

What's In The Works

City of Belton Public Works Department

April-June 2011

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PUBLIC WORKS CONTACT INFORMATION

Admin & Engineering:
331-4331

Pollution Control:
331-7789

Transportation:
331-9455

Water Division:
322-1885

Vehicle Maintenance:
331-7516

Website:
www.belton.org

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Services Provided

- Pothole patching & street repairs
- Maintain traffic signs & signals
- Maintain storm water infrastructure
- Maintain right of way
- Maintain sanitary sewer infrastructure
- Treat/process domestic sewage
- Hydrant Maintenance
- Water Meter Reading & Maintenance
- Maintain Water Infrastructure



Proud Past, Bright Future

First Annual Citizen Appreciation Fair



The first Annual Citizen Appreciation Fair was held May 12 at Wallace Park and was well received with roughly 400 citizens in attendance. The rain clouds held off and everyone enjoyed a free hotdog, chips and a

drink, raffle prizes handed out by Mayor Odom, and the bounce house. Many students of the local second grades participated in the public works coloring contest, and the top five received prizes. The Water Division's cross section of a fire hydrant and Pollution Control's hands-on microscope with a bacteria slide demonstration are examples of some of the educational components. Pamphlets were handed out by City staff as well as some of the City's engineering partners pertaining to stormwater management, street maintenance, and backflow. Many different pieces of equipment were on display from Public Works, Fire and Police. All the other City departments were available to discuss or demonstrate their services.

Voter Approved Street Preservation Project



On November 8, 2010 the City of Belton overwhelmingly passed a bond issue for street preservation. This project consists of curb and sidewalk replacement, and an extensive overlay program. On March 22, 2011, the Council approved a Unit Rate Price Contract and partnered with Superior Bowen Asphalt Company to complete these repairs. Work began in early May and is expected to last through mid fall. You may view weekly updates of the project on the City of Belton website.

As of June 30th:

- 11,629.5 feet of curb replaced
- 19,190 square feet of sidewalk replaced
- 88 square yards of sidewalk replaced for 18 ADA pads
- 1,136 yards of concrete poured

Assisted Joplin with Tornado Clean Up



Sunday evening, May 22, 2011, the City of Joplin, Missouri experienced an F5 tornado, one of the worst in American History. The amount of damage this neighboring city received overwhelmed every public service resource within their community, including the Public Works Department. Monday morning, the Municipal League of Cities (MML) requested neighboring communities send employees and equipment to assist. Within a couple of hours, the City of Belton Public Works Department was able to put a crew and equipment together to assist Joplin in their time of need. Gary Dupus, Tim Kuykendall and David Frazier were sent for the week to assist in clearing the streets and right of way of storm debris. This crew worked alongside other neighboring municipalities like Grandview, Greenwood, and Cass County to accomplish one goal, help the City of Joplin.

UV Project

The UV project, which was approved by voters in 2009 for improvements to the treatment facility, is progressing nicely. In addition to work on the UV basins, excavation has begun for the UV building. Also, work is well underway, at the first of three final clarifiers, to install density baffles and launder covers. These two devices will enhance the quality of our treatment process and reduce maintenance. Pictures are available on the City web site and we will continue to add them. Stay tuned!



Water Solution

The city currently purchases all water from the Kansas City Water Department. As the City of Belton continues to grow, even at a much slower pace, Kansas City Water Department has shown signs they cannot meet our current or future demands. City staff and their Engineering Consultants have worked many hours trying to find a solution. After all data and information was collected, it seems that a new water connection to Johnson County Kansas Water One is our best solution to meet the needs of our community for fire protection, general water consumption and future growth. You may see a bond proposed for this fall or early spring asking for the needed funds for water improvements. This bond will help us today and better prepare for the future ahead. The water division is always asking the public to conserve as much water as possible. By conserving water we ensure our water system stays full, it saves customers money, helps the water division save money spent on pumping cost and keeps water available for emergency needs. Please take a moment to review water conservation tips found on the City of Belton website. By conserving and working together, we help future generations have a brighter future.

