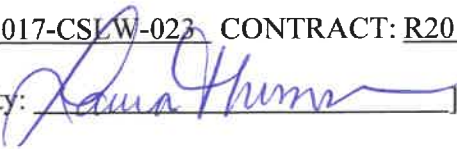


TASK ORDER

TASK ORDER: 1542-13 CONSULTANT: Aptim Environmental & Infrastructure, LLC

ACCOUNT: 3652-381-M046-3120-S017-CSLW-023 CONTRACT: R2019-1542; R2021-1435

[Fiscal approval of Budget Availability: ]

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

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

PROJECT NAME: Geotechnical Survey at South Lake Worth Inlet Sand Trap

LOCATION/DISTRICT #: SLWI / District 4

TASK DESCRIPTION (use additional pages if necessary): The Consultant shall provide professional services to perform geotechnical surveys, as described in the attached Aptim proposal dated February 15, 2022 (Exhibit B). OEBO Schedules 1 and 2 (Exhibit A), and the Contract History (Exhibit C) are attached hereto and made part of this Task Order.

DELIVERABLES: See attached proposal dated February 15, 2022 (Exhibit B).

TASK ORDER TYPE: FIXED PRICE \$40,489.71
NOT-TO-EXCEED \$38,225.25

DUE DATE: 9/1/2022

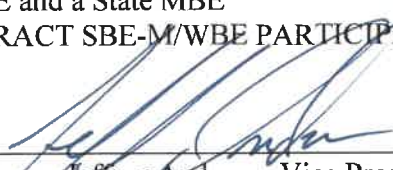
TOTAL AMOUNT \$78,714.96

(Check where appropriate)
for Contract and Subcontract Amounts:

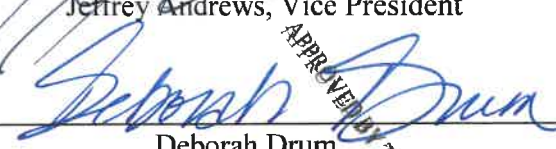
	Black	Hispanic	Women	Other (specify)	White Male
M/WBE(State) ☐	\$ _____	\$ _____	\$ _____	\$ _____	
SBE-M/WBE* ☐	\$ _____	\$ _____	\$ _____	\$ _____	
SBE ☒	\$ _____	\$ _____	\$ _____	\$ _____	\$4,430.46

*certified as both an SBE and a State MBE

CUMULATIVE CONTRACT SBE-M/WBE PARTICIPATION: 59.8%

CONSULTANT REP: 
Jeffrey Andrews, Vice President

DATE: 02/23/2022

ERM DIRECTOR: 
Deborah Drum

DATE: 2-25-2022

CONTRACT REVIEW COMMITTEE: 
Irwin Jacobowitz, Director

DATE: 3/2/22

c: Holly Knight, P.E.
Roadway Production

OEBO SCHEDULE 1

LIST OF PROPOSED CONTRACTOR/CONSULTANT AND SUBCONTRACTOR/SUBCONSULTANT PARTICIPATION

SOLICITATION/PROJECT/BID NAME: Geotechnical Survey at South Lake Worth Inlet Sand Trap Task Order No. 1542-13
 NAME OF PRIME RESPONDENT/BIDDER: Aptim Environmental & Infrastructure LLC ADDRESS: 6401 Congress Avenue, Suite 140, Boca Raton, FL 33431
 CONTACT PERSON: Beau Suthard, P.G. PHONE NO.: 561-361-3181 E-MAIL: beau.suthard@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)				DOLLAR AMOUNT OR PERCENTAGE OF WORK			
	Non-SBE	M/WBE	SBE	Small Business	Black	Hispanic	Women	Caucasian
1. Aptim Environmental & Infrastructure, LLC	☒	☐	☐	☐	☐	☐	☐	\$37,879.50
2. Coastal Protection Engineering, LLC	☐	☐	☒	☐	☐	☐	☐	\$4,430.46
3. Amdrill Inc.	☒	☐	☐	☐	☐	☐	☐	\$36,405.00
4.	☐	☐	☐	☐	☐	☐	☐	
5.	☐	☐	☐	☐	☐	☐	☐	
(Please use additional sheets if necessary)					Total			
Total Bid Price \$					\$78,714.96			
					Total SBE - M/WBE Participation			
					\$4,430.46			

- 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 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.

