

**PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS**

AGENDA ITEM SUMMARY

Meeting Date:	September 10, 2019	<input checked="" type="checkbox"/> Consent	<input type="checkbox"/> Regular
		<input type="checkbox"/> Workshop	<input type="checkbox"/> Public Hearing
Department:	<u>Environmental Resources Management</u>		

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: Task Order No. 1523-10 to a continuing Contract (R2016-1523) with Aptim Environmental & Infrastructure, LLC (Aptim) in the amount of \$168,778.68 for design and permitting of the 2020 South Lake Worth Inlet Sand Trap Expansion and Maintenance Dredging Project (Project).

Summary: The Project is included in the South Lake Worth Inlet Management Plan, approved by the Board of County Commissioners (BCC) on January 11, 2000 (R2000-0082). The BCC approved a Consultants' Competitive Negotiation Act (CCNA) Contract with Aptim, a Palm Beach County company, on October 18, 2016 (R2016-1523). Task Order 1523-10 authorizes Aptim to design and submit a permit modification request for the proposed Project to the Florida Department of Environmental Protection (FDEP) and the United States Army Corps of Engineers.

The County anticipates cost-sharing on the sand trap expansion and maintenance dredging with the FDEP. Funding assistance will also be pursued through a Waterways Assistance Program (WAP) grant from the Florida Inland Navigation District (FIND). The Project design will include dredging of the City of Boynton Beach Boat Channel and the FIND Cut P-50 in the FDEP permit application. Reimbursement is anticipated for the cost of dredging these additional sites through new or amended interlocal agreements with the City of Boynton Beach and FIND.

Task Order No. 1523-10 is funded by the Beach Improvement Fund through Tourist Development Council bed tax revenues. At the time of contracting, the Small Business Enterprise (SBE) participation goal established by the SBE Ordinance (R2002-0064) was 15% overall. Aptim committed to an overall 15% SBE participation in the Contract and has achieved 58.3% cumulative SBE participation on the master Contract to date, including this Task Order. District 4 (SS)

Background and Justification: The Project area is located directly west of the South Lake Worth Inlet. For the most recent 2013 dredging event, the County entered into interlocal agreements to dredge the Intracoastal Waterway Cut P-50 for FIND (R2013-0165) and the Boynton Boat Club Channel for the City of Boynton Beach (R2013-0166). The County was also awarded a grant from the FIND WAP (R2012-1950).

Attachment:

1. Task Order No. 1523-10

Recommended by:

Deborah Quinn
Department Director

8-12-19

Date

Approved by:

Paul
Assistant County Administrator

8/23/19

Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2019	2020	2021	2022	2023
Capital Expenditures	\$168,779	_____	_____	_____	_____
Operating Costs	_____	_____	_____	_____	_____
External Revenues	_____	_____	_____	_____	_____
Program Income (County)	_____	_____	_____	_____	_____
In-Kind Match (County)	_____	_____	_____	_____	_____
NET FISCAL IMPACT	<u>\$168,779</u>	_____	_____	_____	_____
# ADDITIONAL FTE POSITIONS (Cumulative)	_____	_____	_____	_____	_____
Is Item Included in Current Budget?	Yes	<u>X</u>	No	_____	_____
Does this item include the use of federal funds?	Yes	_____	No	<u>X</u>	_____

Budget Account No.:

Fund 3652 Department 381 Unit M046 Object _____ Program _____

B. Recommended Sources of Funds/Summary of Fiscal Impact:

Beach Improvement Fund

C. Department Fiscal Review:

_____ *S. Neary*

III. REVIEW COMMENTS

A. OFMB Fiscal and /or Contract Dev. and Control Comments:




OFMB ^{KP} 8/14 (EW) 8/15
Contract Development & Control
8/22/17
(TW)

B. Legal Sufficiency:

_____ *[Signature]* 8/23/17
 Assistant County Attorney

C. Other Department Review:

 Department Director

ATTACHMENT I

TASK ORDER

TASK ORDER: 1523-10 CONSULTANT: Aptim Environmental & Infrastructure, LLC

ACCOUNT: 3652-381-M046-3120 CONTRACT: R2016-1523, R2018-1391

[Fiscal approval of Budget Availability: See attached BAS]

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

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

PROJECT NAME: South Lake Worth Inlet Sand Trap Expansion and Maintenance Dredging

LOCATION/DISTRICT #: SLWI and Intracoastal Waterway / District 4

TASK DESCRIPTION (use additional pages if necessary): The Consultant shall provide professional services to design and permit the Project, as described in the attached Scope of Work dated August 6, 2019.

