TASK ORDER

TASK ORDER: 1542-09 CONSULTANT: Aptim Environmental & Infrastructure, LLC

ACCOUNT: 3652-381-M046-3120-S017-CSLW-023 CONTRACT: R2019-1542

[Fiscal approval of Budget Availability: S. Neary 8/9/21]

PROJECT MANAGER: Tracy Logue PHONE: 561-233-2491

CONTRACT MANAGER: Juan Cueto PHONE: 561-233-2431

PROJECT NAME: South Lake Worth Inlet Maintenance Dredging Continuing Support

LOCATION/DISTRICT #: SLWI / District 4

TASK DESCRIPTION (use additional pages if necessary): The Consultant shall provide professional services to design and permit the SLWI Maintenance Dredging Project, as described in the attached Aptim proposal revised August 5, 2021. *Execution of Tasks 1-4 will require written Notice to Proceed from the County.*

DELIVERABLES: See attached proposal revised August 5, 2021.

TASK ORDER TYPE: NOT-TO-EXCEED DUE DATE: 2/22/2022

TOTAL AMOUNT $92,344.19

(Check where appropriate)
for Contract and Subcontract Amounts:

		Black	Hispanic	Women	Other (specify)	White Male
M/WBE(State)	☐	$	$	$	$	
SBE-M/WBE*	☐	$	$	$	$	
SBE	☒	$	$	$	$	$42,794.25

*certified as both an SBE and a State MBE

CUMULATIVE CONTRACT SBE-M/WBE PARTICIPATION: 64.0%

CONSULTANT REP: _____ DATE: 08/06/2021
Jeffrey Andrews, Vice President

ERM DIRECTOR: _____ DATE: 8-9-2021
Deborah Drum

CONTRACT REVIEW COMMITTEE: _____ DATE: 8/11/21
Irwin Jacobowitz, Director

APPROVED BY THE CONTRACT REVIEW COMMITTEE

c: Holly Knight, P.E.
Roadway Production

OEBO SCHEDULE 1

LIST OF PROPOSED CONTRACTOR/CONSULTANT AND SUBCONTRACTOR/SUBCONSULTANT PARTICIPATION

SOLICITATION/PROJECT/BID NAME: SLWI Maintenance Dredging - Continuing Support

SOLICITATION/PROJECT/BID No.: Task Order No. 1542-09

NAME OF PRIME RESPONDENT/BIDDER: Aptim Environmental & Infrastructure

ADDRESS: 6401 Congress Avenue, Suite 140, Boca Raton, FL 33431

CONTACT PERSON: Katy Brown

PHONE NO.: 561-361-3181 E-MAIL: kathryn.brown@aptim.com

SOLICITATION OPENING/SUBMITTAL DATE: _____

DEPARTMENT: Environmental Resources Management

PLEASE LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED THE PRIME CONTRACTOR/CONSULTANT ON THIS PROJECT. PLEASE ALSO LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY ALL SUBCONTRACTORS /SUBCONSULTANTS ON THE PROJECT.

	Name, Address and Phone Number	(Check all Applicable Categories) Non-SBE	M/WBE Minority/Women Business	SBE Small Business	DOLLAR AMOUNT OR PERCENTAGE OF WORK Black	Hispanic	Women	Caucasian	Other (Please Specify)
1	Aptim Environmental & Infrastructure, LLC	☑	☐	☐				$49,549.94	
2.	Coastal Protection Engineering, LLC	☐	☐	☑				$42,794.25	
3.		☐	☐	☐					
4.		☐	☐	☐					
5.		☐	☐	☐					
	Total							$92,344.19	

(Please use additional sheets if necessary)

Total Bid Price $ $92,344.19

Total SBE - M/WBE Participation $42,794.25

Note:

1. The amount listed on this form for a Subcontractor/subconsultant must be supported by price or percentage listed on the properly executed Schedule 2 or attached signed proposal.
2. Firms may be certified by Palm Beach County as an SBE and/or and M/WBE. If firms are certified as both an SBE and/or M/WBE, please indicate the dollar amount under the appropriate category.
3. Modification of this form is not permitted and will be rejected upon submittal.

