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H I S T O R I C  
F R A N K L I N  
T E N N E S S E E

**DATE:** June 13, 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 City is currently working with the engineering consultant on this project for a proposal on an expanded study on the east side of I-65. City Staff is meeting with the consultant on June 20 to discuss this issue.

**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: August 2019\*; Construction Start - October 2019\*; Construction Completion – July 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 – June 2019

\*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 project is complete.

#### 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 after 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 - \$374,000.00; Construction - \$2,953,238.00

**Status Update:** Construction has started on the project: clearing and grubbing of area of manholes 1 to 7 and 17 to 26; blasting on the school site from manholes 17 to 26.

#### 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:** 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.

#### 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 – August 2019; Construction Start – October 2019\*; Construction End – February 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.