



What's In The Works



Belton Public Works & Economic Development Depts

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Markey Parkway and Towne Center Drive



The project team attempted to complete this before Christmas but the cold temperatures made it impossible. The team is now doing all it can within good weather windows to complete it as soon as possible. Worst case, it does not open until March-April, and best case it opens in February with landscaping in March. The City has also begun planning and preparing for work on the regional

detention pond with first phase to be complete in the spring.

Recruiting New Members That Will Help Us Achieve Our Goals!



Please join us in welcoming Charlotte Berry to the Team.

Charlotte is

the new Assistant to the Director of Public Works. She is a graduate and dedicated fan of the Mississippi State Bulldogs. She has lived in Belton for several years and has a great family. We have already realized huge benefits from her presence and look for exciting things from her going forward.



Please join the Engineering Division in welcoming Kate Glowacki as our new

Assistant City Engineer. Kate graduated from Iowa State University with a degree in Civil Engineering with an Environmental Emphasis. We look forward to working with Kate as she begins her career with the City of Belton.

Mullen Road and North Cass Parkway

This project funded through a TDD is limited to 50% design at this point and includes the widening of Mullen Road to 4 lanes south of the railroad tracks and extending North Cass Parkway to Mullen west of I-49. It has not been determined yet when any of this project will reach actual construction, but it is important to lay the groundwork for right-of-way acquisition now so as additional funding is obtained, the project is ready for construction.

A Team With Character and A Strategy

Not only has the team recruited some new members, it also has started its new 3-yr Strategic Plan with the support of the Public Works Committee and the City Council. This plan is the team's guiding document that provides the team focus and identifies important goals to meet the needs of the community. The main theme of the plan is to be as efficient as possible—maintain a lean workforce, utilize the workforce and private partners effectively, and be proactively improving services. It can be viewed by the public on the City's website under Public Works.

3 Million Gallon Water Tower



The new 3-million gallon water tower is progressing on schedule. The steel fabrication work will be

completed by mid-February 2015. Once weather improves, crews will paint the steel tower and prepare site for the raising of the tower. Notification for the tower raising event will be listed on our website (www.belton.org) and on Facebook. This 4 to 6 hour process should be interesting to watch. Tower completion is still scheduled for Spring 2016.



Private Infiltration/Inflow Program

TREKK Design Group is leading the department in administration of the private infiltration/inflow (I/I) program. The goal of this program is to identify and resolve sources of excess stormwater entering the City's sewer system. For residential properties, these sources can include uncapped cleanouts, improperly connected sump pumps, driveway and stairwell drains, roof drains and private service lines. The program is beginning in the West Belton area, which has the most significant I/I concerns in the City. The City will request permission from each resident to inspect homes and identify I/I sources. The City also has contracts with five local plumbers to correct issues once identified. Inspections and specific, qualified plumbing repairs will be conducted at 100% of the City's cost. A public meeting was held to solicit resident participation and two rounds of information mailers were sent out. Contact has been made with most of the affected residents and as of December 2014 the project is at 25% completion. TREKK has begun the process of scheduling plumbers to address items identified in the inspections.

Small Waterline Replacement

This project is a multi-year program to repair deficient waterlines throughout the City. The City has contracted with Alfred Benesch & Company and local contractor Wiedemann Construction to design-build these improvements. This program is needed to improve system performance and fire flow reliability and to maintain water quality standards. The first project was completed at Myron Avenue, Chadwick Street, and Canterbury Lane and will progress throughout the City over several years. The second phase was completed late 2014 and consisted of King Ave.

Did You Know?

The City of Belton corporate city limit is 14.3 square miles in size.

The highest elevation in the City of Belton is 1,123 feet.

The lowest elevation in the City of Belton is 908 feet.

In total, the Public Works Department is responsible for maintenance of 256 lane-miles of streets, 51 miles of storm sewer, 126 miles of sanitary sewer, 2,734 sanitary sewer manholes, 128 miles of water lines, and 1,202 fire hydrants!

Wastewater Treatment Plant Improvements

Design of improvements to the City's Wastewater Treatment Plant by Carollo Engineers is complete and the project is currently advertised for construction bids. Bids are due by February 3, 2015. Construction will begin in late spring/early summer and continue to the end of 2016.

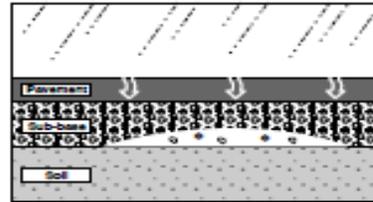
In general, the proposed upgrades include a new influent pumping station and a new headworks facility. This will result in greater capacity to effectively and responsibly treat high flow events, and to comply with regulations. Funding for this project is provided by a bond approved by the voters in April 2013 and will utilize a low-interest loan from the State Revolving Fund (SRF) program.