DELIVERABLES: See scope of work dated August 6, 2019.

TASK ORDER TYPE: FIXED PRICE \$151,696.68 DUE DATE: 10/10/2020
NOT-TO-EXCEED \$17,082.00

TOTAL AMOUNT \$168,778.68 See attached proposal dated 8/6/2019

(Check where appropriate)

for Contract and Subcontract Amounts:

	Black	Hispanic	Women	Other (specify)	White Male
M/WBE(State) <input type="checkbox"/>	\$ _____	\$ _____	\$ _____	\$ _____	
SBE-M/WBE* <input type="checkbox"/>	\$ _____	\$ _____	\$ _____	\$ _____	
SBE <input type="checkbox"/>	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____

*certified as both an SBE and a State MBE

TOTAL SBE-M/WBE PARTICIPATION: \$0.00

CONSULTANT REP:  DATE: 8/6/2019
Thomas P. Pierro, P.E., D.CE

APPROVED AS TO TERMS AND CONDITIONS:

ERM DIRECTOR:  DATE: 8-9-19

APPROVED AS TO FORM AND LEGAL SUFFICIENCY:

ASSISTANT COUNTY ATTORNEY: _____ DATE: _____

BOARD OF COUNTY COMMISSIONERS: _____ DATE: _____
Mack Bernard, Mayor



**Palm Beach County
Environmental Resources Management**

INTERDEPARTMENTAL BUDGET AVAILABILITY STATEMENT

REQUEST DATE: 8/7/2019

REQUESTED BY: Tracy Logue

PHONE: 233-2491

PROJECT TITLE: South Lake Worth Inlet Management

PROJECT NO: S017

SITE: South Lake Worth Inlet

ACTIVITY: Design and Permitting

CONTRACTOR/CONSULTANT NAME: Aptim Environmental & Infrastructure, LLC

SCOPE OF SERVICES: Assist PBC County in design and permitting tasks for South Lake Worth Inlet dredging projects.

BUDGET ACCOUNT NUMBER(S):

<u>Fund</u>	<u>Dept</u>	<u>Unit</u>	<u>Obj</u>	<u>SObj</u>	<u>Program</u>	<u>(Proj) Task</u>	<u>(Site) Sub Task</u>	<u>(Activity) Task Ord</u>	<u>Amount</u>
3652	381	M046	3120			S017	CSLW	008	\$168,778.68

BAS APPROVED BY: *S. Neary* DATE: 8/7/19

ENCUMBRANCE NUMBER: _____



APTIM
2481 NW Boca Raton Blvd.
Boca Raton, FL 33431
Tel: +1 561 391 8102
Fax: +1 561 391 9116

August 6, 2019

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
Dredge Design & Permitting
Task Order No. 1523-10**

Dear Tracy:

This proposal is in response to Palm Beach County's (County) request for Aptim Environmental & Infrastructure, LLC (APTIM) to perform design and permitting tasks to assist the County in preparing for the next periodic maintenance dredging project at South Lake Worth Inlet (SLWI).

Scope of Work

Task 1 – Bathymetric Survey & Sediment Sampling

APTIM will perform hydrographic surveys for three dredge sites and two disposal sites including portions of the Intracoastal Waterway (ICW) at cut P-50 from 12+00 to 30+00, the interior sand trap of SLWI, the Oyer Park Boat Channel, the SLWI artificial reef, and the Half Moon Bay Hole. 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 to 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 Florida Department of Environmental Protection (FDEP) 2nd order control monuments will be conducted to confirm that survey control is in place and undisturbed. Real Time Kinematic Global Positioning System (RTK GPS) and Static GPS techniques will be used to locate and confirm survey control for this project. Static GPS methods will also be utilized to establish temporary benchmarks (TBMs) in the event that the 2nd order 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 using at least two 2nd order FDEP monuments or TBMs in the project area.

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 12b.

