

TASK ORDER

TASK ORDER: 1542-10 CONSULTANT: Aptim Environmental & Infrastructure, LLC

ACCOUNT: 3652-381-M046-3120-S017-CSLW-008 CONTRACT: R2019-1542

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

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

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

PROJECT NAME: Currie Park East Disposal Site Design & Permitting

LOCATION/DISTRICT #: West Palm Beach / Districts 1 and 7

TASK DESCRIPTION (use additional pages if necessary): The Consultant shall provide professional services to design and permit the Currie Park East Disposal site, as described in the attached Aptim proposal revised August 4, 2021.

DELIVERABLES: See attached proposal revised August 4, 2021.

TASK ORDER TYPE: FIXED PRICE

DUE DATE: 6/11/2022

TOTAL AMOUNT \$96,680.68

(Check where appropriate)

for Contract and Subcontract Amounts:

	Black	Hispanic	Women	Other (specify)	White Male
M/WBE(State) ☐	\$ _____	\$ _____	\$ _____	\$ _____	
SBE-M/WBE* ☐	\$ _____	\$ _____	\$ _____	\$ _____	
SBE ☒	\$ _____	\$ _____	\$ _____	\$ _____	\$63,970.28

*certified as both an SBE and a State MBE

CUMULATIVE CONTRACT SBE-M/WBE PARTICIPATION: 64.3%

CONSULTANT REP: Jeffrey Andrews, Vice President

DATE: 08/04/2021

ERM DIRECTOR: Deborah Drum

DATE: 8-9-2021

CONTRACT REVIEW COMMITTEE: Irwin Jacobowitz, Director

DATE: 8/11/21
(8-11-2021)

c: Holly Knight, P.E.
Roadway Production

OEBO SCHEDULE 1

LIST OF PROPOSED CONTRACTOR/CONSULTANT AND SUBCONTRACTOR/SUBCONSULTANT PARTICIPATION

SOLICITATION/PROJECT/BID NAME: Currie Park East Disposal Site Design & Permitting
NAME OF PRIME RESPONDENT/BIDDER: Aptim Environmental & Infrastructure
CONTACT PERSON: Beau Suthard, P.G.
SOLICITATION OPENING/SUBMITTAL DATE:

SOLICITATION/PROJECT/BID No.: Task Order No. 1542-10
ADDRESS: 6401 Congress Avenue, Suite 140, Boca Raton, FL 33431
PHONE NO.: 561-361-3181 E-MAIL: beau.suthard@aptim.com
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)				DOLLAR AMOUNT OR PERCENTAGE OF WORK			
	Non-SBE	M/WBE	SBE		Hispanic	Women	Caucasian	Other (Please Specify)
		Minority/Women Business	Small Business					
Aptim Environmental & Infrastructure, LLC	☒	☐	☐	☐			\$32,710.40	
Coastal Protection Engineering, LLC	☐	☐	☒	☒			\$63,970.28	
3.	☐	☐	☐	☐				
4.	☐	☐	☐	☐				
5.	☐	☐	☐	☐				

(Please use additional sheets if necessary)

\$96,680.68

Total Bid Price \$

Total

\$63,970.28

Total SBE - M/WBE Participation

\$96,680.68

- Note:
- 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.
 - Firms may be certified by Palm Beach County as an SBE and/or M/WBE. If firms are certified as both an SBE and/or M/WBE, please indicate the dollar amount under the appropriate category.
 - 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 #1542-10

SOLICITATION/PROJECT NAME: Currie Park East Disposal Site Design and Permitting

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
☐ Hispanic American ☐ Native American

☐ Supplier

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				\$63,970.28

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: \$63,970.28

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:

Authorized Signature

Print Name

Title

Date:

Coastal Protection Engineering LLC

Print Name of Subcontractor/subconsultant

By:

Authorized Signature

Print Name

Title

Date:

Jeffrey L. Andrews

Director

8/6/2021

Thomas Pierro

Principal Engineer/AMBR

8/6/2021



APTIM
6401 Congress Avenue, Suite 140
Boca Raton, FL 33487
Tel: +1 727 374 2150
Cell: +1 727 463 1359
Beau.suthard@aptim.com

August 4, 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
Currie Park East Disposal Site Design and Permitting**

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 efforts to design and permit Currie Park East site as a disposal site for non-beach compatible material.

