

**WORK ORDER 3**

This Work Order Number 3 is entered into as of this \_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, pursuant to that certain Continuing Contract Agreement, dated May 2, 2023 (referred to as the "Agreement"), by and between INDIAN RIVER COUNTY, a political subdivision of the State of Florida ("COUNTY") and Bowman Consulting Group, Ltd. ("Consultant").

The COUNTY has selected the Consultant to perform the professional services set forth on Exhibit A (Scope of Work), attached to this Work Order and made part hereof by this reference. The professional services will be performed by the Consultant for the mutually agreed upon lump sum or maximum amount not-to-exceed professional fee. Any additional costs must be approved in writing, and at a rate not to exceed the prices set forth in Exhibit B (Rate Schedule) of the Agreement, made a part hereof by this reference. The Consultant will perform the professional services within the timeframe more particularly set forth in Exhibit A (Time Schedule), attached to this Work Order and made a part hereof by this reference all in accordance with the terms and provisions set forth in the Agreement. Pursuant to paragraph 1.4 of the Agreement, nothing contained in any Work Order shall conflict with the terms of the Agreement and the terms of the Agreement shall be deemed to be incorporated in each individual Work Order as if fully set forth herein.

IN WITNESS WHEREOF, the parties hereto have executed this Work Order as of the date first written above.

**CONSULTANT:**

By: 

Print Name: John M. Boyer, P.E.

Title: Senior Project Manager

**BOARD OF COUNTY COMMISSIONERS  
OF INDIAN RIVER COUNTY**

By: \_\_\_\_\_  
Susan Adams, Chairman

BCC Approval Date: \_\_\_\_\_

Attest: Ryan L. Butler, Clerk of Court and Comptroller

By: \_\_\_\_\_  
Deputy Clerk

By: \_\_\_\_\_  
John A. Titkanich, Jr., County Administrator

Approved as to form and legal sufficiency:

\_\_\_\_\_  
K. Keith Jackman, Assistant County Attorney

## EXHIBIT A - SCOPE OF WORK

Bowman Consulting Group Ltd. (Bowman) is pleased to submit this proposal for professional engineering services to Indian River County Parks, Recreation & Conservation Department for the Indian River Lagoon Greenway Boardwalk Improvements.

### PROJECT BACKGROUND & UNDERSTANDING

Indian River County Parks, Recreation & Conservation Department plans to add boardwalk improvements to the park site located at 850 Indian River Boulevard. The improvements are proposed to transit wet areas and keep the trails usable during the wet season. The new boardwalk will follow the alignment of an existing trail and connect to existing segments of boardwalk.

Required permitting from Army Corps of Engineers (ACOE) and the St Johns River Water Management District (SJRWMD) is also anticipated but will be handled by Parks, Recreation & Conservation staff.

Construction/installation of the boardwalk itself will also require the necessary building permits issued by the IRC Building Department. Building Department permits shall be obtained by the installing contractor and are not included in the scope of services described below.

### SCOPE OF SERVICES

The following services are proposed:

#### **Task 1 – Limited Topographic & Tree Survey**

Bowman will prepare a Limited Topographic and Tree Survey in accordance with the Standards of Practice for Surveys set forth in Chapter 5J-17.051 of the Florida Administrative Code and to the Indian River County Standards.

1. The survey will be limited to an approximately 20'-wide section along a segment of existing walking trail as defined by County Staff.
2. Ground elevations will be collected at +/- 25-foot intervals along the centerline and edges of the existing path and at changes in direction.
3. Each size and type of tree will be collected within the limits of the survey area.
4. A seasonal high-water mark (established by others) will be located and an elevation determined.
5. A minimum of 4 Survey control points will be established along the route. They will be referenced to NAD 83/2011 Horizontal and NAVD88 Vertical.

Survey data will be presented on a copy of the site boundary as provided by the County. All work performed under this task order shall be under the direction of a Professional Surveyor and Mapper registered in the State of Florida in accordance with Chapter 472 of the Florida Statutes.

### **Task 2 – Civil Engineering Design Services**

Bowman will prepare construction plans illustrating the alignment, profile, and section views of the proposed boardwalk. The structural design of the proposed boardwalk will be prepared by the Contractor.

