

SCOPE OF WORK SOUTH MARCO BEACH RESTORATION USACE PERMIT

CONTRACT 18-7432-CZ

APRIL 21, 2022 (valid for 90 days)

Introduction: The following is a scope of services for obtaining a new permit from the U.S. Army Corps of Engineers for the dredging of sand from Caxambas Pass and placement of the sand as beach restoration along the south segment of Marco Island. The previous permit SAJ-2005-2726(SP/MOD-MMB) was issued for 15 years and expired January 5, 2021. A new application will be necessary to issue the same permit for the next 15-years, which is the maximum time period that the state FDEP issues permits for beach restoration. This Project has been completed on approximate 7-year intervals and the last project was completed in 2020 and is currently being monitored.

A preliminary meeting held with the USACE staff in Ft. Myers was completed on April 6, 2022, and the staff is supportive of processing a new request. The new application will need to be reviewed with the national Marine Fisheries Service (NMFS) and the U.S. Fish and Wildlife Service (FWS). With no changes up front the processing may be processed more efficiently to reestablish authorization for beach fill. Following permit issuance, future permit modifications may be filed potentially for the expansion of the sand source depending on the monitoring and in-filling rates at the borrow area.

Services provided by H&M will be invoiced based on Time and Materials. The budget and tasks are proposed based on past permitting, project implementation and project performance. An allowance of \$5,000 for limited environmental assessment of submerged resources is included as optional in case requested by the federal resource agencies. This budget assumes no additional technical analysis or justification based on initial conference with USACE staff.

Task 1: Permit Drawings, draft application and formal Federal Pre-application meeting

Permit Drawings: Engineer shall prepare drawings in support of a permit application for activities previously authorized under USACE permit SAJ-2005-2726(SP/MOD-MMB) for the restoration of the South portion of Marco Island. Sand sources include the Borrow Area in Caxambas Pass as well as use of truck hauling of sand from an acceptable inland source. Plans will be prepared based on the latest monitoring data for the beach and borrow area. Application for the work will be prepared on USACE Engineering Form 4345. Supporting documentation will be compiled in a brief summary for review by the USACE and federal resource agencies (NMFS and FWS). This will include a summary of beach nourishment events at the site, relevant Programmatic Biological Opinions and past compliance records of the project and project performance through project monitoring.

Pre-Application Meetings: Upon completion of the permit drawings and draft application by the County, Engineer will coordinate with County and Jacksonville District USACE staff and meet on a formal pre-application basis. Staff of NMFS and FWS will be invited to join the meeting.

Deliverable: Permit Drawings and summary of meetings with USACE.

Task 1 (TM) Estimate: \$15,078

Task 2: USACE Permitting

Federal Permit Application: Based on feedback from federal agencies, Engineer will prepare and file the necessary permit application for the Beach Restoration of South Marco Island using either the same borrow area from Caxambas Pass or an inland mine depending on sand availability and scope of the fill project. Engineer will utilize existing physical and biological data to initiate the permitting process.

Requests for Additional Information (RAI): Engineer will respond to RAIs to complete the application for the federal permit so that the public notice may be issued in a timely manner. Engineer will coordinate with the U.S. Fish and Wildlife Service (FWS) and National Marine Fisheries Service (NMFS) as necessary during the permit coordination. Engineer will coordinate all responses through Coastal Zone Management and keep the County and City of Marco informed as stakeholders. Local County staff expertise and physical and biological monitoring of the previous projects completed at this location will be potential resources in addressing questions from the federal staff. Response time to Agency requests will depend on scope of information requested. If new data collection is required, Task 3 will be used to obtain additional site biological data.

Deliverable: Approved USACE Permit Modifications and approved Permit Drawings.
Task 2 (TM) Estimate \$14,054

Task 3: Subconsultant

Earth Tech – Subconsultant Environmental subconsultant to address request for additional site biological data including assessment of submerged aquatic vegetation and natural resources in vicinity of borrow area, if needed.