This proposal includes:

1. Currie Park East Disposal Area Bathymetric Survey
2. Currie Park East Disposal Area Benthic Survey
3. Engineering Design and Analysis
4. Permitting

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.

Task 1 – Currie Park East Disposal Area Bathymetric Survey

APTIM will perform a bathymetric survey of the Currie Park East disposal site. All work shall be conducted under the direct supervision of a Florida Professional Surveyor and Mapper as well as an American Congress of Surveying and Mapping Certified Hydrographer and will be in accordance with Chapter 5J-17 Florida Administrative Code (F.A.C.) pursuant to Chapter 472 of the Florida Statutes (FS).

Prior to the start of the survey, reconnaissance of published National Geodetic Survey (NGS) and/or Florida Department of Environmental Protection (FDEP) survey control monuments will be conducted. Real Time Kinematic Global Navigation Satellite System (RTK GNSS) and Static GNSS techniques will be used to locate and confirm survey control for this project. Static GNSS methods will also be utilized to establish temporary benchmarks (TBMs) if the existing survey control is disturbed or insufficient to cover the entire survey area. Horizontal and vertical positioning checks will be conducted at the beginning and end of each survey day.

All positions will be collected in US survey feet relative to the North American Datum of 1983/2011 (NAD 83/11). All vertical data will be collected in US survey feet relative to the North American Vertical Datum of 1988 (NAVD 88), Geoid 18.



Hydrographic data will be collected using an Odom E20 sounder with digitizer on APTIM's 24-foot survey vessel or equivalent, with a centrally located hull-mounted transducer. A Trimble RTK GNSS and a TSS DMS-25 dynamic motion sensor will be used onboard the survey vessel to provide instantaneous tide corrections as well as heave corrections. In order to maintain the vessel navigation along the profile lines, HYPACK navigation software will be used for real time navigation and data acquisition. The sounder will be calibrated with a sound velocity probe and conventional bar-check at the beginning and end of each survey day.

APTIM will collect data along previously established survey lines, where available and practical. Data will be collected with sufficient line density to provide an accurate depiction of the seafloor with line spacing no more than 50 feet apart. Crossing lines will also be collected to verify soundings.