Under this task Bowman shall:

1. Prepare engineering drawings anticipated to include:
  - a. Cover Sheet;
  - b. Construction Notes;
  - c. Plan and Profile View;
  - d. Construction Details including Cross-Sections and Material Specifications.
2. Coordinate with Parks & Rec Staff during the design process. Meet to discuss draft boardwalk alignment and tree mitigation.
3. Provide an engineer's opinion of estimated construction cost at the 90% design milestone. Final estimate will match bid schedule.
4. Field review design/plans at 90% complete milestone to compare with site conditions. In-house plan checking and respond to Client comments and prepare final drawings and specifications.

*\*\*Add Administrative Approval or Site Plan approval to this task if necessary.\*\**

### **Task 3 – Permit Support**

Parks, Recreation & Conservation Staff shall obtain required jurisdictional permits from Army Corps of Engineers (ACOE) and the St Johns River Water Management District (SJRWMD). Bowman will prepare exhibits (i.e.: maps and sketch plans) as requested by Staff to support the permit applications.

This task shall not include building department permits required to authorize construction of the boardwalk structure. Building permits shall be obtained by the contractor.

### **Task 4 - Bidding Services**

Bidding Services shall include attendance of the pre-bid conference, respond to contractor's bid questions, and preparation of addenda. Bowman will investigate references and write a letter of recommendation for the apparent successful bidder.

### **Task 5 – Construction Observation & Certification**

Following the award of the bid and the County issuance of the Contractor's Notice to Proceed, Bowman will provide periodic construction observation services to verify that construction complies with the approvals and permit documents. This task shall include attendance of the pre-construction meeting and progress meetings. Upon completion of the project Bowman shall certify construction to the respective permit authorities.

Note: This task does not include building inspections (i.e.: plumbing, electrical, threshold, etc.).

**SERVICES AND/OR INFORMATION TO BE PROVIDED BY OTHERS**

Client or others will provide the following services and/or information:

- A. Boundary survey of the site in dwg (AutoCAD) format.
- B. Contractor will provide structural design and building permit services.
- C. Provide record-drawings and information of existing improvements and utility-owned facilities and other substructures.
- D. Access to the site via gated driveway along the FDOT drainage ditch along the north side of the site.

**SERVICES NOT INCLUDED**

This work order is limited to the above Scope of Services, but additional services may be provided at the request of IRCDUS and within the services provided by Bowman. Additional services shall require written mutual authorization prior to initiation.

Work specifically excluded in the above Scope of Services include:

- A. Sub-Surface Soil Exploration (geotechnical) services.
- B. Site Plan Approvals.
- C. Jurisdictional Permitting.

**EXHIBIT B – FEE SCHEDULE**

**COMPENSATION**

Bowman will provide the services described above for the following fees:

Task 1 – Limited Topographic & Tree Survey	\$ 5,505.00 (Lump Sum)
Task 2 – Civil Engineering Design Services	\$14,200.00 (Lump Sum)
Task 3 – Permit Support	\$ 3,600.00 (Hourly, Budget)*
Task 4 - Bidding Services	\$ 4,800.00 (Hourly, Budget)*
<u>Task 5 – Construction Observation &amp; Certification</u>	<u>\$15,000.00 (Hourly, Budget)*</u>
Total Work Order (Not to Exceed):	\$43,105.00 (Budget)*

\*Fees for hourly tasks will be based on the approved standard hourly rate schedule in the Agreement. Bowman's invoicing shall not exceed the individual task budgets, or the total work order budget without the County's written approval.

Services will be invoiced monthly. Lump sum invoices will reflect the percentage of the task completed. Hourly tasks will reflect actual time/material expended.

**EXHIBIT C – TIME SCHEDULE**

This Task Order shall commence upon Notice to Proceed with the work to be completed as follows:

Task 1 –Limited Topographic & Tree Survey	45 Days
Task 2 – Civil Engineering Design Services	90 – 120 Days (following Task 1)
Task 3 - Permitting Services	30 Days (may run concurrently with Task 2)
Task 4 - Bidding Services	45 Days (following Task 2)
<u>Task 5 – Construction Administration &amp; Certification</u>	<u>TBD*</u>
Total	180 – 240 Calendar Days

\*Construction Services will be dependent on the construction schedule.