



# CITY OF CONCORD

## REPORT TO THE MAYOR AND CITY COUNCIL

**FROM:** Martha Drukker, Associate Engineer

**DATE:** August 28, 2017

**SUBJECT:** Recommending the use of unexpended water project funds for the repair of roads programed for new water main installation in the FY2017 Water Main Replacement Project.

### **Recommendation**

Accept this report.

### **Background**

During the bidding process for the 2017 Water Main Replacement Project (Community Street, High Street, Walnut Street, and Sanders Street), an alternate bid proposal was sought to base pave the entire roadway upon completion of the water main project in lieu of pavement patching. Cost savings could be realized to the water utility and general funds because of reduced contractor mobilization and paving costs. Alternative bid proposals received for the project were favorable although costs exceeded available funds for the project.

### **Discussion**

Over the past several years, staff from Engineering and General Services has increased coordination on major projects particularly on the development of the annual utility and paving programs. The results that have been realized include lower project costs, reduction or elimination of staff and contractor duplication, and a greater reduction in the duration that neighborhoods are impacted by annual construction projects.

Historically, municipal utilities (water, sewer, and storm drain) on a street scheduled to be paved are replaced or upgraded a year or two in advance of the street paving. In designing the 2015 and 2016 utility replacement projects, it became apparent that the amount of water, sewer, storm drain and related appurtenances that were in need of replacement would result in trench patching entire roads. This type of undesirable road condition would remain in place until it was scheduled for paving. Once again the neighborhood would be disrupted for the better part of a summer while the road was reclaimed and paved.

Including the base paving within the utility project results in overall cost savings and less neighborhood disruption. General Services will return the following year to install the wearing course pavement which typically only takes a matter of days. This process was proven successful on last year's water replacement project where a similar full street paving occurred.

Therefore, it is recommended to repurpose \$160,000 remaining in unexpended 2014 CIP#85 Loudon Road Water Main Replacement Project funds for use on the 2017 CIP#85 Penacook Water Main Replacement Project.

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