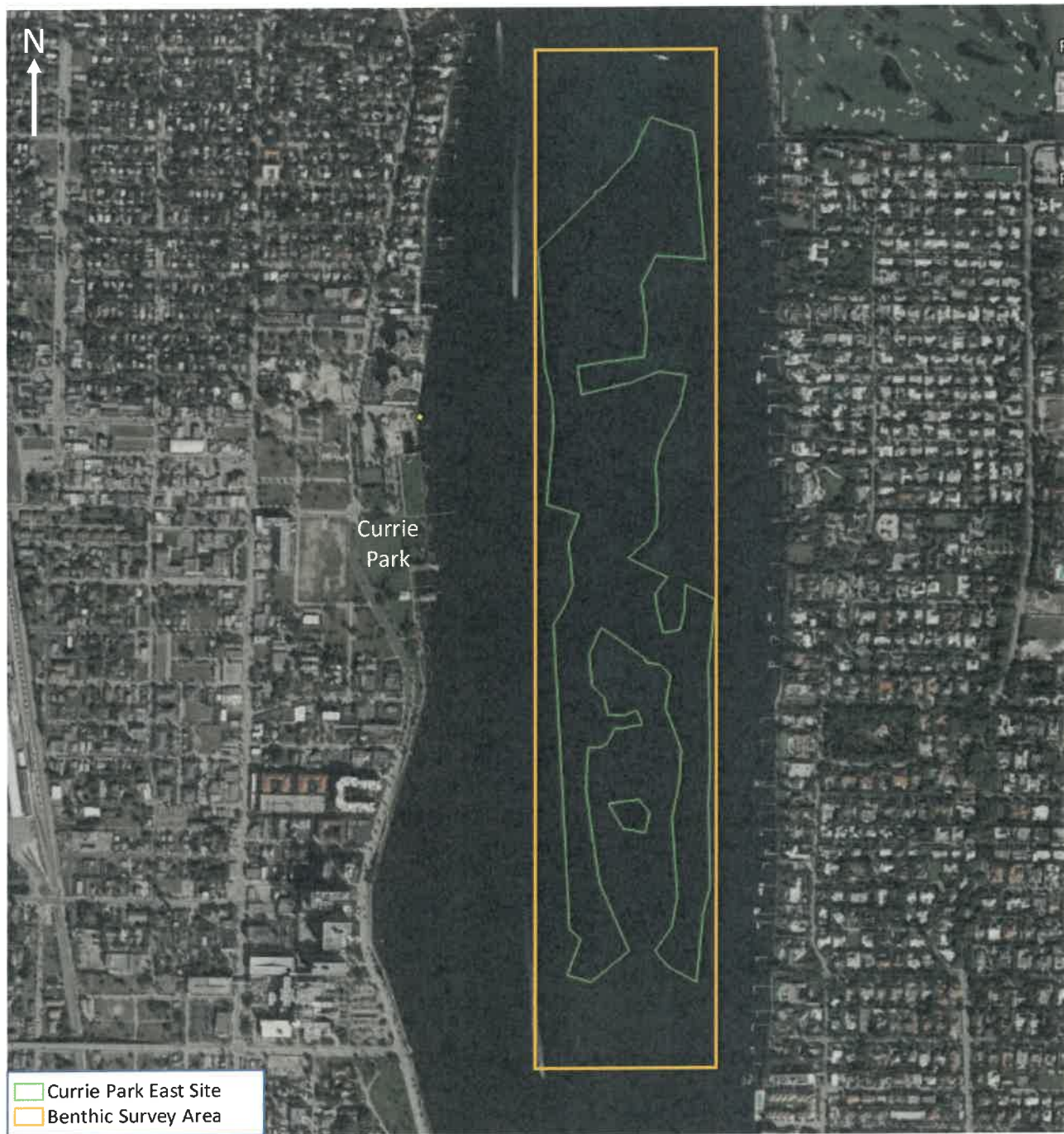
Upon completion of the field work, data will be processed using APTIM's internal software programs, Trimble Business Center, and HYPACK. The offshore data will be processed using HYPACK and an ASCII XYZ file will be created and exported for plan view map and planning purposes.

Deliverable: The final deliverable will include a survey map, certified by a registered Florida Surveyor and Mapper, digital data files (XYZ and AutoCAD (.dwg)) and field notes as deliverables for the surveying efforts.

Cost: The services in Task 1 will be provided on lump sum/fixed price basis of \$7,001.16 as detailed in the attached cost breakdown (Exhibit A) to be billed as percent complete.

