

EXECUTIVE SUMMARY

Recommend approval of Work Order CPE-FT-3902-07-04 under Contract 06-3902 with Coastal Planning & Engineering for scope of services to provide engineering support for Beach Renourishment/Small Sand Source Desk Top Study for time and material not to exceed \$4,500.00.

OBJECTIVE: To recommend approval of Work Order CPE-FT-3902-07-04 with Coastal Planning & Engineering for scope of services to provide engineering support for Beach Renourishment/Small Sand Source Desk Top Study for time and material not to exceed \$4,500.00.

CONSIDERATIONS: Collier County has a need for small offshore sand sources to nourish emergency or small beach projects between major Renourishment. The sand searches conducted for the 2006 Collier County Beach Renourishment Project focused on borrow areas with half a million CY of sand or more. This is a proposal to review the sand search results for the past 20 years and see if there are any potential borrow areas with between 25,000 and 100,000 CY.

This desk top investigation will create a map showing the location of potential small borrow areas or offshore regions that have not been previously investigated due to a lack of information. A cursory review of existing data indicated that there is a fair chance that a sand source of this type can be identified.

COUNTY ATTORNEY FINDING: A finding by the County Attorney is not required for this item.

ADVISORY COMMITTEE RECOMMENDATIONS: On April 12, 2007 the CAC recommended approval of this item 8 to 0.

FISCAL IMPACT: The Source of funds is from Category "A" Tourist Development Tax.

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

RECOMMENDATION: To recommend approval of Work Order CPE-FT-3902-07-04 with Coastal Planning & Engineering for scope of services to provide engineering support for Beach Renourishment/Small Sand Source Desk Top Study for time and material not-to-exceed \$4,500.00.

PREPARED BY: Gail Hambright, Tourist Tax Coordinator

Proposal for
Small Sand Source Desk Top Study
Coastal Planning & Engineering, Inc
Feb 16, 2007

Collier County has a need for small offshore sand sources to nourish emergency or small beach projects between major renourishment. The sand searches conducted for the 2006 Collier County Beach Renourishment Project focused on borrow areas with half a million cy of sand or more. This is a proposal to review the sand search results for the past 20 years and see if there are any potential borrow areas with between 25,000 and 100,000 cy. This is the size of a FEMA type emergency project or a small project to address a localized erosion hot spot. This desk top investigation will create a map showing the location of potential small borrow areas or offshore regions that have not been previously investigated due to a lack of information. A cursory review of existing data indicated that there is a fair chance that a sand source of this type can be identified.

Traditional dredging mobilization is expensive. Technologies suitable for small projects will be identified that can be used to economically dredge, transport and place small quantizes of sand on the beach without the use of trucks.

A short summary report and map of potential sand sources and methods will be prepared. The report will contain an estimate of sand size, quality and quantity. The results will be presented in a power point presentation at the time and location of the County's choosing. The cost to put this information together and present it at a CAC meeting will not exceed \$4500 for the County.

FEE PROPOSAL

Professional	Hours	Hourly Rate	Sub-Total
Senior Coastal Engineer	8	\$125.00	\$1,000.00
Senior/Professional Geologist	9	\$120.00	\$1,080.00
Geologist	15	\$90.00	\$1,350.00
GIS Operator	8	\$80.00	\$640.00
Secretary	6	\$50.00	\$300.00
Travel			\$130.00
TOTAL			\$4,500.00