - Proficiency with Similar Services / Projects**

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER <b>1</b>
21. TITLE AND LOCATION <i>(City and State)</i> <b>Florida Department of Transportation (FDOT), District 4 Continuing Surveying Contracts (Various Locations, District 4, FL)</b>		22. YEAR COMPLETED PROFESSIONAL SERVICES 2020 - Ongoing CONSTRUCTION <i>(If applicable)</i> N/A
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER FDOT, District 4	b. POINT OF CONTACT NAME Jeffrey D. Smith, PSM	c. POINT OF CONTACT TELEPHONE NUMBER 954.777.4560
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>		
<p>Bowman provides survey and mapping, right-of-way and SUE services to the FDOT District 4 on several continuing services contract, both as prime and subconsultant. The scope of services for these district-wide contract includes right-of-way monumentation, right-of-way control surveys, genesis maps, right-of-way monumentation maps, project network control surveys, digital terrain models, terrestrial and mobile LiDAR, Low Altitude Mapping projects (LAMP), route surveys, wetland delineations, boundary surveys, topographic surveys, control structures, utilizing GPS RTK and EFB procedures; and subsurface utility engineering (SUE) services. Projects have been completed <b>on time and within budget</b>. Select project examples include:</p> <p><b>58th Avenue from 41st Street to CR-510   Indian River County, FL -</b> Provided survey services for this 5.5-mile design survey. The BLC and benchmark points from project network control sheets along the project were verified utilizing RTK-GPS surveying procedures and re-established where necessary. Horizontal control was established on the 27 aerial and 102 mobile LiDAR targets required. Vertical control was established through the 102 mobile LiDAR targets from a closed level run utilizing the Trimble DiNi digital level and the existing project network control. Cross-sections of the road pavement along CR-510 were taken to verify the mobile LiDAR obtained by ACA. A DTM/topographic survey was performed utilizing RTK-GPS and traditional surveying procedures. A drainage survey throughout the project was performed utilizing traditional surveying procedures by obtaining invert elevations and pipe information on all the drainage structures. Fees: \$119,824.</p> <p><b>Indian River Ditches Surveys   Indian River County, FL -</b> Provided surveying and mapping services on 11 drainage outfall ditches in Indian River Co. The scope included calculating a baseline for each ditch with stationing starting at 30+00.00. We staked the ditch baselines (or baseline offsets) every 100 ft for clearing, cross sections and environmental personnel, and set a minimum of two control points with xyz per ditch. We provided cross sections at 100-ft intervals from right-of-way to right-of-way, located encroachments and improvements (horizontal position only), and utilize the FPRN VRS Network for horizontal control xy positioning. Our surveyors also located wetland delineation flags, provided the mean high water line elevation at each ditch and/or Indian River intersection on the final survey. We provided a GPK and TIN model for each ditch, as well as 11 specific purpose surveys showing baselines, right-of-way lines, horizontal/vertical controls, monumentation, topography and improvements. Completed: 2017   Fees: Various.</p> <p><b>CR-714 Right-of-Way Establishment   Martin County, FL -</b> 1.74-mile right-of-way stakeout project, with services including: Verifying the right-of-way map and staking out the right-of-way for the project length on both sides of the right-of-way utilizing maps, per FDOT. Bowman checked the horizontal from known control and found monuments per the FDOT maps using GPS-RTK surveying procedures. Completed: 2014   Fees: \$33,110.</p>		
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT		
a.	(1) FIRM NAME Bowman Consulting Group Ltd.	(2) FIRM LOCATION <i>(City and State)</i> Stuart, FL (Lead) Tampa, FL (Support)
	(3) ROLE Surveying/SUE	

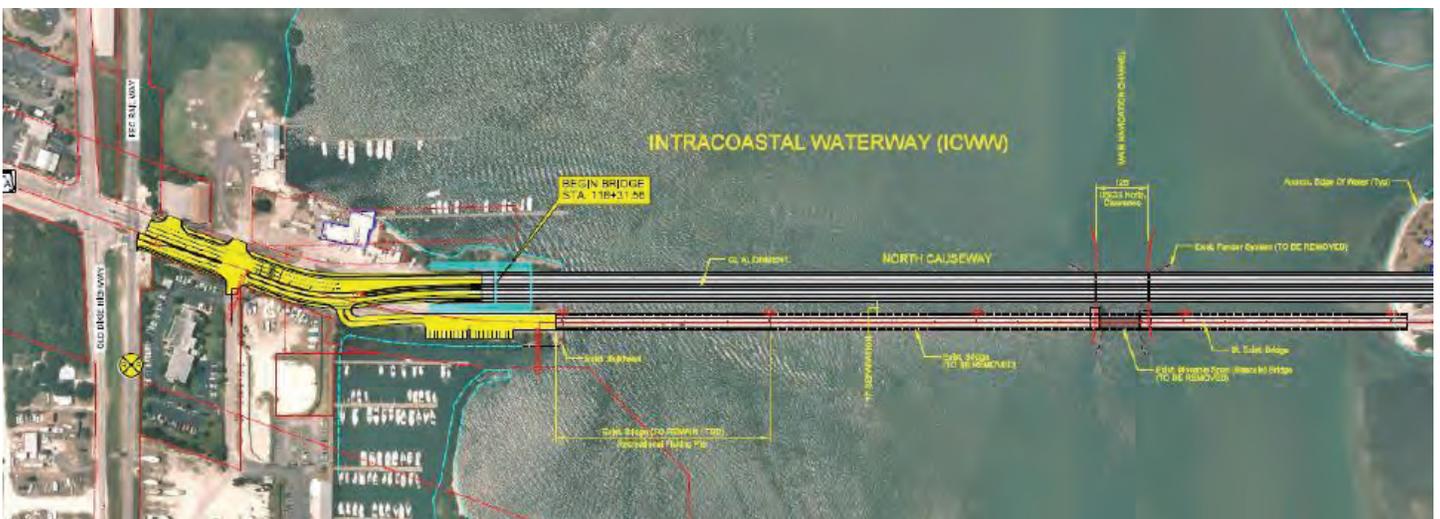


**Roosevelt Bridge Repairs | Stuart, FL** - Contracted by FDOT to monitor the underside of southbound US-1 in downtown Stuart before, during and after installation of temporary support gantry. Services included establishing project control, ongoing monitoring throughout the exploratory and construction phases of the project and numerous existing conditions surveys for design of detours on US-1 and Dixie Hwy. We utilized Trimble Robotic S-7 total stations and Leica HDS Laser Scanners to statistically analyze daily data. Establishing time of day values on all monitoring points was critical for comparison during different work efforts over the length of the project. Additionally, during construction, control points were established on the deck of span 1 southbound to aid the FDOT structural team in their modeling and assessment of bridge conditions. Completed: 2021 | Fees: \$101,188.

**Jensen Beach Causeway Control Survey | Martin County, FL** - This two-mile right-of-way control project located in Martin County, surveying services included setting control utilizing static GPS observations, developing the historic baseline alignment and existing right-of-way corridor with subdivision calculations, and development of a control survey. Completed: 2020 | Fees: \$111,874.

**PD&E SR-A1A North Bridge over ICWW Bridge Replacement | St. Lucie County, FL** - Surveying services on this one-mile design survey project and two and a half-mile control survey project included setting horizontal and vertical control; running a bench level circuit in the field and post processing in the office; locating improvements in the field, ground shots and cross sections along the road corridor; scanning the bridge utilizing the C10 scanner and preparing 3D models of the east and west ends of the bridge. Bowman merged survey data and hydrographic survey data to produce a digital terrain model of the roadway corridor and riverbed. The project also involved the development of an existing right-of-way corridor and baseline of survey, including subdivision calculations and approval of the baseline of survey for SR-A1A. Completed: 2018 | Fees: \$11,551.

**Sunrise Boulevard SUE Designation | Broward County, FL** - Provided designates and test holes from the southeast corner of SR-844 & SR A1A within the proposed easement. Provided ASCE 38-02 Quality Level B utility investigation to determine the horizontal location of existing utilities within the project area, including electromagnetic designating of traceable subsurface utility facilities from surface accessible features, and ground penetrating radar (GPR) sweep for non-traceable facilities. We also provided an ASCE 38-02 Quality Level A investigation of previously designated project area to determine the vertical location of existing utilities. This included maintenance of traffic, field work, and Microstation processing. Completed: 2019 | Fees: \$5,026.



F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 2
21. TITLE AND LOCATION <i>(City and State)</i> <b>South Florida Water Management District (SFWMD) Continuing Surveying &amp; Mapping Services</b>		22. YEAR COMPLETED PROFESSIONAL SERVICES 2014 - Ongoing CONSTRUCTION <i>(If applicable)</i> N/A
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER SFWMD	b. POINT OF CONTACT NAME Michael O'Brien, PSM, CFM	c. POINT OF CONTACT TELEPHONE NUMBER 561.682.6688
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>		
<p>Bowman has been awarded several continuing services surveying and mapping contracts with the South Florida Water Management District (SFWMD) and have completed many projects under those contracts, including boundary, topographic, right-of-way and hydrographic surveys; GIS services, UAS surveying, and photogrammetric/LiDAR surveys. Projects have been completed <b>on time and within budget</b>. Select project examples include:</p> <p><b>Okeechobee Field Station Aerial Survey   Okeechobee County, FL</b> - Used UAS surveying to obtain an updated aerial image of the entire project location and to make control adjustments for the final aerial product delivered with the survey. Completed: 2019   Fees: \$16,740.</p> <p><b>Fowler's Way / Canal 43 Boundary Survey   Lee County, FL</b> - Completed an 80-acre boundary survey along the SFWMD C-43 Canal for a proposed surplus land sale. Survey included locating all improvements, acquiring current aerial imagery with our eBee fixed wing drone and staking access easements. Completed: 2021   Fees: \$27,994.</p> <p><b>G-341 / Levees L13, L-14 &amp; L-15 Control Survey Improvements Project   Western Palm Beach County, FL</b> - Established and mapped the right-of-way of the SFWMD Levees L-13, L-14 and L-15, totaling approximately 38 miles. Included establishing and monumenting a survey baseline at 1/2-mile intervals, establishing the intersecting section lines, re-establishing lost section corners and filing certified corner records for all found and set section corners. The right-of-way lines were monumented at all intersecting section lines. Apparent physical uses along the right-of-ways were identified and detailed on the survey. Completed: 2020   Fees: \$623,440.</p> <p><b>Western Everglades Restoration Project UAS/LiDAR Topo Survey   Miami-Dade, Broward, Monroe &amp; Collier Counties, FL</b> - Collected topographic data along SFWMD Levee L-28, Tamiami Road and Canal, Loop Road and 11-Mile Road, totaling 60+ miles. Multi-beam sonar, mobile LiDAR and traditional ground surveys were utilized for the survey. The survey took place in Miami-Dade, Broward, Monroe and Collier Counties deep in the heart of the Everglades. Deliverables included a digital surface model combining the three different data sets and over 300 sheets of drafting. Completed: 2022   Fees: \$693,587.</p> <p><b>C-43 Reservoir Project UAS/LiDAR   Hendry County, FL</b> - Project included the use of UAS/LiDAR operations to collect and process approximately 3,000 acres of high accuracy, high density LiDAR data along portions of the proposed project site. The data was processed into surface models used by contractors for pre-bid earthwork calculations. We also provided various aerial images and fly-through videos of the site for their client. Completed: 2021   Fees: \$20,000.</p>		
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT		
a.	(1) FIRM NAME Bowman Consulting Group Ltd.	(2) FIRM LOCATION <i>(City and State)</i> Stuart, FL (Lead) Tampa, FL (Support)
		(3) ROLE Surveying/Geospatial



**Stormwater Treatment Area (STA) A2 - UAS/Photogrammetry/LiDAR Collection | Palm Beach County, FL** - Project included UAS flight operations for photogrammetry and LiDAR data collection of the project for the project’s earthworks contractor. Bowman utilized the high resolution UAS data to generate detailed surface models and volume calculations through the life cycle of the project. Project is ongoing.



**Vertical Datum Upgrade Project - Structure Information Verification (STRIVE) Project | Various Locations, FL** - This survey included establishing NAVD88 elevations and performing record surveys documenting the current geometry of 16 district water control structures. The project was associated with the district’s vertical datum upgrade project for transitioning from NGVD29 to NAVD88 vertical datum. The survey resulted in a 160-page all-inclusive surveyor’s report. Completed: 2017 | Fees: \$42,054.

**Lake Apopka Flow Way Topographic Survey | Apopka, FL** - Established elevations on a 300-ft grid within cells B-1, B-2 and C-2 of the Lake Apopka flow way marsh. The elevations were collected on the surface of the soft material and on solid material by pushing a rod until firm resistance was met. Bowman also defined the deep-water areas (short circuits) within the cells. The survey was completed to aid in the design of flow way improvements as a subconsultant to Kimley Horn. Completed: 2019 | Fees: \$72,455.

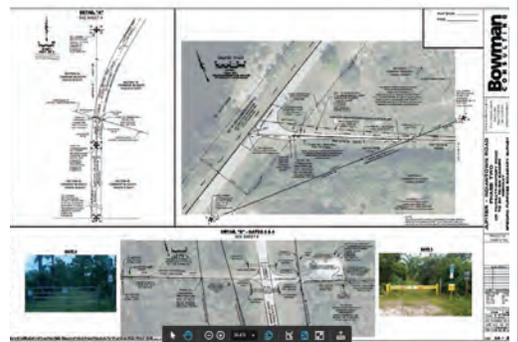
**C-18 Canal Right-of-Way/Boundary/Topographic Surveys | Palm Beach County, FL** - The project included a one-mile corridor right-of-way/boundary survey including recovering the original FCE monuments to establishing the USACE original baseline alignment, retracing the original government section corners, detailing conflicts between the Water Management deeds and the right-of-way established by the USACE baseline, locating all improvements from the top of bank of the C-18 canal to 10-ft outside the right-of-way, and setting poured in place SFWMD monuments at 500-ft intervals along the right-of-way lines. A surveyor’s report was prepared outlining the chain of title of existing water line easements along the easterly right-of-way line, which contained scrivener’s errors. The survey was performed utilizing RTK GPS, tied to the Florida State Plane Coordinate projection. Completed: 2014 | Fees: Various.

**S-140 Pump Station Surveying | Broward County, FL** - Bowman provided professional surveying services for the SFWMD S-140 pump station that included performing as-builts and construction layout work on-site. Completed: 2020 | Fees: \$10,000.

