



Meeting: Village Board
Meeting Date: 2/11/2013
Agenda Item: 5e

Mission Statement
Delivering quality services in a courteous, cost-effective and efficient manner.

VILLAGE BOARD MEETING STAFF REPORT

REPORT TO: Burt R. McIntyre, President
Village Board of Trustees

REPORTED BY: []

REPORT FROM: Michael J Kaster, PE, Director of Engineering

AGENDA ITEM: Review and take action on Additional Dredging Options for the Deerfield Docks Boat Launch Improvement Project

POLICY ISSUE

Should the Village Board consider additional dredging or postpone the improvements for the Deerfield Docks boat launch improvement project?

BACKGROUND INFORMATION

Under board request, staff prepared construction documents and permits for improvements at the Memorial Park and Deerfield Docks boat launches. Staff also applied for and received a 45% match funding grant for recreational boating facilities from the Wisconsin Waterways Commission.

The construction projects were bid in December of 2012, and awarded in January of 2013. As construction was about to commence, staff reported to the board that portions of the Deerfield Docks channel to Duck Creek would have 0.5' to no water depth. This is due to water levels in the Lake Michigan system being at a new record low. The January 2013 record of 576.02' is two (2.0') lower than the recorded level when field information was gathered January of 2012.

During design field information collected led staff to determine that dredging from the launch the 1000' to Duck Creek was unnecessary for the type of craft likely to use the launch. Depths were between 1.5' to 2.5' the entire distance, and in talking with contractors experienced in the type of work, the cost required to dredge the entire channel was prohibitive for the small percentage of time that the channel would be too shallow to navigate.

In light of the current water levels in the Lake Michigan system being at record lows staff has investigated the additional dredging for board consideration.

Permitting for the additional dredging would require a Wisconsin DNR Chapter 30 individual permit which has a typical review period of 60-90 days. This would mean that the dredging would not be able to be completed on the ice this winter season, effectively delaying the dredging approximately 11 to 12 months. This is not seen as a concern as our grant funding is available through June 30th of 2014.

The additional dredging would consist of 1,000' of channel dredged to 3.0' below historic low water elevations, and the likely route is depicted on attached map. The dredging would remove approximately 4,500 cubic yards of material and is estimated to cost \$130,000.

Should the board decide to pursue the additional dredging, staff could also look into the possibility of applying for additional grant money from the Wisconsin Waterways Commission. With construction being delayed 11-12 months there would be adequate time to determine if grant funding would be available prior to proceeding with the work. Also, due to the value of the change in work, the work at Deerfield Docks would have to be re-bid as a separate project.

If the board were to decide to remove the work at Deerfield Docks from the current contract the Village would have to pay Peters Construction for concrete plank materials that were ordered and fabricated for the launch, as well as potential lost profit.

PRIOR ACTION/REVIEW

The Village Board approved a motion to "Adopt Resolution 2012-11 Authorizing Improvements to Recreational Boating Facilities at the Howard Memorial Park Boat Launch, and the Deerfield Docks Boat Launch ." on 5/14/2012.

The Village Board approved a motion to adopt Ordinance 2101-12 establishing a fee for the Howard Memorial Park Boat Launch, and the Deerfield Docks Boat Launch on 9/24/2012.

The Village Board awarded the Construction Contract to Peters Construction Inc. for \$93,113.40 on 1/14/2013.

FISCAL IMPACT:

- | | |
|------------------------------|------------------|
| 1. Is There A Fiscal Impact? | <u>Yes</u> |
| 2. Is it Currently Budgeted? | <u>No</u> |
| 3. If Budgeted, Which Line? | <u>Capital</u> |
| 4. Amount: | <u>\$130,000</u> |

RECOMMENDED ACTION

Village staff recommends the Village Board delay the construction of the Deerfield Docks boat launch improvements and apply for additional grant monies to assist in the cost of dredging the channel.

The project could be brought before the board later in 2013 after the grant process is completed for a decision on whether the Village wants to continue with the project, and if the Village wants to continue with the project, in what form does it continue.

If the Village Board wishes to take staff recommendation, the following example motions could be used:

"Motion to delay the Deerfield Docks Boat Launch Improvements to allow for consideration of additional grant and Village funding to dredge from the boat launch approximately 1,000' to Duck Creek."

POLICY ALTERNATIVE(S)

The Village Board could take the following actions:

- Approve a suggested motion
- Approve an alternative motion
- Deny the suggested motions and proceed with the current plan and contract.
- Table the item and request additional information

ATTACHED INFORMATION

- I. Additional Dredging Map

COPIES FORWARDED TO:

- I. None



**DEERFIELD DOCKS BOAT LANDING
ADDITIONAL DREDGING**

SCALE: 1"=100'

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