Hydrographic data will be collected using an Odom Hydrotrac sounder with digitizer on APTIM's 24-foot survey vessel or equivalent, with a centrally located hull-mounted transducer. A Trimble RTK GPS 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. The Odom DigiBar PRO sound velocity probe provides a fast and accurate sounder calibration as compared to the traditional bar-check. Bar-checks will be performed as a redundant calibration from a depth of five (5) feet to a minimum depth of twenty (25) feet. Manual tide readings will be taken while conducting the onshore portion of the profile to verify onboard tide readings.

APTIM will aim to 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.

Concurrent to the bathymetric survey, APTIM will collect twenty (20) grab samples using a ponar grab sampler to characterize the existing surface conditions within the three dredge areas. All grab samples will undergo sieve analysis and carbonate content testing within APTIM's accredited geotechnical laboratory. Geotechnical results will be compiled to support permitting and design of the dredge project.

Deliverables: APTIM will provide 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. A sample location map, grain size distribution curves and granulometric reports will be provided for the sediment testing efforts.

Task 2 – Seagrass Surveys

2a – Pre-Construction Seagrass Survey

APTIM will conduct a pre-construction survey of the seagrass distribution and abundance in proximity to the SLWI. The pre-construction survey will be conducted in compliance with the SLWI Seagrass Monitoring Plan (rev 4-13-12). This will include delineating seagrass beds in four areas, which have been designated as the: 1) Northwest Quadrant; 2) Southwest Quadrant; 3) Northeast Quadrant; and 4) Southeast Quadrant. Quadrats measuring 0.25-m² in size will be assessed along the edge of the seagrass beds and at each previously-established monitoring station within each quadrant. These locations will be classified using categories 1 through 5 of the Braun-Blanquet abundance scale (1-5%, 5-25%, 25-50%, 50-75% and >75%). Observations of attached macroalgae will also be documented.

It is requested that the County provide shapefiles of the following items to guide the seagrass mapping and ensure repeatability of the previously monitored sites:

1. Previously mapped seagrass beds (2002, 2003, 2006, 2007, 2008, 2009, 2011, 2013 and 2016)
2. Monitoring stations for pre- and 1-year post-construction monitoring

Deliverable: APTIM will provide a pre-construction monitoring report that includes historic data and the current findings.

2b – Immediate Post-Construction Reconnaissance Seagrass Survey

Immediately following construction, APTIM shall conduct a reconnaissance seagrass survey in compliance with the existing biological monitoring conditions (FDEP permit no. 0117708-005-EM, Biological Monitoring Condition No. 2) as follows:

2. Biological Monitoring. Twice during construction and within 14 days of construction completion, reconnaissance surveys of seagrasses shall be conducted to assess construction-related impacts



(direct mechanical damage or indirect sedimentation damage) within the areas defined as higher risk for potential impact. A diver shall swim over seagrass beds within 100 feet where dredging is underway or has been completed along a series of parallel transects spaced no more than 10 meters (32 feet) apart and document evidence of damage or sedimentation. Photos and GPS coordinates shall be collected of any impacts observed.

It is anticipated that the immediate post-construction reconnaissance survey shall take two days to complete.

Deliverable: Following the immediate post-construction survey, APTIM will provide a report that summarizes the findings and presents a map with the surveyed area.

Task 3 – Engineering Analysis & Design

Engineering analyses will be performed to determine dredge volumes in the interior sand trap, ICW P-50 cut, and Oyer Park boat channel based on the updated bathymetry surveys collected in Task 1. The interior sand trap capacity will be increased by expanding the previously dredged lateral limits to the limits permitted in 2001, and by increasing the dredge depth to -17.55 NAVD throughout the sand trap, as feasible. Three disposal areas are already permitted, and no adjustments are proposed at the Half Moon Bay Hole (non-beach quality sand disposal area), the artificial reef site, or the Ocean Ridge Hammock Park nearshore beach disposal area. Disposal area capacities will be estimated based on bathymetry surveys collected in Task 1 and beach monitoring profiles provided by the County.

An assessment and quantification of the rock within the sand trap will be performed utilizing existing subsurface information. Disposal areas for each dredge area will then be proposed, dependent upon results of the updated geotechnical investigation (grab sampling, sieve analyses, and rock assessment) and compatibility with the existing beach. APTIM will meet with the County to review the rock assessment results.

APTIM will finalize the dredge quantities and disposal areas 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 engineering design with the most recent seagrass delineations and geotechnical information.

