



## Legislation Text

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**DATE:** June 22, 2017

**TO:** Board of Mayor and Aldermen

**FROM:** Eric Stuckey, City Administrator  
Paul Holzen, City Engineer/Director of Engineering

**SUBJECT:**  
Capital Projects Status Report

### Purpose

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

### Transportation Projects

#### **A. Mack Hatcher Parkway NW Extension**

**Key Dates:** Design Start - August 14, 2007 (BOMA Approval); Re-Design Completion - January 2015; ROW Start - December 2009; ROW Completion - June 2012; Construction - Not Funded

**Cost:** Design - \$3,502,501; ROW - \$13,397,520 (Provided by TDOT); Construction - \$58,700,000 (Provided by TDOT)

**Status Update:** On May 9, 2017, TDOT released its annual 3-year (FY 2018-2020) transportation program. The construction of Mack Hatcher Parkway, from Highway 96 West (SR-96) to Hillsboro Road (SR-106) is included in the list of projects. It is programmed to receive funding in FY 2018.

#### **B. Hillsboro Road Improvements Phase 2 (Independence Square to Mack Hatcher Pkwy)**

**Key Dates:** Design Start - March 24, 2008 (BOMA Approval); Design Completion - March 2015; ROW Start - March 2013; ROW Completion - May 2015; Bid Date - January 2016; Construction Start - April 18, 2016; Original Construction Completion - June 21, 2017 (430 calendar days); Estimated Construction Completion - December 2017 (based upon delays and utility conflicts)

\*Denotes Estimated Date

**Cost:** Design - \$1,324,221 (Design fees include the SR96-IndSq Project as well); ROW - \$3,000,000; Construction - \$11,995,005.13 (\$1,750,000 Reimbursable through State and Federally Approved Funding; Includes AT&T and ATMOS Reimbursable items totaling \$441,677.00)

**Status Update:** There have been numerous utility conflicts throughout the project. There is an estimated 5-month delay at this point, which pushes completion towards the end of 2017. The City is also working with the contractor to incorporate some of the MHP NW improvements into the Hillsboro Road Project, so residents aren't inconvenienced twice with construction. Consideration of Change

Order #1 is on the April CIC meeting agenda.

**C. Hunter's Bend Safe Routes to School**

**Key Dates:** Design Start- January 2014; Design Complete - December 2015; ROW Acquisition - N/A; Construction Start - April 24, 2017; Construction Complete - July 24, 2017\*

\*Denotes Estimated Date

**Cost:** Total - \$289,565 (Estimated)

**Status Update:** The pre-construction meeting was held on April 20, 2017. A Notice to Proceed, with an effective date of April 24, 2017 was issued. Construction is scheduled to be complete by the end of July 2017.

**D. Sidewalk/Multi-use Trail along Murfreesboro Road (SR 96 East), Pinkerton Park to Mack Hatcher Parkway**

**Key Dates:** Design Start- June 2014; Design Complete - TBD; ROW Acquisition - TBD; Construction - TBD

\*Denotes Estimated Date

**Cost:** Total - \$2,148,000 (Estimated)

**Status Update:** Condemnation is occurring on 1 property. Bids were received and opened on May 25, 2017 and the apparent low bidder was Civil Constructors, LLC., for \$1,511,299.81

**E. Franklin Road (Harpeth River Bridge to Harpeth Industrial Court)**

**Key Dates:** Design Start- January 2015; Design Complete - April 2017\*; ROW Acquisition Start - June 2017\*; Construction Start - June 2020\*

\*Denotes Estimated Date

**Cost:** Total - \$10,344,250.00 (Estimated)

**Status Update:** Design updates are still ongoing. Final water and sanitary sewer plans have been submitted for review. Final Right-of-Way and easement documents will be finalized in mid-2017. Right-of-Way Acquisition could begin in Spring/Summer 2017. Also, Engineering is working with the US Army Corp of Engineers (USACE) to incorporate Harpeth River Channel Modifications at Franklin Road into the Streetscape project. Further discussion about the coordination of the channel modifications and the streetscape project is scheduled for the April CIC agenda.

