

Modern Venice Committee
City of Port Isabel, Texas

Dredging Project Preliminary Information

On or before July 24, 2007, the City of Port Isabel intends to release a formal bid package for the following described dredging/dragline project. The purpose of this document is to provide potential contractors with advance information on the project to help speed up the bidding process after the formal package is released. This document is being provided by the Modern Venice Committee (MVC) which is a group of individuals appointed by the Commissioners of the City of Port Isabel and chartered to provide assistance to city management to accomplish dredging the Small Boat Harbor entrance and to help in the development of the west side small boat harbor, an area commonly called the West Fingers.

Contracts: For a number of financial and political reasons, the city anticipates receiving bids for three separate but related projects:

- Contract A Dredge or dragline the harbor entrance as described in the technical details below.
- Contract B Dredge or dragline the west fingers channel as described below in the technical details below.
- Contract C A combination of A & B performed concurrently.

Type of Contract: The city anticipates that contracts issued under this request for proposal (RFP) will be firm fixed price.

Evaluation Criteria: This is considered an urgent project in which time is of essence. The contractors will be selected based on proposed cost and on the time in which they can complete the project, each weighing more or less equally.

Terms and Conditions: Contractors can expect normal municipal contract terms and conditions including requirements for workman's compensation insurance, surety bonds, hold harmless clauses and normal boilerplate. No unique terms or requirements are anticipated.

Acceptance Criteria: Contractors will be responsible for their own survey work before and after the work. The city may perform spot measurements to validate contractor's data.

Contract "A" Technical Details – Dredging the harbor entrance only

General description: This contract will be for the removal of sand, debris, and mud to create a channel 1100 feet long, 40 foot bottom width with sidewalls having a 3:1 slope. The channel shall have a minimum depth of 6 foot at Mean Low Tide.

To achieve this, the MVC estimates that approximately 6500 yards of material must be moved to the spoil site (see survey data below). The bottom is believed to be hard sand. Contractors are reminded that they will be responsible for their own survey work; use this estimate only as a guide.

The channel will start at the center of the eastbound channel and proceed seaward following the centerline of Corps of Engineers channel for 1100 feet in accordance with COE permit 24482. Dredging may be done by hydraulic and/or mechanical methods.

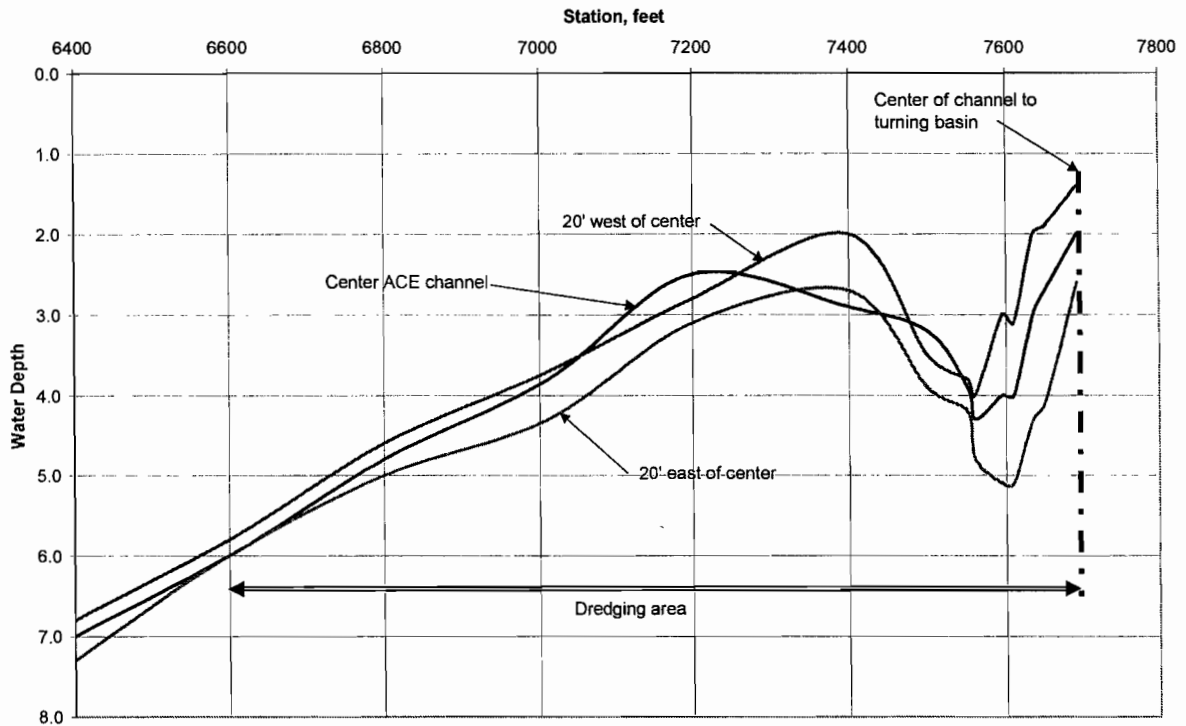
Spoil disposal: Dredging material must be placed in the Derry Park disposal site located approximately 1100 feet west of the channel. The contractor will have to prepare the Derry Park site to receive the spoil material. The permit requires the spoil site have 6-foot high berms and a pipe discharge surrounded by silt fencing.

