

**RESOLUTION NO. 2020- 2672**

**A RESOLUTION OF THE TOWN COMMISSION OF THE TOWN OF SURFSIDE, FLORIDA APPROVING WORK AUTHORIZATION NO. 130 WITH CALVIN GIORDANO & ASSOCIATES, INC. FOR PROFESSIONAL ENGINEERING SERVICES FOR THE POINT LAKE SUBAQUEOUS WATER MAIN CROSSING TO BISCAYA ISLAND; AUTHORIZING THE TOWN MANAGER TO EXECUTE THE WORK AUTHORIZATION; AUTHORIZING THE TOWN MANAGER AND TOWN OFFICIALS TO IMPLEMENT THE TERMS AND CONDITIONS OF THE WORK AUTHORIZATION; AND PROVIDING FOR AN EFFECTIVE DATE**

**WHEREAS**, pursuant to Section 287.055, Florida Statutes (“Consultants’ Competitive Negotiation Act), the Town of Surfside (“Town”) entered into a Continuing Professional Services Agreement (the “Agreement”) with Calvin Giordano & Associates, Inc. (“Consultant”) for professional general architectural, engineering, and surveying and mapping services on October 6, 2014; and

**WHEREAS**, in accordance with the provisions of the Agreement, Consultant and the Town have agreed to enter into Work Authorization No. 130 (“Work Authorization”) attached hereto as Exhibit “A”, authorizing the Consultant to provide professional engineering services in connection with the Point Lake Canal Subaqueous Water Main Crossing to Biscaya Island (“Services”); and

**WHEREAS**, the Work Authorization attached as Exhibit “A” provides for a scope of services detailing the Services to be provided by Consultant, as well as compensation for the Services and reimbursables in an amount not to exceed \$42,043.46; and

**WHEREAS**, Consultant has agreed to provide the Services described in the Work Authorization to be entered into with the Town; and

**WHEREAS**, the Town Commission finds that approval of the Work Authorization

between Consultant and the Town is in the best interest of the Town.

**NOW, THEREFORE, BE IT RESOLVED BY THE TOWN COMMISSION OF THE TOWN OF SURFSIDE, FLORIDA, AS FOLLOWS:**

**Section 1. Recitals.** The above recitals are true and correct and incorporated into this Resolution by this reference.

**Section 2. Approval of Work Authorization.** The Work Authorization of the Consultant to provide the Services attached hereto as Exhibit "A," as acceptable to the Town Manager and approved as to form and legality by the Town Attorney, is approved. The Town Manager is authorized to execute the Work Authorization attached hereto as Exhibit "A" on behalf of the Town.

**Section 3. Authorization of Town Officials.** The Town Manager and/or his designee are authorized to take all actions necessary to implement the terms and conditions of the Work Authorization.

**Section 4. Effective Date.** This Resolution shall take effect immediately upon adoption.

PASSED AND ADOPTED this 11th day of February, 2020.

Motion By: Commissioner Karukin

Second By: Vice Mayor Gielchinsky

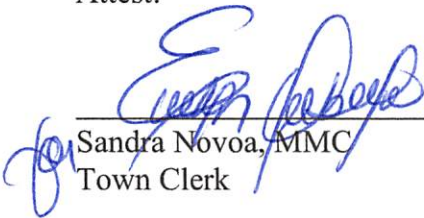
**FINAL VOTE ON ADOPTION**

Commissioner Barry Cohen	<u>Yes</u>
Commissioner Michael Karukin	<u>Yes</u>
Commissioner Tina Paul	<u>Yes</u>
Vice Mayor Daniel Gielchinsky	<u>Yes</u>
Mayor Daniel Dietch	<u>Yes</u>




\_\_\_\_\_  
Daniel Dietch, Mayor

Attest:

  
\_\_\_\_\_  
Sandra Novoa, MMC  
Town Clerk

Approved as to Form and Legal Sufficiency:

  
\_\_\_\_\_  
Weiss Serota Helfman Cole & Bierman, P.L.  
Town Attorney



**Calvin, Giordano & Associates, Inc.**  
EXCEPTIONAL SOLUTIONS™

Building Code Services  
Civil Engineering / Roadway  
& Highway Design  
Coastal Engineering  
Code Compliance  
Construction Engineering &  
Inspection (CEI)  
Construction Services  
Data Technologies &  
Development  
Electrical Engineering  
Engineering  
Environmental Services  
Facilities Management  
Geographic Information  
Systems (GIS)  
Governmental Services  
Landscape Architecture  
Planning  
Project Management  
Redevelopment  
& Urban Design  
Surveying & Mapping  
Traffic Engineering  
Transportation Planning  
Water / Utilities Engineering  
Website Development

February 4, 2020

Mr. Guillermo Olmedillo  
Town Manager  
**TOWN OF SURFSIDE**  
9293 Harding Avenue  
Surfside, FL 33154

**RE: Work Authorization No. 130**  
**Point Lake Canal Subaqueous Water Main Crossing to Biscaya Island**  
**CGA Proposal No. 19-3372**

Dear Mr. Olmedillo,

Enclosed for your review and approval is Work Authorization No. 130 for Point Lake Canal Subaqueous Water Main Crossing to Biscaya Island. The scope of the project includes Design, Permit, and prepare construction documents, and provide Construction Services.

The Scope of Services to be furnished under this Work Authorization includes Civil Engineering and Surveying as shown on the attached Work Authorization.

The Basis of Compensation is hourly based upon the established rates pursuant to the Professional Services Agreement between the Town and CGA, plus reimbursables, for a total not to exceed \$42,043.46.

Sincerely,

**CALVIN, GIORDANO & ASSOCIATES, INC.**

Chris Giordano  
Vice President

1800 Eller Drive  
Suite 600  
Fort Lauderdale, FL  
33316  
954.921.7781 phone  
954.921.8807 fax

[www.cgasolutions.com](http://www.cgasolutions.com)

## **TOWN OF SURFSIDE**

### **Point Lake Canal Subaqueous Water Main Crossing to Biscaya Island**

#### **PROJECT DESCRIPTION**

#### **1. SCOPE OF SERVICES**

##### **I. Professional Engineering Services**

###### **A. Civil Engineering**

###### **1. Pre-Design and Data Collection**

- Compile all previous surveys into a base map of the work area and determine if we have sufficient information to complete the design
- Coordinate with Surveying Department to obtain any missing information as needed.
- Receive additional survey information and incorporate into base map file
- Utilities coordination and location of underground improvements

###### **2. Preliminary Engineering**

- Prepare preliminary Water Main Plan

- Prepare preliminary water main profile to show proposed depth of new pipe below channel floor and clearance from obstacles such as existing utilities and the bottom of existing seawall.

**3. Final Engineering**

- Prepare final engineering plans, details, and specifications for water main improvements, directional drilling, and subaqueous crossing.

**4. Permitting**

- Prepare and process permit applications through each of the following governmental agencies:
  - Town of Surfside Engineering Department
  - Miami-Dade County Water and Sewer Department (WASD)
  - Florida Department of Environmental Protection (FDEP)
  - Florida Department of Health/Miami-Dade County
- Attend the following meetings only:
  - One (1) pre-application meeting with each permitting agency
  - One (1) meeting with each agency, as required, to review and discuss plans review comments

- One (1) meeting with the client after receipt of all agency comments to review the comments and discuss any implications to the plans
- Revise the permit documents as necessary to address permit review comments.
- Resubmit documents to their respective permitting agency.

**5. Engineering During Construction**

- Review shop drawing submittals from the contractor
- Assist Construction Services Department in issuing interpretations and clarifications of the Contract Documents and evaluating any requested deviations from the approved design or specifications
- Perform periodic inspections at construction milestones to facilitate EOR's final certifications of the Work
- Review as-built drawings submitted by the contractor
- At the sole discretion of the Engineer of Record, issue final EOR certifications of the project when, and only when, the following conditions are satisfied:
  - The Work is deemed by the EOR to be in substantial conformance with the approved drawings and specifications, and

- The project is deemed by the EOR to be substantially complete, and
  
- All as-built drawings have been received, approved, and accepted by the EOR

#### 6. Bidding Assistance

- Coordinate with the Town of Surfside (TOWN) to prepare and finalize the bid package in electronic format. The TOWN shall be responsible for advertising the bid package.
  
- Attend one pre-bid meeting scheduled by the TOWN.
  
- Respond to technical questions from prospective bidders. Any supporting documentation necessary to facilitate answering technical questions during bidding shall be provided.
  