Exhibit A
 page 1 of 3

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 #1542-13
SOLICITATION/PROJECT NAME: Geotechnical Survey at South Lake Worth Inlet Sand Trap

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
	Professional services to support geotechnical reporting				\$4,430.46

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: \$4,430.46

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

Thomas Pierro

Print Name

Principal Engineer/AMBR

Title

Date:

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 #1542-13
SOLICITATION/PROJECT NAME: Geotechnical Survey at South Lake Worth Inlet Sand Trap

Prime Contractor: Aptim Environmental & Infrastructure, LLC Subcontractor: Amdrill Inc.

(Check box(s) that apply)
☐ SBE ☐ WBE ☐ MBE ☐ M/WBE ☒ Non-S/M/WBE Date of Palm Beach County Certification (if applicable): n/a

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
	Drilling services				\$36,405.00

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: \$36,405.00

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:

Beau Suthard
Authorized Signature

Print Name

Program Director

Title

Date:

2/24/2022

Amdrill Inc.

Print Name of Subcontractor/subconsultant

By:

Jeff Clarkson
Authorized Signature

Jeff Clarkson

Print Name

Vice President

Title

Date:

02/24/2022



February 15, 2022

APTIM
725 US Highway 301 South
Tampa, FL 33619
Tel: +1 727 374 2150
Fax: +1 813 626 1663
Beau.Suthard@aptim.com

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

Re: Geotechnical Survey at South Lake Worth Inlet Sand Trap

Dear Ms. Logue:

Please find attached Aptim Environmental & Infrastructure, LLC's (APTIM) response to Palm Beach County's (County) request for geotechnical services to characterize the geology above and below the proposed cut depth of the sand trap at South Lake Worth Inlet. The following tasks are proposed and are detailed in the attached scope of work:

Task No. 1 – Geotechnical Sampling and Testing of Sand Trap material. Includes Standard Penetration Test Borings and Sediment Analysis.

APTIM has selected team members Coastal Protection Engineering (SBE Vendor #VS0000014339), and Amdrill, Inc. (SBE Vendor #VS0000012499) to assist with the collection and analysis of the geotechnical borings (Standard Penetration Test Borings). APTIM will perform the services described in this proposal for a total fee of approximately \$78,714.96, of which \$40,489.71 will be billed as Lump Sum and \$38,225.25 will be a Not to Exceed amount for Amdrill's costs. A detailed cost breakdown is included within this proposal. APTIM will perform this work in accordance with the Contract for Professional Consultant Services between the County and APTIM (R2019-1542) dated October 8, 2019 and amended by R2021-1435 on October 5, 2021. Should you have any questions or comments, please feel free to call or email.

Sincerely,

Beau Suthard, PG
Program Director
Aptim Environmental & Infrastructure, LLC

Cc: Patrick Bryce, PG (APTIM)
Beth Forrest, Ph.D., PG (APTIM)
Tara Brenner, PG, PE (CPE)
Stacy Buck (CPE)





INTRODUCTION

Aptim Environmental & Infrastructure, LLC (APTIM), is pleased to submit this Scope of Services in response to Palm Beach County's (County) request for geotechnical services to characterize the geology above and below the proposed cut depth of the sand trap at South Lake Worth Inlet.

The following tasks are proposed and are detailed in the attached scope of work:

Task No. 1 – Geotechnical Sampling and Testing of Sand Trap material. Includes Standard Penetration Test Borings and sediment grain size analysis.

SCOPE OF WORK

Task No. 1 – Geotechnical Sampling and Testing of Sand Trap Material

Overview

A geotechnical drilling survey will be conducted within the sand trap located on the inside of South Lake Worth Inlet. A total of thirteen (13) Standard Penetration Test (SPT) borings will be collected within the sand trap area at a general spacing of less than 250 feet to provide a detailed understanding of the geologic conditions within the sand trap, including both above and below the cut depth. Any sediment encountered within the borings will have a grain size analysis performed to aid in determining the potential for nearshore disposal of sediments. APTIM will then produce a geotechnical survey report, including boring logs, grain size results, as well as representative cross-sections.

