



Colonial Heights City Council Meeting Agenda Item Executive Summary

City Council Meeting

MEETING TYPE: City Council Regular Meeting

MEETING DATE: February 14, 2023

ITEM: Lakeview Dam Improvements

DEPARTMENT: City Manager

PROPOSED ACTION: Staff discussion with City Council and support to move forward with the project.

BACKGROUND: In August 2020, a large rain event occurred in the City, causing large scale flooding throughout the City. During this event, water rose to where it flowed around the dam structure. This water flow started to erode the soil which held the dam structure in place. At that point, voluntary evacuations were issued for properties downstream of the dam. Fortunately, the dam held in place and Public Works staff was able to fill in the eroded areas.

After the event, the Federal Energy Regulatory Commission (FERC) provided correspondence requiring the City to design and construct improvements to the dam to prevent water from undermining the dam structure.

The design work for the dam improvements was completed, and approved by FERC for construction in Spring 2022. In May 2022, the City put out a bid to construct improvements at Lakeview Dam. We received one bid in the amount of \$765,000. This amount was well over the engineer's estimate of \$300,000. FERC provided an extension of time to construction the improvements (to August 2023).

In December 2022, the City issued a PO for design services with Timmons to provide a report for the Inflow Design Flood (IDF) event (also required by FERC). The PO was issued in the amount of \$45,575. This was charged to the Engineering budget with the vision of combining the IDF report costs and construction costs into a project account once the bids were returned. The use of the Engineering budget was a temporary solution to get the work started, not intended to pay the full amount.

The City received two bids for the improvement work at Lakeview Dam on December 14th. The lowest bid was Abernathy Construction at \$649,150. The costs do not include construction contingency, material testing and Geotech evaluations. This cost is estimated at \$55,275.

Staff is currently working with Dominion Power to save money on power pole shoring. If the power pole can be relocated, we could have a savings of \$50K-\$100K on the overall construction amount.

In summary, FERC has required that the City perform improvement work at Lakeview Dam and draft a report on the Inflow Design Flood (IDF) at Lakeview Dam.

Cost Summary (not including design cost paid previously)

Item	Costs	Payment
IDF Report	\$45,575	Not finalized
Lakeview Dam Improvements – Construction Bid	\$649,150	Not finalized
Construction, Engineering, Inspection and Contingencies – Construction work	\$55,275	Not finalized
TOTAL	\$750,000	

Funding Sources

Category	Amount	Status
Assigned Fund Balance	\$162,151	Budget amendment on February 14 agenda
State Budget Amendment (potential)	\$250,000	
Unallocated ARPA funds	\$337,849	
TOTAL	\$750,000	

The bids received must be awarded by March based on the bid timeframe.

BUDGET/FINANCIAL IMPACT:

Funding for this item was: included not included in the current-year budget N/A
See the summary provided above.

RECOMMENDATION: Staff recommends Council support to move forward with the award of the bid for the Lakeview Dam improvements to the low bidder in the amount of \$649,150 and issuance of a notice to proceed with the work (to be issued in March). Staff will bring back a budget amendment for the additional ARPA funding allocation, and provide a further update on the potential state funding allocation.

ATTACHMENTS: None.

- Staff will be making a detailed presentation on this agenda item at the meeting.
- Staff will provide brief comments and answer questions on this item at the meeting.
- This is a routine procedural item and no presentation is planned for the meeting.

Councilmembers who have any detailed questions or would like to request additional information regarding this item are encouraged to contact the City Manager at their earliest convenience.