



HISTORIC  
FRANKLIN  
TENNESSEE

**DATE:** September 13, 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 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. Staff is currently working with the engineering consultant on the scope and cost of the proposal.

**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 – September 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. 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. The amendment to the existing PSA to do the update to the existing plans for this project is 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 – December 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 open cut across Five Mile Creek has been completed. The pilot hole for the bore under Lewisburg Pike has been completed. Construction on the west side of Lewisburg Pike is almost complete. The contractor is working on the installation of sewer on Tract 3 and will



continue moving towards Lewisburg Pike. Ellington Drive will be closed in the upcoming weeks to install the sewer across it.

**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:** The base slab of the 10 million gallon equalization basin has been poured. The headworks structure and new electrical building are under construction, in addition to the base slab of the new solids building. The modifications to the oxidation basin #2 have begun and repair of the spalled concrete and demolition 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 – October 2019; Construction Start – December 2019\*; Construction End – June 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.

**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.

6 inch force main

**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:** Work will begin next week on the construction of the line. The crews will start at the Redwing Pump Station and work down toward the Berry Farms connection.



HISTORIC  
**FRANKLIN**  
TENNESSEE

---

#### **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 – October 2019\*; Design Completion – March 2020; Bid Date – April 2020\*; Construction Start – May 2020\*; Construction End – January 2021\*

\*Denotes Estimated Dates

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

**Status Update:** Working through getting a proposal from the consultant to begin the design for this work.