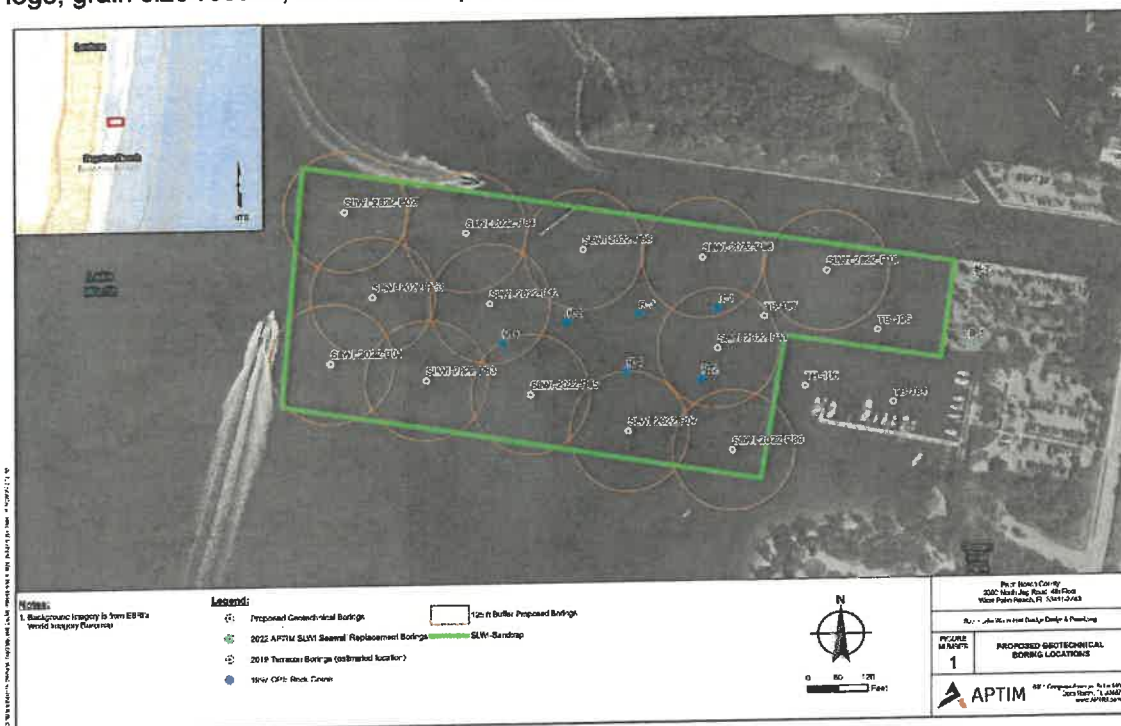


Figure 1: Proposed Geotechnical Boring Site Map





Geotechnical Borings

Amdrill, Inc. (SBE Vendor #VS0000012499) under the supervision of an APTIM geologist will perform a total of thirteen (13) SPT borings at locations designated by APTIM within the sand trap. APTIM has reviewed and considered the historic data within the area, including the 1997 CPE Rock Cores, the 2019 Terracon Borings (OIP Marine Replacement Project), and the 2022 APTIM Borings (SLWI Seawall Replacement Project) and were able to reduce the need from 15 to 13 borings. While the map, see Figure 1, shows the current proposed layout for these borings, APTIM may slightly readjust the 13 boring locations before collection after reviewing the SLWI Seawall Replacement Project, pending finalization, and further review of the 1997 CPE Rock Cores, as well as the previous dredging attempts.

Amdrill, Inc. will supply the barge, drill rig, and drillers, while APTIM will provide a geologist to supervise, log, and collect samples from each boring. The SPT borings will be conducted according to ASTM D1586-99 and be logged by an APTIM geologist. All 13 SPT borings will be performed to a final depth of -27.55 ft NAVD88, which will provide information 10 feet below the cut depth of -17.55 ft NAVD88. The APTIM geologist may perform continuous sampling throughout the boring which will result in more N-Value blow counts and a higher definition lithologic log which can aid in future dredging operations. The APTIM geologist will also be responsible for collecting horizontal and vertical positioning data for each boring location utilizing a Real Time Kinematic (RTK) Global Navigation Satellite System (GNSS).