**F. 3<sup>rd</sup> Avenue North Trail/Greenway Project (Bicentennial Park Phase 1)**

**Key Dates:** Design Start - April 11, 2006; Design Completion - February 2013; ROW Start - October 9, 2007; ROW Completion - January 26, 2010; Bid Dates - July 8, 2015; Construction Start - September 21, 2015; Construction Completion - August 23, 2016 (Change Order #2)

**Cost:** Design - \$65,725.00 (This number does not include design cost from the Bicentennial Park Project); ROW - \$226,500.00; Construction - \$1,253,257.31 (Bid Amount), \$1,396,479.54 (Per Change Order #3)

**Status Update:** The project is now fully complete. Change Order #3 was approved in December 2016, which included a small time extension and balanced out the majority of the contract line items. A final project closeout Change Order #4 will be brought to the Board in mid-2017.

**G. East McEwen Drive Phase 4 Improvements**

**Key Dates:** Design Start - April 2015; Design Completion - April 2017\*;

ROW Acquisition Start - Mid-2019\*; Construction Start - Mid-2020\*

\*Denotes Estimated Date

**Cost:** Design - \$1,210,000 (Preliminary - \$497,000; Final - \$713,000);

ROW Acquisition - TBD; Construction - TBD

**Status Update:** A PSA (COF Contract No. 2017-0125) for the Environmental Phase was on the BOMA agenda for approval on June 13<sup>TH</sup>.

#### H. Columbia Avenue (Mack Hatcher Parkway to Downs Boulevard)

**Key Dates:** Preliminary Design/Environmental Start - March 2016; Preliminary Design/Environmental Completion - August 2017;

Final Design Start - 2018\*; ROW Acquisition Start - 2019\*; Construction Start - 2021\*

\*Denotes Estimated Date

**Cost:** Preliminary Design/Environmental - \$1,070,450.00; Final Design - \$1,000,000.00\*; ROW - \$4,000,000.00\*; Construction - \$15,000,000.00\*. Currently funded by 80% Federal/20% State/0% Local. Total project estimate is \$21MM.

\*Denotes Estimated Cost per MPO TIP, FY2014-2017

**Status Update:** Work continues on the preparation of the NEPA document. On April 26<sup>TH</sup>, staff held and 2<sup>ND</sup> meeting with a group of concerned properties owners along the project corridor. A town hall style public meeting was held on Monday, May 15<sup>TH</sup>. The presentation from the public meeting, with some additional information, was presented to the BOMA on June 13<sup>TH</sup>.

#### I. Design of E. McEwen/Cool Springs Blvd. Intersection Improvements (Roundabout)

**Key Dates:** Design Start - February 14, 2017 (BOMA Approved); Design Completion - TBD; ROW - TBD; Construction - TBD;

**Cost:** Design - \$74,995.00; ROW - TBD; Construction - TBD;

**Status Update:** Survey work is complete. Analysis of traffic and accident data underway.

#### J. Design of Intersection Improvements at Mallory Lane and Liberty Pike

**Key Dates:** Design Start - February 14, 2017 (BOMA Approved); Design Completion - TBD; ROW - TBD; Construction - TBD

**Cost:** Design - \$229,965.00; ROW - TBD; Construction - TBD;

**Status Update:** Survey is complete, and the designer has begun preliminary alignment and layout process.

### Parks Projects

#### A. Southeast Municipal Complex Master Planning

**Key Dates:** Design Start - Tentative July 2017; Design Completion - TBD; Construction - TBD;

**Cost:** Design - \$356,546.00 (proposed); Construction - TBD;

**Status Update:** A Scope of Services, Fee, and a Schedule has been submitted for consideration by the BOMA.

#### B. Southeast Municipal Complex (Lockwood Parcel) Construction Documents

**Key Dates:** Design Start - Tentative July 2017; Design Completion - TBD; Purchase of property - TBD; Construction - TBD;

**Cost:** Design - \$295,658.00 (proposed); Purchase of property - TBD; Construction - TBD;

**Status Update:** A Scope of Services, Fee, and a Schedule has been submitted for consideration by the BOMA.

### **Stormwater Projects**

#### **A. 100-Block Battle Avenue Drainage Improvements**

**Key Dates:** Design Start - July 24, 2012 (BOMA Approved); Design Completion - February 2017\*; Easement Acquisition Start - March 2017\*; Easement Acquisition Completion - July 2017\*; Bid Date - August 2017\*; Construction Start - October 2017\*; Construction Completion - February 2018\*

