



HISTORIC
FRANKLIN
TENNESSEE

DATE: October 16, 2019

TO: Board of Mayor and Aldermen

FROM: Eric Stuckey, City Administrator
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 needs 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. Staff is currently working with the engineering consultant on the scope and cost of the proposal to bring to the CIC in November.

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 – October 2019*; Bid Date: January 2020*; Construction Start – March 2020*; Construction Completion – December 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. Amendment No. 1 to the agreement was approved at the October 8th, 2019, BOMA meeting. This releases the consultant to begin revising the existing construction plans to be complete in December for bidding in January 2020. The easement negotiation with the First United Methodist Church has been concluded; it will be signed and recorded upon receipt of the revised document from Law.

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 - TBD; Easement Acquisition Completion – TBD*; 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.

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 - \$3,203,238.00

Status Update: Construction on the west side of Lewisburg Pike is complete. The crossing of Ellington Drive is complete. The contractor is working at both ends of the project – the manhole at Tract 4 and the manhole at Tract 9.

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: 50% of the tank's wall section of the new equalization basin has been completed, which is the 10 million-gallon storage tank that will hold raw wastewater as it enters the facility during wet weather events. Approximately 60% of the walls of the new headworks building are constructed and work on the second slab elevation has begun with formwork being installed and rebar placed. The Electrical Distribution Center is under roof and MCCs are being set and rough wired. Solids Process Building slab has been constructed.

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 – January 2020; Construction Start – March 2020*; Construction End – September 2020*

*Denotes Estimated Dates

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

Status Update: Continuing to work on the bid documents to incorporate comments from Law Department. WMD staff has a meeting with Purchasing next week to set the date for the bid opening.

G. Redwing Farms Reclaimed Water Line Project

Project Description: Upsize of the existing reclaimed water line from an 8-inch to a 12-inch from the Redwing Farms wastewater pump station to the connection at Berry Farms. The WMD Service Division will be performing the construction on the line.

Key Dates: Design Start – July 2019; Design Completion – August 2019; Construction Start – September 2019*; Construction End – February 2020*

*Denotes Estimated Dates

Cost: Construction – materials \$146,463.00

Status Update: Construction began September 30, 2019 and approximately 1,600 linear feet has been installed.

H. Redwing Farms Reclaimed Water Booster Station Project

Project Description: Design and construction of a new reclaimed water booster pump station



on the Redwing Farms wastewater pump station site.

Key Dates: Design Start – December 2019*; Design Completion – April 2020; Bid Date – June 2020*; Construction Start – August 2020*; Construction End – March 2021*

*Denotes Estimated Dates

Cost: Design - \$150,000.00; Construction - est. \$400,000.00

Status Update: Staff returned the consultant's proposal with comments to be addressed.