Task 2 – Currie Park East Disposal Area Benthic Survey

APTIM and CPE will conduct a benthic resource survey within the limits of the Currie Park East disposal area and the 150-m mixing zone during the growing season between June 1 and September 30. The east and west sides of the site are bounded by the ICW and the Palm Beach Side Channel. Surveys will not be conducted within the channels but will extend 150 meters north and south of the potential disposal site. The image below shows the proposed dredge hole of the Currie Park East site and the approximate benthic survey area. Previous surveys within the Currie Park East site have revealed a barren substratum consisting primarily of sand and silt. The intent of this survey is to confirm those assumptions within the site. This investigation will utilize a towed video camera integrated with Differential Global Positioning System (DGPS) that provides an overlay of the coordinates on the video screen. Planned video transects will be oriented north to south and spaced 10 meters apart. Qualified biologists will watch the video in real time to ensure the camera is positioned at the appropriate angle and video is of sufficient quality to identify resources. Biologists will record the coordinates (take a fix) of any benthic resources that are observed in order to come back for diver verification of the potential resources. The location and extent of any SAV verified *in situ* shall be recorded and 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 will 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. Representative photographs will be taken of each location where resources are recorded. This survey is not meant to provide the level of data required for mitigation planning as it is assumed that any areas with SAV will be avoided in the disposal area design. It is anticipated that this survey will take 3 days of fieldwork to complete.



Deliverable: The final deliverables will include an observation report with map overlaid on recent aerial imagery. If benthic resources are documented during the assessment, the report will provide the location/delineation of those resources with a qualitative description and representative photographs. Digital shapefiles of any SAV and/or hardbottom resources documented during the survey will also be provided.



Cost: The services in Task 2 will be provided on lump sum/fixed price basis of \$19,269.42 as detailed in the attached cost breakdown (Exhibit A) to be billed as percent complete.

Task 3 – Engineering Analysis and Design

The Currie Park East site identified for disposal of non-beach compatible material is approximately 85 acres in size, the north end of which is located approximately 2 miles south of Lake Worth Inlet in the Intracoastal Waterway (ICW). Engineering analyses will be performed to determine the boundaries and fill capacity for disposal based on the bathymetric and benthic survey data collected in Tasks 1 and 2. Existing projects that are currently permitted to utilize a portion of the Currie Park East disposal area will also be avoided in the final design. The disposal area will be finalized based on coordination with and approval by the County, and consultation with permitting agencies as needed. Engineering sketches to support permitting will then be developed as part of this task incorporating the disposal area design with the most recent benthic resource investigations and bathymetric information.

Deliverable: Electronic (PDF) engineering sketches suitable for permitting and the corresponding .dwg CAD files will be provided to the County as deliverables for this task.

Cost: The services in Task 3 will be provided on lump sum/fixed price basis of \$16,853.16 as detailed in the attached cost breakdown (Exhibit A) to be billed as percent complete.

Task 4 – Permitting

APTIM and CPE will coordinate with FDEP and USACE to schedule a pre-application meeting. The meeting will review the proposed project and promote discussion to identify potential issues or concerns. We will provide the County with minutes from the meetings to summarize the path forward.

We will prepare an Environmental Resource Permit (ERP) application to the FDEP and a Department of the Army Permit (DA) application to USACE to permit the Currie Park East area as a disposal site for non-beach compatible dredge material for use by Palm Beach County. Supporting information required by the permit applications including a detailed project description and permit sketches will be included with the application.

APTIM and CPE will coordinate with agency staff to facilitate ongoing communication and address staff comments or requests for additional information (RAI). We will maintain contact (phone/email) with agency staff to expedite their review and processing of the permit application and will respond to two (2) requests for additional information from the regulatory agencies.

This scope of work assumes the County will provide a signed application and will pay permit application fees. This scope of services assumes that no variances, public presentations or hearings, public comment/objection management, or additional permit administration services are required beyond the scope of services above. If additional permitting or administration services are required, the services may be provided under a separate scope.

Deliverable: State and federal permit applications will be provided to the County for review and submitted to the FDEP and USACE once approved. We will also coordinate with the County to address requests for additional information from the regulatory agencies.

Cost: The services in Task 4 will be provided on lump sum/fixed price basis of \$53,556.94 as detailed in the attached cost breakdown (Exhibit A) to be billed as percent complete.



The work defined above will begin upon the County's issuance of a Notice-to-Proceed. The services proposed herein will be performed for a total Lump Sum cost of \$96,680.68 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 me at any time if you have any questions.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Beau Suthard', written over a light blue horizontal line.