**G-15 North New River Flood Control Project | Broward County, FL** - The central and southern Florida flood control project includes a network of over 1,800 miles of canals and levees designed to manage and protect the water resources of the region. Bowman provided a boundary survey in accordance with Florida’s standards of practice and SFWMD requirements to establish a portion of the south right-of-way of G-15 (approximately 250 ft). This survey was requested as part of the operations and maintenance’s canal/levee maintenance program. Completed: 2017 | Fees: \$5,550.



<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 3
21. TITLE AND LOCATION <i>(City and State)</i> <b>Martin County Continuing Surveying &amp; Mapping Services</b>		22. YEAR COMPLETED PROFESSIONAL SERVICES 2014 - Ongoing CONSTRUCTION <i>(If applicable)</i> N/A
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER Martin County, Florida	b. POINT OF CONTACT NAME Tom Walker, PSM	c. POINT OF CONTACT TELEPHONE NUMBER 772.288.5928
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>		
<p>Bowman is currently performing general surveying services in support of Martin County projects. All projects have been provided on time and within budget. Example projects include:</p> <p><b>Bathtub Reef Beach Specific Purpose Aerial Survey</b> - Bowman performed a specific purpose survey at Bathtub Beach utilizing the Leica C10 camera. Challenges included obstructions from on-site construction equipment and water because its return was a void or a scattering of data points. Additional surveys were conducted utilizing the eBee Unmanned Aerial System (UAS) platform to document beach improvements. This survey resulted in high resolution digital imagery, a three-dimensional point cloud, ground contours and associated digital files. Completed: 2017   Fees: \$27,685.</p> <p><b>Martin County Vertical Control Densification Projects</b> - Completed 77 miles of levels, and establishing 141 new benchmarks for Martin County's vertical densification project. Field reconnaissance of each area took place to identify potential structures for placement of new benchmarks and also to locate existing monuments suitable for inclusion in the densification effort. Monuments by other agencies such as SFWMD and FDOT were located and incorporated where deemed sufficient by the client. Certified benchmarks were delivered in a compatible format to be published into the County's in-house GIS. The deliverables received minimal comments from the county's review process thanks to our internal QA/QC program which The QA/QC program is designed to maintain the highest of professional standards and at the same time save clients' time and money on their projects. Fees: Various.</p> <p><b>Bridge Road Resurfacing &amp; Bike Lakes Survey</b> - Performed surveying services to collect topographic data along Bridge Road over approximately 7.8 miles from US-1 to Pratt Whitney Road (CR-711) to aide in the design and construction of roadway improvements. Surveying services included establishing control along the project route, taking cross-sections, collecting topographic data at all driveways and intersections, locating visible improvements and utilities, establishing road ROW and tree location. Completed: 2020   Fees: \$88,940.</p> <p><b>Southwest Citrus Blvd / Martin County Fairgrounds Utility Extension Topographic Survey</b> - Performed a topographic survey along portions of SW Citrus Blvd., SW Osceola St., SW Trail Driver and SW 150th Street in the Village of Indiantown within the road right-of-ways for the design and construction of water and sewer lines along the route to service the new Martin County fairgrounds. The survey corridor was approximately 11,500 LF. The survey scope involved taking cross sections at 200-ft intervals, detailing all driveways and intersections, locating all visible signs of utilities and drainage features and establishing the road right-of-ways. Completed: 2023   Fees: \$40,105.</p> <p><b>Old Jupiter Grade Road</b> - This specific purpose survey of Jupiter Grade Road was performed in support of efforts to create an alignment for the centerline of the physical trail from the south line of Martin County to the western right-of-way line of CR-711/ Pratt-Whitney Road and continuing north and west to Kanner Highway. The survey was approximately 13.5 miles. Completed: 2019   Fees: \$5,430.</p>		
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT		
a. (1) FIRM NAME Bowman Consulting Group Ltd.	(2) FIRM LOCATION <i>(City and State)</i> Stuart, FL (Lead) Tampa, FL (Support)	(3) ROLE Surveying/Geospatial/SUE/ROW



**Southwood Neighborhood Drainage System Topographic Survey**

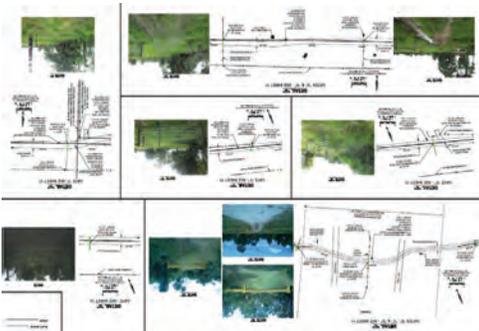
- Bowman provided a topographic survey of the existing drainage system and improvements within the rights-of-way located within the Southwood Subdivision to support drainage infrastructure improvements. The survey included establishing control, an as-built of the drainage system, location of improvements, an as-built of the sanitary system, plat control, and finish floor elevations. Completed: 2017 | Fees: \$29,130.

**Harbor Estates Neighborhood Topographic Survey** - Bowman completed

a topographic survey throughout Harbor Estates neighborhood and the surrounding areas. The survey covered approximately four miles and included cross sections at 100-ft intervals, establishing survey control, locating utilities and drainage structures and various other topographic features and resolving to right-of-way and resolving the right-of-way of 12 different roadways. Bowman completed a topographic along an approximate eight-mile stretch of Bridge Road. The survey included establishing control, cross sections at 200-ft intervals, resolving the road right-of-way, locating all utilities and drainage structures along with collecting miscellaneous topographic features. Completed: 2019 | Fees: \$48,590.

**Florista Drive Corridor SUE (Phases 2 & 3)** - Bowman provided SUE

services to Martin County which included designation of +/-3.5 miles along Florista Drive Utility Infrastructure investigation (ASCE Quality Level B) to identify the horizontal location of existing utilities within the project area which included electromagnetic designating of traceable subsurface utility facilities from surface accessible features, and Ground Penetrating Radar sweep for non-traceable facilities. We also provided +/-200 vertical verification locations of field investigation (ASCE Quality Level A) at proposed structure conflicts specified by authorized representative. Deliverables include test hole data sheets, digital pictures, approximate station or locations, offsets, type, size, material, direction and depth of utility. Completed: 2019 | Fees: \$17,100.



<p align="center"><b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b>  <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i></p>		<p>20. EXAMPLE PROJECT KEY NUMBER 4</p>		
<p>21. TITLE AND LOCATION <i>(City and State)</i> <b>Tampa Electric Company (TECO) Gate Station Sites (Tampa Bay Area, FL)</b></p>		<p>22. YEAR COMPLETED</p> <table border="1"> <tr> <td>PROFESSIONAL SERVICES 2016 - Ongoing</td> <td>CONSTRUCTION <i>(If applicable)</i> N/A</td> </tr> </table>	PROFESSIONAL SERVICES 2016 - Ongoing	CONSTRUCTION <i>(If applicable)</i> N/A
PROFESSIONAL SERVICES 2016 - Ongoing	CONSTRUCTION <i>(If applicable)</i> N/A			
<p align="center"><b>23. PROJECT OWNER'S INFORMATION</b></p>				
<p>a. PROJECT OWNER TECO</p>	<p>b. POINT OF CONTACT NAME William McNair</p>	<p>c. POINT OF CONTACT TELEPHONE NUMBER 813.228.4111</p>		
<p>24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i></p> <p>Tampa Electric (TECO) services the Tampa Bay area's electricity needs with 4,700 megawatts of generating capacity over 725,000 residential, commercial and industrial customers. Its West Central Florida service area covers 2,000 square miles.</p> <p>Bowman was contracted to scan sixteen gate stations throughout Florida. These sites are located in Bradford, Baker, Duval, Leon, Wakulla, Liberty, Bay, Jackson, Levy, Lafayette, Osceola, Orange and Lake Counties. Utilizing a Leica P20 Scanstation to perform the scans, Bowman is collecting data on the exterior of each gate station, including the collection of photo imagery. This task includes establishing a control network, scanning the gate station areas from multiple locations to obtain overlapping cloud data, registering the scans together using overlapping targets and importing known coordinates.</p> <p>The photo imagery will be integrated with the point cloud data to prepare a Leica TruView Environment. The TruView publishes point cloud data for web-based sharing and viewing, allowing access from anywhere to anyone granted access to the web link. Utilizing the TruView 360° digital imagery, users can view, zoom in, or pan over point clouds naturally and intuitively. Using simple "panoramic" or "bubble" viewer approach, High-Definition Survey™ point clouds are displayed on the computer screen, just as if the viewer were standing right where the laser scanner captured the scan data. Additionally, Bowman utilized the scan data captured to prepare an existing location survey and section views, showing the existing site features within each gate station. Section views for the existing aboveground pipe network was extracted from the scan data. The 3D point cloud information will be utilized to prepare the location survey and section views in a 2D AutoCAD Civil 3D drawing. Bowman also utilized the scan data obtained to prepare an existing 3D pipe model of the gate station. The existing above ground visible pipe network will be modeled in 3D. The 3D point cloud information will be utilized to prepare a pipe network in a three-dimensional AutoCAD Civil 3D drawing.</p>				
 				
<p align="center"><b>25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT</b></p>				
<p>a. (1) FIRM NAME Bowman Consulting Group Ltd.</p>	<p>(2) FIRM LOCATION <i>(City and State)</i> Tampa, FL (Lead) Stuart, FL (Support)</p>	<p>(3) ROLE Surveying/ROW Services</p>		

**F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT**  
*(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)*

20. EXAMPLE PROJECT KEY NUMBER

5

21. TITLE AND LOCATION (City and State)

22. YEAR COMPLETED

**CubSmart Force Main Extension & Upgrade Project (Pinellas County FL)**

PROFESSIONAL SERVICES  
2022

CONSTRUCTION (if applicable)  
N/A

**23. PROJECT OWNER'S INFORMATION**

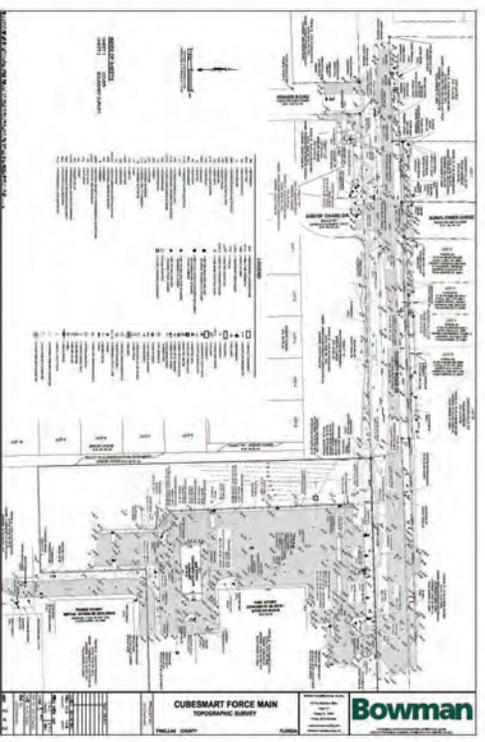
a. PROJECT OWNER  
Sunshine Water Services

b. POINT OF CONTACT NAME  
Shelby Hughes, PE (Kimley Horn, Client)

c. POINT OF CONTACT TELEPHONE NUMBER  
727.498.2585

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

Bowman provided topographic and right-of-way surveys to support the design and construction of an upgrade to a sanitary sewer force main. Specific survey tasks included retracement of county and state road right-of-way, retracement of property lines, establishing site horizontal and vertical control based on established benchmarks, research of ownership and right-of-way as well as as-built plans of record, mapping improvements within project limits, processing data and creating a three-dimensional .DWG format drawing, including a three-dimensional surface with contours. Subsequent tasks included creating easement sketches and description documents for the new sewer route. The force main extension was 2,000 LF. Cost: \$12,500.



**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a. Bowman Consulting Group Ltd.	Tampa, FL (Lead) Stuart, FL (Support)	Surveying/ROW Services

**G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS**

26. NAMES OF KEY PERSONNEL <i>(From Section E, Block 12)</i>	27. ROLE IN THIS CONTRACT <i>(From Section E, Block 13)</i>	28. EXAMPLE PROJECTS LISTED IN SECTION F <i>(Fill in "Example Projects Key" section below before completing table. Place "X" under project key number for participation in same or similar role)</i>									
		1	2	3	4	5	6	7	8	9	10
Steve Brickley, PSM	Principal-in-Charge	✓	✓	✓							
Max George, PSM	Project Manager				✓	✓					
Rick Barnes, Jr., PSM	Sr. Survey Manager		✓	✓							
Adam Dao, PSM	Sr. Project Surveyor	✓		✓							
Brion Yancy, PSM	Sr. Project Surveyor		✓	✓	✓						
Chris Mielke, PSM	Director of Aerial & Mobile Mapping										
Patsy Lawless	SUE Manager	✓		✓							
Katie Hudson	Director of ROW				✓	✓					
Megan Dean	GIS Developer										
Charles Weise	GIS Analysis				✓						

**29. EXAMPLE PROJECTS KEY**

NO.	TITLE OF EXAMPLE PROJECT <i>(From Section F)</i>	NO.	TITLE OF EXAMPLE PROJECT <i>(From Section F)</i>
1	FDOT District 4 Continuing Surveying	6	
2	SFWMD Continuing Surveying	7	
3	Martin County Continuing Surveying	8	
4	TECO Gate Sites	9	
5	CubeSmart Force Main Upgrade & Relocation	10	



## **Tab 5 - Project Control / Approach**

## Tab 5 - Project Control / Approach

### UNDERSTANDING OF SCOPE

We have reviewed the scope of services and fully understand the work to be performed through this surveying contract with the City of North Port.

#### Boundary Surveys

Boundary surveys are the foundation of our profession. We have extensive experience in right-of-way, urban residential, commercial and industrial and ALTA/NSPS surveys for small and large sites. We perform in excess of 50 ALTA surveys per year, and each requires research, locating existing rights-of-way and easements. Many involve creating sketches and legal descriptions for new easements or to resolve boundary issues. While the modern tools we utilize make the fieldwork more efficient, it is by applying the right tools to the specific job and then combining them with the existing evidence and historical records that we are able to successfully establish or re-establish a property boundary. Boundary surveys, more than any other aspect surveying, are truly an art and science - one cannot let flashy new technology override 100 years of practices and procedures! Bowman possesses the expertise to achieve the necessary balance between art and science.

#### Topographic Surveys

Most of our topographic surveys are a part of what we refer to as a “design survey”. These surveys combine the site boundary and right-of-way with easements of record and the topographic features needed for design or project planning. These typically include man-made improvements, wetlands, seasonal high water elevations, tree data/inventories, coastal control lines, FEMA flood zone information and other data specified by the design teams.

