



# MONROE CITY COUNCIL

## Agenda Bill No. 20-025

<b>SUBJECT:</b>	<b>Accept Project/Begin Lien Period for Air Field Waterline Replacement Project</b>
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<b>DATE:</b>	<b>DEPT:</b>	<b>CONTACT:</b>	<b>PRESENTER:</b>	<b>ITEM:</b>
02/11/2020	Public Works Design & Construction	Jim Gardner	Scott Peterson	Consent Agenda #6

**Discussion:** 01/16/2018; 07/10/2018; 08/28/2018: 2/11/2020

**Attachment:** 1. Vicinity Map

**REQUESTED ACTION:** Move to accept the Air Field Waterline Replacement Project, M2018-011, and begin the 45-Day Lien Period; and authorize release of retainage upon filing of Notice of Completion and receipt of State of Washington releases.

### POLICY CONSIDERATIONS

*A project must be accepted by the governing body after all contract work has been completed and required documentation has been received. Once accepted, the Forty-Five-Day Lien Period begins. Within sixty days after project acceptance, and upon receipts of certification from the Department of Labor and Industries, the Department of Revenue, and the Employment Security Department, the governing body shall release any retainage withheld from the contractor.*

### DESCRIPTION/BACKGROUND

This project installed approximately nine hundred feet of twelve-inch water main along the north portion of Snohomish County’s Fairgrounds parking lot. There is an existing water main that runs east-west along the First Air Field property. This existing water main is undersized and prevented the City from meeting fire flow requirements as identified in the Utility Systems Plan within the City’s Comprehensive Plan Update.

The initial concept was to replace the existing twelve-inch ductile iron water main with a sixteen-inch ductile iron water main. A topographic survey was completed, in addition to a wetland and stream delineation study. The survey identified underground power, gas, and communication lines parallel to the existing water main. The wetland and stream delineation study identified a Class I wetland and a Type-F stream, both with one hundred and fifty foot critical area buffers.

The terrain and utility discovery led to a value-engineering analysis to determine the most cost effective and low impact solution. Several alternatives were considered. The selected design would install a new water main within the Snohomish County Fairground’s parking lot, thereby requiring a utility easement. However, this location would avoid sensitive wetland and stream areas, and the existing utilities. The City obtained a 20 foot wide utility easement from the County and completed the design documents. The new water main, together with the existing water main, provides sufficient fire flow capacity for this area of Monroe.

The project was advertised for contractor bids in the Daily Journal of Commerce on August 2, and August 9, 2018. Bids were opened August 17, 2018 and the City received 10 bids from contractors with bids ranging from \$257,245.17 to 422,601.82, inclusive of sales taxes. After review, state licensing verification, and reference calls, the lowest responsive bidder (McCann Construction) was awarded the construction contract for \$257,245.17.

McCann Construction received a "Notice to Proceed" on October 1<sup>st</sup>, 2018. All of the proposed work was completed in 2018, but the City was required to monitor the reseeded areas for a one-year period as part of the Snohomish County permit requirements. The monitoring period ended on October 10, 2019. Change orders totaling \$21,840 brought the final construction contract value to \$279,085.17. Additional project expenses are described below.

**FISCAL IMPACTS**

The Air Field Waterline Replacement Project was included in the approved 2018 budget for the Water CIP 412 Fund. The required monitoring pushed the contract in to 2019. A summary of the construction contract with McCann Construction is listed below:

Original Construction Contract:	\$ 257,245.17
Change Orders:	\$ 21,840.00
Final Construction Contract:	\$ 279,085.17
Final Amount Due to Contractor:	\$ 263,190.96*
Contractor Payments to Date:	\$ 251,140.13
Retainage Withheld:	\$ 12,050.83

\*Based on actual work and cost incurred to complete this project. Actual material quantities were less than the estimated quantities, and provisions for unforeseen underground conflicts did not need to be utilized. As a result, the final amount due to contractor is less than the construction contract.

