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July 25, 2023

Revised August 8, 2023

Eric Charest
Natural Resources Manager
Indian River County Public Works Coastal Division
1801 27th Street, Vero Beach, FL 32960

**Subject: Indian River County, FL
Sector 3 – 2018006 – Amendment #1 to Work Order #14
2023 Post-Construction Environmental Monitoring**

Dear Eric:

This amendment request is submitted for Aptim Environmental & Infrastructure, LLC (APTIM), to provide additional professional services to Indian River County (the County) in support of the Sector 3 Beach and Dune Renourishment Project. APTIM's approved subconsultant, Ecological Associates, Inc. (EAI), has documented a record number of sea turtle nests along the Sector 3 project areas to date and are on track to exceed the allotted funds for nest marking and monitoring. This amendment requests to increase the funds under Task 1B and Task 2B to account for the estimated nest marking and monitoring activities for the remainder of the 2023 monitoring season.

The additional scope of work to support the County includes the following items:

1. Phase 1 – Post-Construction Environmental Monitoring (R-20 to R-40)
 - 1B. Sea Turtle Monitoring
 - Increase the number of marked nests by 150 nests to a total of 540 nests
 - Project and contract management
 - The lump sum cost of this task is \$11,609.93
2. Phase 2 – Post-Construction Environmental Monitoring (R-40 to R-55)
 - 2B. Sea Turtle and Shorebird Monitoring
 - Increase the number of marked nests by 200 nests to a total of 590 nests
 - Project and contract management
 - The lump sum cost of this task is \$15,189.90

A breakdown of the hours and expenses to develop the cost is provided on the following page and EAI's cost breakdown for sea turtle monitoring tasks is provided as Attachment 1. The scope and fee were developed following the provisions of the Professional Services Agreement between the County and APTIM, dated January 9, 2018, to provide engineering and biological support services for the Sector 3 (Wabasso Beach) Beach and Dune Renourishment Project (RFQ#2018006).

Summary

The total lump sum cost to perform the proposed work described herein for Sector 3 – 2018006 – Amendment #1 to Work Order #14 is \$26,799.83. Thank you for the opportunity to serve Indian River County. As always, please do not hesitate to call if you have any questions.

Sincerely,



Katy Brown
Lead Marine Biologist
Aptim Environmental & Infrastructure, LLC

cc: Nicole S. Sharp, P.E., APTIM
Debra Neese, APTIM



Authorized Corporate Signature

Nicole S. Sharp P.E.

Printed Name

Coastal Restoration & Modeling Program Manager

Title

Indian River County, Florida
Sector 3 - 2018006 - Work Order #14
2023 Nearshore Hardbottom Biological Monitoring and Sea Turtle Monitoring
Amendment #1 Revised
Summary of Cost by Task

Task Number	Task Name	Labor	Equipment	Materials	Mobilization	Subcontractors	Total
Task 1A	Phase 1 Nearshore Hardbottom Biological Monitoring	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Task 1B	Phase 1 Sea Turtle Monitoring	\$ 870.00				\$ 10,739.93	\$ 11,609.93
Task 2A	Phase 2 Nearshore Hardbottom Biological Monitoring	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Task 2B	Phase 2 Sea Turtle Monitoring	\$ 870.00				\$ 14,319.90	\$ 15,189.90
Totals =		\$ 1,740.00	\$ -	\$ -	\$ -	\$ 25,059.83	\$ 26,799.83

Indian River County, Florida
Sector 3 - 2018006 - Work Order #14
2023 Nearshore Hardbottom Biological Monitoring and Sea Turtle Monitoring
Amendment #1 Revised
Summary of Labor Hours and Cost

Labor Title	Labor Bill Rate	Phase 1 Nearshore HB Monitoring		Phase 1 Sea Turtle Monitoring		Phase 2 Nearshore HB Monitoring		Phase 2 Sea Turtle Monitoring		Totals	
		Task 1A		Task 1B		Task 2A		Task 2B		Labor Hours	Cost
		Labor Hours	Cost	Labor Hours	Cost	Labor Hours	Cost	Labor Hours	Cost		
Principal Engineer/Sr Proj Mngr	\$ 250.00	-	\$ -	-		0	\$ -	-	\$ -	-	\$ -
Sr Coastal Engineer/Proj Mngr	\$ 165.00	-	\$ -	2	\$ 330.00	0	\$ -	2	\$ 330.00	4	\$ 660.00
Senior Marine Biologist	\$ 135.00	-	\$ -	4	\$ 540.00	0	\$ -	4	\$ 540.00	8	\$ 1,080.00
Marine Biologist II	\$ 95.00	-	\$ -	-		0	\$ -	-	\$ -	-	\$ -
Senior CAD Operator	\$ 140.00	-	\$ -	-		0	\$ -	-	\$ -	-	\$ -
GIS Operator	\$ 105.00	-	\$ -	-		0	\$ -	-	\$ -	-	\$ -
Boat Captain	\$ 80.00	-	\$ -	-		0	\$ -	-	\$ -	-	\$ -
Bookkeeper	\$ 80.00	-	\$ -	-		0	\$ -	-	\$ -	-	\$ -
Clerical	\$ 71.00	-	\$ -	-		0	\$ -	-	\$ -	-	\$ -
Subcontractors	-	-	\$ -	-	\$ 10,739.93	-	\$ -	-	\$ 14,319.90	-	\$ 25,059.83
Equipment	-	-	\$ -	-		-	\$ -	-	\$ -	-	\$ -
Materials	-	-	\$ -	-		-	\$ -	-	\$ -	-	\$ -
Mobilization/Other ODCs	-	-	\$ -	-		-	\$ -	-	\$ -	-	\$ -
TOTAL	-	-	\$ -	-	\$ 11,609.93	-	\$ -	6	\$ 15,189.90	6	\$ 26,799.83



ATTACHMENT 1

EAI COST BREAKDOWN

Description of Itemized Changes
Sector 3 Phase 1 Post-construction Sea Turtle Monitoring Program 2023
Ecological Associates, Inc.
O.S. No. 219972 (Project/Tasking No. 631029936)

Item No.	Description	Unit	Quantity	Unit Price	Price Increase
4	Nest marking and Monitoring	ea	150	\$ 68.19	\$ 10,228.50

Sector 3 Phase 1 Sea Turtle Monitoring Program 2023	Total	\$ 10,228.50
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Description of Itemized Changes
Sector 3 Phase 2 Post-construction Sea Turtle Monitoring Program 2023
Ecological Associates, Inc.
O.S. No. 219972 (Project/Tasking No. 631029936)

Item No.	Description	Unit	Quantity	Unit Price	Price Increase
4	Nest marking and Monitoring	ea	200	\$ 68.19	\$ 13,638.00

Sector 3 Phase 2 Sea Turtle Monitoring Program 2023 **Total \$ 13,638.00**