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

EXHIBIT A
PALM BEACH COUNTY
CURRIE PARK EAST DISPOSAL SITE PERMITTING
Prepared By: APTM ENVIRONMENTAL & INFRASTRUCTURE, LLC



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

July 27, 2021
REV August, 2, 2021

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

Re: Proposal to Provide Support Currie Park East Disposal Site Design and Permitting

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 Currie Park East Disposal Site Design and Permitting project. We propose to provide professional services to support a benthic survey, engineering analysis and design, and state and federal permitting as detailed in Tasks 2 through 4 below, as well as perform task management and client coordination throughout the work. CPE proposes to provide these services for a lump sum amount of \$63,970.28.

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 2 - Currie Park East Disposal Area Benthic Survey:

CPE will support agency coordination to develop and implement a benthic survey approach to assess the proposed Currie Park East disposal site. The survey will determine the extent, distribution, and composition of submerged aquatic vegetation (SAV) resources, if any, in the survey area. We will also support production of an observation report.

Task 3 – Engineering Analysis and Design:

CPE will support the engineering analyses to determine the boundaries and fill capacity for disposal based on the bathymetric survey, benthic survey, and existing projects in the Currie Park East area. We will coordinate with APTIM, the County, and regulatory agencies, as needed, to finalize the design. CPE will develop, sign and seal engineering sketches to support permitting.

Task 4 – State and Federal Permitting:

CPE will provide support for state and federal permitting services to include the Currie Park East site as a disposal site for Palm Beach County. This effort will support scheduling and presenting at pre-application meetings, development of permit applications, and coordination with APTIM, the County and regulatory agencies to address comments or requests for additional information.

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



Sincerely,

A handwritten signature in blue ink that reads "Stacy E. Buck". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Stacy Buck

Senior Marine Biologist

Coastal Protection Engineering LLC

Mobile: 561-632-1210

sbuck@coastalprotectioneng.com

cc: Erica Carr-Betts, APTIM
Tara Brenner, PE, PG, CPE
Thomas Pierro, PE, D.CE, CPE

Quote No. 2021060



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
Currie Park East Disposal Site Design and
Permitting

Date: 07/21/2021

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 2 - Currie Park East Benthic Survey			
PBC 2019 - Senior Coastal Engineer (TB)	2	202.83	405.66
PBC 2019 - Senior Marine Biologist (SB)	12	141.09	1,693.08
Subheading subtotal:			2,098.74
Task 3 - Engineering Design and Analysis			
PBC 2019 - Principal Engineer (TP)	8	274.92	2,199.36
PBC 2019 - Senior Coastal Engineer (TB)	20	202.83	4,056.60
PBC 2019 - Senior Marine Biologist (SB)	4	141.09	564.36
PBC 2019 - Coastal Engineer I	40	76.33	3,053.20
PBC 2019 - CAD Operator	40	104.19	4,167.60
Subheading subtotal:			14,041.12
Task 4 - Permitting			
PBC 2019 - Principal Engineer (TP)	12	274.92	3,299.04
PBC 2019 - Senior Coastal Engineer (TB)	72	202.83	14,603.76
PBC 2019 - Senior Marine Biologist (SB)	176	141.09	24,831.84
PBC 2019 - Coastal Engineer I	34	76.33	2,595.22
PBC 2019 - CAD Operator	24	104.19	2,500.56
Subheading subtotal:			47,830.42
Subtotal:			63,970.28
Tax:			0.00
Total (USD):			63,970.28

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
1542-10	96,680.68 63,970.28	6/11/2022	Currie Park East Disposal Site Design and Permitting	CRC

Total: 785,299.08
SBE-M/WBE: 505,107.80
SBE-M/WBE Participation: 64.3%
Report Date & Filename: 08/05/21

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