OEBO LETTER OF INTENT – SCHEDULE 2

A completed Schedule 2 is a binding document between the Prime Contractor/consultant and a Subcontractor/subconsultant (for any tier) and should be treated as such. The Schedule 2 shall contain bolded language indicating that by signing the Schedule 2, both parties recognize this Schedule as a binding document. All Subcontractors/subconsultants, including any tiered Subcontractors/subconsultants, must properly execute this document. Each properly executed Schedule 2 must be submitted with the bid/proposal.

SOLICITATION/PROJECT NUMBER: Task Order #1542-09

SOLICITATION/PROJECT NAME: SLWI Maintenance Dredging - Continuing Support

Prime Contractor: Aptim Environmental & Infrastructure, LLC Subcontractor: Coastal Protection Engineering LLC

(Check box(s) that apply)

☑ SBE ☐ WBE ☐ MBE ☐ M/WBE ☐ Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 11/6/2020

The undersigned affirms they are the following (select one from each column if applicable):

Column 1	Column 2			Column 3
☑ Male ☐ Female	☐ African-American/Black	☐ Asian American	☑ Caucasian American	☐ Supplier
	☐ Hispanic American	☐ Native American		

S/M/WBE PARTICIPATION – S/M/WBE Primes must document all work to be performed by their own work force on this form. Failure to submit a properly executed Schedule 2 for any S/M/WBE participation may result in that participation not being counted. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. S/M/WBE credit will only be given for the areas in which the S/M/WBE is certified. A detailed proposal may be attached to a properly executed Schedule 2.

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
	Engineering and benthic survey services				$42,794.25

The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: $42,794.25

If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2.

Name of 2nd/3rd tier Subcontractor/subconsultant

Price or Percentage:

Aptim Environmental & Infrastructure, LLC
Print Name of Prime

By: [signature]
Authorized Signature

Jeffrey L. Andrews
Print Name

Director
Title

Date: 8/6/2021

Coastal Protection Engineering LLC
Print Name of Subcontractor/subconsultant

By: [signature]
Authorized Signature

Thomas Pierro
Print Name

Principal Engineer/AMBR
Title

Date: 8/6/2021

APTIM

Aptim Environmental & Infrastructure, LLC
6401 Congress Ave, Suite 140
Boca Raton, FL 33487
Tel: +1 561 391 8102
Fax: +1 561 391 9116
www.aptim.com

August 5, 2021 (*revised*)

Tracy Logue
Palm Beach County
Environmental Resources Management
Coastal Resources Management Section
2300 North Jog Road, 4th Floor
West Palm Beach, FL 33411-2743

Subject: **Proposal for Coastal & Marine Engineering Professional Services South Lake Worth Inlet (SLWI) Maintenance Dredging Project - Continuing Support**

Dear Tracy:

This proposal is in response to Palm Beach County's (County) request for Aptim Environmental & Infrastructure, LLC (APTIM) and Coastal Protection Engineering, LLC (CPE), a County certified Small Business Enterprise (SBE Vendor #VS0000014339), to support the County in continued efforts to design and permit the South Lake Worth Inlet Maintenance Dredging Project. The tasks outlined in this scope are supplemental to those of Task Order No. 1523-10. The services proposed herein will be performed in accordance with this proposal and the Professional Services Agreement R2019-1542 between Palm Beach County and Aptim Environmental & Infrastructure, LLC for Coastal and Marine Engineering Annual Services executed October 8, 2019.