Potholes: 'Tis The Season

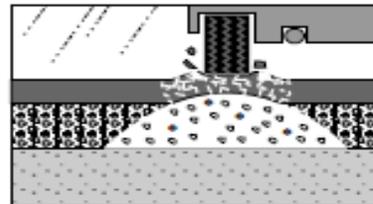
The Transportation Division is responsible for the maintenance and repair of potholes on City Streets. These car shaking, tire wearing formations can be a nuisance for every driver. Staff takes this seriously and recognize that you will often times see the pothole before staff does so your notice to us is very important. There are several ways you can help us become better at repairing these in a timely manner. You can notify us through the City of Belton website's Citizen Tracker or you can call us directly at (816)331-9455. Below is an article from the Virginia Department of Transportation on how potholes form.

Getting to the bottom

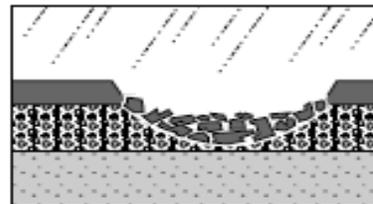
How potholes form



Water from melting snow and ice sweeps into the pavement and softens it. During repeated cold spells, the water in the pavement refreezes and expands breaking up the pavement on and below the surface



When the ice melts, it leaves gaps inside the pavement, and the moisture further softens it. The soft, fractured asphalt cannot support the weight of passing vehicles and begins to break up.



As vehicles continue to pass over the weakened spot, pieces of roadway are kicked out, creating holes in the road.

155th Street Widening

This project is currently in the preliminary design phase. The planned improvements include widening 155th Street to 3 lanes from the I-49 bridge to the Oil Creek bridge. As funds allow the road will be resurfaced as well from the Oil Creek bridge to Kentucky Road. With the Missouri Department of Transportation planning significant bridge improvements at 155th Street and I-49, 155th Street is projected to have large increases in traffic in the coming years and is a natural route for traffic to access the interstate. Construction is tentatively scheduled for Spring 2016.

Belton and Grandview worked together to secure funding from the Surface Transportation Program (STP) through the Mid-America Regional Council. STP funds would pay for 80% of the project construction costs with the remaining costs to be split between Belton and Grandview.

Statistics: October 1—December 31, 2014

Transportation

- 565 potholes repaired
- 15.98 tons of asphalt used for potholes
- 93.29 tons of asphalt used for patches
- 222 boxes of crack seal material used
- 36 storm drains & culvert pipes cleaned
- 370 cubic yards of debris removed while sweeping
- 109.5 tons of deicing salt used
- 4,300 gallons of salt brine used

Water Services

Maintenance Operations

- 147,000,000 gallons water pumped
- 4 water breaks repaired
- 6 water taps (new service)
- 13 responses to sewer backup calls
- 826 Missouri One Call locates

Treatment Plant Operations

- 83,892,000 gallons of wastewater treated by Belton's Wastewater Treatment Plant
- 114,490,000 gallons of wastewater treated by the Little Blue Valley Sewer District
- 34.2 dry tons of sludge produced by Belton's Wastewater Treatment Plant
- 12.2 inches of rainfall recorded at Belton's Wastewater Treatment Plant

Vehicle Maintenance

- 78 vehicle/equipment repairs completed

2014 APWA Snow & Equipment Expo

In October, crew members from the Transportation Division competed with surrounding KC metropolitan area Public Works Departments in the 2014 American Public Works Association Snow and Equipment Expo. Each crew member selected a specific event from skid steer, wheel loader, sweeper, backhoe, excavator and snow plow and competed amongst their peers. Kyle DeWeese took 6th place in the Sweeper Event and Ben Yoder brought home 7th place and a rookie award for the 11' Snowplow Event. Congratulations to all the crew members that competed and represented the City of Belton honorably!

OCI 80-90: Crack sealing

OCI 65-80: Chip Seal, Slurry, Micro

OCI 55-65: 2" Mill and Overlay

OCI 0-55: Reconstruct

Street Assessment: What Does This Mean and How Does It Work?

Since March 2012, Transportation Division crews have worked diligently to conduct a street assessment of every street segment within our transportation network. What is an assessment you ask? Well, an assessment is an inspection process to determine the condition of a street segment based off certain criteria established by the U.S Army Corp of Engineers and adopted by the American Public Works Association. This process helps staff make informed decisions on future maintenance activities for the network.

All pavements within the network are divided into sections, which are then divided into sample units. Each sample unit is visually inspected to determine the type, amount and severity of a distress which is then used to calculate the PCI (pavement condition index) or OCI (overall condition index). A distress can be anything ranging from potholes to linear cracking to alligator cracking to patching.

The process uses small samples of each segment to be inspected. The inspector measures each type of distress within the sample and documents it based off its severity. This information is then inputted into our pavement management software, Cartegraph, where it will produce the PCI/OCI.

All streets require various levels of maintenance. The Preservation Program focuses available resources on maintaining streets meeting current condition standards so they do not fall into the poor/failed range. The Public Works Department is also utilizing a two-year budget cycle to conduct work based upon the information above. This allows for a better economy of scale. If you have any questions or comments regarding the 2015 Street Preservation Program, do not hesitate to contact us at 816-331-9455 or continue to check the website at www.belton.org.

