



What's In The Works



City of Belton Public Works Department

July-September 2015

Volume 5, Issue 2

Contact Information:

- Public Works Administration and Engineering: 331-4331
- Transportation: 331-9455
- Water Services: 322-1885

- Vehicle Maintenance: 331-7516
- Website: www.belton.org
- Follow us on Facebook  & Twitter 

Preserving the Streets

This year's Street Preservation Program consists of three different projects; Overlay, Chip Seal and Curb Replacement. Each project is just as important as the other as staff continues to look for ways to spend budgeted funds in an efficient and effective manner. How are we doing this, you ask? Staff is now combining funding from two fiscal years to increase project quantity and scope. In addition, staff is working with neighboring communities and bidding cooperative contracts. Both of these actions provide for better pricing with larger quantities being bid and are more attractive to the contractors bidding the projects.

This year, the City of Belton, along with Raymore, Pleasant Hill and Peculiar awarded the overlay contract to Superior Bowen Asphalt. The total bid package totaled just over \$1,000,000, with the City of Belton's portion totaling \$109,000. Staff also utilized Seal-O-Matic Asphalt Company to complete Mullen and Towne Center Drive after the new Markey Parkway was installed. This year's overlay work totaled \$231,000 and included the following streets.

- Mullen Road from 58 to NEW Markey Parkway
- Towne Center Drive from 58 to NEW Markey Parkway

- Bel-Ray Place from 58 to Dead End
- Cunningham Parkway from 58 to 173rd
- Central Avenue from Y highway to Lillard

The City has also partnered with Vance Brothers Inc to complete the Chip Seal Program this year. This project includes 145,000 square yards of Chip Seal that will provide a surface treatment for nearly 10 miles of streets totaling \$305,000. Project completion is expected in early October.

The third project consists of approximately 5500 LF of curb replacement in the Georgia Place and Sommerset subdivisions. Project costs will total approximately \$150,000 and will be bid in late October with work expected to be completed by April 1.

Street Preservation is important to the transportation network. Staff continues to evaluate and record street conditions by use of asset management software. If you have questions or comments, please feel free to contact us at 331-9455.

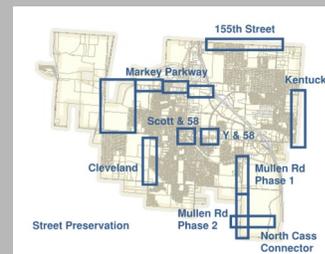
3 Million Gallon Water Tower



The new 3 Million Gallon Water Tower is ahead of schedule and under budget. The project is scheduled to be complete by April 2016. Contractors are completing the final stages of construction and the tower will be filled with water by late October 2015. The tower

will be in operation the first week of November 2015 after testing has been completed to ensure safe drinking water. A tentative ribbon cutting is set for November 4, 2015.

Capital Improvement Program



Staff continues development of the FY2017-FY2021 Capital Improvement Program (CIP). The emphasis of this year's CIP is to build

consensus in prioritizing twelve transportation projects throughout the City. Staff will continue presentations with the Planning Commission and City Council with a goal of adopting the final CIP in Fall 2015. Draft CIP documents are available online.



Cost-Share Program Update

The Cost Share Program, a partnership between the City and citizen; to assist those individuals in replacing sidewalks, curbs and drive culverts in a timely manner, began in April of 2015. It is has quickly become a program the City can be proud of. The program was 1 of 21 projects recently submitted to the Missouri Municipal Leagues first ever 2015 Innovative Awards Committee. Although it did not win, the committee found it very interesting and innovative. This was a great way to showcase our program! For more information on this program, please visit the Public Works page and select Transportation Division.

Update:

38 completed applications

28 paid applications

Curb requests 23

Sidewalk Requests 3

Culvert Requests 2

19 completed projects

Curb replaced 1251 LF

Sidewalk Replaced 157 LF

Drive culverts replaced 48 LF

Did You Know?

Belton residents can utilize household hazardous waste disposal anytime throughout the year. You don't just have to wait for the mobile event. There are 2 permanent facilities; one located in Kansas City and one in Lee's Summit, where HHW can be disposed of. In addition, any mobile event can be used by residents since Belton is a participating agency in the program. For more information on this great service, visit www.recyclespot.org.

Cedar Tree Lift Station Removal

Demolition of Cedar Tree Lift Station and installation of sanitary sewer is expected to begin this month. Improvements include abandonment of the existing lift station structure and constructing approximately 2,600 feet of gravity sanitary sewer. The project will include boring a portion of the sewer under I-49, and is part of a series of sanitary sewer and lift station upgrades taking place within the City.

