

**PROPOSAL TO PROVIDE
PROFESSIONAL ENGINEERING SERVICES
for
INDIAN RIVER COUNTY PARKS & CONSERVATION RESOURCES
JONES' PIER CONSERVATION AREA PROJECT
CONSTRUCTION ADMINISTRATION SERVICES**

SECTION 1: SCOPE OF SERVICES

The following scope of services is based on a construction duration of six months (i.e. ending July 31, 2020). Construction beyond this period may require additional fees.

TASK 1 –ADMINISTRATIVE TASKS

- Attend pre-construction meeting with the contractor and Indian River County representative(s).
- Attend weekly progress meetings for the duration of construction. (Construction duration estimated at 6 months from Notice to Proceed issued to contractor - i.e. approximately 26 meetings assumed).
- Review contractor's preliminary schedule at first weekly meeting. Monitor construction progress and coordinate with contractor to provide schedule updates for duration of construction. Provide schedule updates to Indian River County.
- Coordinate with other design consultants (MBV, Dansco, Donadio) for required inspections or plan clarifications.
- Respond to contractor Request for Information (RFI's) and provide construction clarifications as needed.
- Review contractor's submittals and shop drawings and make recommendations.
- Review density tests and geotechnical reports.
- Consult with Indian River County for any change order requests.
- Review Pay Requests from the contractor and submit to the Indian River County following approval.

TASK 2 –SITE INSPECTIONS

- Provide silt fence and erosion control device inspection.
- Coordinate with contractor for MOT plan during Jungle Trail closing.
- Conduct regular periodic construction observations/inspections (average 3 site inspections per week) to verify that the construction is proceeding in accordance with the plans and specifications.
- Attend milestone inspections including pump station start-up, water main pressure tests, etc.

TASK 3 –PROJECT CLOSEOUT

- Conduct final inspection(s) and prepare punch list of work deficiencies.
- Review as-built survey (to be provided by contractor) for compliance with approved plans.
- Review phase 1 final certifications to Indian River County, St. Johns River Water Management District, etc. (Note: Phase 2 certifications are included in construction services approved with previous purchase order #82250-00)

SECTION 2: ENGINEERING SCOPE ASSUMPTIONS:

In developing this Scope of Services, ENGINEER represents to the INDIAN RIVER COUNTY that the following assumptions have been made and that deviation from these assumptions may require additional work and compensation on behalf of INDIAN RIVER COUNTY to the ENGINEER.

1. This proposal specifically excludes all application and/or impact fees, which shall be the responsibility of INDIAN RIVER COUNTY.
2. Building inspections related to the restroom/pavilion or any other building structure is not included and assumed to be the responsibility of the ARCHITECT.
3. Construction stakeout and as-builts are not included with this proposal.

SECTION 3: COMPENSATION

The proposed scope of services will be provided on a NOT TO EXCEED basis and invoiced monthly based on work performed to date for each task.

Task 1 –Administrative Tasks	\$15,295.00.
Task 2 – Site Inspections	\$12,880.00.
Task 3 – Project Closeout	\$2,160.00.
TOTAL	\$30,335.00.

CARTER ASSOCIATES, INC.

JANUARY 2020

FEE SCHEDULE

<u>Staff Type:</u>	<u>Hourly Rates</u>
Engineer (Principal)	\$165.00
Engineer I	\$140.00
Engineer II	\$125.00
Engineer III	\$115.00
Engineer IV	\$105.00
Engineer V	\$ 95.00
Surveyor (Principal)	\$165.00
Surveyor (Sr. Consultant)	\$140.00
Surveyor I	\$140.00
Surveyor II	\$125.00
Surveyor III	\$105.00
CAD/GIS Tech I	\$115.00
CAD/GIS Tech II	\$110.00
CAD/GIS Tech III	\$105.00
CAD/GIS Tech IV	\$ 95.00
CAD/GIS Tech V	\$ 85.00
Administrative Staff	\$ 60.00
Expert Witness	\$300.00
4 Man Survey Crew	\$175.00
3-Man Survey Crew	\$150.00
2-Man Survey Crew	\$135.00
1-Man Survey Crew	\$110.00
Inspector	\$ 65.00
<u>SPECIALIZED EQUIPMENT:</u>	
Leica HD P40 Scanner	\$175.00/Hour
Aluminum Boat	\$500.00/Day
All-Terrain Vehicle (ATV)/Trailer	\$250.00/Day
	\$1,000.00/Week
<u>REIMBURSABLE EXPENSES:</u>	
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
<u>Sub-Consultants</u>	
Cost + 10%	

Note: These hourly billing rates will remain effective for the duration of this Agreement

Jones Pier Conservation Area
Manhour Breakdown
2/7/2020

TASK	HOURS			
	Principal	Engineer I	Inspector	
I) Administrative Tasks				
1 Pre Construction Meeting	2	2		
2 Weekly Progress Meetings (1 Weekly / 6 Mo. Duration - 26 Meetings)	13	13		
3 Review Contractor's Schedule Updates	16			
4 Coordination with Outside Design Consultants	8			
5 Respond to Contractor RFI's and provide Clarifications	2	8		
6 Shop Drawing Review	2	8		
7 Geotechnical Report Review	4			
8 Consultation with IRC and Processing Change Order Requests as Necessary	4	4		
9 Review Pay Requests and Submit to IRC once approved.	12			
Total Hours	63	35	0	
Hourly Rate	\$165/HR	\$140/HR	\$65/HR	
Total Cost	\$10,395	\$4,900	\$0	\$15,295
II) Site Inspections				
10 Silt Fencing Inspection			4	
11 MOT Plan Inspection During Jungle Trail Closing			4	
12 Construction Oversight - Average of 3 site inspections / Week			156	
13 Pump Material and Installation Inspections.		4		
14 Pump Electrical Controls Installations		4		
15 Pipe Material and Installation Inspections		4		
16 Water Connection and Pressure Test Observations		1	2	
17 Sewer Connection and Testing Observations		1	2	
Total Hours	0	14	168	
Hourly Rate	\$165/HR	\$140/HR	\$65/HR	
Total Cost	\$0	\$1,960	\$10,920	\$12,880
III) Project Closeout				
18 Conduct Final Inspections and Prepare Punch-List	4	4		
19 Review of As-built Survey for Compliance with Plans	2	2		
20 Review Phase 1 Final Certification to IRC	1			
21 Review Phase 1 Final Certification to SJRWMD	1			
Total Hours	8	6	0	
Hourly Rate	\$165/HR	\$140/HR	\$65/HR	
Total Cost	\$1,320	\$840	\$0	\$2,160
				\$30,335