\*Denotes Estimated Dates

**Cost:** Initial Study - \$46,500.00; Final Design - \$131,700.00 (Including Amendment 1 of \$68,200.00); Construction Estimate- \$1,270,000.00

**Status Update:** The Board approved Resolution 2016-94 on January 10, 2017, authorizing the project to move forward into the ROW Acquisition and Construction Phases. Construction plans are nearing completion. Title searches and appraisals for easement acquisition have begun.

#### **B. Figuers Drive and 400-Block Battle Avenue Drainage Improvements**

**Key Dates:** Design Start - November 26, 2013 (BOMA Approved); Design Completion for Preliminary Design- November 2014; Easement Acquisition Start - Scheduled for September 2017; Easement Acquisition Completion - January 2018; Bid Date - TBD; Construction Start - TBD; Construction Completion - TBD;

**Cost:** Initial Design - \$82,000.00; Final Design - \$154,700.00; Construction - \$1,400,000 (engineering estimate)

**Status Update:** Water and sanitary sewer design contract amendments were recently approved by BOMA. Final design began in February 2017. Currently working on water and sanitary sewer relocation plans. TDEC stream permit applications are being developed.

#### **C. Jordan Branch of Spencer Creek (Cool Springs East) Stream Restoration**

**Key Dates:** Design Start - May 26, 2015 (BOMA Approved); Design Completion - April 2017\*; ROW/Easement Acquisition - TBD; Construction - TBD

\*Denotes Estimated Dates

**Cost:** Design - \$113,445.00;

**Status Update:** The HOA for Cool Springs East has submitted a letter of support for the current design concept. Resolution 2017-19 to approve the preliminary design and authorize staff to proceed with ROW acquisition, final design, and construction is on the June 22<sup>ND</sup> CIC agenda.

#### **D. Ralston Creek (Liberty Hills) Stream Restoration**

**Key Dates:** Feasibility Study Start - November 19, 2015 (BOMA Approved); Feasibility Study Completion - April 2017\*; Design - TBD; ROW/Easement Acquisition - TBD; Construction - TBD

**Cost:** Design - \$68,700.00

**Status Update:** Staff met with designer to discuss results of additional data collection. The designer is using this additional data to develop concepts for discussion.

#### **E. Harpeth River Bank Stabilization at the Water Reclamation Facility**

**Key Dates:** Design Start - August 11, 2015 (BOMA Approved); Design Completion - April 2017\*; ROW/Easement - N/A; Construction - TBD

**Cost:** Design - \$74,000.00; ROW/Easement - TBD; Construction - TBD

**Status Update:** This project is currently advertised for construction bids. The mandatory pre-bid meeting was held on Monday, June 12<sup>TH</sup>. Bids will be received and opened on Monday, June 26<sup>TH</sup>.

**F. Carnton Lane Culvert Replacement**

**Key Dates:** Design Start- September 9, 2016 (BOMA Approved); Design Completion- July 2017; ROW/Easement - July 2017; Construction - TBD

**Cost:** Design - \$18,580.00; ROW/Easement - TBD; Construction - TBD

**Status Update:** Preliminary plans are complete, and the ARAP permit has been submitted to TDEC.

**G. Watson Branch Culvert Rehabilitation**

**Key Dates:** Design Start - November 22, 2016 (BOMA Approval); Design Completion - July 2017; ROW/Easement - TBD; Construction - TBD

**Cost:** Design - \$30,640.00; ROW/Easement - TBD; Construction - TBD

**Status Update:** Preliminary plans are almost complete. ARAP and CGP permits were approved by TDEC and received June 5, 2017. A permit to access TDOT right of way on Mack Hatcher was submitted in April but no approved permit has been issued.

**Water & Sewer Projects**

**A. Spencer Creek Basin - South Prong Interceptor Upgrade**

**Key Dates:** Design Start - April 23, 2013; Design Completion - March 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:** The engineering consultant and Water Management Department staff are meeting on Monday, February 20, 2017, to discuss the 90% design plans. The project will not be constructed until funding is available from the Water Management Department budget.

