



Waukesha Water Utility

SERVING WAUKESHA SINCE 1886

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MEMORANDUM

DATE: **April 8, 2024**

TO: Dan Duchniak, P.E.

FROM: Chris Walter, P.E.

RE: S. West Avenue Water Main Lining

In early February 2024, our operations crews identified a water main break on S. West Avenue near Progress Drive adjacent to the railroad tracks crossing. Water was able to be turned off and the leak was isolated such that no customers were out of water, which is currently the case. However, the task to repair the water main break is challenging due to the restriction that no excavation can occur within the railroad right of way.

Therefore, we contacted Fer-Pal Construction, LLC, who is a water main lining company located in Elgin, Illinois, who has completed three lining projects with us in the past six years. As part of this work, WWU crews will need to cut in and install two new valves prior to the lining work. Our crews will also be responsible for traffic control, pit excavation and shoring.

As shown on the enclosed exhibit, the work will involve re-lining **480** feet of existing 12-inch cast iron water main from 1958. The lining is able to pass through the two existing valves and the two 45-degree bends. Canadian National Railroad does not allow excavation within 25 feet of the centerline of the railroad tracks. We are in the process of obtaining permits from both Wisconsin DNR and Canadian National Railroad for this work.

The cost of the lining work is **\$138,950**. This does not include the cost for WWU crews to perform their portion of the work.

Recommended Motion: Move to approve the water main lining contract fee totaling **\$138,950** with Fer-Pal Construction for S. West Avenue water main lining project.

(Please note that this item was held from the March Agenda and all updates are in bold)