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August 3, 2021

Mr. Eric Charest
Indian River County
Public Works - Coastal Division
1801 27th St, Building A
Vero Beach, FL 32960

**Subject: Indian River County, FL
Sector 3 – 2018006 – Work Order #11
Phase II Pre-construction Services**

Dear Eric:

This proposal outlines a scope of work for Aptim Environmental & Infrastructure, LLC (APTIM), to provide professional services to Indian River County (the County) in support of the Sector 3 Beach and Dune Restoration Project. The scope of work described herein is to support the County in performing preconstruction services for the commencement of Phase II of the Sector 3 project including design updates and late season sea turtle monitoring.

The tasks to perform this work are listed below and described on the following pages. A breakdown of the hours and expenses to develop the cost is attached. The scope and fee proposal were developed following the provisions of the Professional Services Agreement between Indian River County and APTIM, dated January 9, 2018, to provide engineering and biological support services in support of the Sector 3 (Wabasso Beach) Beach and Dune Restoration Project (RFQ#2018006).

Task 1: Design Update

The summer 2021 routine semi-annual survey of the project area conducted by the County will be used by APTIM to calculate an update to the required fill volume. The updated fill volume will likely differ from the bid volume due to natural changes in the beach profile since the design survey. APTIM will discuss the updated fill volume with the County and revise the construction template to align with the permit conditions. The County will be copied on correspondence regarding the design update.

Deliverable

APTIM will distribute the revised template in PDF format to the project team. Updated construction plans and cross-sections will be provided.

Schedule

The schedule of task specific deliverables is provided in the Scope of Work for this task. APTIM will attempt to execute each phase of the work in as expeditious a manner as possible.

Cost

The lump sum cost for this task is \$8,410.00.

Task 2: Bidding Assistance

APTIM will assist the County with the solicitation and award of the project. APTIM will prepare for and attend a pre-bid meeting at the County's offices to describe the project and answer technical questions for potential bidders. APTIM will respond to questions submitted by potential bidders via an addendum. APTIM will review the bid packages for completeness. Based on the bid packages, APTIM will assess the capability of the bidder to complete the work in a timely fashion; assess the capability of the bidder to perform the work within their bid amount; and assess the capability of the bidder to perform the work in compliance with permit conditions, plans, and specifications. Following this review, APTIM will provide the County a letter of recommendation, via email, as to whether the low bidder is sufficiently responsive and capable to perform the work as required. This letter will be provided within 10 days of the bid submittals.

Deliverable

APTIM will assist with preparation of addendum, meeting minutes, and provide letter of recommendation for the selected contractor.

Schedule

The schedule of task specific deliverables is provided in the Scope of Work for this task. APTIM will attempt to execute each phase of the work in as expeditious a manner as possible.

Cost

The lump sum cost for this task is \$4,430.00.

Task 3: Pre-Construction Meetings and Submittals

APTIM will prepare the request for Notice to Proceed from the FDEP for Phase II of the project. The request will include the documents listed in the forthcoming permit. Based on previous permits issued to the County, anticipated documents include Plans and Specifications; Turbidity Monitoring Qualifications; and Biological Monitoring Qualifications; and Sea Turtle Nesting Plan. APTIM will upload the submittal to FDEP's JCP Compliance file transfer site. APTIM will prepare for, attend, and lead a pre-construction meeting with the permitting agencies and the County's Contractor at the County's offices. Following the meeting with the agencies, the County, APTIM and the Contractor will meet to discuss other aspects of the project. APTIM will take notes from the meetings and distribute meeting minutes.

Deliverable

APTIM will provide meeting minutes from the pre-construction meeting. APTIM will also send the Commencement Notification letters to the FDEP and USACE after corresponding with the Contractor regarding their schedule to begin construction.

Schedule

The schedule of task specific deliverables is provided in the Scope of Work for this task. An overall fixed schedule cannot be developed as the Contractor's schedule is unknown. APTIM will attempt to execute each phase of the work in as expeditious a manner as possible.

Cost

The lump sum cost for this task is \$4,210.00.

Task 4: Late Season Sea Turtle Monitoring

APTIM will oversee the scope of work proposed by EAI and provide the necessary administrative coordination to the County. EAI has provided the enclosed proposal and cost breakdown for sea turtle and shorebird monitoring tasks, which states:

Construction-phase sea turtle monitoring and ancillary professional services in support of the Sector 3 Beach and Dune Nourishment project. This scope of work was developed based on conditions and requirements set forth in standard regulatory permits and the following documents:

- *Florida Department of Environmental Protection (FDEP) Joint Coastal Permit (JCP) No. 0285993-009-JC*
- *U.S. Fish and Wildlife Service (USFWS) Revised Statewide Programmatic Biological Opinion (BO) dated March 13, 2015*

The following tasks will be performed under this work order include:

- *Task 1: Late season nest relocations*
- *Task 2: Late season nest monitoring surveys*
- *Task 3: FDEP permit required sea turtle monitoring Excel spreadsheet*

Cost

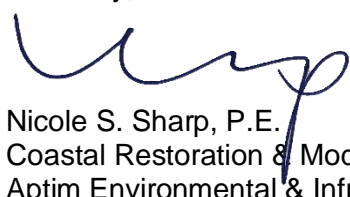
The lump sum cost for this task is \$13,556.55.