Deliverable: Electronic (PDF) engineering sketches suitable for permitting will be provided to the County as deliverable for this task.

Task 4 – Permitting

APTIM will compile and submit a permit modification request to include that, in addition to the interior sand trap, a one-time dredging event of a portion of the ICW Cut P-50 and the Oyer Park boat channel be added to the SLWI maintenance dredging authorization. The request will include expanding the previously dredged lateral limits of the sand trap to the limits permitted in the original authorization (0117708-001-JC) and increasing the dredge site depth to -17.55 ft NAVD. The beach compatible material removed from the three dredge areas will be placed below MLW at Ocean Ridge Hammock Park (between R-155 and R-156). Rock greater than 1-ft in diameter removed from the sand trap will be placed in the artificial reef site located south of the sand trap. Non-beach compatible material and rock less than 1-ft in diameter shall be placed in Half Moon Bay Hole, approximately 1.6 miles north of the inlet. Based on previous modification requests under the state and federal permits, it is anticipated that this will be processed as a minor modification request. APTIM will respond to two (2) requests for additional information each from FDEP and USACE for this modification request.

Additionally, it is anticipated that the 1-year post-construction seagrass monitoring conducted in 2016 for



the previous maintenance dredging event will serve as the existing conditions; therefore, no seagrass assessment is proposed for permitting purposes. If the County has collected seagrass data in this area more recently than 2016, it is requested that this data be provided to APTIM to support permitting.

Deliverable: APTIM will provide a complete permit modification request to the County for review and will address County comments. APTIM will then submit the permit modification request to FDEP and USACE. APTIM will also coordinate with the County to address two RAIs from each agency.

Task 5 – Construction Plans & Technical Specifications

Once the extents of the three dredge areas and disposal areas have been approved by the County and permitting agencies, APTIM will conduct engineering design work to prepare the dredging and disposal construction templates. The construction plans and dredge quantities for bidding will be based on the bathymetric surveys collected in Task 1 and beach profile monitoring data provided by the County. APTIM's GIS/CAD professionals will work directly with APTIM engineers to develop construction dredging plans including plan views and cross-sections of dredge and disposal templates, beach access, equipment storage areas, seagrass resources, environmental protection areas and other information required for execution of this dredging project. The plans will include areas where the rock substrate and rocky sand are expected to exist and require special treatment by the Contractor.

A site visit will be conducted during this phase to facilitate coordination and confirm site information is up to date. APTIM will also plan for coordination with the County Parks department to ensure that the dredging plans include any relevant features of the marina redevelopment project and wave attenuator structure.

Technical specifications developed for the project will integrate the sediment QA/QC plan, turbidity standards, and permit conditions into the work, while emphasizing the rock excavation requirements and intent to use the full original sand trap's lateral limits. The technical specifications and construction plans will be prepared to allow for a phased construction approach of hydraulic dredging followed by mechanical dredging to address all disposal options: non-beach quality sand disposal area, artificial reef disposal area, nearshore (below MLW) disposal based on the design analysis and coordination with the County. The nearshore disposal will be below MLW through a discharge pipe configured through the dune and potentially connecting to the County's proposed 30" casing under A1A (pending permitting by others).

Deliverable: APTIM will provide the County with a complete set of draft construction plans and technical specifications (in electronic PDF or Word format) for their review and comment.

Task 6 – Bidding Support & Notice to Proceed

Once the construction plans and technical specifications are completed, APTIM will compile and submit the items necessary to request the FDEP Notice to Proceed (NTP) and provide the County with a bid package containing: construction plans, technical specifications, project permits, bid form, contractor questionnaire, and engineer's opinion of probable costs.

APTIM will assist the County during the bidding process. APTIM staff will participate in the pre-bid meeting and assist the County in answering technical questions, as needed, during the bidding process. Once the bids have been opened, APTIM will assist the County in assessing bidder qualifications and determination of bid balance of the bids deemed responsive by County procurement.

Deliverable: As a result of this task, APTIM will provide the County with construction documents suitable for bidding including signed and sealed construction plans and technical specifications (electronic PDF format).



