



CITY OF CONCORD

New Hampshire's Main Street™

REPORT TO MAYOR AND CITY COUNCIL

DATE: July 17, 2018

To: Mayor and City Council

From: Earle M. Chesley, P.E., General Services Director
David Cedarholm, P.E., City Engineer

Subject: Repurpose funds from FY 2016 and FY 2017 Capital Improvement Project CIP#85 to Replace Approximately 350 LF of failing existing 16" Ductile Iron Water Pipe in Langley Parkway

Recommendation

Accept this report and approve the attached consent resolution.

Background

Late this spring, General Services Department staff discovered the existing 16" ductile iron water pipe located in Langley Parkway immediately north of its intersection with Pleasant Street developed a leak. Upon excavation of the location to make the immediate repair, staff discovered a section of the pipeline was pitting and developing pinhole leaks along its invert. Further explorations of the pipeline alignment determined it would be appropriate to replace approximately 350 LF of the existing ductile iron pipe with polyvinyl chloride water pipe to assure continued uninterrupted service. This water transmission main serves the Concord Hospital, adjacent medical facilities and neighboring communities in the south western portion of the city. The cost to complete the replacement including engineering, construction, and administration is estimated to cost \$225,000.

Discussion

Currently, the construction firm N. Granese and Sons, Inc., is under contract with the City replacing various waterlines in the neighborhood near the Concord High School as part of FY 2018 CIP#85. The construction contract is administered by the Engineering Services Division who has secured a quote to replace the 350 LF of water line of concern in Langley Parkway. It

is anticipated the work will take approximately two weeks to complete and could be completed during this year's construction season.

Due to the favorable bids received in FY 2016 and FY 2017, funds are available within CIP#85 to complete the work.