

**Project Number:** WU04  
**Project Title:** Water Distrib. System - Rehabilitation/Replacements  
**Department Name:** Water/ Wastewater

**Asset Type:** Water Utility  
**CIP Status:** Recurring  
**Project Category:** Capital Upgrade

**Budget Year:** 2017  
**Category Code:** LR  
**Sector:** Various

**Project Purpose:**

This project supports the delivery of municipal services that are reliable and responsive to the needs of the citizens by updating essential utility infrastructure.

**Project Narrative:**

This project provides for the replacement or rehabilitation of water mains in areas that have experienced frequent main breaks, corrosion or hydraulic deficiencies. It also provides for the replacement of hydrants & valves that have failed or are inoperable. This project has been coordinated with the City's Road Improvement Program. In addition, this project provides for the replacement of older Lead (Pb) water service lines. The main projects planned for CY17 include the rehab/replacement of deteriorated water main located along East Ogden Avenue from Columbia to Wisconsin and Oswego Rd from River to Thornapple. Also included is a water main connection from Sylvan Circle to Charles.

**External Funding Sources Available:**

**Projected Timetable:**

Engineering and construction ongoing throughout the 5-year CIP as water main rehabilitation/replacements are scheduled.

**Impact on Operating Budget:**

No new personnel; Nominal impact on operations & maintenance budget. The water service line replacement program does not significantly affect ongoing maintenance costs.

**Funding Source Summary**

Funding Source	2017	2018	2019	2020	2021	Total Source
Water Utility	1,050,000	1,470,000	2,363,500	2,975,000	1,920,000	<b>9,778,500</b>
<b>Totals</b>	<b>1,050,000</b>	<b>1,470,000</b>	<b>2,363,500</b>	<b>2,975,000</b>	<b>1,920,000</b>	<b>9,778,500</b>

**Project Cost Summary**

Expense Category	2016 Budget	2017	2018	2019	2020	2021	Total CIP
Construction	1,300,000	1,050,000	1,470,000	2,363,500	2,975,000	1,920,000	<b>9,778,500</b>
<b>Totals</b>	<b>1,300,000</b>	<b>1,050,000</b>	<b>1,470,000</b>	<b>2,363,500</b>	<b>2,975,000</b>	<b>1,920,000</b>	<b>9,778,500</b>