August 6, 2019
Page 5 of 6

Task 7 – Seagrass Mitigation Assessment (Optional)

The County intends to increase the capacity of the sand trap by expanding the dredged lateral limits to the 2001 permitted limits and excavating deeper. Permit modification 0117708-007-JN authorized dredging the sand trap to a depth of -17.55 NAVD. This expansion included partial impacts to 1.4 acres of seagrass, which were offset by the use of 0.7 acre of an advance seagrass mitigation site at Bryant Park. The previous maintenance dredging of the sand trap did not excavate to the permitted lateral limits; therefore, it is anticipated that the 0.7 acre of seagrass mitigation remains available. If agency requests for additional information indicate additional mitigation is required, APTIM will coordinate with the County and regulatory agencies to negotiate this mitigation.

Deliverable: APTIM will coordinate with the County and regulatory agencies to negotiate requests for additional mitigation.

Task 8 – During Construction Reconnaissance Seagrass Survey (Optional)

During construction, APTIM shall conduct two reconnaissance seagrass surveys, which will follow the methodology presented in FDEP permit no. 0117708-005-EM, Biological Monitoring Condition No. 2 (see Task 2b). It is anticipated that each reconnaissance survey during construction will take one day to complete.

Deliverable: Following each reconnaissance survey, APTIM will provide an observation report that summarizes the findings and presents a map with the surveyed area.

Schedule: The time estimated to complete the work to deliver a construction package to the County is anticipated to be thirteen (13) months from County's issuance of a Notice-to-Proceed, barring any unforeseen circumstances or extended permitting agency review. Bidding and seagrass monitoring will be contingent upon the County and their selected Construction Contractor's schedule.

Cost: APTIM proposes to perform the services detailed in Tasks 1-6 on a lump sum/fixed price basis of \$151,696.68 as detailed in the attached cost breakdown (Exhibit A). Optional Tasks 7 and 8 are proposed on a time and materials basis not to exceed \$7,447.46 and \$9,634.54, respectively as detailed in Exhibit A.

The services proposed herein will be performed in accordance with this proposal and the Professional Services Agreement between Palm Beach County and Aptim Environmental & Infrastructure, LLC for Coastal and Marine Engineering Annual Services executed October 18, 2016. 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 or Tom Pierro if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Tara Brenner".

Tara Brenner, P.G., P.E.
Project Manager
Aptim Environmental & Infrastructure, LLC

cc: Thomas Pierro, P.E., APTIM
Stacy Buck, APTIM



EXHIBIT A
PALM BEACH COUNTY
SOUTH LAKE WORTH INLET DREDGE DESIGN & PERMITTING
Prepared By: APTIM ENVIRONMENTAL & INFRASTRUCTURE, LLC

TASKS	LABOR														EQUIPMENT								TASK SUBTOTAL	
	Senior Project Manager	Project Manager	Senior Marine Biologist	Marine Biologist	Professional Surveyor & Mapper	Surveyor	Coastal Engineer I	Professional Geologist I	Geologist II	Boat Captain	Senior CAD Operator	CAD Operator	GIS Operator	Clerical	Survey Boat (24 foot)	RTK GPS	Odom Sounder	Ponar Sampler	Differential GPS	UW Camera	SCUBA Tanks	SCUBA Equipment and Insurance		
Task Pay Type	(Hours)	(Hours)	(Hours)	(Hours)	(Hours)	(Hours)	(Hours)	(Hours)	(Hours)	(Hours)	(Hours)	(Hours)	(Hours)	(Hours)	(Day)	(Day)	(Day)	(Day)	(Day)	(Day)	(Day)	(Day)	(Day)	
1 LS Bathymetric Survey & Sediment Sampling		2		12		20		40						16	3									\$ 17,748.47
2 LS Immed Post-Con Seagrass Survey				216						104				4	2				8	8	48	16		\$ 37,142.00
3 LS Engineering Analysis & Design	6	35	4		1			64	8	8	2	60												\$ 20,231.28
4 LS Permitting	8	88	176					80				20	6											\$ 46,333.92
5 LS Construction Plans & Technical Specifications	4	54	6	8	1			86		4	2	50	6											\$ 22,811.37
6 LS Bidding Support & Notice to Proceed	2	36	4	2				24				4												\$ 8,432.84
7 T&M Seagrass Mitigation Assessment (opt)		16	40	4									2						2	2	12	4		\$ 7,447.46
8 T&M During Construction Seagrass Monitoring (opt)		4		56						26														\$ 9,834.84
Total =	22	231	246	282	22	40	254	10	62	178	4	130	31	14	12	2	2	1	10	10	60	20		
Rate =	\$244.70	\$135.69	\$126.90	\$76.74	\$134.79	\$77.61	\$83.98	\$107.86	\$73.93	\$62.58	\$163.05	\$95.45	\$100.21	\$63.10	\$780.00	\$495.00	\$165.00	\$30.00	\$415.00	\$32.00	\$18.00	\$75.00		
Subtotal Cost =	\$5,383.40	\$31,344.39	\$31,217.40	\$21,640.68	\$2,965.38	\$3,104.40	\$21,330.92	\$1,078.60	\$4,583.66	\$11,139.24	\$652.20	\$12,408.50	\$3,106.51	\$893.40	\$9,480.00	\$990.00	\$330.00	\$30.00	\$4,150.00	\$320.00	\$1,140.00	\$1,500.00		
LUMP SUM TASKS 1 - 6																								
LABOR COST =																							\$138,758.68	
EQUIPMENT COST =																							\$14,939.00	
TOTAL COST =																							\$151,696.68	
TIME & MATERIALS OPTIONAL TASK 7																							\$7,447.46	
TIME & MATERIALS OPTIONAL TASK 8																							\$9,634.54	

