



HISTORIC
FRANKLIN
TENNESSEE

DATE: May 14, 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: Plans are complete but will not be submitted to TDEC for approval until the project is closer to bid. Easement documents have been prepared and submitted to City Staff for review. The project will not be constructed until funding is available from the Water Management Department budget.

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 – May 2019*; Bid Date: July 2019*; Construction Start - September 2019*; Construction Completion – May 2020*

*Denotes Estimated Date

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

Funding Source: Design - Sewer Fund

Status Update: Due to the number of projects being approved upstream of this line, Staff realizes the need for more capacity in this area and has requested a proposal from the engineering consultant to assess the condition of the existing sewer line as a possible candidate for lining. The proposed line will stay the same so that there will be two parallel 36-inch sanitary sewer lines to carry the flow rather than one single 36-inch. No additional easements will be necessary; still lack the easement from First United Methodist Church.

C. Bobby Drive Water Line Improvement Project

Project Description: Replacement of 6,650 linear feet of 6 inch water line from Hillsboro Road to Bradley Drive along Bobby Drive

Key Dates: Design Start - May 12, 2015; Design Completion - April 2016; Easement Acquisition Start - June 2016; Easement Acquisition Completion – February 2019*; Construction - To be completed in-house by Water Management Department staff

*Denotes Estimated Date

Cost: Design - \$80,313.00; Easements - TBD; Construction - TBD (Materials Only)

Funding Source: Design and Easements - Water Operating Fund

Status Update: The second phase of Phase 2 is currently being constructed.

D. 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 at the start of the new fiscal year.

E. Henpeck Lane Sanitary Sewer Project



Project Description: Installation of 3,665 linear feet of 12 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 - \$200,000; Construction - \$2,953,238.00

Status Update: The bid award is on the agenda for the May 14, 2019 meeting of the Board of Mayor and Aldermen. The preconstruction meeting is scheduled for May 16, 2019. Work will start as soon as possible.

F. 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: Demolition and excavation of the older facility is nearing completion which will allow for construction of the equalization basin to begin. The foundation for the new headworks structure is being set, in addition to the foundations for the new electrical building and the associated conduit that will be needed to supply the plant with power and necessary electrical redundancy. The new solids area has started clearing and grubbing and is in the initial phases of construction.

G. 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 – May 2019; Construction Start - July 2019*; Construction End – December 2019*

*Denotes Estimated Dates

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

Status Update: Working with the consultant on the bid documents.