Prior to the start of the survey, reconnaissance of survey control monuments will be conducted to confirm that survey control is in place and undisturbed. 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) near Ocean Inlet Park, if necessary. Horizontal and vertical positioning checks will be conducted at the beginning and end of each survey day using at least two 2nd order monuments or TBMs in the project area.

All horizontal positions will be collected in State Plane Coordinate System Florida East (FIPS Zone 0901) and 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.

Sieve Analysis

Select sediment samples from each SPT boring will be analyzed to determine color and grain size distribution at APTIM's CMEC and USACE accredited geotechnical laboratory in Boca Raton, Florida. APTIM geologists will select up to three (3) sediment samples from each of the thirteen (13) SPT borings to perform analysis on. During sieve analysis, the wet, dry and washed Munsell colors will be noted. Sieve analysis of the sediment samples will be performed in accordance with the ASTM Standard Methods Designation D6913-17 for particle size analysis of soils. This method covers the quantitative determination of the distribution of sand sized particles. For sediment finer than the No. 230 Sieve (4.0 phi) the ASTM Standard Methods Designation D1140-17 will be followed. The fines content is defined as the percentage of material finer than the No. 230 Sieve (4.0 phi, 0.0625 mm). The sieve stack that will be used for mechanical analysis conforms to FDEP sand search guidelines and is shown below in Table 1.

Granulometric Analysis Mesh Sizes with associated Wentworth Size Class.

Sieve Number	Size (phi)	Size (mm)	Wentworth Scale	
3/4	-4.25	19.00	Pebble	Gravel
5/8	-4.00	16.00		





7/16	-3.50	11.20		
5/16	-3.00	8.00		
3 1/2	-2.50	5.60		
4	-2.25	4.75		
5	-2.00	4.00		
7	-1.50	2.80	Granule	
10	-1.00	2.00		
14	-0.50	1.40	Very Coarse Sand	
18	0.00	1.00		
25	0.50	0.71	Coarse Sand	
35	1.00	0.50		
45	1.50	0.36	Medium Sand	
60	2.00	0.25		
80	2.50	0.18	Fine Sand	
120	3.00	0.13		
170	3.50	0.09		
200	3.75	0.08	Very Fine Sand	
230	4.00	0.06		

Table 1-Sieve Analysis

Weights retained on each sieve will be recorded cumulatively. Grain size results will be entered into the gINT® software program, which computes the mean and median grain size, sorting, silt/clay percentages for each sample using the moment method.

Reporting and Deliverables

APTIM will prepare a geotechnical survey report and appendices that can be used to describe the existing conditions to potential dredge contractors for future work in and around the sand trap. The geotechnical survey report will detail the collection and analysis procedures, providing as-collected coordinates and corrected, as-collected top of boring elevations for each boring, boring logs, geological cross-sections, as well as sediment grain size information (granularmetric reports and curves). Georeferenced digital deliverables including the locations and corrected elevations for each boring will also be provided. The APTIM team will be available to the County to discuss the findings of the geotechnical survey with permitting agency representatives as they pertain to the proposed upcoming dredging project. This proposal does not include efforts for further permit modification.

Schedule and Cost Proposal

APTIM, CPE, and Amdrill can begin the planning and execution of the field work within 90 days after issuance of a Notice to Proceed (NTP). A Draft geotechnical survey report will be delivered within 60 days upon completion of the field work. A Final geotechnical survey report will be delivered within 30 days upon receipt of comments on the draft report from the county. APTIM proposes to conduct the services described above for a total fee of approximately \$78,714.96, of which \$40,489.71 will be billed as Lump Sum and \$38,225.25 will be a Not to Exceed amount for Amdrill's costs. Detailed costs showing rates, units, and cost buildup can be found in the following tables below.