Aptim Environmental & Infrastructure
Continuing Contract for Coastal and Marine Engineering
(f.k.a. CB&I Environmental & Infrastructure)

Contract R2016-1523 dated October 18, 2016 for a period of two years, expires on October 17, 2018.
Assignment Assumption and Consent Agreement (R2018-0302) dated March 13, 2018 changes name to APTIM.
First Amendment (R2018-1391) dated September 18, 2018 extends the contract through October 17, 2019.
Assignment Assumption and Consent Agreement (R2019-0220) dated February 5, 2019 changes name to APTIM, LI
SBE Goal 15.0% (10% SBE/White; 5% SBE/Woman)

Task Order summary:

TASK NUMBER	TOTAL/ SBE and/or MWBE AMOUNT	TASK DUE DATE	TASK DESCRIPTION	APPROVED BY/DATE
1523-01	234,549.44 228,212.26	12/31/2017	2017 Sea Turtle Monitoring - Singer Island & Ocean Ridge	BCC 2/7/2017
1523-02	30,212.03 0.00	9/27/2017	Jupiter/Carlin Nourishment Project - 2 Year Post Construction Physical Monitoring	ERM 6/21/2017
1523-03	194,311.90 187,974.72	12/31/2018	2018 Sea Turtle Monitoring - Singer Island & Ocean Ridge	BCC 2/6/2018
1523-04	86,717.81 0.00	5/15/2018	Lake Okeechobee Vibracore Sampling and Jet Probes	CRC 2/28/2018
AAC Agreement			Assignment Assumption and Consent Agreement - Name Change from CB&I to APTIM	BCC 3/13/2018
1523-05	13,956.49 0.00	10/1/2018	2018 SLWI Sand Transfer Plant Production Surveys	ERM 6/4/2018
1523-06	24,969.22 0.00	8/20/2018	Jupiter/Carlin Nourishment Project - 3 Year Post Construction Physical Monitoring	ERM 5/17/2018
First Amendment			1-Year Contract Extension	BCC 9/18/2018
1523-07	69,886.32 0.00	7/5/2019	South Lake Worth Inlet Sediment Budget Update	CRC 11/28/2018
1523-08	25,912.16 0.00	8/1/2019	Continued Permitting for Southern Palm Beach Island Comprehensive Shoreline Stabilization Project	ERM 11/14/2018
AAC Agreement			Assignment Assumption and Consent Agreement - Name Change from APTIM, Inc. to APTIM, LLC	BCC 2/5/2019
1523-09	205,136.90 198,799.72	12/31/2019	2019 Sea Turtle Monitoring - Singer Island & Ocean Ridge	BCC 2/5/2019
1523-10	168,778.68 0.00	10/10/2020	South Lake Worth Inlet Sand Trap Expansion and Maintenance Dredging	BCC

Total: 1,054,430.95
SBE-M/WBE: 614,986.70
SBE-M/WBE Participation: 58.3%
Report Date & Filename: 08/06/19