**B. Spencer Creek at Franklin Road Sewer**

**Key Dates:** Design Start - March 11, 2014; Design Completion - June 2015; Easement Acquisition Start - September 2015; Easement Acquisition Completion - July 2017\*; Bid Date: September 2017\*;  
Construction Start - October 2017\*; Construction Completion - August 2018\*

\*Denotes Estimated Date

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

**Funding Source:** Design - Sewer Fund

**Status Update:** The plans are 100% complete. There have been delays with obtaining appraisals for some of the easements. Staff is working to resolve this issue.

**C. Curd Branch and Watson Branch Interceptor Sewer**

**Key Dates:** Design Start - February 25, 2014; Design Completion - September 2015; Easement Acquisition Start - February 2015; Easement Acquisition Completion - June 2016; Bid Date: September 2016; Construction Start - February 2017; Construction Completion - October 2017\*

\*Denotes Estimated Date

**Cost:** Design - \$115,000.00; Easement - TBD; Construction - \$1,481,995.00

**Funding Source:** Easement, Design and Construction - Sewer Fund

**Status Update:** Work continues. An amendment to the PSA with SSR for a resident project representative is on the April CIC agenda.

**D. Fieldstone Farms Pump Station No. 1 Rehabilitation**

**Key Dates:** Design Start - January 14, 2014; Design Completion - November 2014; Bid Date: December 11, 2014; Construction Start - July 2015; Construction Completion - October 2016

**Cost:** Design - \$226,848.00; CEI - \$196,000.00; Construction - \$1,701,522.00

**Funding Source:** Design - Sewer Fund; Construction - Sewer Operating Fund

**Status Update:** The final pay request has been submitted. The final change order for this project will be brought to the BOMA for approval.

**E. Goose Creek Sanitary Sewer Extension Project from West of I65 to the East Side of I65**

**Key Dates:** Design Start - September 9, 2014; Design Completion - April 2015; Easement Acquisition Start - July 2015; Easement Acquisition Completion - June 2016; Bid Date: September 2016; Construction Start - January 2017; Construction Completion - August 2017\*

\*Denotes Estimated Date

**Cost:** Design - \$132,535.00; Easements - \$221,600.00; Construction - \$1,717,620.40

**Funding Source:** Design, Easements, Construction - Sewer Fund & HPT TA Properties Trust

**Status Update:** Work continues on this project. The contractor has started on the bore under I-65.

**F. Bobby Drive Water Line Improvement Project**

**Key Dates:** Design Start - May 12, 2015; Design Completion - April 2016; Easement Acquisition Start - June 2016; Easement Acquisition Completion - May 2017\*; 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:** Design plans are 100% complete. Easement discussions with the affected property owners continues. There are been delays on obtaining appraisals for some of the easements. Staff is working to resolve this issue.

**G. Old Carters Creek Water Line Improvements**

**Key Dates:** Design Start - May 12, 2015; Design Completion - February 2017; Easement Acquisition Start - September 2016; Easement Acquisition Completion - May 2017\*; 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.

**H. Ladd Park Interceptor Sewer Improvements**

**Key Dates:** Design Start - December 8, 2015; Design Completion - September 2016; Easement Acquisition Start - August 2016; Easement Acquisition Completion - November 2016; Bid Date:

December 13, 2016; Construction Start - March 2017; Construction Completion - December 2017\*

\*Denotes Estimated Date

**Cost:** Design - \$176,600.00; Easements - None; Construction - \$2,339,780.00

**Funding Source:** Design, Easements, Construction - Sewer Fund

**Status Update:** Construction has begun.

**I. Goose Creek Inn Sewer**

**Key Dates:** Design Start - April 11, 2017 (BOMA Approved); Design Completion - June 2017;  
ROW/Easement/Contracts Signed by landowners - TBD; Construction - TBD

**Cost:** Design - \$50,020.00; ROW/Easement/Contracts - TBD; Construction - est. \$570,000.00

**Status Update:** Preliminary plans are complete, and the approved ARAP and General Construction Permit have been received from TDEC. Legal contracts have been sent to the three landowners for signature.