Table A: Total Cost Summary													
Cost Category	Program Manager	Professional Geologist	Geologist I	Geologist II	Professional Survey Mapper	Surveyor	Bookkeeper	Clerical	APTIM Labor	APTIM Direct Costs/Equipment (Table B)	Coastal Protection Engineering Subcontractor	Andrill, Inc. Subcontractor (5% Admin/Supervisory Fee)	Project Subtotal
APTIM PBC Contract Rate	\$179.85	\$112.93	\$139.48	\$85.05	\$145.88	\$78.33	\$83.08	\$82.09					
Units	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Cost	Cost	Cost	Cost	Cost
Mobilization/Demobilization	0	0	24	0	0	16	0	0	\$4,568.80	\$2,475.00	\$405.66	\$8,877.75	\$13,852.21
Geotechnical Operations	4	0	40	0	2	50	0	0	\$10,406.48	\$2,475.00	\$405.66	\$29,347.50	\$42,634.62
Geotechnical Analysis	0	8	0	39	0	0	0	0	\$3,440.39	\$2,925.00	\$2,243.46		\$8,608.85
Report	4	40	16	40	2	16	4	4	\$12,243.60		\$1,375.68		\$13,619.28
Task 1 Total Units	8	48	80	79	4	82	4	4	309	\$5,400.00	\$4,430.46	\$38,225.25	Project Total
Task 1 Cost Category Subtotals	\$1,438.80	\$5,420.64	\$11,158.40	\$5,138.95	\$582.72	\$6,259.06	\$332.32	\$328.36	\$30,659.25				\$78,714.96

Table B: APTIM Equipment Cost Detail				
Cost Type	Slew Analysis	Trimble RTK GPS	Task	ODC Subtotal
Unit Cost	\$75.00	\$495.00		\$
Mobilization/Demobilization				
Geotechnical Operations		6		\$2,475.00
Geotechnical Analysis	39			\$2,925.00
Report				
Total Units	39	5		Total Cost
Cost Category ODC Subtotals	\$2,925.00	\$2,475.00		\$5,400.00





Geotechnical / Environmental Drilling | Vibracore | Foundation Services

February 9, 2022

APTIM
725 US Highway 301 South
Tampa, FL 33619

Office: (727) 374-2151
Mobile: (727) 415-3686
patrick.bryce@aptim.com

Attn: Patrick Bryce, P.G.

RE: Spud Barge-South Lake Worth Inlet in Boynton Beach, FL

Per your request, we are submitting the following quote for the above referenced project.

Mobilization/Demobilization.....\$8,000.00
(Spud Barge Mount Drill Rig and Support Boat to/from Boynton Beach, FL)

Daily Rate\$5,000.00/day
(Includes Spud Barge Mount Drill Rig, Support Boat, all tooling to perform drill task, and a 2 or 3-man crew. Based on an 8-hour workday. Estimated time is 2 borings per day.)

Task: 13 – 30' Continuous SPT's with 2" Rock Coring

Client is responsible for RTK GPS coordinates.

Weather Day (Or Anything Out of Amdrill's Control)\$2,000.00/day
Core Boxes (Plastic)\$35.00/ea.
Per Diem (2-Man Crew, Cost is for each Crew Member)\$95.00/day

Time and Material

Barge Mobilization.....\$8,000.00
Daily Rate (4 Days @ \$5,000.00/day)\$20,000.00
Half Day Rate (½ Day @ \$3,000.00/day)\$3,000.00
Weather Days (2 Days @ \$2,000.00/day)\$4,000.00
Plastic Core Boxes (13 @ \$35.00/ea.)\$455.00
Per Diem/2-Man Crew (5 Days @ \$95.00/day per crew member)\$950.00
Time and Material (Not to Exceed Cost).....\$36,405.00

Client is responsible for obtaining all permits and utility clearances.

Prices are based on the client supplying an inspector to locate and log borings.

For additional work or changes not quoted, Amdrill's standard schedule of fees will apply.



A finance charge of 1.5% per month will be added to invoices 30 days past due.

If we can be of any further service or if you have any questions, please call.

Respectfully,

Tim Clarkson

Tim Clarkson
President
tim@amdrillinc.com

VISIT OUR WEBSITE
www.amdrillinc.com

PLEASE SIGN AND EMAIL A COPY TO AMDRILL, INC.