The proposed project includes several components that were not previously authorized under state and federal permits and require additional coordination beyond our original scope to support revised project design and agency requests for additional information. This proposal includes:

1. Oyer Park Boat Channel Expansion Area submerged aquatic vegetation (SAV) survey and sediment grab samples
2. Oyer Park Boat Channel mitigation site investigation
3. Sand trap investigation for hardbottom and SAV
4. Continued state and federal permitting

Scope of Work:

Task 1 – Oyer Park Boat Channel Expansion Area SAV Survey and Sediment Grab Samples in the Expansion Areas for Permitting

APTIM and CPE will coordinate with FDEP and USACE to develop a benthic survey approach to assess the Oyer Park boat channel expansion area. The intent of this survey is to determine the extent, distribution, and composition of SAV resources that will be impacted due to dredging in the expanded dredge template. This data will be used during mitigation planning for use in a Uniform Mitigation Assessment Method (UMAM) evaluation. We will conduct the field survey within the dredge template plus 150-m mixing zone during the growing season between June 1 and September 30. The edge of each SAV patch within the survey area will be delineated.

Within the expanded dredge template, a visual and quantitative assessment of the SAV will be conducted within the seagrass beds/patches. The visual assessment will document functional

indicators, such as location and landscape support, water environment, and community structure. The quantitative assessment will be collected using 1-m^2 quadrats to report cover-abundance. Quadrats will be placed every 10 meters along east-west transects for the length of the expanded dredge template (~85 to 100 m in length); however, only vegetated areas shall be surveyed. The transects will be spaced 5 meters apart for a total of four (4) east-west transects.

Within the 150-m mixing zone located outside of the expanded dredge template, the community structure shall be qualitatively described to include species and approximate abundance, as well as notes on general condition of the vegetation. For this purpose, abundance should be noted as sparse (<25% cover), moderate (25-50% cover), or dense (50-100% cover). Site conditions, such as sediment type and water depth will be noted and landscape features within and adjacent to the site will be described.

Additionally, we will collect 4 grab samples within the dredge template expansion areas during this field effort for geotechnical analysis to characterize the expansion area sediment. Upon completion of field operations, grab samples will be transported to APTIM's CMEC accredited geotechnical laboratory in Boca Raton, FL for processing and analyses. The sediment samples will be analyzed to determine color, grain size distribution, and carbonate content. During sieve analysis, the wet, dry, and washed Munsell colors will be noted. Grain size will be determined through sieve analysis in accordance with ASTM Standard Materials Designation D6913-17 for particle size analysis of soils. This method covers the quantitative determination of the distribution of sand particles. Sediment finer than the No. 230 sieve (4.0 phi) will be analyzed following ASTM Standard Test Method, Designation D1140-17. Mechanical sieving will be accomplished using calibrated sieves with a gradation of half phi intervals. Additional sieves representing key ASTM sediment classification boundaries will be included to meet appropriate beach-compatible mineral characterization. Weights retained on each sieve are then recorded cumulatively. Grain size results will be entered into the gINT software program, which computes the mean and median grain size, sorting, and silt/clay percentages for each sample using the moment method. Grain size results will be displayed on the granularmetric reports, grain size distribution curves, and logs. Carbonate content will be determined by percent weight using the acid leaching methodology described by Twenhofel and Tyler (1941) and the testing procedures outlined within CPE-HAT-09. Results will be entered into the gINT software program and displayed on the granularmetric reports and grain size distribution curves.

It is anticipated this survey will take 2 field days to complete.

Deliverable: The final deliverable will include an observation report with map overlaid on recent aerial imagery with the benthic resources documented during the assessment. The report will include a qualitative description and quantitative analysis of the resources. Analysis of the sediment samples, including logs, granularmetric reports, and granularmetric curves will be included in the RAI responses.

Cost: The services in Task 1 will be provided on a time and materials basis not to exceed cost of $15,761.53 as detailed in the attached cost breakdown (Exhibit A) to be billed hourly.

Task 2 – Oyer Park Boat Channel Mitigation Site Investigation

APTIM and CPE will coordinate with the County to conduct a desktop analysis and identify potential areas for seagrass mitigation. APTIM and CPE will then conduct up to two field days for site investigations to document conditions at the proposed sites for potential use as a mitigation site to receive seagrass. Benthic resources and wildlife utilization observed during the

investigation will be documented.

Deliverable: The final deliverable will include an observation report with map overlaid on recent aerial imagery of the site conditions documented during the investigation. The deliverables for this task will also include digital shapefiles of areas deemed appropriate as potential mitigation sites

Cost: The services in Task 2 will be provided on a time and materials basis not to exceed cost of $15,255.47 as detailed in the attached cost breakdown (Exhibit A) to be billed hourly.