Deliverable: Environmental Resource Survey Report
Task 3 (TM) Estimate \$5,000

The Tasks listed above will be completed in 365 days from the NTP.

Professional Services as referenced herein will be provided based on a Time and Materials Basis for a total Not to exceed budget of \$34,132. Application fees will be addressed separately by County. Professional services will be provided in accordance with Contract 18-7432-CZ between Engineer and County. Proposal valid for 90 days.

Sincerely yours,

HUMISTON & MOORE ENGINEERS



Brett D. Moore, P.E., D.CE.
President

South Marco Beach Restoration Project - USACE Permitting						
Estimate						
1. Permit Drawings and Drafft Application, USACE Pre-application Meetiing						
1.a	Data review and development of updated permit drawings. meet with county					13,380.00
1.b	Pre-application meetings					1,698.00
Task 1 Subtotal:						15,078.00
2 - Federal Permitting						
2.a	Prepare USACE Submittal, supporting documentation, plans, reports, RAI					6,486.00
2.b	Federal Permitting - USACE					7,568.00
Task 2 Subtotal:						14,054.00
3- Subconsultant						
3	Biological data collection					5,000.00
Task 3 Subtotal						5,000.00
Total:						34,132.00
Summary Breakdown of Cost Estimate						
		RATE/UNIT	HOURS/QT	COST		AMOUNT
	Principal Engineer	231	25			5,775.00
	Senior Engineer	177	8			1,416.00
	Project Manager	160	0			0.00
	Engineer	130	80			10,400.00
	Senior Designer	140	0			0.00
	Designer	105	44			4,620.00
	Senior Technician	103	44			4,532.00
	Inspector	93	0			0.00
	Technician	83	2			166.00
	Cadd Technician	107	16			1,712.00
	Clerical/AdministrativeAdmin/clerical	73	7			511.00
	Environmental	1	5,000.00			5,000.00
	EXPENSE			0		0.00
					Project Total:	34,132.00



FROM

Jeremy Sterk
Earth Tech Environmental
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Bonita Springs, FL 34135
www.eteflorida.com

PHONE

239-304-0030

FOR

Humiston & Moore Engineers

TO

Brett Moore

EMAIL

bdm@humistonandmoore.com

ADDRESS

5679 Strand Court
Naples
FL 34110

COPY TO

Matthew Fleming

QUOTE NUMBER

2184

DATE

April 28, 2022

VALID UNTIL

May 28, 2022 at 1:00PM

ETE Proposal for Environmental Consulting Services - South Marco Beach Restoration Project

Project: South Marco Beach Restoration Project

Reconnaissance Seagrass\Benthic Resources Survey.

Thank you for the opportunity.

Earth Tech Environmental, LLC (ETE) appreciates the opportunity to provide you with the following agreement for professional environmental services.

Scope of Professional Services:

ETE is proposing the following Scope of Services for this project:

Benthic Resource Survey (Lump Sum):

An in-water survey of benthic resources (i.e., oyster reefs and SAV) in the vicinity of the borrow area at Caxambas Pass . The purpose of this survey is to delineate the edges of any benthic resources and to document their current condition. This information shall be used to minimize potential impacts to benthic resources. Benthic survey will be conducted by SCUBA certified consultants experienced in benthic observations and identification. ETE will prepare a report summarizing field findings and identified resources will be GPS located with ArcGIS shapefiles provided to the engineer. This is a lump sum task (per survey event). ETE will supply all equipment necessary to complete the survey, including boats and SCUBA gear. This is a reconnaissance survey - if more detailed analysis is required by the County or FDEP, an additional scope and cost will be provided.

5,000.00
x 1
5,000.00

Total

\$5,000.00

We appreciate your business!

Thank you for allowing Earth Tech Environmental LLC to provide you and your community with environmental services. This proposal can be authorized by digitally signing below. You can also print a PDF version of this agreement, sign, and return a copy to us.

Payment Options:

ETE accepts cash, check, or credit cards for services. A 3.8 % convenience fee is added to all credit card transactions.