Should it become necessary to place this account with an attorney for collection, suit, or other legal action, I/we hereby agree to pay all cost of such collections, suit, or other legal action, including a reasonable attorney's fee. APTIM acknowledges and agrees that if APTIM and Amdrill, Inc. enter into a proposal to provide service by Amdrill, Inc. that the enforcement of such obligations and the rights of the parties shall be governed by the laws of the State of Florida and venue of any action thereunder shall lie in the State Courts in Orlando, Florida.

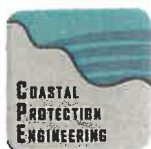
APTIM understands that all payments for services rendered by Amdrill, Inc. shall be due and payable by APTIM within 90 days of invoicing from Amdrill, Inc. APTIM further understands and agrees that **SERVICE CHARGES of 1.5%** per month will be added to the new balance if unpaid within 30 days.

CORPORATE OFFICER'S SIGNATURE _____

PRINTED NAME _____

TITLE _____

DATE _____



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

February 14, 2022

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

Re: Proposal to Provide Support for the Geotechnical Survey at the South Lake Worth Inlet Sand Trap

Dear Beau,

This proposal is for Coastal Protection Engineering LLC (CPE) to provide coordination support for the geotechnical survey at the South Lake Worth Inlet sand trap. We propose to provide professional services to support geotechnical reporting, updated dredge volume calculations, and permitting agency coordination as detailed in Task 1 below, as well as perform 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 – Geotechnical Survey at the South Lake Worth Inlet Sand Trap

CPE will provide support to APTIM for the geotechnical survey by reviewing the field plan prior to mobilization as well as be available to discuss conditions encountered during coring and the following lab analyses. Once analyzed by APTIM, CPE staff will assist in reviewing the findings of the geotechnical survey and preparation of documentation to support the County's future bidding of dredge projects in and around the sand trap. CPE engineers will perform updated dredge volume calculations (beach compatible vs. non beach compatible material) within the currently designed permit template and side slopes, based on the latest bathymetric surveys available. A summary of findings regarding geotechnical information and any needed volume adjustments to the design shall be prepared for deliverable by APTIM with support from CPE. A CPE biologist and professional engineer will be available to discuss the findings with permitting agency representatives as they pertain to the proposed upcoming dredging project. This proposal does not include efforts for further permit modifications or adjustment to the plan view extents of the proposed dredge area.

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

Sincerely,


Tara Brenner, Senior Coastal Engineer
Coastal Protection Engineering LLC
Mobile: 631-896-9137
tbrenner@coastalprotectioneng.com

cc: Stacy Buck, CPE
Thomas Pierro, PE, D.CE, CPE



Quote No. 2021090

Submitted to:
Beau Suthard
 725 US Highway 301 South, Tampa, FL,
 33619

Client Contact:

Project Name:

Date: 01/26/2022

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

Project manager:
 Tara Brenner
 Phone: +16318969137
 E-mail: tbrenner@coastalprotectioneng.com

PBC 2019 - Senior Marine Biologist (SB)	6	141.09	846.54
PBC 2019 - Senior Coastal Engineer (TB)	16	202.83	3,245.28
PBC 2019 - Coastal Engineer I	4	84.66	338.64
Subtotal:			4,430.46
Tax:			0.00
Total (USD):			4,430.46

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.

First Amendment (R2021-1435) dated October 5, 2021 extends the contract through October 7, 2022.

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 8/11/2021
1542-10	96,680.68 63,970.28	6/11/2022	Currie Park East Disposal Site Design and Permitting	CRC 8/11/2021
First Amendment			1-Year Contract Extension	BCC 10/5/2021
1542-11	137,217.00 15,225.00	8/1/2022	South Lake Worth Inlet Seawall Replacement	BCC 11/2/2021
1542-12	202,198.42 195,012.22	12/31/2022	2022 Sea Turtle Monitoring - Singer Island & Ocean Ridge	BCC 2/8/2022
1542-13	78,714.96 4,430.46	9/1/2022	Geotechnical Survey at South Lake Worth Inlet Sand Trap	CRC

Total: 1,203,429.46

SBE-M/WBE: 719,775.48

SBE-M/WBE Participation: 59.8%

Report Date & Filename: 02/22/22

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