Summary

The total lump sum cost to perform the proposed work described herein for – Work Order #11 is \$30,606.55. Please refer to Exhibit 2, attached to the end of this proposal, for a summary of the costs and labor hours of each Task. APTIM will proceed with the tasks upon receipt of a signed work order from Indian River County (unless stated otherwise in the schedule). It is noted that some aspects of this Work Order are dependent upon Contractor performance and are outside the control of APTIM and the County. As such, the scope, schedule and cost described herein is provided as an estimate. APTIM will strive to execute each phase of the work within budget and in as expeditious a manner according to construction progress. We will coordinate with the County in the event that the scope, schedule, or budget arise due to unforeseen issues or circumstances.

Thank you for the opportunity to serve Indian River County. We look forward to continuing to provide expert professional services to the County. Please do not hesitate to call if you have any questions.

Sincerely,



Nicole S. Sharp, P.E.
Coastal Restoration & Modeling Program Manager
Aptim Environmental & Infrastructure, LLC

Client Authorized Signature

Printed Name

Title

EXHIBIT 2

**Indian River County, FL
Sector 3 - 2018006 - Work Order #11
Phase II Pre-construction Services**

Summary of Cost by Task

Task Number	Task Name	Labor	Subcontractors	Equipment	Materials	Other ODCs	Mobilization/ Demob	Totals
Task 1	Design Update	\$ 8,410.00	\$ -	\$ -	\$ -	\$ -		\$ 8,410.00
Task 2	Bidding Assistance	\$ 4,430.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,430.00
Task 3	Pre-construction Meeting & Submittals	\$ 4,210.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,210.00
Task 4	Late Season Sea Turtle Monitoring	\$ -	\$ 13,556.55	\$ -	\$ -	\$ -		\$ 13,556.55
Totals =		\$ 17,050.00	\$ 13,556.55	\$ -	\$ -	\$ -	\$ -	\$ 30,606.55

Submitted By: Nicole Sharp
 Submitted To: Indian River County, FL
 Submission Date: _____

Summary of Labor Hours and Cost

Labor Title	Labor Bill Rate	Design Update		Bidding Assistance		Pre-construction Meeting & Submittals		Late Season Sea Turtle Monitoring		Totals	
		Task 1		Task 2		Task 3		Task 4			
		Labor Hours	Cost	Labor Hours	Cost	Labor Hours	Cost	Labor Hours	Cost	Labor Hours	Cost
Principal Engineer/Sr Proj Mngr	\$ 250.00		\$ -		\$ -		\$ -		\$ -		\$ -
Expert Witness (Testimony)	\$ 300.00		\$ -		\$ -		\$ -		\$ -		\$ -
Program Manager	\$ 190.00	10	\$ 1,900.00	20	\$ 3,800.00	16	\$ 3,040.00		\$ -	46	\$ 8,740.00
Sr Coastal Engineer/Proj Mngr	\$ 165.00		\$ -		\$ -		\$ -		\$ -		\$ -
Coastal Engineer III	\$ 150.00		\$ -		\$ -		\$ -		\$ -		\$ -
Coastal Engineer II	\$ 125.00		\$ -		\$ -		\$ -		\$ -		\$ -
Coastal Engineer I	\$ 105.00	32	\$ 3,360.00	6	\$ 630.00	6	\$ 630.00		\$ -	44	\$ 4,620.00
Coastal Modeler II	\$ 130.00		\$ -		\$ -		\$ -		\$ -		\$ -
Coastal Modeler I	\$ 110.00		\$ -		\$ -		\$ -		\$ -		\$ -
Professional Surveyor & Mapper	\$ 145.00		\$ -		\$ -		\$ -		\$ -		\$ -
Hydrographer	\$ 135.00		\$ -		\$ -		\$ -		\$ -		\$ -
Surveyor	\$ 95.00		\$ -		\$ -		\$ -		\$ -		\$ -
Survey Technician	\$ 80.00		\$ -		\$ -		\$ -		\$ -		\$ -
Senior Marine Biologist	\$ 135.00		\$ -		\$ -	4	\$ 540.00		\$ -		\$ 540.00
Marine Biologist II	\$ 95.00		\$ -		\$ -		\$ -		\$ -		\$ -
Marine Biologist I	\$ 72.00		\$ -		\$ -		\$ -		\$ -		\$ -
Professional Geologist	\$ 150.00		\$ -		\$ -		\$ -		\$ -		\$ -
Geologist III	\$ 130.00		\$ -		\$ -		\$ -		\$ -		\$ -
Geologist II	\$ 95.00		\$ -		\$ -		\$ -		\$ -		\$ -
Geologist I	\$ 80.00		\$ -		\$ -		\$ -		\$ -		\$ -
Senior CAD Operator	\$ 140.00		\$ -		\$ -		\$ -		\$ -		\$ -
CAD Operator	\$ 105.00	30	\$ 3,150.00		\$ -		\$ -		\$ -	30	\$ 3,150.00
GIS Operator	\$ 105.00		\$ -		\$ -		\$ -		\$ -		\$ -
Boat Captain	\$ 80.00		\$ -		\$ -		\$ -		\$ -		\$ -
Bookkeeper	\$ 80.00		\$ -		\$ -		\$ -		\$ -		\$ -
Clerical	\$ 71.00		\$ -		\$ -		\$ -		\$ -		\$ -
Technician	\$ 60.00		\$ -		\$ -		\$ -		\$ -		\$ -
Subcontractors	-	-	\$ -	-	\$ -	-	\$ -	-	\$ 13,556.55	-	\$ 13,556.55
Equipment	-	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -
Materials	-	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -
Other ODCs	-	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -
Mobilization/Demob	-	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -
TOTAL		72	\$ 8,410.00	26	\$ 4,430.00	26	\$ 4,210.00	-	\$ 13,556.55	120	\$ 30,606.55