



Legislation Details (With Text)

File #: 17-0836 **Version:** 1 **Name:**
Type: Presentation **Status:** Agenda Ready
File created: 9/18/2017 **In control:** Work Session
On agenda: 9/26/2017 **Final action:**
Title: Discussion Regarding Evaluation and Repair of Large Diameter Sanitary Sewer Interceptors
Sponsors: Mark Hilty, Michelle Hatcher
Indexes:
Code sections:
Attachments: 1. 20170925_PPT_Large Interceptors Inspection_V3.pdf, 2. 17-0836 Harpeth River Interceptor map.pdf

Date	Ver.	Action By	Action	Result
9/26/2017	1	Work Session	acknowledged	

DATE: September 18, 2017

TO: Board of Mayor and Aldermen

FROM: Eric Stuckey, City Administrator
Mark Hilty, Assistant City Administrator - Public Works
Michelle Hatcher, Water Management Director

SUBJECT:
Discussion Regarding Evaluation and Repair of Large Diameter Sanitary Sewer Interceptors

Purpose

The purpose of this memorandum is to provide information to the Franklin Board of Mayor and Aldermen (BOMA) concerning the status of emergency repair and investigation activities related to large diameter interceptors in the City of Franklin wastewater collection system.

Background

On February 3, 2017 and again on April 25, 2017, staff discovered line failures of the 54" sanitary sewer interceptor along the Harpeth River. On May 9, 2017, the BOMA approved Resolution 2017-31 authorizing the City Administrator to enter into Contracts related to the emergency investigation and repair services to aggressively manage potential problems and concerns with the City's large diameter interceptors. Also on May 9, 2017, the BOMA approved Amendment No. 1 to Contract 2016-316 with Hazen & Sawyer providing for an expanded scope to assist with investigation work, design and bidding services.

To date, staff and contractors have replaced or repaired approximately 1,325 linear feet (LF) of 54" diameter sanitary sewer interceptor lines and rehabilitated (via cured in place pipe (CIPP)) another 315 LF in the area

behind the Chestnut Bend neighborhood. Staff has also rehabilitated two manholes (via epoxy lining and grouting) on the WRF property that helped to eliminate significant infiltration contributing to the flow. Staff has investigated approximately 37,000 LF of the Harpeth River interceptor, with a remaining 13,000 LF to inspect by the end of the month.

Currently, 63 LF of the Harpeth River Interceptor is in the process of being repaired. This replacement is anticipated to be complete by October 6th, and final grading and restoration of the Chestnut Bend area will be resumed after backfill of that section.

Once the site is compacted, seeding and strawing will be spread and landscaping work will be completed in conjunction with the Parks Department during the fall optimal planting season, including tree replacement. Replacement of the walking trail areas that have been disturbed by construction activities is being coordinated with the Williamson County Parks Department during their budgeted replacement of the trail. The WMD will maintain the trees in the common area that were replaced and water the landscaped area near the northwestern property boundary with the WRF. Throughout this process, the City of Franklin has maintained close communication with the leadership of the Chestnut Bend Homeowners' Association.

Financial Impact

Construction and repair projects identified to date total approximately \$4.15M. Both the FY17 and FY18 budgets contain approximately \$3 million of funding for the maintenance and upgrades to the existing sanitary sewer collection system. Depending on the timing of these payments a budget amendment to the FY18 budget may be necessary.

Recommendation

Staff will continue to provide updates to the BOMA regarding the investigation and repairs related to the large diameter interceptors.