Task 3 – Sand Trap Expansion Area SAV Survey for Permitting and Investigation for Hardbottom Resources

APTIM and CPE will conduct a benthic survey for SAV and hardbottom resources to assess the area of the sand trap not authorized by USACE for dredging. The intent of the SAV survey is to determine the extent, distribution, and composition of SAV resources that will be impacted due to dredging the sand trap expansion area. This data will be used to support the existing mitigation previously approved by FDEP and will be valuable should USACE require additional mitigation planning and a Uniform Mitigation Assessment Method (UMAM) evaluation. We will also investigate for hardbottom resources within this same survey footprint using towed video and diver surveys.

This survey will be conducted during the growing season between June 1 and September 30. Towed video transects may be employed to identify areas with SAV in the expanded dredge template and the 150-m mixing zone. The edge of each submerged aquatic vegetation (SAV) patch identified within the survey area will be delineated.

Within the expanded dredge template, a visual and quantitative assessment of the SAV will be conducted within the seagrass beds/patches. The visual assessment will document functional indicators, such as location and landscape support, water environment, and community structure. The quantitative assessment will be collected using 1-m^2 quadrats to report cover-abundance. Quadrats will be placed every 10 meters along transects previously established in the FDEP Biological Monitoring Plan (Revised 8/6/2020). Each location will be classified using categories 1 through 5 of the Braun-Blanquet abundance scale (i.e., 1-5%, 5-25%, 25-50%, 50-75%, and >75%). Visual assessments of seagrass cover and condition will be conducted using a 1.0-m^2 quadrat. Also, to be included will be all observations of attached macroalgae (e.g., extent, species, density and distribution).

Within the 150-m mixing zone located outside of the sand trap dredge template, the community structure shall be qualitatively described to include species and approximate abundance, as well as notes on general condition of the vegetation. For this purpose, abundance should be noted as sparse (<25% cover), moderate (25-50% cover), or dense (50-100% cover). Site conditions, such as sediment type and water depth will be noted and landscape features within and adjacent to the site will be described.

Representative photographs shall be taken of each location where SAV resources are recorded. This approach will be coordinated with USACE to obtain their approval of the survey approach. It is anticipated this survey will take 4 field days to complete.

Deliverable: The final deliverable will include an observation report with map overlaid on recent aerial imagery with the benthic resources documented during the assessment. The report will include a qualitative description and quantitative analysis of the resources. The deliverables for this task will include digital shapefiles of any SAV and/or hardbottom resources documented during the survey.

Cost: The services in Task 3 will be provided on a time and materials basis not to exceed cost of $29,114.39 as detailed in the attached cost breakdown (Exhibit A) to be billed hourly.

Task 4 – Continued State and Federal Permitting

APTIM and CPE will provide continued permitting services to include the western expansion of the Oyer Park Boat Channel, expansion of the sand trap for federal authorization, and to support continued state and federal permitting. This effort will include support for engineering analysis and design, Endangered Species Act (ESA) Section 7 consultation, development of Mitigation Plans, and revision of the existing Biological Monitoring Plan.

ESA Section 7 Consultation. Due to previous documentation of federally listed seagrass species within the proposed dredge templates, ESA Section 7 consultation is required during the federal permitting process. The USACE has indicated that no programmatic biological opinions (BO) apply to this project and that individual consultation will be required. We will provide the results of the benthic resource investigations conducted during the 1-year post-construction monitoring of the sand trap (2016) and the benthic resource investigations conducted under Tasks 1 and 4. This task includes coordination with USACE to support ESA Section 7 consultation and response to one RAI from National Marine Fisheries Service (NMFS) and the U.S. Fish and Wildlife Service (USFWS).