These topographic surveys require ties to established datums, both horizontally using a locally specified datum or a nationally-recognized datum, such as the Florida State Plane Coordinate System. The elevation must also be tied into NAVD 88 or NAVD 29 typically, which we rely on local benchmarks established by City, State (FDOT/SFWMD/FDEP) or federal (USACE/NGS/NOAA) surveys.

#### Control, Right-of-Way & Maintenance Mapping

Bowman has performed these types of surveys for FDOT, FDEP, SFWMD, TECO as well as several local Florida municipalities. These have included unique tasks such as revising municipalities over boundary and description. Crucial to successfully establishing or re-establishing an easement or right-of-way is conducting the research needed to guide field operations and then the analysis of

both the records and field data. Not only are Bowman’s survey teams able to conduct research, but we have a full team right-of-way professionals available to assist as well.

#### Legal Descriptions & Sketch

Legal description preparation is one of the most important functions of a surveyor. A poorly written legal description can cause problems that will follow a parcel of land for years. Bowman prepares over 1,500 legal descriptions per year for proposed utility easements. Our team routinely prepares descriptions and sketches for property acquisition, divisions, and combinations, as well as specific purposes such as submerged land leases and ingress/egress

#### Laser Scanning/Photogrammetry/LiDAR

Bowman has a full fleet of UAS drones capable of a variety of applications. For flying small photogrammetric projects, we use one of our small Parrot or DJI multicopter drones. This type of aircraft is ideal for that type of application and allows us to use “real time” high-resolution digital imagery as a background for our surveys. These aircraft also work very well when performing quantity surveys on vegetation free bare ground.

We use Pix4D software for pre-planning and processing the flights. For larger projects we use one of our fixed wing drones. We operate a Firefly and eBee equipped with RTK-GPS for these sites. For over two years, our team flew monthly UAS flights at the C-44 reservoir construction project to document the amount of material was being placed along the 9.5-mile embankment.

For project sites that are vegetated, we use our Freefly Systems Alta X with a Teledyne Optech CL-360 LiDAR sensor. This technology has been a game changer in our survey toolbox. We have used this aircraft to survey large and small acreages with heavy canopy with fantastic results. With all aerial platforms, establishing good ground control with strategically placed targets is paramount. Bowman field crews are also instructed to collect ground data for all the various surface conditions such as; hard surfaces, low vegetation, high vegetation and under tree canopies. This data is used for quality control purposes and to classify the data to various ground covers. Bowman employs the use of vehicle-based mobile LiDAR systems for surveying projects. These systems provide flexibility with how they can be mobilized - whether on a truck, UTV, boat or even train - while also providing the highest level of accuracy

possible. Our Teledyne Optech CL-360 LiDAR is light enough to be flown on a drone, but also meet the strict FDOT accuracy requirements when placed on a truck. Bowman recently used it on a truck to map 63 miles of roads and levees for SFWMD. Bowman's main mobile LiDAR system was custom-built and tested for our use by the manufacturer, LiDARUSA. The system employs the highest precision LiDAR sensor on the market, with the best gyro system available. It has successfully been used to map miles of US-1 in both Vero Beach and Sebastian.

### **Construction Layout Surveys**

Construction layout surveys can carry a high degree of liability. If a project is staked out and constructed incorrectly, the surveyor is often held responsible for a solution. This can be quite costly. Bowman takes every precaution to assure that calculations are correct when they leave the office and go to the field. Our team includes office and field staff that specialize in construction surveys. We also require the CAD construction plans prior to any construction job we perform. This helps to take out any ambiguity there may be with paper copies. We are selective as to the types of construction jobs we work on, making sure that our ability to service the project matches the need of the contractor.

### **Construction Support**

Our experienced team is fully able to handle the full spectrum of construction support. This includes items such as setting up projects in CADD for layout in the field, establishing site control for machine-controlled grading and excavating, as-built verification surveys, precision site monitoring, and the layout of buildings and utilities.

We are aware of how critical it is to keep in touch with the project on site leadership. That basic task has repeatedly shown itself to be the best way to stay informed, so that as conditions and plans change we can react in a timely manner to help keep the effort on schedule and on budget.

We also understand that construction requires flexibility as conditions on the site are constantly changing and evolving, based on factors that most times are beyond anyone's direct control. We recognize this fact and work with our clients to establish procedures and work flows that can provide the flexibility required.

### **PROJECT APPROACH**

Undoubtedly, any credible firm will feel that their project approach achieves results that bring value to their client, and that meet or exceed the provided project requirements. And while this may be true, with many approaches bringing some success, in today's interconnected and interdependent infrastructural environment, it simply may not be enough.

Bowman's approach is broader and considers much more than simply how to get a survey into a design team's hands. Rather than taking a price-focused approach, at Bowman we are concerned with value. We recognize that tax dollars must be leveraged as far as they can, as the demands on local governments have never been greater. Factors such as changing climate conditions, aging infrastructure, demands due to population booms and a challenging political landscape require highly agile and often unique strategies to address the infrastructure needs of a community.

**Communication and understanding is paramount when working with clients.** At Bowman, we seek to understand the complete problem set and how a particular project "fits" into that set. By doing so, we are able to better understand how the information we gather can be used for the immediate problem, as well as to help with other issues. Coordinating the setting of benchmarks so that they can aid in the next phase of project is an example, as is providing copies of research documents with file names compatible with a GIS database so that they can be easily and quickly added to the City GIS. While these are not "big" things, when many small things are brought together it does make a difference.

We will ask what the project goal is and ask ourselves what resources we have that can create the highest value survey products. We do this prior to a first project meeting so that we can be best prepared for the initial start-up meeting. At these meetings we will learn the scope of services needed, the schedule, the project constraints, administrative requirements (such as when and how invoices need to be submitted), what information should be shared with curious residents when they approach field staff and the key success factors for the project.

Next, we develop a project specific plan, and submit it to the proper staff for review and approval. Key parts of this project include the frequency and format for progress reports. We know that keeping City staff informed is crucial, as they must answer not only to elected officials but residents as well.

Once approved we execute the plan, gathering the required information safely and timely, processing it into the necessary formats, conducting the necessary quality checks and peer reviews, delivering draft deliverables for review and comment, and then submitting the final deliverables and completing project close out activities.

As this is for an "as needed" Professional Service contract it has some unique features, that lend itself to our overall approach. Upon being selected as a firm that is qualified to provide the surveying, Subsurface Utility Engineering (SUE), GIS and right-of-way services we would schedule a formal meeting with City staff to introduce the Bowman key leaders that will be assigned to projects. The intent is to set up lines of communication between Bowman and

the City that are robust, flexible and effective. When the City calls, Bowman will answer.

We will also conduct monthly check-ins with the City. These check-ins serve to update the City of any changes in our capabilities (such as hiring more field crews or a new piece of equipment with greater capabilities than existing equipment) and to keep an awareness of the City's activities. These monthly check-ins also allow us to share information that we have learned elsewhere, that might help the City. An example would be to discuss the specifics of our lead times to respond to a natural or man-made disaster.

In summary, we take a holistic approach to our projects. We believe that the days of "stove-piped" projects and solutions are a thing of the past. At Bowman, we do not seek to be merely a provider of services, rather a trusted advisor and partner to our client. We are confident that our approach— together with our highly qualified team of professionals and leading-edge equipment and technology—will bring the City of North Port highest value.

### **QA/QC**

The Bowman team has a QA/QC system in place for all of our projects to ensure the quality of work and documents prepared for each project assigned to us by the City.

Our QA/QC manager will be responsible for overseeing and managing our quality assurance system. This system ensures that the county's needs and requirements are met, and that a well thought out and cost-effective solution is produced. QA/QC is a continuous mindset that runs the course of the project and cannot be inserted intermittently or added at the end. Based on the scope of work, standards checklists will be tailored to exactly match the needs of each project, and for everyone involved with the project. Our field crews, survey technicians, licensed surveyors and project managers are each responsible for verifying that the work they supervise is in accordance with project requirements and standards of practice, and the county's statement of work. Through this system, we conduct kick-off meetings, perform QA/QC on field data and office computation, CAD drawings, and final QC and project closure meetings to keep the communication lines open and productive. The following highlights the general procedures of our system.

The right column highlights the general procedures of our system. Depending on the type of project, the system is customizable to ensure appropriate interim reviews and input from the county. Closure meetings to keep the communication lines open and productive.

### **SCOPING MEETING WITH CLIENT**

- Conduct initial site visit, determine scope and schedule
- Gain additional background information from the City
- Understand the City's goals and deliverable requirements
- Project manager to walk site
- Prepare proposal

### **INTERNAL KICK-OFF MEETING**

- Secure site access, all project staff attends
- Discuss overall project issues, solutions, and the City's expectations
- Ensure continuity of project from start to finish

### **PROJECT WORK BEGINS**

- Compile research from land records and others
- Prepare field package based on compiled data
- Kick-off meeting with field crew on site

### **PROJECT PROCESS**

- Field crew collects data in the field and forwards data to the project manager at the end of each day
- Project manager processes field data each morning; verifies that checks are being made in the field and coordinates with field crew
- Once the field work is completed, data is compiled, and drawings are produced

### **FINAL QC**

- Project manager to walk site and review survey and plats to ensure consistency
- Project manager, project surveyor and survey technician review survey drawings to ensure that scope of services was completed in accordance with the City's standards and specifications
- Ensure that Florida Statute 472 (Land Surveying and Mapping) and Florida Administrative Code FAC 5J-17.051/052 (Standards of Practice) are met
- Survey checklist completed, signed and dated by project manager
- Submitted to QA/QC lead for final review. Complimentary review copy delivered to the City

### **FINAL DELIVERABLES**

- Address/revise City's comments, if any
- Prepare final deliverable package for delivery to the county
- Project closure
- Meet with the City for debriefing
- Review project costs against budget
- Review major project issues, if any and discuss process improvements

## FACILITIES & RESOURCES

A fundamental aspect of Bowman’s business model is our resource sharing philosophy. With more than 1,800 employees and 70 offices nationwide, we have established a program that allows us to share staff, including field crews and office staff, based on project needs. This strategy allows us to pull the manpower necessary to handle larger projects on very short notice, and therefor enables us to complete each project within the designated schedule.

This contract will be led by Max George, PSM from our Tampa, Florida office. We have survey crew based in Tampa, who will be available for any projects under this contract. We will have additional support available from our Stuart, Florida, which serves as the “hub” of our Florida surveying department. We also have support staff available from our other 11 Florida offices as well as nationwide, if needed.

## TECHNOLOGY & EQUIPMENT

Bowman invests in the latest technology to ensure that our clients receive the highest quality service and exceptional value. In addition to the equipment listed below, all of which is utilized by our local Florida survey team.

GPS Equipment	Quantity
Trimble R12	6
Trimble R10	8
Trimble R8	3
Trimble TDL 450H External Radio	2
Trimble Zephyr Antenna	3
Airlink Raven Radio Modem	2

Total Stations/Robots	Quantity
Trimble S7 (Robotic)	3
Trimble S5 (Robotic)	2
Trimble M3 Total Station	1
Nikon NPL-322 Total Station	1

Data Collectors	Quantity
Trimble TSC7 Data Collector	7
Trimble TSC3 Data Collector	3
Panasonic Toughpad	1

Levels	Quantity
Trimble DiNi Digital Level	4
Leica NA3003 Digital Level	1
Topcon ATS Series Level	3
Wild NA2 Level	1
Nikon AS-2 Level	1

Mobile Lidar Systems	Quantity
LidarUSA Surveyor CL360	1
LidarUSA Highway Mapper Z	1
LidarUSA Surveyor 32	1

Terrestrial Laser Scanners	Quantity
Leica RTC360	1
Leica Scanstation P50	1
Leica Scanstation P20	1
Riegl VZ-400i	1

Unmanned Aerial Systems (UAS)	Quantity
Freefly Systems Alta X (Heavy-lift)	1
DJI M600 Pro (Heavy-lift)	2
Sensefly eBee X (fixed-wing)	2
Sensefly eBee Geo (fixed-wing)	1
FireFLY 6 Pro	1
Parrot Anafi USA (quadcopter)	1
Parrot Anafi Thermal (quadcopter)	1
DJI Inspire 2 (quadcopter)	1
DJI Phantom 4 Pro (quadcopter)	3

Miscellaneous Equipment	Quantity
16.5' Monark Boat, 25HP Johnson Out-board Motor	1
Jon Boat with 9.9HP Mercury Out-board Motor	1
12' Flatbottom Aluminum boat 1983/STR	1
Polaris 570 Side-by-Side ATV	1
GPS Base Station Mobile Trailer	1
FLIR Ladybug 5+ 360-camera	1
PhaseOne iXM-100 Camera	1
Parrot Sequoia+ Multispectral Camera	1
Sony A6000 Camera	1
Sony A7RIV Camera	1



## Tab 6 - References

## Tab 6 - References

<b>Client Name</b>	Martin County, Florida
Address	2401 SE Monterey Road, Stuart, FL 34996
Contact Person   Title	Tom Walker, PSM   County Surveyor
Phone   Fax	P: 772.288.5928   F: 772.288-5432
Email	twalker@martin.fl.us
Description of Work	Bowman is currently performing general surveying services in support of Martin County projects. The scope of services includes boundary surveys, topographic surveys, road layout and drainage surveys, horizontal and vertical control surveys, photogrammetry/LiDAR survey and preparation of legal descriptions.
Year Project(s) Completed	Ongoing
Engineer's OPCC	N/A
Final Construction Costs:	N/A

<b>Client Name</b>	Florida Department of Transportation (FDOT), District 4
Address	3400 W. Commercial Blvd, Fort Lauderdale, FL 33309
Contact Person   Title	Jeffrey D. Smith, PSM   District Surveyor & Mapper
Phone   Fax	P: 954.777.4560   F: 954.777.4528
Email	jeffrey.smith@dot.state.fl.us
Description of Work	Bowman is currently contracted by FDOT District 4 to provide district-wide right-of-way surveying and mapping, as well as several contracts as surveyor subconsultant. We also have continuing surveying and mapping contracts as a subconsultant to several firms. The scope of services for the contract includes right-of-way monumentation, right-of-way control surveys, genesis maps, right-of-way monumentation maps, right-of-way control surveys, digital terrain models, terrestrial and mobile LiDAR, Low Altitude Mapping Projects (LAMP), route surveys, wetland delineations, boundary surveys, topographic surveys, control structures, utilizing RTK and EFB procedures.
Year Project(s) Completed	Ongoing
Engineer's OPCC	N/A
Final Construction Costs:	N/A