Infiltration and Inflow Program

Work continues on the private I&I program in West Belton. Sources of I&I to the public collection system are removed under this program to reduce unnecessary treatment of groundwater and storm water. This program is ongoing and will continue into next year and beyond.

Household Hazardous Waste Event

September 12, 2015, the Cities of Raymore and Belton hosted this year's Household Hazardous Waste (HHW) mobile event at Eagle's Glen Elementary School in Raymore. This annual event provides a convenient way for residents to properly dispose of household hazardous waste such as oil, antifreeze, paint and yard chemicals. This year's event serviced 299 vehicles.

Wastewater Treatment Facilities Upgrade Continue

The Belton Wastewater Treatment Facility Upgrade Project is moving along! New Influent Pumping Station and Headworks structures and a SCADA (Supervisory Control And Data Acquisition) system will be installed. The two new structures will have automated equipment and monitoring systems installed such as step screens in the headworks to continually remove rags and other debris from the incoming sewage. The SCADA system will provide remote monitoring to allow plant staff greater flexibility in operating the facility. The headworks site has been excavated and footings have been poured for screening and grit removal equipment and the blasting and excavation for the new Influent Pumping Station has been completed.

Funding for this project is provided by a bond approved by the voters in April 2013. The City is utilizing a low interest loan from the Department of Natural Resources' State Revolving Fund (SRF) Program.

The estimated completion date for this project is January 2017.



Blasting Prep for Influent Pump Station pump well



Completed Influent Pump Station Excavation

Statistics: July 1st—September 30th

Transportation

- 1,251 linear foot of curb replaced
- 157 linear foot of sidewalk replaced
- 48 linear foot of culvert replaced
- 22.67 tons of asphalt used for potholes
- 673.64 tons of asphalt used for patches

Water Services

Maintenance Operations

- 423,000,000 gallons water pumped
- 0 water breaks repaired
- 8 water taps (new service)
- 7 responses to sewer backup calls
- 1,064 Missouri One Call locates

Treatment Plant Operations

- 109,800,000 gallons of wastewater treated by Belton's Wastewater Treatment Plant
- 136,700,000 gallons of wastewater treated by the Little Blue Valley Sewer District
- 30.6 dry tons of sludge produced by Belton's Wastewater Treatment Plant
- 14 inches of rainfall recorded at Belton's Wastewater Treatment Plant

Vehicle Maintenance

- 71 vehicle/equipment repairs completed

Markey Parkway Sanitary Sewer Phase II

Construction just started on the second phase of this sewer project. Existing sanitary sewers from west of 163rd Street to I-49, running through Markey Parkway are undersized for future development. This was determined in the 2007 Collection System Master Plan. The first phase of sewer repairs has been completed as part of construction of Markey Parkway. The second phase includes sewer on both sides of 163rd Street near Givan Avenue. The project is expected to be complete with final landscaping in Spring 2016.

155th Street Widening

The Cities of Belton and Grandview are working together on improvements to 155th Street from the S. Outer Road (East Frontage Road) of I-49 to the bridge over Oil Creek located east of Terry Avenue. The project will include widening 155th Street to 3 lanes with a shared middle turn lane. The project is funded through Surface Transportation Program (STP) federal dollars. Design is at approximately 50% has received MoDOT and FHWA approval, and property acquisition is ongoing. Staff expects the project to be under construction as early as Summer 2016.

Sewer Lining—Cleveland to Cambridge

Inspection of the 18" sanitary sewer between Cleveland and Cambridge indicated a need for rehabilitation. The City has contracted with SAK to line the sewer. This will mitigate infiltration and inflow into the sewer and significantly reduce the risk of clogging from roots and debris that have caused backup issues in the past. Lining of this sewer is expected to be complete by early 2016.

Mullen Road and North Cass Parkway

Improvements include widening Mullen Road to four lanes from the railroad tracks south to 187th Street, and connecting North Cass Parkway from the I-49 interchange to Mullen. Design work has reached approximately 50% and City is leading property acquisition efforts. Like the recently completed phase of Markey Parkway, this project is funded through the Belton/N Cass Regional Transportation Development District.

New Employees=New Ideas

Water Services is pleased to welcome new employees Kyle King and Jake Glenn as Utility Workers. Kyle worked previously for the Division and has returned and Jake joined us in September. We look forward to working with and getting to know Kyle and Jake.



Mullen Culvert

Inspection of the reinforced concrete double box culvert on Mullen Road south of 163rd Street and north of State Highway 58 indicated a need for replacement. Design of a new culvert is ongoing and will include two lanes, a recreational trail, and shoulders. Staff will utilize a modified design-build approach to complete this project as quickly and cost effectively as possible. This project is intended to be complete by early 2016.

You can not fail if you resolutely determine that you will not—Abraham Lincoln