



# PROPOSAL EXHIBIT "A"

Continued

## WORK ORDER NO. 3 (Engineering/Survey) Continuing Professional Surveying & Mapping Contract 1605, 2016-2018

CAI Job. No. **16-235S-3**

IR County Project No. UCP 4125 (2015-2016)

IR County Contract No. 1605

IR County Work Order No. 3

### Project Limits:

Approximately 2,600 feet of a portion of South Fleming Street and all of Harbor Point Drive. Surveying services will be performed within Harbor Point Subdivision road right-of-way, Section 13, T.31S., R.38 E, Indian River County, Florida and a portion of South Fleming Street road right-of-way from the westerly terminus of previous Topographic Route Survey performed within Collier Creek to 50 feet west of the intersection with Wave Street.

### Project Scope:

The SURVEYOR shall provide Professional Land Surveying services to include the following:

- 1.) Establish horizontal control based on Florida State Plane Coordinate System, East Zone, NAD 83/2011 and limited recovery of adjacent parcel corners; and establish vertical control network benchmarks along the subject corridor based on North American Vertical Datum of 1988 not to exceed 600 feet.
- 2.) Field observe and record vertical ground spot elevations within project corridor, 10' outside of approximate right way and all specific points (road pavement, inverts and bottom of structures, swales, etc.) and changes in contour within the subject corridor.
- 3.) Field observe and record all man-made above ground and natural features (over head electrical, valves, mail boxes, drive ways, culverts, utility risers, utility boxes, etc.
- 4.) Observe and record the existing limits of vegetation, if any, within the project limits of the subject corridor.
- 5.) Locate existing residential water services for residences along Harbor Point Drive
- 6.) The route survey to be tied into the record plats of the Harbor Point Subdivision and tied to previous Topographic Route survey performed within parts of Collier Creek Estates (Contract 1333 2015-2016, UCP 4125, Work orders 1 and 1A)

### Specific Notes:

Method of horizontal and vertical observations by G.P.S., RTK [accuracy: horizontal 10mm+1ppm (RMS), vertical 20mm+1ppm (RMS)], North American Datum of 1983 / Adjustment of 2011, Florida State Plane Coordinates (East Zone-901) and North American Vertical Datum of 1988.

### Project Schedule:

Work will commence on the receipt of the notice to proceed or approved work authorization.

**Completion and Final Deliverables:**

Five (5) paper "hardcopy" signed and sealed Topographic Route Survey Certificates and an AutoCAD drawing file with PDF formats will be provided. Field and office tasks will be completed in approximately forty-five (45) days.

**Compensation:**

Payments shall be in accordance with the original Professional Surveying and Mapping Services Agreement, Contract No. 1605 with the Indian River County.

**I. Field and office tasks: horizontal and vertical control for the IRC Topographic Route Survey Project No. UCP 4125 - Phase 3; Set vertical control points along the project route survey. Tie subdivision corners and project route to Florida State Plane Coordinate System (NAD 83/2011) and North American Vertical Datum of 1988.**

Surveyor I  
1 hours @ \$140.00/hr.....\$ 140.00  
Surveyor II  
2 hours @ \$120.00/hr.....\$ 240.00  
3-Man Survey Crew  
4 hours @ \$150.00/hr.....\$ 600.00  
Total I.....\$ 980.00

**II. Field observe and record vertical ground elevations and changes in contour within the subject corridor and 10 feet outside of approximate right of way. Field observe and record existing above ground man-made and natural features within the subject corridor.**

Surveyor I  
1 hours @ \$140.00/hr.....\$ 140.00  
Surveyor II  
4 hours @ \$120.00/hr .....\$ 480.00  
3-Man Survey Crew  
24 hours @ \$150.00/hr.....\$ 3,600.00  
Total II.....\$ 4,220.00

**III. Data reduction/drafting of Topographic Route Survey maps in AutoCAD format**

Surveyor I  
1 hours @ \$140.00/hr .....\$ 140.00  
Surveyor II  
3 hours @ \$120.00/hr .....\$ 360.00  
GIS/CAD Technician II  
24 hours @ \$90.00/hr.....\$ 2,160.00  
Secretary/Word Processor  
2 hours @ \$45.00/hr.....\$ 90.00  
Total III.....\$ 2,750.00

**TOTAL I – III.....\$ 7,950.00 Lump Sum Fee**

**INDIAN RIVER COUNTY  
PROFESSIONAL SURVEYING AND MAPPING  
CONTRACT 1605 – OCTOBER 1, 2016 – SEPTEMBER 30, 2018  
FEE SCHEDULE**

**OFFICE:**

Surveyor (Principal)	\$150.00
Surveyor I	\$140.00
Surveyor II	\$120.00
Surveyor III (SIT)	\$110.00
CAD/GIS Tech I	\$105.00
CAD/GIS Tech II	\$ 90.00
CAD/GIS Tech III	\$ 85.00
CAD/GIS Tech IV	\$ 75.00
Administrative Staff	\$ 45.00

**FIELD:**

4 Man Survey Crew	\$175.00
3-Man Survey Crew	\$150.00
2-Man Survey Crew	\$135.00
1-Man Survey Crew	\$110.00

**SPECIALIZED EQUIPMENT:**

Leica HD P40 Scanner	\$175.00/Hour
Aluminum Boat	\$500.00/Day
All-Terrain Vehicle (ATV)/Trailer	\$250.00/Day
	\$1,000.00/Week

**ANTICIPATED REIMBURSABLE EXPENSES:**

Postage, Express Mail, etc.	Cost
Blueprints/Blackline (24" x 36")	\$2.00/Each
Color Prints (24"x36)	\$5.00/Each
Mileage	IRS Standard Rate
Mylar	\$7.00/Each
Photocopies:	
8.5" x 11"	15¢/Each
8.5" x 14"	25¢/Each
11" x 17"	35¢/Each
Concrete Monuments	\$20.00/Each
Rebar	\$ 2.50/Each
Laths	\$ 0.75/Each
Hubs	\$ 1.00/Each

**Sub-Consultants**

Cost + 10%