Survey data: The Corps of Engineers performed a detailed survey of the Port Isabel entrance channel from the ICW to the Highway 100 Bridge on 23 April 2007. This highly useful data, which provides cross sections of the channel every 200 feet, is available to prospective contractors upon request in a PDF format.

The MVC has analyzed the Corps data and has concluded that approximately 6500 yards of material must be removed to guarantee a minimum depth of 6 feet over the 40 foot wide bottom. The assumption was contractors would dredge to 7 feet to assure they would meet the 6 foot requirement. This analysis is available upon request.

A longitudinal cross section of the channel developed from the Corps of Engineers survey data is shown below. The three curves represent the bottom depth contour at MLW for the center of the COE channel and at the edges of the new channel (± 20 feet).

Water Depth Along Axis of Entrance Channel @ MLW



Contract "B" Technical Details – Dredging West Fingers Channel only

General description: This contract will be for the removal of sand, debris, and mud to create a temporary channel 350 feet long, 15 foot bottom width with sidewalls having a 3:1 slope. The channel shall have a minimum depth of 5 foot at Mean Low Tide. To achieve this, the MVC estimates that approximately 2000 yards of material must be moved to the spoil site. The bottom is believed to be hard sand.

The channel will start 20 feet west of the center of the COE channel and proceed westward 350 feet following the approximate center of the existing channel in accordance with COE General Permit 15926(02)/064. Dredging may be done by hydraulic and/or mechanical methods.

Spoil disposal: If hydraulic dredging is used, the spoil material must be placed in the Derry Park disposal site located approximately 1100 feet west of the channel to the ICW. The contractor will have to prepare the Derry Park site to receive the spoil material. The permit requires the spoil site have 6-foot high berms and a pipe discharge surrounded by silt fencing.

If a dragline is used, the city desires the spoil be placed on the Tarpon Ave finger. This may be a point of contention with the Corps of Engineers and some citizens. While general permit clearly addresses spoil disposal for hydraulic dredging, it does not address spoil disposal if other removal techniques are used. For the time being, it is suggested that contractors consider two bids for Contract "B"; one placing all spoils in the Derry Park disposal site described in the permit; the other placing spoils on the Tarpon finger behind appropriate berms and silt fences. This issue should be resolved in the next couple of weeks.

Survey data: There is no COE survey data available to assist in development of an estimate of material to be removed. For all practical purposes, contractors can assume that the channel has zero water depth at MLW. Based on that assumption, the MVC believes the amount of material to be removed is approximately 2000 cubic yards.