



PAUL SMITH
PUBLIC SERVICES DIRECTOR

Public Services Department

Memorandum

Date: November 7, 2016
To: Pantelis Klonaris, Marine Commerce Committee Chair
Through: Mark LeCouris, City Manager *MLC*
From: Bob Robertson, P.E., Public Services Program Manager, Anclote River Dredge Project Manager *BR*
Subject: Summary of Anclote Dredge Project Update from 11/4/16 MCC Meeting

At the November 4, 2016 Marine Commerce Committee (MCC) meeting, I presented a summary of the Anclote River Dredge project as described below. I'm providing this summary memorandum to you and the MCC as you have requested.

- The United States Army Corps of Engineers (ACE) has recently updated the bathymetric survey to include the entire navigation channel as requested by the City. A hard copy was provided to the MCC members at the 11/4/16 MCC meeting.
- The ACE has updated the dredge material quantity based on the updated survey and appears to be considering dredging to a depth of 11 feet over-dredge. Note that the previous dredge appears to have been dredged to the 10-foot over-dredge specification, so 11-feet would be a significant improvement over the previous dredge. According to computations provided by the ACE, the 11-feet over-dredge would result in 105,396 cubic yards of in-situ dredge material for the entirety of the navigation channel.
- The ACE is considering relocation of the navigation channel southeast of Anclote Key (i.e. Cut 2) to move the channel to deeper waters, thus eliminating the need to dredge this section. This would reduce the dredge material quantities by 46,987 cubic yards resulting in 58,409 cubic yards of in-situ materials remaining to be dredged to the 11-feet over-dredge depth if Cut 2 relocation occurs.
- Assuming a bulking factor of 1.4 for the Dredged Material Management Area (DMMA), or spoils site, the estimated required treatment capacity would be 81,773 cubic yards (1.4 x 58,409). The historical bulking factor of 1.4 for bulk dredge materials was apparently assumed for the 1998 dredge and appears to match up with current expectations as confirmed by Tetra Tech Inc., a consulting engineering firm with dredge design experience.
- Three of seven sites that were identified for possible DMMA sites are deemed to be viable for treating this quantity based on computations prepared by Tetra Tech.

- The owners of all three of these sites have indicated their preference to lease their sites. Karen Lemmons and I have had several meetings with all three owners and have received leasing rate offers from each of them. One of them has offered to include a first-right-of-refusal clause in the leasing contract for purchase of the property should the property be offered for sale at some future date. The other two property owners have offered to temporarily suspend development plans for their properties in order to accommodate the City’s request to lease the property for the proposed purpose.
- As described at the MCC meeting, the cost of the leases and DMMA site development falls within the original projected budget range of \$750k to \$1M as shown in Table 1 below. A lease term of 40 months was assumed to accommodate the entire expected timeframe of this project from design through completion. All three property owners are aware of this potential duration, which is comparable to the duration of the 1998 dredge. Development of the site would include land clearing and dike/berm construction for storage and treatment of the dredged spoils material. The site development cost estimates below were provided by Tetra Tech who analyzed each individual property.

Table 1: Costs Related to Spoils Site¹

<i>Activity</i>	<i>Potential Funding Agency</i>	<i>Site 1</i>	<i>Site 2</i>	<i>Site 7</i>
Lease (40 months)	State of Florida	\$324,662	\$260,000	\$160,000
DMMA Site Development Construction ²	State of Florida or Federal Government (see below)	\$397,919	\$612,972	\$760,973
Total		\$722,581	\$872,972	\$920,973

Notes:

1. Engineering associated with the spoils site would be included in the design phase of the project and paid directly to the ACE. The funding would be provided from Pinellas County’s \$300,000 contribution to the City for the project.
2. DMMA Site Development Construction cost estimates include a 20% contingency

- I have made a request to the ACE to consider DMMA site development costs as described above to be part of the dredge/construction cost. As such, it could potentially be eligible for Federal funding along with the dredging operation. This was not the case in the past. However, the ACE is currently considering this request.

Next Steps

1. The site-specific information has been provided to the ACE. I have requested that the ACE provide an opinion of the potential sites and provide feedback on a site preference, if they have one. This feedback has not yet been received.
2. As stated above, I have requested that the ACE consider including the DMMA site development costs as part of the dredge costs (i.e. federally funding it). This feedback has not yet been received.
3. Once ACE feedback is received from Items 1 and 2; and once the Economic Impact Study has been presented to the City Board of Commissioners, Karen Lemmons and I will prepare an informational request package to send to Florida State Senator Jack Latvala

through the Mayor's office that will include a request for funding for FY18 for the spoils site. The value of this request will depend on the ACE's answers to Items 1 and 2.

This summary as presented to the MCC and summarized in this memorandum will be presented to the City Board of Commissioners at the November 15th regular session. It is scheduled to immediately follow the presentation of the Economic Impact Study at the same meeting.

If you have any questions about this summary, please do not hesitate to contact me.

Cc: Mayor and Board of Commissioners
Marine Commerce Committee
Karen Lemmons, Economic Development Manager and MCC Liaison
Kim Yothers, P&Z Coordinator and MCC Clerk's Office representative
Michele Manousos, Deputy City Clerk