Development of Mitigation Plans. Based on the benthic resources documented in the sand trap and the Oyer Park Boat Channel, the impact area and associated mitigation required to offset these impacts will be determined in coordination with FDEP and USACE. A Uniform Mitigation Assessment Method (UMAM) evaluation will be conducted and submitted for review by the County prior to submittal to each regulatory agency as needed. The Mitigation Plans will include a comprehensive presentation of the project including the goals and objectives, details of the impact and mitigation sites, construction schedules, monitoring requirement, performance standards, and management.

Biological Monitoring Plan revisions. The FDEP-approved Biological Monitoring Plan (BMP) updated in August 2020 may require revision to incorporate monitoring for secondary impacts adjacent to the Oyer Park Boat Channel Expansion Area. Monitoring may also be included to document recruitment and/or success of mitigation, if required. Additional revisions may be identified during agency coordination to align with the FDEP Guidance on Surveys for Potential Impacts to SAV and the Guidance on Surveys for SAV Compensatory Mitigation Projects. We will also request the removal of reference sites currently required in the BMP. These revisions may result in an increased effort for the pre-, during and post-construction monitoring within APTIM's task order 1523-10. If this is the case, an additional change order request will be submitted under separate cover.

Deliverable: The final deliverables under Task 4 include coordination with regulatory and resource agencies, support for ESA Section 7 consultation, mitigation plan development, and revisions to the 2020 Biological Monitoring Plan.

Cost: The services in Task 4 will be provided on a time and materials basis not to exceed cost of $32,212.80 as detailed in the attached cost breakdown (Exhibit A) to be billed hourly.

The work defined in the tasks above will begin upon the County's issuance of a Notice-to-Proceed. The services proposed herein will be performed in accordance with this proposal and the Professional Services Agreement R2019-1542 between Palm Beach County and Aptim

Environmental & Infrastructure, LLC for Coastal and Marine Engineering Annual Services executed October 8, 2019. No work will commence prior to receipt of a Task Order from the County.

Thank you for the opportunity to serve Palm Beach County. Please call any time if you have any questions.

Sincerely,

Beau Suthard, P.G.
Program Director
Aptim Environmental & Infrastructure, LLC

cc: Erica Carr-Betts, APTIM
Katy Brown, APTIM
Thomas Pierro, P.E., D.CE, CPE
Tara Brenner, P.E., P.G., CPE
Stacy Buck, CPE

APTIM

EXHIBIT A

FEE SCHEDULE

APTIM

EXHIBIT A

PALM BEACH COUNTY
SOUTH LAKE WORTH INLET MAINTENANCE DREDGING PROJECT

Prepared By: APTIM ENVIRONMENTAL & INFRASTRUCTURE, LLC

		TASKS	LABOR							EQUIPMENT						Subconsultant	TASK SUBTOTAL
			Marine Biologist (Hours)	Professional Geologist I (Hours)	Geologist I (Hours)	Boat Captain (Hours)	CAD Operator (Hours)	GIS Operator (Hours)	Survey Technician (Hours)	Survey Boat (24 foot) (Day)	Ponar Sampler (Day)	Differential GPS (Day)	U/W Camera (Day)	SCUBA Tanks (Day)	SCUBA Equipment and Insurance (Day)		
Task	Pay Type																
1	T&M	**Oyer Park Expansion SAV Survey & Grab Samples**	64	2	8	24		2	24	2	1	2	2	24	5	$ 2,460.27	**$ 15,761.53**
2	T&M	**Oyer Park Mitigation Site Investigation**	44			24		2		2		2	2	16	2	$ 6,530.79	**$ 15,255.47**
3	T&M	**Sand Trap SAV and Hardbottom Investigation**	100			48		2	48	4		4	4	36	10	$ 7,095.15	**$ 29,114.39**
4	T&M	**Continued State and Federal Permitting**	48				4	6								$ 26,708.04	**$ 32,212.80**
		Total =	256	2	8	96	4	12	72	8	1	8	8	76	17	$ 42,794.25	
		Rate =	$92.23	$112.93	$65.05	$63.26	$104.19	$110.16	$65.78	$790.00	$30.00	$415.00	$32.00	$19.00	$75.00	1	
		Subtotal Cost =	$23,610.88	$225.86	$520.40	$6,072.96	$416.76	$1,321.92	$4,736.16	$6,320.00	$30.00	$3,320.00	$256.00	$1,444.00	$1,275.00	$ 42,794.25	

