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July 30, 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 #10  
Phase I 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 recommencement of Phase I 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.

#### *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 \$4,040.00.

## Task 2: Recommencement Coordination

APTIM will coordinate with the Contractor for remobilization and completion of Phase I of the Sector 3 Project. The County, APTIM and the Contractor will participate in a meeting to discuss the schedule, remobilization, and other aspects of the project. APTIM will coordinate with the FDEP and USACE after corresponding with the Contractor regarding their schedule to recommence construction. Notices will be sent to both agencies to inform them as to the status of the project.

### *Deliverable*

APTIM will also send the recommencement notifications to the FDEP and USACE after corresponding with the Contractor regarding their schedule to begin construction. The County will be informed and/or copied on correspondence regarding this task.

### *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 \$2,490.00.

## Task 3: 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 \$4,059.30.

## Summary

The total lump sum cost to perform the proposed work described herein for Sector 3 – 2018006 – Work Order #10 is \$10,589.30. 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,

A handwritten signature in blue ink, appearing to read 'Nicole S. Sharp'.

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

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Client Authorized Signature

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Printed Name

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Title

**EXHIBIT 2**

**Indian River County, FL  
Sector 3 - 2018006 - Work Order #10  
Phase I 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	\$ 4,040.00	\$ -	\$ -	\$ -	\$ -		\$ 4,040.00
Task 2	Recommencement Coordination	\$ 2,490.00	\$ -	\$ -	\$ -	\$ -		\$ 2,490.00
Task 3	Late Season Sea Turtle Monitoring	\$ -	\$ 4,059.30	\$ -	\$ -	\$ -		\$ 4,059.30
<b>Totals =</b>		<b>\$ 6,530.00</b>	<b>\$ 4,059.30</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 10,589.30</b>

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		Recommencement Coordination		Late Season Sea Turtle Monitoring		Totals		
		Task 1		Task 2		Task 3		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	8	\$ 1,520.00	12	\$ 2,280.00		\$ -	20	\$ 3,800.00	
Sr Coastal Engineer/Proj Mngr	\$ 165.00		\$ -		\$ -		\$ -		\$ -	
Coastal Engineer III	\$ 150.00		\$ -		\$ -		\$ -		\$ -	
Coastal Engineer II	\$ 125.00		\$ -		\$ -		\$ -		\$ -	
Coastal Engineer I	\$ 105.00	24	\$ 2,520.00	2	\$ 210.00		\$ -	26	\$ 2,730.00	
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		\$ -		\$ -		\$ -		\$ -	
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		\$ -		\$ -		\$ -		\$ -	
GIS Operator	\$ 105.00		\$ -		\$ -		\$ -		\$ -	
Boat Captain	\$ 80.00		\$ -		\$ -		\$ -		\$ -	
Bookkeeper	\$ 80.00		\$ -		\$ -		\$ -		\$ -	
Clerical	\$ 71.00		\$ -		\$ -		\$ -		\$ -	
Technician	\$ 60.00		\$ -		\$ -		\$ -		\$ -	
Subcontractors	-		\$ -		\$ -		\$ 4,059		\$ 4,059.30	
Equipment	-		\$ -		\$ -		\$ -		\$ -	
Materials	-		\$ -		\$ -		\$ -		\$ -	
Other ODCs	-		\$ -		\$ -		\$ -		\$ -	
Mobilization/Demob	-		\$ -		\$ -		\$ -		\$ -	
<b>TOTAL</b>			<b>32</b>	<b>\$ 4,040.00</b>	<b>14</b>	<b>\$ 2,490.00</b>	<b>4,059</b>	<b>\$ -</b>	<b>46</b>	<b>\$ 10,589.30</b>