- Prepare a bid tabulation and an overall evaluation of the opened bids.

#### 7. Other Services

- CGA shall reach out to the State to determine the process for obtaining funds for this project. Any additional coordination and effort, such as preparing grant applications, is not included.
  
- The only Civil Engineering services included in this proposal/contract are those identified above. No other Civil Engineering services are included in this contract.



- Any meetings other than those specifically identified in sections 1 through 5 above are specifically excluded from this proposal/contract. If additional meetings are required or requested, they can be added on an hourly basis.

## **II. Professional Surveying Services**

- A.** Right-of-Way route survey of Biscaya Drive and Bay Drive within the project limits with the Map of Survey identifying platted subdivisions with lot, block and right-of-way lines and location of above-ground improvements within the right-of-way.
- B.** Horizontal locations and vertical elevations will be obtained for such items as edge of pavement, fences, driveways, curb-cuts and visible above-ground utilities. Visible above ground utilities refer to the visible structures (e.g., manholes, valve boxes, inlets, etc.) typically associated with storm drainage, sanitary sewer, potable water, electric, gas, telephone and cable television.
- C.** Cross sections elevations at 50 ft. intervals and at high and low points along street profile grade line. Cross sections will include elevations at the centerline, edge of pavement and drainage swales whenever applicable within each cross section.
- D.** Recover and locate right-of-way and property corner monuments within project limits to spatially combine subdivision base map with topographic survey data.
- E.** Locate any trees with 3-inch diameter trunk (measured @ breast height) or larger located within or adjacent to the street right-of-way.
- F.** Obtain rim, bottom of structure and invert elevations with pipe sizes, pipe material and direction of flow of existing sanitary sewers manholes, drainage manholes and/or catch basins.
- G.** Locate utility paint markings upon completion of underground utility paint marking task.

- H. Obtain canal cross section measurements of canal depth of the Point Lake canal between Biscaya Drive and Bay Drive.
- I. Topographic survey data will be referenced vertically to National Geodetic Vertical Datum of 1929 (NGVD29) and horizontally to Florida State Plane Coordinates, North American Datum 83/90 (NAD 83/90).
- J. Survey work will comply with the Standards of Practice requirements for Surveying and Mapping in the State of Florida per Rule 51-17 of the Florida Administrative Code, pursuant to Florida Statutes Chapter 472, Florida Statutes.

**2. BASIS OF COMPENSATION:**

Hourly rates with an estimated fee of \$40,041.39 plus reimbursables at \$2,002.07 with a total not to exceed amount of \$42,043.46. Payments to be made monthly.

**3. SUBMITTED**

Submitted by: \_\_\_\_\_

Chris Giordano

Date: \_\_\_\_\_

2/4/2020

**TOWN OF SURFSIDE  
 WORK AUTHORIZATION ESTIMATE DATE**

**WORK AUTHORIZATION NO.** 130  
**PROJECT NAME** Point Lake Canal Subaqueous Water Main  
 Crossing to Biscaya Island  
 CGA Proposal No. 19-3372  
**DESCRIPTION** Design, Permit, and prepare construction  
 documents, and provide Construction Services

TITLE	RATE	HOURS/UNITS	COST
Associate Construction	\$159.14	9	\$1,432.26
Associate Engineering VI	\$185.66	1.5	\$278.49
Clerical	\$74.26	14	\$1,039.64
Construction Management Director	\$127.31	43	\$5,474.33
Director Engineering V	\$159.14	8	\$1,273.12
Inspector	\$83.00	4	\$332.00
Permit Administrator	\$79.57	4	\$318.28
Project Engineer III	\$127.31	93	\$11,839.83
Project Manager IV	\$137.92	55	\$7,585.60
Sr Inspector	\$95.48	46	\$4,392.08
Sr. Registered Surveyor	\$159.89	5	\$799.45
Survey CADD Technician	\$98.39	13	\$1,279.07
Survey Crew	\$153.74	26	\$3,997.24
			<b>\$40,041.39</b>

SUB-CONSULTANTS	COST
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<b>LABOR SUBTOTAL</b>	<b>\$40,041.39</b>
<b>REIMBURSABLE SUBTOTAL</b>	<b>\$2,002.07</b>
<b>TOTAL</b>	<b>\$42,043.46</b>