<b>Client Name</b>	Southwest Florida Water Management District (SFWMD)
Address	3301 Gun Club Road, West Palm Beach, FL 33406
Contact Person   Title	Michael O'Brien, PSM, CFM   Administrator, Surveying & Mapping Section
Phone   Fax	P: 561.682.6688   F: 561.682.6200
Email	mobrien@sfwmd.gov
Description of Work	Bowman is performing boundary, topographic, right-of-way and hydrographic surveys for the South Florida Water Management District.
Year Project(s) Completed	Ongoing
Engineer's OPCC	N/A
Final Construction Costs:	N/A

## REFERENCES (Continued)

Client Name	Tampa Electric Company (TECO) Gate Station Sites
Address	702 N. Franklin Street, Tampa, FL 33602
Contact Person   Title	William McNair   Division Supervisor
Phone   Fax	P: 813.228.4111   F: 813.228.4140
Email	wjmcnair@tecoenergy.com
Description of Work	Bowman was contracted to scan sixteen gate stations throughout Florida. These sites are located in Bradford, Baker, Duval, Leon, Wakulla, Liberty, Bay, Jackson, Levy, Lafayette, Osceola, Orange and Lake Counties. Utilizing a Leica P20 Scanstation to perform the scans, Bowman is collecting data on the exterior of each gate station, including the collection of photo imagery. This task includes establishing a control network, scanning the gate station areas from multiple locations to obtain overlapping cloud data, registering the scans together using overlapping targets and importing known coordinates.
Year Project(s) Completed	N/A - Ongoing.
Engineer's OPCC	N/A
Final Construction Costs:	N/A

Client Name	City of Stuart, Florida
Address	121 SW Flagler Avenue, Stuart, FL 34994
Contact Person   Title	Tim Voelker, PE   Utilities & Engineering Director
Phone   Fax	P: 772.288.5332   F: 772.288.5303
Email	tvoelker@ci.stuart.fl.us
Description of Work	Bowman has been a regular provider of surveying services to the City of Stuart for several years. Surveying services include boundary surveys, topographic surveys, utility surveys, as-built surveys and preparation of legal descriptions.
Year Project(s) Completed	Ongoing
Engineer's OPCC	N/A
Final Construction Costs:	N/A

“Martin County has worked with Bowman on various projects under a continuing services contract for surveying and mapping for over a decade. This ongoing relationship has been beneficial to the County and is a testament to Bowman’s commitment to providing quality results through their professional and technical expertise. We have successfully collaborated on many complex and demanding projects.

With their unique balance of resources and services, the knowledge and experience of Bowman’s staff enables them to respond professionally and expeditiously while meeting the challenging demands of Martin County.

Bowman comes highly recommended by the Martin County, as professionals in survey and mapping and overall project management.”

- Michael O’Brien, PSM, County Surveyor | MARTIN COUNTY BOARD OF COMMISSIONERS

**ATTACHMENT 4 - REFERENCES/CLIENT LISTING**

The firm shall provide a minimum of five (5) business related references for which they are currently providing, or have provided within the last five (5) years, services similar to the scope of services required by this RFP. A minimum of five (5) years' experience in projects of similar scope and size is required. Attach additional sheets if necessary.

1. Business/Customer Name: Martin County, FL  
 Name of Contact Person/Title: Tom Walker, PSM | County Surveyor  
 Telephone# 772.288.5928 Fax 772.288.5432 E-mail twalker@martin.fl.us  
 Address 2401 SE Monterey Road, Stuart, FL 34996  
 Duration of Contract or business relationship (include project completion date) 2014 - Present  
 Type of Services Provided Continuing Surveying Services Total Cost N/A (Various projects)
  
2. Business/Customer Name: Florida Department of Transportation (FDOT), District 4  
 Name of Contact Person/Title: Jeffrey D. Smith, PSM | District Surveyor & Mapper  
 Telephone# 954.777.4560 Fax 954.777.4528 E-mail jeffrey.smith@dot.state.fl.us  
 Address 3400 W. Commercial Blvd, Fort Lauderdale, FL 33309  
 Duration of Contract or business relationship (include project completion date) 2014 - Present  
 Type of Services Provided Continuing ROW/Surveying/SUE Total Cost N/A (Various projects)
  
3. Business/Customer Name: South Florida Water Management District (SFWMD)  
 Name of Contact Person/Title: Michael O'Brien, PSM, CFM | Administrator, Surveying & Mapping Section  
 Telephone# 561.682.6688 Fax 561.682.6200 E-mail mobrien@sfwmd.gov  
 Address 3301 Gun Club Road, West Palm Beach, FL 33406  
 Duration of Contract or business relationship (include project completion date) 2016 - Present  
 Type of Services Provided Continuing Surveying Services Total Cost N/A (Various)

COMPANY NAME: Bowman Consulting Group Ltd.

SIGNATURE: *Max George*

**THIS PAGE MUST BE SUBMITTED WITH PROPOSAL**

4. Business/Customer Name: Tampa Electric Company (TECO)

Name of Contact Person/Title: William McNair | Division Supervisor

Telephone# 813.228.4111 Fax 813.228.4140 E-mail wjmcnair@tecoenergy.com

Address 702 N. Franklin Street, Tampa, FL 33602

Duration of Contract or business relationship (include project completion date) 2016 - Ongoing

Type of Services Provided Surveying/ROW/GIS/SUE Total Cost N/A (Various)

5. Business/Customer Name: City of Stuart, Florida

Name of Contact Person/Title: Tim Voelker, PE | Utilities & Engineering Director

Telephone# 772.288.5332 Fax 772.288.5303 E-mail tvoelker@ci.stuart.fl.us

Address 121 SW Flagler Avenue, Stuart, FL 34994

Duration of Contract or business relationship (include project completion date) 2015 - Present

Type of Services Provided Surveying Services Total Cost N/A (Various)

COMPANY NAME: Bowman Consulting Group Ltd.

SIGNATURE: *Max George*

**THIS PAGE MUST BE SUBMITTED WITH PROPOSAL**



## **Tab 7 - Litigation & Insurance**

# Tab 7 - Litigation & Insurance

## CLAIM & LITIGATION MATTERS

From time to time, Bowman Consulting Group Ltd. (Bowman) is subject to various legal proceedings that arise in the normal course of our business activities. The following is a list of all proceedings against the Company during the past five (5) years, none of which we deem to be material or which have any impact on the performance of the services to be rendered to our clients.

- a. Killkenny, Maureen v. Township of Abington, et al (2023). Suit filed in the Court of Common Pleas of Philadelphia County, Pennsylvania. Company is one of ten defendants in a civil suit alleging construction, design, and maintenance defects which resulted in personal injuries to Plaintiff. Case is pending and Company is vigorously defending.
- b. JBG Smith Properties et al v. Bowman Consulting, et al. (2023). Suit filed in the Circuit Court of Arlington County, Virginia. The Company is a third-party defendant in a civil suit alleging construction and design defects which resulted in personal injuries to Plaintiff. The case is pending and the Company is vigorously defending.
- c. Walton Global Investments v. Bowman Consulting Group (2023). Suit filed in the United States District Court for the Eastern District of Virginia-Richmond Division alleging defects in a due diligence report. The case is pending and the Company is vigorously defending.
- d. JE Dunn Construction Company v. Bowman Consulting Group (2022). Suit filed in District Court, Denver County, Colorado alleging design errors and defects. The case is pending and the Company is vigorously defending.
- e. Theadora Detullio v. Village Super Market of NJ, L.P. d/b/a Shoprite of Old Bridge (2021). Civil Action filed in the Superior Court of New Jersey, Middlesex County Law Division. Case dismissed with no admission of wrongdoing.
- f. Douglas N. Krening and Hannah J. Krening v. Jonathan Coppin and Elemental Homes (2021). The Company is a third-party defendant in a civil suit filed in District Court, Douglas County, Colorado alleging construction and design defects. Case settled prior to trial without admission of fault or truth of allegations made.
- g. Hancock Builders LLC v. Alpha Geotechnical Materials LLC. Et. al (2021). The Company is one of many defendants in a civil suit filed in the Superior Court of Maricopa County, Arizona alleging construction and design defects. Case is still pending, and the Company is vigorously defending.
- h. Henley on the Hudson Condominium Association, Inc. vs. LR Port Imperial South BB, LLC, et. al. (2019). One of 105 defendants named in civil action filed in the Superior Court of New Jersey, Hudson County. Case is still pending, and the Company is vigorously defending.
- i. RIS Construction v. Fox Architectural Design, Bowman Consulting Group, Ltd. et. al. (2019). Civil Action filed in the Superior Court of New Jersey, Bergen County Law Division. Case settled with no admission of wrongdoing or truth of allegations.
- j. July v. Ratkovich, Bowman Consulting Group, Ltd., et. al. (2019). One of several parties to a personal injury complaint from auto accident filed in the Superior Court for the State of Arizona. Case settled and dismissed with no admission of wrongdoing.

## INSURANCE

Our insurance coverage is shown in the Certificate of Insurance (COI) on the following page.



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

08/26/2022

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> Klein Agency, LLC P.O. Box 219  Timonium MD 21094		<b>CONTACT NAME:</b> Certificates <b>PHONE (A/C, No, Ext):</b> (410)832-7600 <b>FAX (A/C, No):</b> (410)832-1849 <b>E-MAIL ADDRESS:</b> certs@kleinagencyllc.com	
		<b>INSURER(S) AFFORDING COVERAGE</b>	
		<b>INSURER A:</b> Charter Oak Fire Insurance Co	<b>NAIC #</b> 25615
		<b>INSURER B:</b> Travelers Property Casualty Co. of America	25674
		<b>INSURER C:</b> Berkley Insurance Company	32603
		<b>INSURER D:</b> Beazley Insurance Company	37540
		<b>INSURER E:</b>	
		<b>INSURER F:</b>	
<b>INSURED</b> Bowman Consulting Group Ltd. 12355 Sunrise Valley Drive, Suite 520 Reston VA 20191			

**COVERAGES**

CERTIFICATE NUMBER: 22-23 All

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY			6306J047645	08/31/2022	08/31/2023	EACH OCCURRENCE	\$ 1,000,000
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 1,000,000
	<input checked="" type="checkbox"/> Contractual Liability						MED EXP (Any one person)	\$ 10,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						PERSONAL & ADV INJURY	\$ 1,000,000
	<input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC						GENERAL AGGREGATE	\$ 2,000,000
	OTHER:						PRODUCTS - COMP/OP AGG	\$ 2,000,000
								\$
B	<b>AUTOMOBILE LIABILITY</b>			8108T020319	08/31/2022	08/31/2023	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,000
	<input checked="" type="checkbox"/> ANY AUTO						BODILY INJURY (Per person)	\$
	<input type="checkbox"/> OWNED AUTOS ONLY	<input type="checkbox"/> SCHEDULED AUTOS					BODILY INJURY (Per accident)	\$
	<input type="checkbox"/> HIRED AUTOS ONLY	<input type="checkbox"/> NON-OWNED AUTOS ONLY					PROPERTY DAMAGE (Per accident)	\$
								\$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB			CUP6J395074 (Follows Form)	08/31/2022	08/31/2023	EACH OCCURRENCE	\$ 25,000,000
	<input checked="" type="checkbox"/> EXCESS LIAB	<input checked="" type="checkbox"/> OCCUR					AGGREGATE	\$ 25,000,000
	<input type="checkbox"/> CLAIMS-MADE							\$
	DED	RETENTION \$						\$
B	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b>			UB6J317115	08/31/2022	08/31/2023	<input checked="" type="checkbox"/> PER STATUTE	OTH-ER
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	Y / N					E.L. EACH ACCIDENT	\$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below	N	N/A				E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	\$ 1,000,000
C/D	Primary Professional Liability / Excess Professional Liability			AEC905795802/V3349C220101	08/31/2022	08/31/2023	Each Claim/Aggregate	5,000,000
							Excess Each Claim/Aggr.	5,000,000
							Total Limits:	10,000,000

**DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)**

If required by an insured written contract, executed prior to any loss, the certificate holder is an Additional Insured on a primary and non-contributory basis under the General and Auto Liability Policies. If required by an insured written contract, executed prior to any loss, Waiver of Subrogation is provided for General, Auto, and Workers Compensation Policies. Umbrella Policy follows form over General, Auto, and Employer's Liability Policies. 30 day notice of cancellation, 10 day for non-payment.

**CERTIFICATE HOLDER****CANCELLATION**

\*Evidence of Coverage\*

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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## **Tab 8 - Additional Information**

**H. ADDITIONAL INFORMATION**

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

Additional services offered by our Bowman team include:

**HYDROGRAPHIC/BATHYMETRIC SURVEYS**

Hydrographic surveys can take on many forms on different bodies of water from coastal waters, large lakes, ponds, canals and ditches. Bowman has the experience and expertise to leverage the right technology to achieve the desired level of accuracy and precision for any sized project. We have the ability to apply the basic GPS and Total Station technology with a surveyor wading, a remote controlled Unmanned Aircraft System (UAS) (drone), boat with sonar, a small personal water craft taking soundings and/or a fully dedicated survey vessel with side scan and multiple beam sonars. We have performed hundreds of miles of hydrographic surveys, including basic bathymetric surveys and pre- and post-dredging surveys.

**SUBSURFACE UTILITY SURVEYING (SUE)**

Bowman has a fully staffed and equipped subsurface utility engineering (SUE) section that works closely with our survey team. The SUE team lead participates in all of Bowman’s local and statewide survey coordination meetings, and is well informed on all of our SUE efforts.

Our SUE team is capable of designating all types of underground utilities at any of the ASCE quality levels . We are able to accomplish ‘Level B’ (horizontal location) using ground penetrating radar (GPR) and electromagnetic equipment. For quality Level ‘A’ (horizontal and vertical/depth), we utilize a vacuum excavating truck to perform soft digs (test holes).

Bowman routinely are conducts these investigations in support of private and public projects, with findings incorporated into other design products. We also provides stand-alone reports and sketches as needed.

Our team not only locate utilities. In 2020, for instance, we were tasked with locating burial sites in two Florida cemeteries, one of which had very few grave markers and had been abandoned for several years. Our crews we able to locate over 500 unmarked graves. This project was a cooperative effort between Martin County, the Gomez Pioneer Cemetery Preservation Committee and Florida Atlantic University.



**I. AUTHORIZED REPRESENTATIVE**

*The foregoing is a statement of facts.*

31. SIGNATURE

*Max George*

32. DATE

08/09/2023

33. NAME AND TITLE

Max George, PSM | PM/Director of Surveying

## CADD & GIS SERVICES

Bowman has the ability to provide the full spectrum of digital information to clients in a wide array of formats. For our Computer Aided Drafting (CADD), we use Bentley (MicroStation) Open Roads, Autodesk Civil 3D and ESRI ArcGIS. We have a multitude of other platforms that we use for processing and creating products with aerial imagery, LiDAR (3D laser scanning), Autodesk REVIT for architectural modeling and hydrographic/bathymetric sonar data. Regardless of the project requirements or native data source Bowman is able to use the data to create the project deliverable.

