



## MEMORANDUM

DATE: January 10, 2018

TO: Dan Duchniak, P.E.

FROM: Chris Walter, P.E.

RE: Motor Ave Additional Water Main

As part of our planned construction work this year, the water utility is partnering on a project with the Public Works Department to perform a street and utility reconstruction at the following locations:

- Motor Avenue – from Mountain to Fairview
- Fairview Avenue – from Dopp to St. Paul

However, following our budget approval, Public Works decided to add two more blocks to the project limits on Motor Avenue from Fairview, west to Washington Avenue. Subsequently, they recently asked if the water utility wanted to take the opportunity to reconstruct water main within these additional limits as well. This adds approximately 850 feet of 8-inch main. The existing pipe is 6-inch diameter cast iron from 1927.

After evaluating our budget numbers and completing a detailed cost estimate of the original and additional work, I am confident we have budget available to accomplish this. There is also available money in the “Miscellaneous Routine” account in the Transmission and Distribution Budget.

The majority of the project cost will be due to the 20-inch water main that will be installed in Motor to Fairview, and up Fairview to Dopp Street. Although the proposed additional 8-inch water main will add roughly 60% to the overall project length, it only adds about 10-15% of cost, which equates to around \$100,000.

As you are aware, when possible, it is in the best interest of the utility to replace water main in conjunction with street reconstruction work. This avoids replacing or repairing water main under newer roadways. This project is a follow up phase to this past year’s river crossing project and is scheduled to bid on February 2, 2018.

**Recommended Motion:** Move to approve the additional water main on Motor Avenue from Fairview Avenue to Washington Avenue.





MOTOR AVE & FAIRVIEW AVE. WATER MAIN IMPROVEMENTS