

CITY COUNCIL AGENDA ITEM

CITY OF SHORELINE, WASHINGTON

AGENDA TITLE: Authorization for execution of a change order for Skyline Landscaping for the construction of the Meridian Park Wetland Drainage Improvement Project

DEPARTMENT: Public Works

PRESENTED BY: Tricia Juhnke, City Engineer

ACTION: ☐ Ordinance ☐ Resolution ☒ Motion
 ☐ Discussion ☐ Public Hearing

PROBLEM/ISSUE STATEMENT:

The Meridian Park Wetland Drainage Improvement Project was constructed in 2013 with plant establishment remaining through 2015. The project encountered a change in conditions and impacts from high volumes of rain in September that washed out newly constructed walkways and trails. As a result, the costs have exceeded the City Manager's authorization for change orders to the contract amount.

RESOURCE/FINANCIAL IMPACT:

The details on the project budget as adopted in the 2014-2019 Capital Improvement Plan is contained in the table below:

Project Expenditures

Project Administration	\$165,000
Construction	
Original contract	\$169,864
Change order 1	\$49,097
Change order 2 (<i>this change order</i>)	\$17,000
Total Expenditures	\$400,961

Project Revenue

King County Flood Zone District Opportunity Fund	\$108,014
Surface Water Capital Fund	\$292,947
Total Revenue	\$400,961

Project Balance (Revenue-Expenditures) \$0

The adopted 2014 – 2019 CIP included estimated 2013 expenditures of \$208,000 in the Surface Water Utility fund for this project. Actual expenditures totaled \$271,643. The use of additional funds required to complete this project were offset by approximately \$190,000 in savings in other Surface Water capital projects for 2013.

RECOMMENDATION

Staff recommends that Council authorize the City Manager to execute a change order in the amount of \$17,000 to Skyline Landscaping for the Meridian Park Wetland Drainage Improvement Project for a total contract amount of \$235,961.

Approved By: City Manager ***DT*** City Attorney ***IS***

BACKGROUND

The Meridian Park Wetland Drainage Improvement Project, approved as part of the 2013-2018 Capital Improvement Plan, provides flood reduction to downstream properties, wetland enhancement and passive park recreational improvements. The scope of the project included excavation to increase storage capacity, installation of trails and a foot bridge for park users and wetland/habitat enhancements such as plantings and placement of woody debris.

The project was advertised for construction on March 19, 2013. Ten bids were received and Skyline Landscaping was the lowest responsible bidder with a bid price of \$169,863.96. This contract was within the authorization of the City Manager and did not require Council action.

Construction started in July 2013 and final plantings were installed in late 2013. The contractor is responsible for "plant establishment" through 2015. During construction two primary issues contributed to the need for change orders.

The project was designed by a consultant and the design met the objectives and needs of the project to reduce downstream flooding. However, there were errors in the calculations used for the quantities in the bid proposal and several items were underestimated. This resulted in actual quantities exceeding the bid quantities. The most significant example was for the pond excavation, which had a bid amount of 700 cubic yards, but an actual quantity of approximately 2100 cubic yards, resulting in a cost overrun of almost \$54,000.

As staff became aware of this difference in quantity, staff reviewed the plans and contract documents and determined that the quantities utilized for the bid proposal only included the first area of the pond and did not include the more sizable second area of the pond. At the time the discrepancy was discovered staff met to discuss the options and alternatives and determined that proceeding with the original design was the best course of action in order to meet the objectives of the project. This change was addressed in change order number 1, which was in the amount of \$49,097.

DISCUSSION

In addition to the initial change order, heavy rains in September 2013 caused a wash out of several newly installed trails. Repairs of the trail cost approximately \$10,000, which was not included in the original contract scope. To help the trails withstand future heavy rainfall, additional drainage improvements were completed. These repairs, along with other minor changes contributed to the need for this change order. The initial change order was within the authority of the City Manager, but this second change order requires City Council approval. The work on this change order was completed in 2013.

These two change orders result in a revised contract amount of \$235,961. While the project costs are higher than originally estimated, the project meets the project objectives and provides a significant increase in storm water detention and reduces flooding opportunities for the downstream residents.

COUNCIL GOAL ADDRESSED

The project supports Council Goal No. 2: Improve Shoreline's utility, transportation and environmental infrastructure.

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