

**PIRATE HARBOR INTERIOR CHANNEL DREDGING
PERMIT AGENCY RESPONSES & COORDINATION
SCOPE OF WORK
CEC FILE NO. 05.100
FEBRUARY 19, 2007**

These services are proposed to assist the County and stakeholders respond to the DEP's second Request for Additional Information (RAI) dated January 25, 2007. It is noted that the DEP has raised significant issues within the RAI.

As such it is understood that several of these issues will remain outstanding specifically those regarding this project's connection to the outer channel:

- justification of the dredge depth within the interior channels to the limits proposed by DEP taken as the perceived limiting depth on the outside channel
- demonstration that the project can stand alone and not require dredging of the outside channel
- secondary impacts such as impacts to water quality and prop dredging in the outer channel, Charlotte Harbor, and associated drainage basin.

Further, this scope includes continued coordination with the U.S. Army Corps of Engineers.

TASK VII: CONSTRUCTION DETAILS

A. Spoil Site Details

Provide typical retention volumes for the disposal cells and comparison to dredge volumes for rock. Assist the County obtain the required easements from the private property owners authorizing the use of the properties for the offloading and placement of the dredge materials as well as granting DEP access for site inspections and compliance checks. Provide spoil site restoration specifications.

B. Backfill Material

Assist the County identify and provide details regarding the source and content of the backfill material to establish the proposed dredge depth after rock removal is completed.

C. Construction Methods & Schedule

Provide construction specifications regarding rock removal via a rock punch. Assist the County prepare a construction schedule.

TASK VIII: RESOURCE SURVEY

A. CAMA Coordination

Coordinate with the CAMA staff to support the RAI Response No.1 statements including obtain a copy of their inspection notes, survey results, and confirmation that the proposed rock removal sites are devoid of natural resource habitats.

B. Detailed Biological Survey

If CAMA staff do not provide the required confirmation, conduct a detailed biological survey to identify and map submerged resources including submerged or emergent vegetation, oyster beds, hard or soft corals, and sponges within and adjacent to the proposed rock removal sites.

TASK IX: RAI NO. 2 RESPONSE

Prepare and submit to County a draft response based on above work. Attend one meeting with staff and stakeholder to review draft. Based on comments, finalize and submit RAI No. 2 Response to DEP.

TASK X: CORPS PERMIT COORDINATION

Continue to monitor the progress of the permit application with the U.S. Army Corps of Engineers. Assist with the issuance of the project public notice. Respond to one request for additional information based on existing data and permit files.

TASK XI: CLIENT COORDINATION AND PROJECT ADMINISTRATION

A. Project Administration

Communicate routinely with County Project Manager and stakeholders via telephone and emails. Provide County electronic copies of all design plans, drawings, and correspondence as requested.

PIRATE HARBOR INTERIOR CHANNEL DREDGING
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 Detailed Summary of Estimated Fees
 February 19, 2007

Task Description	Coastal Engineering Consultants							Subtotal Fees	Direct Costs Amount	Desc.	Total
	Principal Engineer \$175	Associate Engineer \$155	Associate Scientist \$155	Project Engineer \$105	Senior Technician \$85	Admin \$50					
TASK 7 CONSTRUCTION DETAILS	4	4	0	16	8	2	\$3,780	\$100	Trvl	\$3,880	
TASK 8A CAMA COORDINATION	2	0	4	0	0	2	\$1,070			\$1,070	
TASK 8B BIOLOGICAL SURVEY	0	0	12	0	12	2	\$2,980	\$100	Reimb.	\$3,080	
TASK 9 RAI NO 2 RESPONSE	4	4	12	8	0	2	\$4,120	\$100	Reimb.	\$4,220	
TASK 10 CORPS PERMIT COORDINATION	2	0	12	0	0	2	\$2,310			\$2,310	
TASK 11 CLIENT COORDINATION & PROJECT ADMIN	4	4	4	0	0	2	\$2,040	\$100	Reimb.	\$2,140	
Total Hours :	16	12	44	24	20	12	128				
Total Costs:	\$2,800	\$1,860	\$6,820	\$2,520	\$1,700	\$600	\$16,300	\$400	check	\$16,700	