Bowman acknowledges that in order to be of value, data must be correct and in a format that is usable. Our world is far more complex than it was just a few short years ago, demanding changes in how we collect and process data. We constantly challenge ourselves with the question – who else can use this information and how?

For instance, we can extract from our collected field data the horizontal and vertical information as well as attributes for utilities. This information can be put into a CADD drawing for a specific project as well as put into a utility GIS layer to improve asset inventories and management. This kind of constructive collaboration is what we offer to our clients, and we can do so because we have the knowledge, skills and abilities as well as the tools to do so.

The Bowman team includes full-time GIS technicians who are available to aid with specific projects. However, all of our disciplines utilize GIS platforms routinely as part of ordinary project workflows.

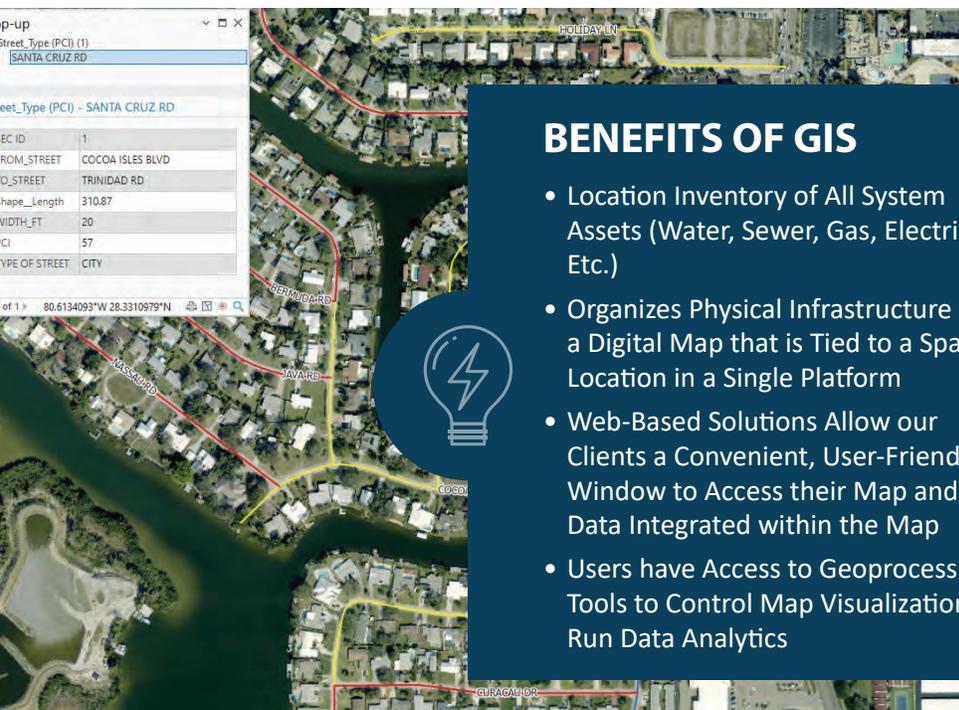
Examples of GIS projects we have done include municipal asset management programs and pavement maintenance programs

Our team can use other software to provide things like stake-out reports, or cut/fill sheets to support construction, in addition to standard CADD products.

Typically, at our first project start up meeting we will coordinate the CADD/GIS requirements, specifically to make sure we are using the CADD/GIS standards (e.g., line types, symbols, layers, point codes, title blocks, attributes, etc.) preferred by the client.

## RIGHT-OF-WAY & LAND SERVICES

Bowman has a dedicated right-of-way team that operates from our Tampa office servicing various local clients. They are available to assist the City on anything from small easements for items like signs to assistance with acquisition as part of eminent domain actions, and everything in between.



## BENEFITS OF GIS

- Location Inventory of All System Assets (Water, Sewer, Gas, Electric, Etc.)
- Organizes Physical Infrastructure in a Digital Map that is Tied to a Spatial Location in a Single Platform
- Web-Based Solutions Allow our Clients a Convenient, User-Friendly Window to Access their Map and the Data Integrated within the Map
- Users have Access to Geoprocessing Tools to Control Map Visualization & Run Data Analytics
- Eliminates Labor-Intensive Sorting through Hard Copy Records and Drawing Files & Correlating Information to Pins on a Map
- Users Can Quickly Filter Diverse Data Sources and Query Thousands of Data Inputs with Built-In Tools
- Increases Efficiency for Turnaround of Disseminating Updated Asset Information
- Scalable & Portable



## Tab 9 - Required Forms

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**REQUIREMENTS AND METHOD OF SUBMITTAL**

**TAB 9 - CITY REQUIRED FORMS** – This checklist is provided to assist each Proposer in the preparation of their response. Included in this *checklist* are important requirements, which is the responsibility of each Proposer to submit with their response in order to make their response fully compliant. It is the responsibility of each Proposer to read and comply with the solicitation in its entirety.

**A. REQUIRED SUBMITTAL FORMS:** Provide fully executed forms.

- ATTACHMENT 1: Proposal Submittal Signature Form**
- ATTACHMENT 1.1: General Insurance**
- ATTACHMENT 1.2: Professional Liability Insurance**
- ATTACHMENT 2: Statement of Organization**
- ATTACHMENT 2.2: Indemnification**
- ATTACHMENT 3: FEMA Clauses**
- ATTACHMENT 4: References – Consultant is ensure references are current and will respond to inquiries.**
- ATTACHMENT 5: Lobbying Certification**
- ATTACHMENT 6: Non Collusive Affidavit**
- ATTACHMENT 7: Conflict of Interest**
- ATTACHMENT 8: Public Entity Crime**
- ATTACHMENT 9: Drug Free Workplace**
- ATTACHMENT 10: Disclosure Form (Consultant/Engineer/Architect)**
- ATTACHMENT 11: Scrutinized Business Certification**
- ATTACHMENT 12: E-verify**
- ATTACHMENT 13: Certification Regarding Lobbying – Federal**
- ATTACHMENT 14: N/A**
- ATTACHMENT 15: Certification Regarding Debarment, Suspension, and other Responsibility Matters**
- ATTACHMENT 16: Contract Changes**
- ATTACHMENT 17: Sanctions**
- ATTACHMENT 18: Termination Clauses**

**SAMPLE INSURANCE CERTIFICATE:** Demonstrate your firm’s ability to comply with insurance requirements. Provide a previous certificate or other evidence listing the Insurance Companies names for both Professional Liability and General Liability and the dollar amounts of the coverage.

**DBE/MBE/WBE/VBE:** If claiming either Minority Business Enterprise/Women Business Enterprises/Veteran Business Enterprise, the Prime Firm (not sub-consultant) **shall be** certified as a Minority Business Enterprise by the State of Florida, Department of Management Services, Office of Supplier Diversity pursuant to Section 287.0943, Florida Statutes.

**YES, CLAIMING STATUS AS PRIME ONLY**

**YES, I’VE ATTACHED THE CERTIFICATE OF MBE/WBE STATUS FROM THE STATE OF FLORIDA AS OUTLINED SECTION 1.**

**NOT CLAIMING DBE/MBE/WBE /VBE**

PLEASE INITIAL AND RETURN WITH YOUR PROPOSAL. MG  
INITIALS

**THIS PAGE MUST BE COMPLETED AND SUBMITTED WITH PROPOSAL.**

**B. METHOD OF SUBMITTAL:**

1. **NUMBER OF SUBMITTAL PACKAGES:** One (1) original hard-copy **UNBOUND** (marked “**ORIGINAL**”) and signed in blue ink. **NUMBER OF COPIES:** three (3) hard copies **BOUND** (marked “**COPY**”).  
**(1 original + 3 copies = 4 total submittals).**
2. **NUMBER OF PAGES:** The proposal **shall not exceed** twenty -two (**22**) one-sided pages or eleven (**11**) double-sided pages in length. **(The Title Page, City Required Forms, 330 Form, resumes and tabs do not count towards the TOTAL NUMBER OF PAGES).**
  - 2.1 When compiling a response, sections should be tabbed and labeled; pages should be sequentially numbered at the bottom of the page; proposals should be bound to allow flat stacking for easy storage; **do not use three ring binders of any kind**; and sections should be compiled in the sequence list above.
  - 2.2 Place proposal with all the required items in a sealed envelope clearly marked for specification number, project name, name of proposer, and due date and time.
3. **PAPER/FONT SIZE:** Letter size 8.5”x11”/Font Calibri 11, PDF FORMAT.
4. **USB FLASH DRIVE:** One (1) electronic version in Portable Document Format (PDF) **on a USB Drive only** containing the entire submittal. **CDs will not be accepted.**
5. **SUBMIT SEALED PROPOSAL PACKAGE WITH THE FOLLOWING INFORMATION CLEARLY MARKED ON THE OUTSIDE PACKAGING (FedEx, UPS, USPS, etc.): “RFP NO. 2023-38 PROFESSIONAL SURVEYING SERVICES – CONTINUING SERVICES CONTRACTS FOR CITY OF NORTH PORT”** to the address below:

**ATTACHMENT 1  
PROPOSAL SUBMITTAL SIGNATURE FORM**

The undersigned attests to his/her authority to submit this proposal and to bind the firm herein named to perform as per Agreement if the firm is awarded the Agreement by the City.

The undersigned further certifies that he/she has read the Request for Proposal, Terms and Conditions, Insurance Requirements and any other documentation relating to this request and this proposal is submitted with full knowledge and understanding of the requirements and time constraints noted herein.

As addenda are considered binding as if contained in the original specifications, it is critical that the firm acknowledge receipt of same. The submittal may be considered void if receipt of an addendum is not acknowledged.

Addendum No. 1 Dated 7/19/23 Addendum No. \_\_\_\_\_ Dated \_\_\_\_\_  
 Addendum No. 2 Dated 7/21/23 Addendum No. \_\_\_\_\_ Dated \_\_\_\_\_  
 Addendum No. \_\_\_\_\_ Dated \_\_\_\_\_ Addendum No. \_\_\_\_\_ Dated \_\_\_\_\_

**Company Name** Bowman Consulting Group Ltd.

813-474-7424 mgeorge@bowman.com 321-255-7751  
**Telephone # E-Mail Fax #**

12355 Sunrise Valley Drive, Suite 520  
**Main Office Address**

Reston VA 20191  
**City State Zip Code**

**Address of Office Servicing City of North Port, if different than above:**  SAME AS ABOVE

5404 Cypress Center Blvd, Suite 140  
**Office Address**

Tampa FL 33609  
**City State Zip Code**

813-474-7424 mgeorge@bowman.com 321-255-7751  
**Telephone # E-mail Fax #**

Max George, PSM, Director of Surveying

**Name & Title of Firm Representative** 07/31/2023  
Max George  
**Signature Date**

Do you accept Visa?  YES  NO

**THIS PAGE MUST BE SUBMITTED WITH PROPOSAL**

**ATTACHMENT 1.2**  
**PROFESSIONAL LIABILITY INSURANCE**

The Consultant must procure and maintain, and require all subconsultants to procure and maintain, during the life of this Contract, professional liability insurance with a minimum \$1,000,000 per occurrence; and with a \$1,000,000 policy term general aggregate. Coverage shall be extended beyond the policy year term either by a supplemental extended reporting period (ERP) with as great of duration as available, with no less coverage and reinstated aggregate limits, or by requiring that any new policy provide a retroactive date no later than the inception date of claims made. The City prefers all professional liability insurance be written on an Occurrence Form; however, in the event that the professional liability insurance required by this Contract is written on a claims-made basis, the Consultant warrants that any retroactive date under the policy shall precede the effective date of this Contract; and that either continuous coverage will be maintained for a period of two (2) years or an extended reporting period (ERP) with tail coverage will be obtained and maintained for a period of two (2) years beginning at the time work under this Contract is completed.

**UNLESS THE PARTIES HAVE AGREED TO AN OPT-OUT PURSUANT TO FLORIDA STATUTES SECTION 558.005(1), AN EMPLOYED DESIGN PROFESSIONAL, OR AN AGENT OF THE CONSULTANT IS NOT INDIVIDUALLY LIABLE FOR NEGLIGENCE ARISING OUT OF THE COURSE AND SCOPE OF THIS CONTRACT FOR ECONOMIC DAMAGES SO LONG AS THE CONSULTANT MAINTAINS THE LIMITS OF PROFESSIONAL LIABILITY INSURANCE AS PROVIDED IN THIS ATTACHMENT.**

**THIS PAGE MUST BE SUBMITTED WITH PROPOSAL**



**ATTACHMENT 2  
STATEMENT OF ORGANIZATION  
(Information Sheet for Transactions and Conveyances Corporation Identification)**

The following information will be provided to the City of North Port for incorporation in legal documents. It is, therefore, vital all information is accurate and complete. Please be certain all spelling, and capitalization is exactly as registered with the state or federal government.

**Name of Respondent:** Bowman Consulting Group Ltd.

**DBA (if any):** \_\_\_\_\_

**Type of Entity** (Sole Proprietor, Corporation, LLC, LLP, Partnership, etc): Corporation/C-Corp

**Business Address:** 5404 Cypress Center Blvd, Suite 140, Tampa FL 33609

**Phone:** 813-474-7424 **Fax:** 321-255-7751

**E-Mail** mgeorge@bowman.com

**Print Name and Title of person authorized to bind:** Max George, PSM, Director of Surveying

**Federal Identification Number:** 54-1762351

**Signature:** *Max George*

Respondent shall submit proof that it is authorized to do business in the State of Florida unless registration is not required by law.

**(Please Check One)**

**Is this a Florida Corporation:**  Yes or  No

**If not a Florida Corporation,**  
 In what state was it created: Delaware  
 Name as spelled in that State: Bowman Consulting Group Ltd.

**What kind of corporation is it:**  "For Profit" or  "Not for Profit"

**Is it in good standing:**  Yes or  No

**Authorized to transact business in Florida:**  Yes or  No

State of Florida Department of State Certificate of Authority Document No.: F12000004832

**Does it use a registered fictitious name:**  Yes or  No

**THIS PAGE MUST BE SUBMITTED WITH PROPOSAL**

**Names of Officers:**  
**President:** Gary P. Bowman **Secretary:** Robert A. Hickey

Vice President: Michael G. Bruen Treasurer: Bruce J. Labovitz

Director: James P. Laurito Director: Patricia Mulroy

Director Other: Stephen A. Riddick Director Other: Raymond Vicks, Jr.

