



**BUSINESS OF THE CITY COUNCIL
CITY OF MERCER ISLAND**

**AB 6078
May 17, 2022
Consent Agenda**

AGENDA BILL INFORMATION

TITLE:	AB 6078: East Mercer Way 5400-6000 Block (Glenhome Drive) Water System Improvements Project Closeout	<input type="checkbox"/> Discussion Only <input checked="" type="checkbox"/> Action Needed: <input checked="" type="checkbox"/> Motion <input type="checkbox"/> Ordinance <input type="checkbox"/> Resolution
RECOMMENDED ACTION:	Accept the completed project and authorize staff to close out the contract.	

DEPARTMENT:	Public Works
STAFF:	Jason Kintner, Chief of Operations Clint Morris, Capital Division Manager Rona Lin, Utilities Engineer
COUNCIL LIAISON:	n/a
EXHIBITS:	1. Project Location Map
CITY COUNCIL PRIORITY:	n/a

AMOUNT OF EXPENDITURE	\$ 1,509,076
AMOUNT BUDGETED	\$ 1,895,870
APPROPRIATION REQUIRED	\$ 0

EXECUTIVE SUMMARY

The purpose of this agenda bill is to accept the completed East Mercer Way 5400-6000 Block (Glenhome Drive) Water System Improvements project and authorize staff to close out the construction contract.

- Work involved replacing over 2,400 linear feet of water main, along with water services, fire hydrants, and other water system components.
- The project was included in the 2015-2016 Capital Budget for design and in the 2017-2018 Capital Budget for construction and was all funded by the Water Fund.
- Construction was performed from April through September 2018.
- Project closeout was delayed until staff were able to resolve post-construction complaints with several affected residents.
- The total project cost was \$1,509,076, which was \$386,794 under the approved budget. Unspent funds remain in the Water Fund.

BACKGROUND

The East Mercer Way 5400-6000 Block (Glenhome Drive) Water System Improvements involved water main replacements along two private roadways lying below East Mercer Way in the 5400 to 6000 blocks, as shown in Exhibit 1.

The existing 4-inch and 6-inch water mains in the neighborhood were installed in the 1950s. These water mains were undersized, had a history of breaks, and had obsolete fire hydrants. A few segments of the old water main ran through residential backyards, under a carport, and through areas where access for repair was significantly obstructed. To construct this project, staff obtained 36 permanent utility easements.

Project design began in September 2016 and was completed in late January 2018. Additional time was needed to complete the design, resolve pavement restoration issues with the Glenhome property owners, and obtain the necessary easements for the new water main alignment.

Three contractor bids were received on February 28, 2018. On April 3, 2018, City Council awarded the construction contract to B & B Utilities in the amount of \$1,283,570.75 and set the total budget at \$1,895,870 ([AB 5405](#)).

Construction activities began in April 2018 and the project was substantially complete by end of September 2018. Work included the installation of 2,450 linear feet of new 8-inch diameter ductile iron watermain, 42 water services, six fire hydrants, four air vacuum release valve assemblies, and two blow-off assemblies. Due to the extensive construction impacts to the existing narrow private roadway, the project's scope included full width pavement restoration. Steep segments of Glenhome Drive were restored with concrete pavement. The remaining roadway received hot mix asphalt pavement. Prior to this project, Glenhome Drive was a concrete roadway, built in the 1960s. After project completion, staff worked with several residents and the contractor to mitigate noise complaints related to the new concrete pavement. The noise issue was resolved after joint sealant was installed at several locations in fall of 2020.

The total cost of the project was \$1,509,076, which was \$386,794 less than the total amount budgeted at the time of the contract bid award. Over 65 percent of the savings were from unused contingency funds and lower than expected construction costs. Additional savings were realized in the categories of construction support and project management. The unspent funding from this project will remain in the Water Fund. The table on the next page provides a summary of project budget and overall project expenditures.

EMW 5400-6000 BLOCK (GLENHOME DRIVE) WATER SYSTEM IMPROVEMENTS PROJECT BUDGET AND ACTUAL EXPENDITURES		
Description	Approved Project Budget	Actual Expenditures
Construction Contract	\$ 1,283,571	\$ 1,166,108
Construction Contingency @20%	\$ 256,714	\$ -
Project Design - Consultant	\$ 149,000	\$ 165,416
Construction Support Services - Consultant	\$ 36,200	\$ 8,762
Project Management/In-House Support	\$ 110,385	\$ 105,998
Inspection	\$ 60,000	\$ 62,792
Total Project Budget and Expenditures	\$ 1,895,870	\$ 1,509,076

RECOMMENDED ACTION

Accept the completed East Mercer Way 5400-6000 Block (Glenhome Drive) Water System Improvements project and authorize staff to close out the contract.