Interesting Facts:

City Hall sits on a ridge. The front of the building drains into the Little Blue River Watershed and the back of the building drains into Truman Lake that is in the South Grand Watershed; both of which drain to the Missouri River

Each downspout on a house can drain approximately 12 gallons of water per minute during a one-inch rainfall!

The water tower at Peculiar Drive & Cunningham Industrial Parkway holds 1.5 million gallons of water, the ground storage tank on Holmes holds 2 million gallons of water, and the water tower at Berry & Hargis holds 300,000 gallons of water.

The wastewater treatment plant treats approximately 7,650 gallons of sewage each hour.

Engineering Division

Managing stormwater remains a high priority for the City, and the Engineering Team continues to manage multiple projects approved by the voters in 2006. The Apple Valley Drainage Project was recently completed. There are four remaining and projected to be complete by the Summer of 2012: "Cimarron Trails", "Park to Berry", "Cleveland Lake", and "Kingsland to 155th". The City's first comprehensive Stormwater Master Plan is underway as well and projected to be complete in the summer of 2012. This will be very important as it will serve as a guide to future improvements and management.

There are a number of significant improvements underway or coming soon such as the 163rd Street Project (Y Hwy), the "East Cimarron/Markey Meadows Sanitary Sewer Project" and the "Mullen Road Widening Project". The team is also working toward a new Capital Improvement Plan for the next five years. The Plan will be adopted in November of this year.



Completed Pond at the Apple Valley Drainage Project

Statistics: April 1st—June 30th

Pollution Control

- 20,753 feet of pipe cleaned in the preventative maintenance program
- 14 responses to sewer backup calls
- 125,400,000 gallons of wastewater treated by Belton's Wastewater Treatment Plant
- 170,010,000 gallons of wastewater treated by Little Blue Valley Sewer District
- 300 dry tons of sludge produced by Belton's Wastewater Treatment Plant
- 16.3 inches of rainfall recorded at Belton's Wastewater Treatment Plant

Transportation

- 1,235 potholes repaired
- 28.91 tons of asphalt used for potholes
- 364.21 tons of asphalt used for patches
- 35 signs repaired & replaced
- 86 storm drains cleaned
- 294 vehicles at clean-up days held in June

Water Division

- 335,000,000 gallons water pumped
- 3 water breaks repaired
- 3 water taps (new service)
- 770 Missouri One Call Locates

Vehicle Maintenance

- 98 vehicle/equipment repairs completed

Water Works

For the past three months, the water division has been busy inspecting/repairing fire hydrants, repairing customer lawns affected by winter water breaks and continuing our water valve exercising/repair programs. These programs help keep our fire hydrants ready for use when needed, keep chlorine levels up by flushing our water system and ensure valves are located and exercised when they are needed.

Wind Storm

Early Saturday morning June 18, 2011, the City of Belton received a wind storm with 80+ mile an hour winds that caused numerous power outages and downed trees throughout the City. By direction of the Emergency Services Department and normal emergency operating procedures, several Public Works team members were called in to assist with blocked streets and a power outage that affected the Wastewater Treatment Facility.

When the event was over and the damage had been assessed, the Council and Administration directed the Public Works Department to find a solution for citizens to dispose of their downed trees and branches. The City partnered with Lawn Corp, Inc., located just west of Prospect on 58 Highway, to be the location to dispose of the brush. The debris drop-off site was held for thirteen days where 1260 loads of brush were brought to be disposed of. This is just another example of how our great City pulls together when Mother Nature throws us a curveball.

Help Protect Our Streams

The City of Belton has 15 different outlets to natural waterways: Lumpkin Creek (4 locations), Little Blue River (5 locations), Mill Creek (3 locations), West Fork of East Creek (2 locations), and East Creek (1 location). Belton citizens can make a difference in protecting our streams through simple housekeeping practices such as disposing of waste properly, using lawn chemicals wisely, using rain barrels, and blowing grass clippings back in the yard and not in the storm boxes. There are also simple and cost-effective solutions to individual stormwater issues such as rain gardens and grassy swales that are very effective in reducing pollutants in the streams when done properly.



If you don't know where you are going, you will wind up somewhere else.—Yogi Bera