Name of Corporation (As used in Florida):  
Bowman Consulting Group Ltd.  
(Spelled exactly as it is registered with the state or federal government)

Corporate Address:

Post Office Box: n/a  
City, State Zip: n/a  
Street Address: 12355 Sunrise Valley Drive, Suite 520  
City, State, Zip: Reston, VA 20191

STATE OF FL  
COUNTY OF Hillsborough

Sworn to and subscribed before me this 31 day of July, 2023, by Mat George who  is personally known to me or  has produced his/her driver's license as identification.

[Signature]  
Notary Public - State of Florida  
Print Name: Robert Tucholski  
Commission No: HH 386859



THIS PAGE MUST BE SUBMITTED WITH PROPOSAL

**ATTACHMENT 2.2**  
**PROFESSIONAL SERVICES INDEMNITY, AND RELEASE**

- A. TO THE EXTENT PERMITTED BY FLORIDA LAW, THE CONSULTANT MUST INDEMNIFY AND HOLD HARMLESS THE CITY, AND ITS OFFICERS AND EMPLOYEES, FROM LIABILITIES, DAMAGES, LOSSES, AND COSTS, INCLUDING, BUT NOT LIMITED TO, REASONABLE ATTORNEYS' FEES, TO THE EXTENT CAUSED BY THE NEGLIGENCE, RECKLESSNESS, OR INTENTIONALLY WRONGFUL CONDUCT OF THE CONSULTANT AND OTHER PERSONS EMPLOYED OR UTILIZED BY THE CONSULTANT IN THE PERFORMANCE OF THE CONTRACT WORK. THE CONTRACT DOES NOT CONSTITUTE A WAIVER OF SOVEREIGN IMMUNITY OR CONSENT BY THE CITY OR ITS SUBDIVISIONS TO SUIT BY THIRD PARTIES.
- B. FURTHER, THE CONSULTANT SHALL FULLY INDEMNIFY, AND HOLD HARMLESS THE CITY FROM ALL SUITS, ACTIONS, DAMAGES, AND COSTS OF EVERY NAME AND DESCRIPTION, INCLUDING ATTORNEYS' FEES, ARISING FROM OR RELATING TO VIOLATION OR INFRINGEMENT OF A TRADEMARK, COPYRIGHT, PATENT, TRADE SECRET OR INTELLECTUAL PROPERTY RIGHT.
- C. The City must provide all available information and assistance that the **consultant** may reasonably require regarding any claim. In the event of a claim, the city must promptly notify the **consultant** in writing by prepaid certified mail (return receipt requested) or by delivery through any nationally recognized courier service (such as federal express or ups) which provides evidence of delivery, at the address provided for receipt of notices in this Contract.
- D. The insurance coverage and limits required in this Contract may or may not be adequate to protect the city and such insurance coverage will not be deemed a limitation on the **consultant's** liability under the indemnity provided in this section. In any proceedings between the parties arising out of or related to this indemnity provision, the prevailing party shall be reimbursed all costs, expenses, and reasonable attorney fees through all proceedings (at both trial and appellate levels).
- E. Nothing in this Contract shall be deemed to affect the rights, privileges and immunities of the city as set forth in Florida Statutes Section 768.28.
- F. The terms of this section survive the termination or completion of this Contract work.

**THIS PAGE MUST BE SUBMITTED WITH PROPOSAL**

**ATTACHMENT 3**  
**FEMA PROVISIONS**

**Section 1: Prohibition on Contracting for Covered Telecommunications Equipment or Services**

(a) *Definitions.* As used in this clause, the terms backhaul; covered foreign country; covered telecommunications equipment or services; interconnection arrangements; roaming; substantial or essential component; and telecommunications equipment or services have the meaning as defined in FEMA Policy 405-143-1, Prohibitions on Expending FEMA Award Funds for Covered Telecommunications Equipment or Services (Interim).

(b) *Prohibitions.*

(1) Section 889(b) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019, Pub. L. No. 115-232, and 2 C.F.R. § 200.216 prohibit the head of an executive agency on or after Aug.13, 2020, from obligating or expending grant, cooperative agreement, loan, or loan guarantee funds on certain telecommunications products or from certain entities for national security reasons.

(2) Unless an exception in paragraph (c) of this clause applies, the Contractor and its subcontractors may not use grant, cooperative agreement, loan, or loan guarantee funds from the Federal Emergency Management Agency to:

(i) Procure or obtain any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology of any system;

(ii) Enter into, extend, or renew a contract to procure or obtain any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology of any system;

(iii) Enter into, extend, or renew contracts with entities that use covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system; or

(iv) Provide, as part of its performance of this contract, subcontract, or other contractual instrument, any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system.

(c) *Exceptions.*

(1) This clause does not prohibit Contractors from providing—

(i) A service that connects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements; or

(ii) Telecommunications equipment that cannot route or redirect user data traffic or permit visibility into any user data or packets that such equipment transmits or otherwise handles.

(2) By necessary implication and regulation, the prohibitions also do not apply to:

(i) Covered telecommunications equipment or services that

i. Are *not used* as a substantial or essential component of any system; *and*

ii. Are *not used* as critical technology of any system.

(ii) Other telecommunications equipment or services that are not considered covered telecommunications equipment or services.

(d) *Reporting requirement.*

(1) In the event the Contractor identifies covered telecommunications equipment or services used as a substantial or essential component of any system, or as critical technology as part of any system, during contract performance, or the Contractor is notified of such by a subcontractor at any tier or by any other source, the Contractor shall report the information in paragraph (d)(2) of this clause to the recipient or subrecipient, unless elsewhere in this contract are established procedures for reporting the information.

(2) The Contractor shall report the following information pursuant to paragraph (d)(1) of this clause:

(i) Within one business day from the date of such identification or notification: The contract number; the order number(s), if applicable; supplier name; supplier unique entity identifier (if known); supplier Commercial and Government Entity (CAGE) code (if known); brand; model number (original equipment manufacturer number, manufacturer part number, or wholesaler number); item description; and any readily available information about mitigation actions undertaken or recommended.

(ii) Within 10 business days of submitting the information in paragraph (d)(2)(i) of this clause: Any further available information about mitigation actions undertaken or recommended. In addition, the Contractor shall describe the efforts it undertook to prevent use or submission of covered telecommunications equipment or services, and any additional efforts that will be incorporated to prevent future use or submission of covered telecommunications equipment or services.

(e) *Subcontracts.* The Contractor shall insert the substance of this clause, including this paragraph (e), in all subcontracts and other contractual instruments.

## **Section 2: Domestic Preference for Procurements**

As appropriate, and to the extent consistent with law, the Contractor should, to the greatest extent practicable, provide a preference for the purchase, acquisition, or use of goods, products, or materials produced in the United States. This includes, but is not limited to iron, aluminum, steel, cement, and other manufactured products.

For purposes of this clause:

*Produced in the United States* means, for iron and steel products, that all manufacturing processes, from the initial melting stage through the application of coatings, occurred in the United States.

*Manufactured products* mean items and construction materials composed in whole or in part of non-ferrous metals such as aluminum; plastics and polymer-based products such as polyvinyl chloride pipe; aggregates such as concrete; glass, including optical fiber; and lumber.

### **Section 3: Equal Employment Opportunity**

(a) This section applies if the contract is for a federally assisted construction contract. As defined in 41 C.F.R. § 60-1.3:

(1) A *federally assisted construction contract* means “any agreement or modification thereof between any applicant and a person for construction work which is paid for in whole or in part with funds obtained from the Government or borrowed on the credit of the Government pursuant to any federal program involving a grant, contract, loan, insurance or guarantee, or undertaken pursuant to any federal program involving such grant, contract, loan, insurance, or guarantee, or any application or modification thereof approved by the Government for a grant, contract, loan, insurance, or guarantee under which the applicant itself participates in the construction work.”

(2) *Construction work* means as “the construction, rehabilitation, alteration, conversion, extension, demolition or repair of buildings, highways, or other changes or improvements to real property, including facilities providing utility services. The term also includes the supervision, inspection, and other onsite functions incidental to the actual construction.”

(3) *Contract* means “any Government contract or subcontract or any federally assisted construction contract or subcontract.”

(4) Additional definitions pertaining to this section can be found at 41 C.F.R. § 60-1.3.

(b) Unless exempted in 41 C.F.R. Part 60, the following terms apply, and during the performance of this contract, the Contractor agrees as follows:

(1) The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. The Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

(2) The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin.

(3) The Contractor will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with the Contractor's legal duty to furnish information.

(4) The Contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representatives of the Contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

(5) The Contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.

(6) The Contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

(7) In the event of the Contractor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part and the Contractor may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

(8) The Contractor will include the portion of the sentence immediately preceding paragraph (1) and the provisions of paragraphs (1) through (8) in every subcontract or contract unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The Contractor will take such action with respect to any subcontract or contract as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance: *Provided*, however, that in the event a Contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the administering agency, the Contractor may request the United States to enter into such litigation to protect the interests of the United States.

#### **Section 4: Davis-Bacon Act**

(a) This section applies when required by federal program legislation for prime construction contracts over \$2,000. The Davis-Bacon Act only applies to the Emergency Management Performance Grant Program, Homeland Security Grant Program, Nonprofit Security Grant Program, Tribal Homeland Security Grant Program, Port Security Grant Program, Transit Security Grant Program, Intercity Passenger Rail Program, and Rehabilitation of High Hazard Potential Dams Program. Unless otherwise stated in a program's authorizing statute, it *does not* apply to other FEMA grant and cooperative agreement programs, including the Public Assistance program. Where this section applies:

(1) Minimum wages.

(i) All laborers and mechanics employed or working upon the site of the work (or under the United States Housing Act of 1937 or under the Housing Act of 1949 in the construction or development of the project), will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe

benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the Contractor and such laborers and mechanics. Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph (a)(1)(iv) of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in § 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under paragraph (a)(1)(ii) of this section) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the Contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

(ii)

(A) The contracting officer shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination, and which is to be employed under the contract shall be classified in conformance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

(1) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(2) The classification is utilized in the area by the construction industry; and

(3) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(B) If the Contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(C) In the event the Contractor, the laborers, or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(D) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs (a)(1)(ii) (B) or (C) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

(iii) Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the Contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

(iv) If the Contractor does not make payments to a trustee or other third person, the Contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, Provided, That the Secretary of Labor has found, upon the written request of the Contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the Contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

(2) Withholding. The City shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld from the Contractor under this contract or any other Federal contract with the same prime Contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime Contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the Contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work (or under the United States Housing Act of 1937 or under the Housing Act of 1949 in the construction or development of the project), all or part of the wages required by the contract, the (Agency) may, after written notice to the Contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

(3) Payrolls and basic records.

(i) Payrolls and basic records relating thereto shall be maintained by the Contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work (or under the United States Housing Act of 1937, or under the Housing Act of 1949, in the construction or development of the project). Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made, and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the Contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

(A) The Contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the (write in name of appropriate federal agency) if the agency is a party to the contract, but if the agency is not such a party, the Contractor will submit the payrolls to the applicant, sponsor, or owner, as the case may be, for transmission to the (write in name of agency). The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g., the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division Web site at <http://www.dol.gov/esa/whd/forms/wh347instr.htm> or its successor site. The prime Contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the (write in name of appropriate federal agency) if the agency is a party to the contract, but if the agency is not such a party, the Contractor will submit them to the applicant, sponsor, or owner, as the case may be, for transmission to the (write in name of agency), the Contractor, or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime Contractor to require a subcontractor to provide addresses and social security numbers to the prime Contractor for its own records, without weekly submission to the sponsoring government agency (or the applicant, sponsor, or owner).

(B) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the Contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(1) That the payroll for the payroll period contains the information required to be provided under § 5.5 (a)(3)(ii) of Regulations, 29 CFR part 5, the appropriate information is being maintained under § 5.5 (a)(3)(i) of Regulations, 29 CFR part 5, and that such information is correct and complete;

(2) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR part 3;

(3) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

(C) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph (a)(3)(ii)(B) of this section.

(D) The falsification of any of the above certifications may subject the Contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.

(iii) The Contractor or subcontractor shall make the records required under paragraph (a)(3)(i) of this section available for inspection, copying, or transcription by authorized representatives of the (write the name of the agency) or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the Contractor or subcontractor fails to submit the required records or to

make them available, the Federal agency may, after written notice to the Contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

(4) Apprentices and trainees -

(i) Apprentices. Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the Contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a Contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the Contractor's or subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the Contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(ii) Trainees. Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment

and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the Contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(iii) Equal employment opportunity. The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.

(5) Compliance with Copeland Act requirements. The Contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract.

(6) Subcontracts. The Contractor or subcontractor shall insert in any subcontracts the clauses contained in 29 CFR 5.5(a)(1) through (10) and such other clauses as the (write in the name of the Federal agency) may by appropriate instructions require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime Contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR 5.5.

(7) Contract termination: debarment. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a Contractor and a subcontractor as provided in 29 CFR 5.12.

(8) Compliance with Davis-Bacon and Related Act requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract.

(9) Disputes concerning labor standards. Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the Contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

(10) Certification of eligibility.

(i) By entering into this contract, the Contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the Contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(ii) No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(iii) The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

### **Section 5: Copeland Anti-Kickback Act**

(a) This section applies only if the Davis-Bacon Act applies (see Section 4).

(b) The Contractor shall comply with 18 U.S.C. § 874, 40 U.S.C. § 3145, and the requirements of 29 C.F.R. Part 3 as may be applicable, which are incorporated by reference into this contract.

(c) The Contractor or subcontractor shall insert in any subcontracts the clause above and such other clauses as FEMA may by appropriate instructions require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime Contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all of these contract clauses.

(d) A breach of the contract clauses above may be grounds for termination of the contract, and for debarment as a contractor and subcontractor as provided in 29 C.F.R. § 5.12.

### **Section 6: Contract Work Hours and Safety Standards Act**

(a) This section applies to all procurements over \$100,000 that involve the employment of mechanics, laborers, and construction work. These requirements do not apply to the purchase of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.

(b) Where this section applies:

(1) Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

(2) Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph (b)(1) of this section the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (b)(1) of this section, in the sum of \$27 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (b)(1) of this section.

(3) Withholding for unpaid wages and liquidated damages. The City shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other federal contract with the same prime Contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime Contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (b)(2) of this section.

(4) Subcontracts. The Contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (b)(1) through (4) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime Contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (b)(1) through (4) of this section.