The following table summarizes the final project finance position:

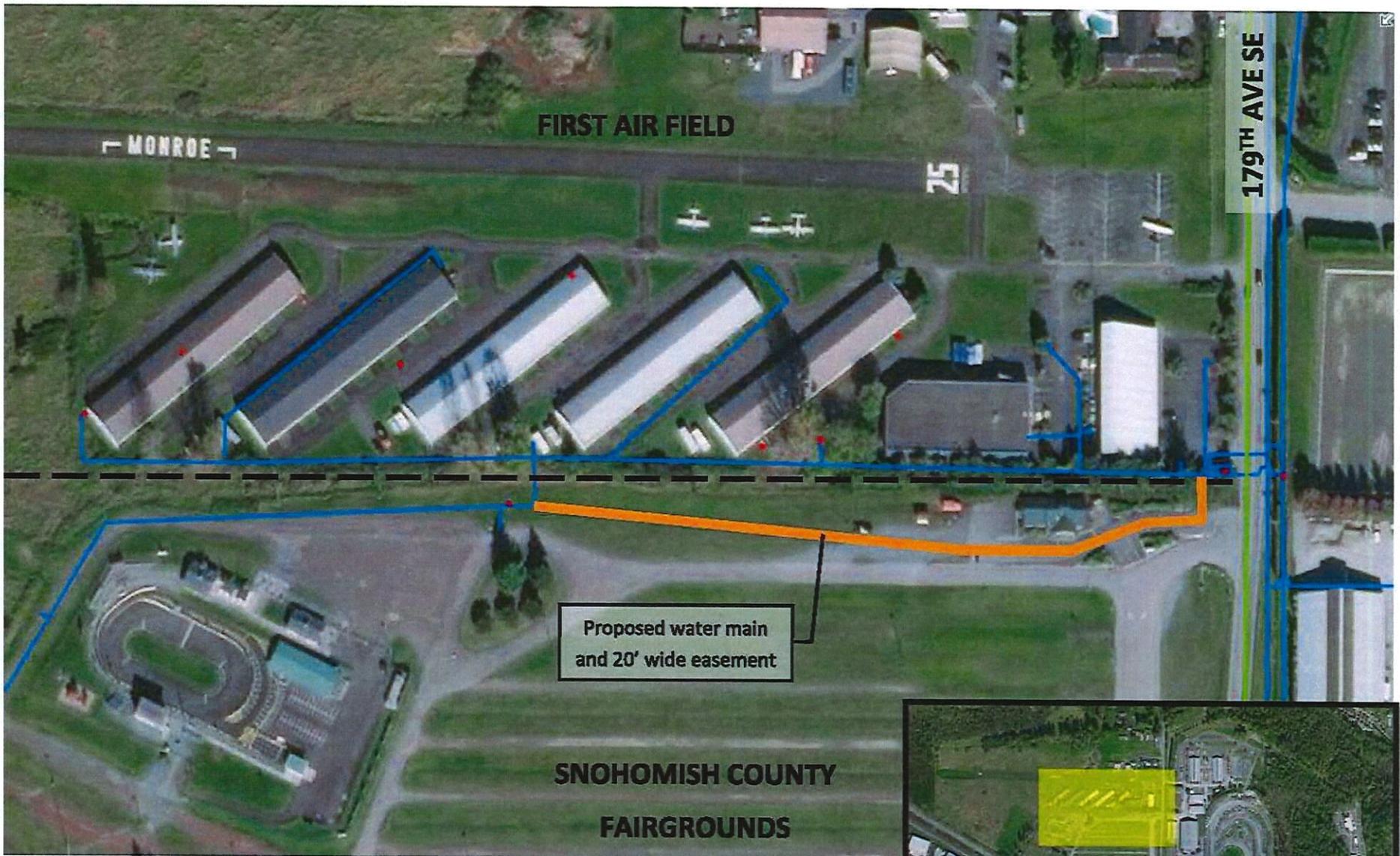
	<b>Anticipated Expenses</b>	<b>Actual Expenses</b>
Design efforts	\$ 19,000.00	\$ 10,789.40
Snohomish County Permits/Easements	\$ 15,000.00	\$ 37,862.42
Advertisement / public notice	\$ 500.00	\$ 484.00
Construction contract	\$ 445,000.00	\$ 263,190.96
Special Inspections/Environmental	\$ 19,500.00	\$ 19,272.87
Administrative costs	\$ 1,000.00	\$ 161.46
<b>TOTAL</b>	<b>\$ 500,000.00</b>	<b>\$ 331,761.11</b>

**TIME CONSTRAINTS**

Per RCW 60.28 once the project is accepted by Council, the City has sixty days to release the retainage.

**ALTERNATIVES**

None.



# Air Field Water Line Replacement Project

Vicinity Map  
June 2018

- Fire hydrant
- Existing water main
- Proposed water main
- - - City limits