LABOR COST = $36,904.94
EQUIPMENT = $12,645.00
SUBCONSULTANT COST = $42,794.25
TOTAL COST = $92,344.19

COASTAL PROTECTION ENGINEERING
5301 N. FEDERAL HWY, SUITE 335
BOCA RATON, FL 33487
561-565-5100

July 1, 2021
Revised: July 26, 2021

Beau Suthard, PG
Client Program Manager
Aptim Environmental & Infrastructure, LLC
Submitted via email to Beau.Suthard@aptim.com

Re: Proposal to Provide Continuing Support for the South Lake Worth Inlet Maintenance Dredging Project

Dear Beau,

This proposal is in response to Aptim Environmental & Infrastructure's (APTIM) request for Coastal Protection Engineering LLC (CPE) provide continuing support for the South Lake Worth Inlet Maintenance Dredging Project. We propose to provide professional services to support field investigations and project permitting as detailed in Tasks 1 through 4 below, as well as perform task management and client coordination throughout the work.

Our fee proposal estimating hours to provide these services is attached. All work will be performed in accordance with the existing Master Service Agreement between APTIM and CPE executed July 24, 2019. This cost is limited to a projection of hours and estimate of effort based on information known at this time. Should the project or client require additional services beyond these estimated hours, we will discuss adjustments with APTIM as deemed appropriate.

Task 1 - Oyer Park Boat Channel Expansion Area SAV Survey and Sediment Grab Samples in the Expansion Areas for Permitting (Time and Materials):

CPE will support agency coordination to develop and implement a benthic survey approach to assess the Oyer Park boat channel expansion area. The survey will determine the extent, distribution, and composition of submerged aquatic vegetation (SAV) resources that may be impacted due to dredging in the expanded dredge template. We will also support production of an observation report.

Task 2 – Oyer Park Boat Channel Mitigation Site Investigation (Time and Materials):

CPE will support coordination with the County in a desktop analysis to identify potential areas for seagrass mitigation. CPE will support the site investigation to document conditions at proposed sites for potential use as a mitigation site to receive seagrass. We will also support production of an observation report.

Task 3 – Sand Trap Expansion Area SAV Survey and Hardbottom Investigation (Time and Materials):

CPE will support a benthic survey for SAV and hardbottom in the portion of the sand trap not currently authorized by the USACE for dredging. The intent of this survey is to determine the extent, distribution, and composition of SAV resources that will be impacted due to dredging the sand trap expansion area. This data will be used to support the existing mitigation previously approved by FDEP and will be valuable should USACE require additional mitigation planning and a Uniform Mitigation Assessment Method (UMAM) evaluation. The survey will also include an investigation to identify hardbottom resources, if present. The survey will employ a combination of towed camera and in situ mapping/assessments. We will also support production of an observation report.

Task 4 – Continued State and Federal Permitting (Time and Materials):

CPE will provide support for continued permitting services to include the western expansion of the Oyer Park Boat Channel, expansion of the sand trap dredge template for federal authorization, and continued state and federal permitting. This effort will include support for engineering analysis and design, Endangered Species Act (ESA) Section 7 consultation, development of Mitigation Plans, and revision of the existing Biological Monitoring Plan.

If you have any questions, please feel free to contact me at any time.