(c) If this contract is only subject to Contract Work Hours and Safety Standards Act and not subject to the other statutes in 29 C.F.R. § 5.1, the following terms apply:

(1) The Contractor or subcontractor shall maintain payrolls and basic payroll records during the course of the work and shall preserve them for a period of three years from the completion of the contract for all laborers and mechanics, including guards and watchmen, working on the contract. Such records shall contain the name and address of each such employee, social security number, correct classifications, hourly rates of wages paid, daily and weekly number of hours worked, deductions made, and actual wages paid.

(2) Records to be maintained under this provision shall be made available by the Contractor or subcontractor for inspection, copying, or transcription by authorized representatives of the Department of Homeland Security, the Federal Emergency Management Agency, and the Department of Labor, and the Contractor or subcontractor will permit such representatives to interview employees during working hours on the job.

### **Section 7: Clean Air and Water**

(a) This section applies if the contract is over \$150,000.

(b) The Contractor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act, as amended, 42 U.S.C. § 7401 et seq. The Contractor agrees to report each violation to the City and understands and agrees that the City will, in turn, report each violation as required to assure notification to the State of Florida, FEMA, and the appropriate Environmental Protection Agency Regional Office. The Contractor agrees to include these requirements in each subcontract exceeding \$150,000 financed in whole or in part with federal assistance provided by FEMA.

(c) The Contractor agrees to comply with all applicable standards, orders, or regulations issued pursuant to the federal Water Pollution Control Act, as amended, 33 U.S.C. § 1251 et seq. The Contractor agrees to report each violation to the City and understands and agrees that the City will, in turn, report each violation as required to assure notification to the State of Florida, FEMA, and the appropriate Environmental Protection Agency Regional Office. The Contractor agrees to include these requirements in each subcontract exceeding \$150,000 financed in whole or in part with federal assistance provided by FEMA.

### **Section 8: Suspension and Debarment**

(a) If this contract is for \$25,000 or more, or requires the consent of an official of a federal agency, then this contract is a covered transaction for purposes of 2 C.F.R. Part 180 and 2 C.F.R. Part 3000. As such, the Contractor is required to verify that none of the Contractor's principals (defined at 2 C.F.R. § 180.995) or its affiliates (defined at 2 C.F.R. § 180.905) are excluded (defined at 2 C.F.R. § 180.940) or disqualified (defined at 2 C.F.R. § 180.935). The Contractor must comply with 2 C.F.R. Part 180, subpart C and 2 C.F.R. Part 3000, subpart C, and must include a requirement to comply with these regulations in any lower tier covered transaction it enters into. The Contractor agrees to comply with the requirements of 2 C.F.R. Part 180, subpart C and 2 C.F.R. Part 3000, subpart C throughout the period of the contract.

(b) This certification is a material representation of fact relied upon by the City. If it is later determined that the Contractor did not comply with 2 C.F.R. Part 180, subpart C and 2 C.F.R. Part 3000, subpart C, in addition

to remedies available to the City, the federal government may pursue available remedies, including but not limited to suspension and/or debarment.

**Section 9: Byrd Anti-Lobbying Amendment**

Contractors who apply or bid for an award of more than \$100,000 shall file the FEMA-required certification found at 44 C.F.R. Part 18, Appendix A (attached hereto). Each tier certifies to the tier above that it will not and has not used federally appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, officer or employee of Congress, or an employee of a Member of Congress in connection with obtaining any federal contract, grant, or any other award covered by 31 U.S.C. § 1352. Each tier shall also disclose any lobbying with non-federal funds that takes place in connection with obtaining any federal award. Such disclosures are forwarded from tier to tier up to the recipient who in turn will forward the certification(s) to the federal awarding agency.

**Section 10: Procurement of Recovered Materials**

(a) In the performance of this contract, the Contractor shall make maximum use of products containing recovered materials that are EPA-designated items unless the product cannot be acquired—

competitively within a timeframe providing for compliance with the contract performance schedule;

meeting contract performance requirements; or

at a reasonable price.

Information about this requirement, along with the list of EPA-designated items, is available at EPA's Comprehensive Procurement Guidelines webpage: <https://www.epa.gov/smm/comprehensive-procurement-guideline-cpg-program>.

(b) The Contractor also agrees to comply with all other applicable requirements of Section 6002 of the Solid Waste Disposal Act.

**Section 11: Access to Records**

(a) The Contractor agrees to provide the City, the State of Florida, the FEMA Administrator, the Comptroller General of the United States, or any of their authorized representatives access to any books, documents, papers, and records of the Contractor which are directly pertinent to this contract for the purposes of making audits, examinations, excerpts, and transcriptions. The Contractor agrees to permit any of the foregoing parties to reproduce by any means whatsoever or to copy excerpts and transcriptions as reasonably needed.

(b) The Contractor agrees to provide the FEMA Administrator or his authorized representatives access to construction or other work sites pertaining to the work being completed under the contract.

(c) In compliance with section 1225 of the Disaster Recovery Reform Act of 2018, the City and the Contractor acknowledge and agree that no language in this contract is intended to prohibit audits or internal reviews by the FEMA Administrator or the Comptroller General of the United States

**Section 12: DHS Seal, Logo, and Flags**

The Contractor shall not use the Department of Homeland Security (DHS) seal(s), logos, crests, or reproductions of flags or likenesses of DHS agency officials without specific FEMA pre-approval. The Contractor shall include this provision in any subcontracts.

**Section 13: Compliance with Federal Law**

The Contractor acknowledges that FEMA financial assistance will be used to fund all or a portion of the contract. The Contractor will comply with all applicable federal law, regulations, executive orders, FEMA policies, procedures, and directives.

**Section 14: No Obligation of Federal Government**

The federal government is not a party to this contract and is not subject to any obligations or liabilities to the non-federal entity, Contractor, or any other party pertaining to any matter resulting from the contract.

**Section 15: False Claims**

The Contractor acknowledges that 31 U.S.C. Chap. 38 (Administrative Remedies for False Claims and Statements) applies to the Contractor's actions pertaining to this contract.

**Section 16: Affirmative Socioeconomic Steps**

If subcontracts are to be let, the prime Contractor is required to take all necessary steps identified in 2 C.F.R. § 200.321(b)(1)-(5) to ensure that small and minority businesses, women's business enterprises, and labor surplus area firms are used when possible.

**Section 17: Copyright and Data Rights**

If the contract requires the Contractor or subcontractor to produce copyrightable subject matter or data, then the Contractor grants to the City, a paid-up, royalty-free, nonexclusive, irrevocable, worldwide license in data first produced in the performance of this contract to reproduce, publish, or otherwise use, including prepare derivative works, distribute copies to the public, and perform publicly and display publicly such data. For data required by the contract but not first produced in the performance of this contract, the Contractor will identify such data and grant to the City or acquires on its behalf a license of the same scope as for data first produced in the performance of this contract. Data, as used herein, shall include any work subject to copyright under 17 U.S.C. § 102, for example, any written reports or literary works, software and/or source code, music, choreography, pictures or images, graphics, sculptures, videos, motion pictures or other audiovisual works, sound and/or video recordings, and architectural works. Upon or before the completion of this contract, the Contractor will deliver to the City data first produced in the performance of this contract and data required by the contract but not first produced in the performance of this contract in formats acceptable by the City.

**Section 18: Patent Rights**

If this contract is a *funding agreement* as defined in 37 C.F.R. § 401.2(a), then the standard patents rights clause at 37 C.F.R. § 401.14 is hereby incorporated by reference as if fully set forth herein.

**THIS PAGE MUST BE SUBMITTED WITH PROPOSAL**

**ATTACHMENT 4 - REFERENCES/CLIENT LISTING**

The firm shall provide a minimum of five (5) business related references for which they are currently providing, or have provided within the last five (5) years, services similar to the scope of services required by this RFP. A minimum of five (5) years' experience in projects of similar scope and size is required. Attach additional sheets if necessary.

1. Business/Customer Name: Martin County, FL

Name of Contact Person/Title: Tom Walker, PSM | County Surveyor

Telephone# 772.288.5928 Fax 772.288.5432 E-mail twalker@martin.fl.us

Address 2401 SE Monterey Road, Stuart, FL 34996

Duration of Contract or business relationship (include project completion date) 2014 - Present

Type of Services Provided Continuing Surveying Services Total Cost N/A (Various projects)

2. Business/Customer Name: Florida Department of Transportation (FDOT), District 4

Name of Contact Person/Title: Jeffrey D. Smith, PSM | District Surveyor & Mapper

Telephone# 954.777.4560 Fax 954.777.4528 E-mail jeffrey.smith@dot.state.fl.us

Address 3400 W. Commercial Blvd, Fort Lauderdale, FL 33309

Duration of Contract or business relationship (include project completion date) 2014 - Present

Type of Services Provided Continuing ROW/Surveying/SUE Total Cost N/A (Various projects)

3. Business/Customer Name: South Florida Water Management District (SFWMD)

Name of Contact Person/Title: Michael O'Brien, PSM, CFM | Administrator, Surveying & Mapping Section

Telephone# 561.682.6688 Fax 561.682.6200 E-mail mobrien@sfwmd.gov

Address 3301 Gun Club Road, West Palm Beach, FL 33406

Duration of Contract or business relationship (include project completion date) 2016 - Present

Type of Services Provided Continuing Surveying Services Total Cost N/A (Various)

COMPANY NAME: Bowman Consulting Group Ltd.

SIGNATURE: 

**THIS PAGE MUST BE SUBMITTED WITH PROPOSAL**

4. Business/Customer Name: Tampa Electric Company (TECO)

Name of Contact Person/Title: William McNair | Division Supervisor

Telephone# 813.228.4111 Fax 813.228.4140 E-mail wjmcnair@tecoenergy.com

Address 702 N. Franklin Street, Tampa, FL 33602

Duration of Contract or business relationship (include project completion date) 2016 - Ongoing

Type of Services Provided Surveying/ROW/GIS/SUE Total Cost N/A (Various)

5. Business/Customer Name: City of Stuart, Florida

Name of Contact Person/Title: Tim Voelker, PE | Utilities & Engineering Director

Telephone# 772.288.5332 Fax 772.288.5303 E-mail tvoelker@ci.stuart.fl.us

Address 121 SW Flagler Avenue, Stuart, FL 34994

Duration of Contract or business relationship (include project completion date) 2015 - Present

Type of Services Provided Surveying Services Total Cost N/A (Various)

COMPANY NAME: Bowman Consulting Group Ltd.

SIGNATURE: *Max George*

**THIS PAGE MUST BE SUBMITTED WITH PROPOSAL**

ATTACHMENT 5
LOBBYING CERTIFICATION

"The undersigned hereby certifies, to the best of his or her knowledge and belief, that":

STATE OF FL

COUNTY OF Hillsborough

This 31 day July of 2023

Max George, being first duly sworn, deposes and says that he or she is the authorized representative of Bowman Consulting Group Ltd. (Name of the contractor, firm or individual), and that the vendor and any of its agents agree to have no contact or communication with, or discuss any matter related in any way to any active City of North Port solicitation, with any City of North Port elected officials, officers, their appointees or their agents or any other staff or outside individuals working with the city in respect to this request other than the designated Procurement Official Contact and to abide by the restrictions outlined in the General Terms and Conditions of the Solicitation. Technical questions directed to the project manager, is prohibited. These persons shall not be lobbied, either individually or collectively, regarding any questions for bid, proposal, qualification and/or any other solicitations released by the city. To do so is grounds for immediate disqualification from the selection process. The selection process is not considered final until such a time as the Commission has made a final and conclusive determination.

(a) No City appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence either directly or indirectly an officer or employee of the City, City Commission in connection with the awarding of any City Contract.

(b) If any funds other than City appropriated funds have been paid or will be paid to any person for influencing or attempting to influence a member of City Commission or an officer or employee of the City in connection with this contract, the undersigned shall complete and submit Standard Form-L "Disclosure Form to Report Lobbying", in accordance with its instructions.

Signed, sealed and delivered this 31st day of July, 2023.

By: Max George

Max George
(Printed Name)
Director of Surveying
(Title)

STATE OF FL
COUNTY OF Hillsborough

Sworn to (or affirmed) and subscribed before me by means of X physical presence or online notarization, this 31 day of July 2023, by Max George

[Signature]
Notary Public - State of FL



Personally Known X OR Produced Identification
Type of Identification Produced

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**ATTACHMENT 6  
NON-COLLUSIVE AFFIDAVIT**

Before me, the undersigned authority ("Affiant"), personally appeared:

Max George who, being first duly sworn, deposes and says that:

1. Affiant is the Director of Surveying  
of Bowman Consulting Group Ltd.  
the Respondent that has submitted the attached reply;
2. Affiant is fully informed respecting the preparation and contents of the attached reply and of all pertinent circumstances respecting such reply;
3. Such reply is genuine and is not a collusive or sham reply;
4. Neither the said Respondent nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, have in any way colluded, conspired, connived or agreed, directly or indirectly, with any other respondent, firm, or person to submit a collusive or sham reply in connection with the work for which the attached reply has been submitted: or have in any manner, directly or indirectly sought by agreement or collusion, or communication or conference with any respondent, firm, or person to fix the price or prices in the attached reply or of any other respondent, or to fix any overhead, profit, or cost elements of the reply price or the reply price of any other respondent, or to secure through any collusion, conspiracy, connivance, or unlawful agreement any advantage against (Recipient), or any person interested in the reply work.

Signed, sealed, and delivered on July 31, 2023.

Max George

Signature

Max George

Print

Director of Surveying

Title

**SWORN ACKNOWLEDGMENT**

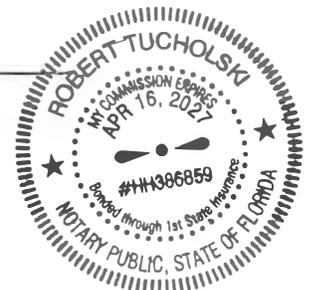
STATE OF FL  
COUNTY OF Hillsborough

Sworn to (or affirmed) and subscribed before me by means of  physical presence or  online notarization, this 31  
day of July 2022; by Max George  
2023

Robert Tucholski  
Notary Public

Personally Known  OR Produced Identification   
Type of Identification Produced \_\_\_\_\_

**THIS PAGE MUST BE SUBMITTED WITH PROPOSAL**



**ATTACHMENT 7**  
**CONFLICT OF INTEREST FORM**

Florida Statutes Section 112.313 places limitations on public officers (including advisory board members) and employees' ability to contract with the City of North Port, Florida ("City") either directly or indirectly.

**PART I.** *[Select and complete all that apply]:*

I am an employee, public officer, or advisory board member of the City.

Identify the position and/or board: \_\_\_\_\_

I am the spouse or child of an employee, public officer, or advisory board member of the City.

