



HISTORIC
FRANKLIN
TENNESSEE

DATE: August 16, 2019

TO: Board of Mayor and Aldermen

FROM: Eric Stuckey, City Administrator
Mark Hilty, Assistant City Administrator - Public Works
Michelle Hatcher, Director of Water Management
Patricia McNeese, Utilities Engineer II

SUBJECT: Water and Sewer Projects Status Report

Purpose

The purpose of this memo is to provide information to the Franklin Board of Mayor and Aldermen (BOMA) concerning the status of some of the City's water and sewer projects.

Project Status

A. Spencer Creek Basin - South Prong Interceptor Upgrade

Project Description: Replacement of approximately 3,827 linear feet of 36 inch sanitary sewer line and 836 linear feet of 8 inch sanitary sewer line along South Prong from east of Mallory Lane to north of Cool Springs Boulevard

Key Dates: Design Start - April 23, 2013; Design Completion - February 2017*; Easement Acquisition - TBD; Construction - Not Funded

*Denotes Estimated Date

Cost: Design - \$337,000.00; Easement - Not Funded; Construction - Not Funded

Funding Source: Design - Sewer Fund; Easements - TBD; Construction - TBD

Status Update: Based on the approved sanitary sewer availabilities for projects upstream from the sanitary sewer crossing at I-65, the scope of this project may need to expand to include a portion of the sanitary sewer east of I-65. The engineering consultant has submitted a proposal on an expanded study on the east side of I-65 that should be on the September CIC agenda.

B. Spencer Creek at Franklin Road Sewer

Project Description: Replacement and relocation of approximately 1,462 linear feet of 36 inch sanitary sewer line, 717 linear feet of 12 inch sanitary sewer line and 362 linear feet of 8 inch sanitary sewer line along Spencer Creek from CSX Railroad to northwest of Franklin Road and south of the First United Methodist Church; replacement of 175 linear feet of 8 inch sanitary sewer along the rear of PF Chang's on Cool Springs Boulevard



Key Dates: Design Start - March 11, 2014; Design Completion - June 2015; Easement Acquisition Start - September 2015; Easement Acquisition Completion – August 2019*; Bid Date: November 2019*; Construction Start – January 2020*; Construction Completion – September 2020*

*Denotes Estimated Date

Cost: Design - \$40,000.00; Construction - TBD

Funding Source: Design - Sewer Fund

Status Update: The existing 36-inch diameter sanitary sewer pipe has been CCTV-ed and determined to be a candidate for cured-in-place lining. Staff is still working on obtaining the easement from First United Methodist Church. The engineering consultant has submitted a proposal on an expanded study on the east side of I-65 that should be on the September CIC agenda.

C. Old Carters Creek Water Line Improvements

Project Description: Replacement of 2,100 linear feet of 8 inch water line along Old Carters Creek Pike from intersection of Old Carters Creek Pike and Carters Creek Pike to 164 Old Carters Creek Pike then along Hatcher Spring Creek to Carters Creek Pike then east to the water line in Bradford Drive

Key Dates: Design Start - May 12, 2015; Design Completion - July 2017; Easement Acquisition Start - August 2017; Easement Acquisition Completion – August 2019*; Construction - to be completed in-house by Water Management Department staff

*Denotes Estimated Date

Cost: Design - \$101,278.00; Easements - TBD; Construction - TBD (Materials Only)

Funding Source: Design and Easements - Water Operating Fund

Status Update: This project will be constructed in two phases with the entire job being designed now. The Water Management Department plans to begin Phase 1 after the start of the new fiscal year.

D. Henpeck Lane Sanitary Sewer Project

Project Description: Installation of 5,095 linear feet of 12 inch sanitary sewer line and 1,350 linear feet of 8 inch sanitary sewer line along a tributary of Five Mile Creek from Ellington Drive to Henpeck Lane

Key Dates: Design Start - July 2017; Design Completion - August 2018*; ROW/Easement Start - February 2018*; ROW/Easement End - December 2018*; Construction Start – June 2019*; Construction End – July 2020*;

*Denotes Estimated Dates

Cost: Design - \$176,000; ROW/Easement/Contracts - \$374,000.00; Construction - \$2,953,238.00

Status Update: The sanitary sewer line across the existing and proposed school sites is substantially complete. The bore under Lewisburg Pike and the open cut across Five Mile Creek are the current areas of construction.

E. Water Reclamation Facility Modifications Project



Project Description: Extensive upgrades to the existing sanitary sewer treatment plant, including new headworks structures, equalization basin, odor control systems, biological nutrient removal basin splitter box, improvements to the reclaimed water pump station, onsite piping improvements, two-channel ultraviolet disinfection system, alum storage and feed system and a new solids treatment facility

Key Dates: Design Start - February 12, 2013; Design Completion - May 2018; Construction Start - November 2018; Construction End - October 2021;

*Denotes Estimated Dates

Cost: Design - \$ 7,806,980.00; Construction - \$132,890,000.00

Status Update: Excavation to subgrade is complete on the equalization basin. The new headworks slab has been poured on the lower level and has two more elevation differentials to form, reinforce and pour. The concrete slab for the Electrical Distribution Center is complete and awaiting delivery of the pre-fabricated walls for installation. Solids Process Building has been excavated to subgrade with lower level base stone being placed now. Construction modifications to BNR #2 has begun.

F. Holiday Court Pump Station Project

Project Description: Upgrade of the existing pump station at the end of Holiday Court and the 6 inch force main

Key Dates: Design Start - January 10, 2017; Design Completion - December 2017; Easement Acquisition Start - April 2018; Easement Acquisition Complete – February 2019*; Bid Date – September 2019; Construction Start – November 2019*; Construction End – April 2020*

*Denotes Estimated Dates

Cost: Design - \$89,569.00; Easements - \$18,000.00; Construction - est. \$564,000.00

Status Update: Working on the bid documents to incorporate comments from Law Department.