Sincerely,

Stacy E Buck

Stacy Buck, Senior Marine Biologist
Coastal Protection Engineering LLC
Mobile: 561-632-1210
sbuck@coastalprotectioneng.com

cc: Tara Brenner, PE, PG, CPE
Thomas Pierro, PE, D.CE, CPE

Quote No. 2021058

Submitted to:
APTIM Environmental & Infrastructure LLC
6401 Congress Avenue
Suite 140, Boca Raton, Florida, 33487

Client Contact:
Beau Suthard
beau.suthard@aptim.com

Project Name:
Palm Beach County South Lake Worth Inlet
Maintenance Dredging Project Change Order

Date: 07/01/2021

Provided by:
Coastal Protection Engineering LLC
5301 N. Federal Hwy, Suite #335
Boca Raton, FL, 33487

Project manager:
Stacy Buck
Phone: +15616321210
E-mail: sbuck@coastalprotectioneng.com

Task 1 - Oyer Park Expansion SAV Survey & Grab Samples			
PBC 2019 - Senior Coastal Engineer (TB)	1	202.83	202.83
PBC 2019 - Senior Marine Biologist (SB)	16	141.09	2,257.44
		Subheading subtotal:	**2,460.27**
Task 2 - Oyer Park Mitigation Site Investigation			
PBC 2019 - Senior Coastal Engineer (TB)	1	202.83	202.83
PBC 2019 - Senior Marine Biologist (SB)	44	141.09	6,207.96
PBC - Project expense Dive equipment & insurance	2	60.00	120.00
		Subheading subtotal:	**6,530.79**
Task 3 - Sand Trap SAV and Hardbottom Investigation			
PBC 2019 - Senior Coastal Engineer (TB)	1	202.83	202.83
PBC 2019 - Senior Marine Biologist (SB)	48	141.09	6,772.32
PBC - Project expense Dive equipment & insurance	2	60.00	120.00
		Subheading subtotal:	**7,095.15**
Task 4 - Continued State and Federal Permitting			
PBC 2019 - Senior Coastal Engineer (TB)	40	202.83	8,113.20
PBC 2019 - Senior Marine Biologist (SB)	124	141.09	17,495.16
PBC 2019 - Principal Engineer (TP)	4	274.92	1,099.68
		Subheading subtotal:	**26,708.04**
		Subtotal:	**42,794.25**
		Tax:	0.00
		Total (USD):	**42,794.25**

Aptim Environmental & Infrastructure, LLC
Continuing Contract for Coastal and Marine Engineering Services

Contract R2019-1542 dated October 8, 2019 for a period of two years, expires on October 7, 2021.
SBE Goal 25.0% (20% SBE/Woman; 5% SBE/White Male)

Task Order summary:

TASK NUMBER	TOTAL/ SBE and/or MWBE AMOUNT	TASK DUE DATE	TASK DESCRIPTION	APPROVED BY/DATE
1542-01	202,198.42 195,012.22	12/31/2020	2020 Sea Turtle Monitoring - Singer Island & Ocean Ridge	BCC 2/11/2020
1542-02	54,424.00 0.00	8/15/2020	Bonefish Cove Cultural Resources Clearance Surveys	CRC 6/17/2020
1542-03	56,742.06 0.00	8/21/2020	Peanut Island DMMA Topographic and Geotechnical Surveys	CRC 9/16/2020
1542-04	62,570.58 0.00	8/21/2020	Bonefish Cove Hydrographic and Geotechnical Surveys	CRC 9/16/2020
1542-05	40,649.56 38,864.50	5/30/2021	2021 Sea Turtle Monitoring for March and April - Singer Island & Ocean Ridge	ERM 2/4/2021
1542-06	161,698.99 156,297.85	12/31/2021	2021 Sea Turtle Monitoring for May thru December - Singer Island & Ocean Ridge	BCC 4/6/2021
1542-07	9,436.46 8,168.70	2/25/2021	South Palm Beach Island Comprehensive Shoreline Stabilization - Nearshore Hardbottom Delineation	ERM 2/12/2021
1542-08	8,554.14 0.00	8/11/2021	South Lake Worth Inlet Management Plan Adoption	ERM 5/18/2021
1542-09	92,344.19 42,794.25	2/22/2022	South Lake Worth Inlet Maintenance Dredging Continuing Support	CRC

Total: 688,618.40
SBE-M/WBE: 441,137.52
SBE-M/WBE Participation: 64.0%
Report Date & Filename: 08/05/21 T:\eer\engser\Consultants\Aptim Environmental & Infrastructure 2019-2021\[history_1542.xls]Sheet1