Identify the name of the spouse or child: \_\_\_\_\_

I am an employee, public officer or advisory board member of the City, or my spouse or child, is an officer, partner, director, or proprietor of Respondent/Contractor or has a material interest in Contractor. "Material interest" means direct or indirect ownership of more than 5 percent of the total assets or capital stock of any business entity. For the purposes of Florida Statutes Section 112.313, indirect ownership does not include ownership by a spouse or minor child.

Identify the name of the person and the entity \_\_\_\_\_

Bidder/Contractor employs or contracts with an employee, public officer, or advisory board member of the City.

Identify the name of the employee, public officer, or advisory board member \_\_\_\_\_

None of the Above

**PART II: Will you request an advisory board member waiver?**

I WILL request an advisory board member waiver under §112.313(12)

I WILL NOT request an advisory board member waiver under §112.313(12)

N/A

The City will review any relationships which may be prohibited under the Florida Ethics Code and will disqualify any Contractor whose conflicts are not waived or exempt.

**THIS PAGE MUST BE SUBMITTED WITH PROPOSAL**

**Attachment 7**

*Max George*

\_\_\_\_\_  
Signature of Person Authorized to Bind the Contractor

Max George

\_\_\_\_\_  
Printed Name

Director of Surveying

\_\_\_\_\_  
Title

07/31/2023

\_\_\_\_\_  
Date

**THIS PAGE MUST BE SUBMITTED WITH PROPOSAL**

ATTACHMENT 8  
PUBLIC ENTITY CRIME INFORMATION

As provided by F.S. §287.133, a person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a Contract to provide any goods or services to a public entity, may not submit a bid on a Contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not be awarded or perform work as a Contractor, supplier, Subcontractor, or Consultant under a Contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.

I, Max George, PSM, being an authorized representative of the Contractor, have read and understand the contents above.

I certify that the Contractor is not disqualified from replying to this solicitation/contracting because of Florida Statutes Section 287.133.

Telephone #: 813-474-7424 Fax #: 321-255-7751  
Federal ID #: 54-1762351 Email: mgeorge@bowman.com

Max George  
Signature of Contractor's Authorized Representative

Max George, Director of Surveying  
Name and Title of Contractor's Authorized Representative

07/31/2023  
Date

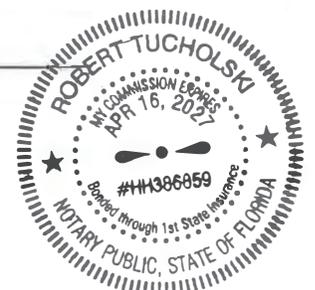
**SWORN ACKNOWLEDGMENT**

STATE OF FLORIDA  
COUNTY OF Hillsborough

Sworn to (or affirmed) and subscribed before me by means of  physical presence or  online notarization, this 31 day of July 2023, by Max George.

[Signature]  
Notary Public – State of Florida

Personally Known  OR Produced Identification   
Type of Identification Produced \_\_\_\_\_



**THIS PAGE MUST BE SUBMITTED WITH PROPOSAL**

ATTACHMENT 9  
DRUG FREE WORKPLACE FORM

The undersigned, in accordance with Florida Statutes Section 287.087, hereby certifies that the Contractor,  
Bowman Consulting Group Ltd. (Company Name):

1. Publishes 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. Informs 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. Gives each employee engaged in providing the commodities or Contractual services that are under bid a copy of the statement specified in subsection (1).
4. In the statement specified in subsection (1), notifies employees that, as a condition of working on the commodities or Contractual services that are under bid, 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 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. Imposes 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. Makes a good faith effort to continue to maintain a drug free workplace through implementation of this section.

**Check one:**

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

As the person authorized to sign this statement, this firm **does not** comply fully with the above requirements.

*Max George*

\_\_\_\_\_  
Signature  
Max George

\_\_\_\_\_  
Printed Name  
Director of Surveying

\_\_\_\_\_  
Title 07/31/2023  
Date

**ATTACHMENT 10  
DISCLOSURE FORM FOR  
CONSULTANT/ENGINEER/ARCHITECT**

**Please select (only) one of the following three options:**

Our firm has no actual, potential, or reasonably perceived, **financial\*** or **other interest\*\*** in the outcome of the project.

Our firm has a potential or reasonably perceived **financial\*** or **other interest\*\*** in the outcome of the project as described here: \_\_\_\_\_.

Our firm proposes to mitigate the potential or perceived conflict according to the following plan:  
\_\_\_\_\_.

Our firm has an actual **financial\*** or **other interest\*\*** in the outcome of the project as described here:  
\_\_\_\_\_.

**\*What does “financial interest” mean?**

If your firm, or employee of your firm working on the project (or a member of the employee’s household), will/may be perceived to receive or lose private income depending on the government business choices based on your firm’s findings and recommendations, this must be listed as a financial interest. An example would be ownership in physical assets affected by the government business choices related to this project. The possibility of contracting for further consulting services is not included in this definition and is not prohibited.

**\*\*What does “other interest” mean?**

If your firm, or employee of your firm working on the project (or a member of the employee’s household), will/may be perceived to have political, legal or any other interests that will affect what goes into your firm’s findings and recommendations, or will be/may be perceived to be affected by the government business choices related to this project, this must be listed as another interest.

**BUSINESS NAME:** Bowman Consulting Group Ltd.

**NAME (PERSON AUTHORIZED TO BIND THE COMPANY):** Max George

**SIGNATURE:**  **DATE:** 07/31/2023

**THIS PAGE MUST BE SUBMITTED WITH PROPOSAL**

**ATTACHMENT 11**  
**SCRUTINIZED COMPANY CERTIFICATION FORM**

Contractor Name: Bowman Consulting Group Ltd.  
Authorized Representative Name and Title: Max George, Director of Surveying  
Address: 5404 Cypress Blvd, Ste. 140 City: Tampa State: FL ZIP: 33609  
Phone Number: 813-474-7424 Email Address: mgeorge@bowman.com

A company is ineligible to, and may not, bid on, submit a proposal for, or enter into or renew a Contract with the City of North Port for goods or services of any amount if, at the time of bidding on, submitting a proposal for, or entering into or renewing such Contract, the company is on the Scrutinized Companies that Boycott Israel List, created pursuant to Florida Statutes, section 215.4725, or is engaged in a boycott of Israel.

A company is ineligible to, and may not, bid on, submit a proposal for, or enter into or renew a Contract with the City of North Port for goods or services of \$1 million or more if, at the time of bidding on, submitting a proposal for, or entering into or renewing such Contract, the company is on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, created pursuant to Florida Statutes, section 215.473, or with companies engaged in business operations in Cuba or Syria.

**CHOOSE ONE OF THE FOLLOWING**

This Contract or Contract renewal is for goods or services of less than \$1 million. As the person authorized to sign on behalf of the above-named company, and as required by Florida Statutes Section 287.135(5), I hereby certify that the above-named company is not participating in a boycott of Israel.

This bid, proposal, Contract or Contract renewal is for goods or services of \$1 million or more. As the person authorized to sign on behalf of the above-named company, and as required by Florida Statutes Section 287.135(5), I hereby certify that the above-named company is not participating in a boycott of Israel, is not on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, and it does not have business operations in Cuba or Syria.

I understand that pursuant to Florida Statutes, section 287.135, the submission of a false certification may result in the termination of the Contract if one is entered into, and may subject the above-named company to civil penalties, attorney's fees and costs.

Certified By:

Max George

Signature of Contractor's Authorized Representative

Max George  
Name

Director of Surveying  
Title

07/31/2023  
Date

**ATTACHMENT 12**  
**VENDOR'S CERTIFICATION FOR E-VERIFY SYSTEM**

The undersigned Vendor/Consultant/Contractor (Vendor), after being duly sworn, states the following:

1. Vendor is a person or entity that has entered into or is attempting to enter into a contract with the City of North Port (City) to provide labor, supplies, or services to the City in exchange for salary, wages or other remuneration.
2. Vendor has registered with and will use the E-Verify System of the United States Department of Homeland Security to verify the employment eligibility of:
  - a. All persons newly hired by the Vendor to perform employment duties within Florida during the term of the contract; and
  - b. All persons, including sub-contractors, sub-vendors or sub-consultants, assigned by the Vendor to perform work pursuant to the contract with the City.
3. If the Vendor becomes the successful Contractor who enters into a contract with the City, then the Vendor will comply with the requirements of Section 448.095, Fla. Stat. "Employment Eligibility", as amended from time to time.
4. Vendor will obtain an affidavit from all subcontractors attesting that the subcontractor does not employ, contract with, or subcontract with, an unauthorized alien as defined in 8 United States Code, Section 1324A(H)(3).
5. Vendor will maintain the original affidavit of all subcontractors for the duration of the contract.
6. Vendor affirms that failure to comply with the state law requirements can result in the City's termination of the contract and other penalties as provided by law.
7. Vendor understands that pursuant to Florida Statutes, section 448.095, the submission of a false certification may result in the termination of the contract if one is entered into, and may subject the Vendor named in this certification to civil penalties, attorney's fees and costs.

VENDOR: Bowman Consulting Group Ltd. (Vendor's Company Name)

Certified By:   
AUTHORIZED REPRESENTATIVE SIGNATURE

Print Name and Title: Max George, Director of Surveying

Date Certified: 07/31/2023

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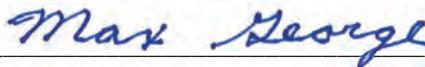
**ATTACHMENT 13**  
**CERTIFICATION REGARDING LOBBYING**

The undersigned certifies, to the best of his or her knowledge, that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
  
2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
  
3. The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The Contractor certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. § 3801 et seq., apply to this certification and disclosure, if any.



\_\_\_\_\_  
Signature of Contractor's Authorized Representative

Max George

\_\_\_\_\_  
Name

Director of Surveying

\_\_\_\_\_  
Title

07/31/2023

\_\_\_\_\_  
Date

**THIS PAGE MUST BE SUBMITTED WITH PROPOSAL**

**ATTACHMENT 15**  
**CERTIFICATION REGARDING DEBARMENT, SUSPENSION, AND OTHER RESPONSIBILITY MATTERS**  
**PRIMARY COVERED TRANSACTIONS**

This contract is a covered transaction for purposes of 2 C.F.R. pt. 180 and 2 C.F.R. pt. 3000.

The Contractor certifies that, neither the firm nor any person associated therewith in the capacity of owner, partner, director, officer, principal, investigator, project director, manager, auditor, and/or position involving the administration of federal funds:

(a) is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions, as defined in 49 CFR s29.110(a), by any federal department or agency;

(b) has within a three-year period preceding this certification been convicted of or had a civil judgment rendered against it for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a federal, state, or local government transaction or public contract; violation of federal or state antitrust statutes; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

(c) is presently indicted for or otherwise criminally or civilly charged by a federal, state, or local governmental entity with commission of any of the offenses enumerated in paragraph (b) of this certification; and

(d) has within a three-year period preceding this certification had one or more federal, state, or local government public transactions terminated for cause or default.

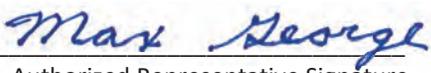
The Contractor certifies that it shall not knowingly enter into any transaction with any subcontractor, material supplier, or vendor who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this project by any federal agency unless authorized by the City of North Port.

The Contractor must comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C and must include a requirement to comply with these regulations in any lower tier covered transaction it enters into.

This certification is a material representation of fact relied upon by the City of North Port. If it is later determined that the contractor did not comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C, in addition to remedies available to the City of North Port, the Federal Government may pursue available remedies, including but not limited to suspension and/or debarment.

The bidder or proposer agrees to comply with the requirements of 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C while this offer is valid and throughout the period of any contract that may arise from this offer.

The Contractor further agrees to include a provision requiring such compliance in its lower tier covered transactions.

<u>Bowman Consulting Group Ltd.</u>	<u>54-1762351</u>
Company Name (Contractor)	Tax ID Number
<u>Max George</u>	
Authorized Representative Name	Authorized Representative Signature
<u>54-1762351</u>	<u>1SXA7</u>
Federal Issued Tax	CAGE Code issued through www.sam.gov
Identification Number	
(If Social Security number DO NOT enter)	DATE: <u>07/31/2023</u>

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**ATTACHMENT 16**

**CONTRACT CHANGES**

- A. The parties may make changes to the contract work, including additions or deletions, provided that such changes are within the general scope of the contract work. Any change affecting the contract price must be in writing and signed by both parties. The Contractor is not entitled to any increase in price or extension of time unless the contract is changed in accordance with this section.
  
- B. Either party may submit to the other a change proposal, which must identify any proposed changes in contract price or time, explain why the change is believed necessary, and cite to any applicable provision of the contract. Within a reasonable time, the party receiving the proposal shall respond in writing to the other party. If the parties agree to the change, they will execute an amendment to the contract changing its terms.
  
- C. Without invalidating the contract, the City may order additions, deletions, or revisions in the work, provided that such changes are within the general scope of the contract work. Such changes may be accomplished by a contract amendment, if the City Commission and Contractor have agreed as to the effect, if any, of the changes on contract price. If the parties cannot agree, the Contractor shall proceed with the work, or, in the case of a deletion, cease activities with respect to the deleted work, subject to the Contractor's right to claim for additional compensation or time. Any such claim must be made in writing within 14 days. Additional compensation will be limited to Contractor's actual cost of the work, plus reasonable profit and overhead. Nothing in this section shall obligate Contractor to undertake work that Contractor reasonably concludes cannot be performed in a manner consistent with Contractor's safety obligations under the contract or governing laws and regulations.

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**Attachment 17**  
**SANCTIONS AND PENALTIES**

In the event of a breach of the terms of this Contract, the Contractor and its subcontractors will be subject to sanctions and penalties as may be imposed and remedies invoked as provided by rule, regulation, or order of the local, state, and federal agency, and as otherwise provided by law and other terms of this Contract.

**THIS PAGE MUST BE SUBMITTED WITH PROPOSAL**

**Attachment 18**  
**TERMINATION FOR CONVENIENCE**

The City reserves the right, in its best interest as determined by the City, to cancel this Contract for convenience by giving written notice to the Contractor at least thirty (30) days prior to the effective date of such cancellation. In the event this Contract is terminated for convenience, Contractor shall be paid for any services performed to the City's satisfaction pursuant to the Contract through the termination date specified in the written notice of termination. The Contractor acknowledges and agrees that Contractor has received good, valuable, and sufficient consideration from City, the receipt and adequacy of which are hereby acknowledged by the Contractor, for City's right to terminate this Contract for convenience. The Contractor will not be paid on account of loss of anticipated profits or revenue or other economic loss arising out of or resulting from such termination.

**THIS PAGE MUST BE SUBMITTED WITH PROPOSAL**

**END OF PART IV**