

EXECUTIVE SUMMARY

Recommendation to approve the revised scope of work for the Emergency Beach Berm renourishment project by CP&E for \$13,985.

OBJECTIVE: Approval of the revised scope of work for the Emergency beach Berm renourishment project just south of Doctors Pass.

CONSIDERATIONS: The Board of County Commissioner along with the TDC authorized Emergency Beach renourishment for the area south of Doctors Pass. A two part project was authorized but the desired goal was to execute a single project with sufficient mass (35,000 CY's) to protect the upland beach structures early in hurricane season.

This was not possible due to the inability of the regulatory agencies to issue permits and a revised Biological Opinion in a timely basis. Two projects will now be executed: a 2,000 CY project now to stabilize the beach berm in front of Doctors Pass Condo's and a 33,000 CY project most likely after turtle nesting season to complete the renourishment of both the Park Shore and Doctor Pass beaches.

This is the additional engineering cost required for two verses one project.

ADVISORY COMMITTEE RECOMMENDATIONS: Staff is recommending approval of this item.

FISCAL IMPACT: The Source of funds is from Category "A" Tourist Development Tax fund 195. The cost of this work is \$13,985.

GROWTH MANAGEMENT IMPACT: There is no impact to the Growth Management Plan related to this action.

LEGAL CONSIDERATIONS: This item has been reviewed and approved by the County Attorney's Office and is legally sufficient for Board action. - CMG

RECOMMENDATION: Approval of the revised scope of work for the Emergency beach Berm renourishment project just south of Doctors Pass.

PREPARED BY: Gary McAlpin



COASTAL PLANNING & ENGINEERING, INC.

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June 18, 2010

Gary McAlpin
Collier County Government
W. Harmon Turner Bldg., Suite 103
3301 E. Tamiami Trail
Naples, FL 34112

**Subject: Collier County, Florida, Emergency Beach Berm Restoration Project-
Construction Services Scope of Work (Contract No. 09-5262)**

Dear Gary:

Enclosed is a revised scope of work and fee proposal for the emergency berm restoration project for Collier County, Florida. Coastal engineering and survey services needed to update existing plans, coordinate with permit agencies, assist with project negotiations and construction management are proposed.

The scope of the original project has changed. The project was originally scoped as a simple CCCL permit and truck haul plan and specifications using a proven contractor and supplier. Due to the advanced state of erosion, a formal JCP permit modification with an updated Biological Opinion is required. Permitting for construction during sea turtle nesting season has increased the permit process time to deal with concerns from government agencies at all levels. Therefore the County is implementing an emergency project pending permit approval of the more comprehensive plan. This scope of work is related to PO 45-116723.

The following tasks are required to prepare for and provide observations services for the emergency berm restoration project:

- I. Emergency Beach Berm Restoration Project-Construction Services
 - a. Survey the MHW line and add MHW to existing plan sheets.
 - b. Evaluation of new sand source, sand analysis, and FDEP coordination.
 - c. Prepare project description, update plan and cross section views and develop QA plan in support of contractor negotiations and construction.
 - d. Assist county inspector, attend pre-construction meeting, and make periodic observation of projects for a total of three (3) site visits. Provide laboratory analysis of delivery of sand (2 samples).
 - e. Prepare and submit after the fact permit application with as-built report.

The fee for these services is \$13,985 lump sum.

Emergency Berm Restoration (Contract No. 09-5262)

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If you have any questions regarding this scope of work, please call me.

Sincerely,

COASTAL PLANNING & ENGINEERING, INC.

A handwritten signature in black ink, appearing to read 'S. Keehn', written over the company name.

Stephen Keehn, P.E.
Senior Coastal Engineer

cc: Sheri Dindial, CPE

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**CONSTRUCTION SERVICES - EMERGENCY BEACH BERM RESTORATION PROJECT
 FEE PROPOSAL FOR COASTAL ENGINEERING / ECOLOGICAL SERVICES COLLIER COUNTY, FL
 Contract No. 09-5262**

TASK	LABOR COST										DIRECT COST	
	Principal Engineer (Hours)	Senior Coastal Engineer (Hours)	Senior Inspector CE (Hours)	Senior Planner (Hours)	Planner - Mapper (Hours)	Environmental Specialist (Hours)	Designer- Ecologist (Hours)	Survey Crew 2 Man (Hours)	CADD Technician (Hours)	Admin Assist. (Hours)	Laboratory & Field Expenses	
I. PLANNING AND CONSTRUCTION SERVICES												
A. SURVEY MHW, DATA REDUCTION AND ADD TO PLANS					1			4	6			
B. EVALUATE NEW SAND SOURCE, SAND ANALYSIS AND PREPARE FDEP COORDINATION		4	8	1	2	2	1			1	\$140	
C. PREPARE PROJECT DESCRIPTION AND UPDATE PLANS FOR NEGOTIATIONS & CONSTRUCTION		16	24						6	2		
D. ASSIST COUNTY INSPECTOR, PRECONSTRUCTION MEETING AND SAND QA ANALYSIS (4 Days)		8	16				1				\$535	
F. AFTER THE FACT PERMIT & POST-CONSTRUCTION REPORT.		4	12						6	2		
Total Labor Hours	0	32	60	1	3	2	2	4	18	5	675	
Labor Rate	\$195.00	\$155.00	\$85.00	\$140.00	\$110.00	\$115.00	\$100.00	\$130.00	\$85.00	\$60.00	1	
Labor Cost	\$0	\$4,960	\$5,100	\$140	\$330	\$230	\$200	\$520	\$1,530	\$300	675.0	
TOTAL COST												
		Lump Sum										
		\$13,985										

Schedule B

Contract No: 09-5262 "County Wide Engineering Services"

Standard Hourly Rate Schedule for all disciplines

<u>Personnel Category</u>	<u>Standard Hourly Rate</u>
Principal	\$195
Senior Project Manager	\$165
Project Manager	\$148
Senior Engineer	\$155
Engineer	\$119
Senior Inspector	\$85
Inspector	\$65
Senior Planner	\$140
Planner	\$110
Senior Designer	\$115
Designer	\$100
Environmental Specialist	\$115
Senior GIS Specialist	\$145
GIS Specialist	\$100
Clerical	\$60
Surveyor and Mapper	\$130
CADD Technician	\$85
Survey Crew - 2 man	\$130
Survey Crew - 3 man	\$160
Survey Crew - 4 man	\$180

This list is not intended to be all-inclusive. Hourly rate fees for other categories of professional, support and other services shall be mutually negotiated by the County and firm on a project by project basis as needed.