



What's In The Works

City of Belton Public Works Department

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APWA Accreditation



After almost two years of assessment, the public works team reached a major

milestone in August by receiving Full Accreditation by the American Public Works Association. Belton is the 5th to achieve this in Missouri and the 86th in all of North America. Accreditation does not mean we will be perfect, but it does mean we are using best practices and are committed to continuous improvement toward providing

the best services possible. This had been one of four goals in the department's strategic plan that will be updated this winter. By the way, the departments Strategic Plan, along with two fleet maintenance practices, was identified by the APWA review team as a "Model Practice" for other agencies to refer to.



Cleaning Up Belton



The Public Works Department played a key role in the annual Clean up Days event September 28-29. The event was held this year at the Belton Freshman Center and allowed citizens to bring bulky trash items to be disposed of. A total of 285 cars utilized this annual service and nearly 1000 cubic yards of debris was hauled off. In addition to debris, the service collected 84 tires and 12 batteries. The Public Works Department would like to

thank the Belton School district for use of the facility. It is greatly appreciated!

The Hazardous Household Waste mobile event was also held on September 28 in Raymore. This collection service allowed both Raymore and Belton residents to dispose of anti-freeze, batteries, motor oil and paint as part of the Mid America Regional Council household hazardous waste program. Although this was a mobile event, residents are encouraged to utilize the Missouri permanent collection facilities in Kansas City and Lee's Summit. For more information on this program, please visit www.recyclespot.org.

Retirement Bound

The Public Works Department would like to Congratulate Paul Ngo and Paul LePage on their recent retirement. Both of these men have been a vital part of the success of Public Works and will be truly missed.



Paul Ngo worked for the Transportation Division and Parks Department for nearly ten years and was responsible for maintaining numerous landscape areas

throughout the City. His hard work and dedication is an example of what Public Works strives for. Paul's first order of retirement was to spend time with his family in Las Vegas.

Paul LePage has been with the Transportation Division for 15 years and is a teammate that everyone loved and respected. His caring personality and winning smile made the jobsite a better place. Paul intends to take some time to travel and visit family in Texas after retirement.



We wish them a long and happy retirement.

Public Works Committee

We want to thank the dedicated citizens of the PWC for sacrificing a small part of their lives and playing such a key role in developing solutions for staff and the City Council to consider and work toward. Randy Hendricks, Kevin Fox, Chris Stewart and Steve Bennett have spent many hours with us over the last two years and we appreciate their participation.

Cleveland Lake

Construction of Cleveland Lake is nearly complete! Over the last few months the parking lot, boardwalk, boat launch and asphalt trail were constructed. Finishing touches are underway and the City has scheduled a Grand Opening date of Friday, October 18th at 3:30 PM. This event is open to the public and we encourage you to come out and celebrate our new park!



Help Keep Belton Clean



The Public Works team is in the process of developing enrollment documents and a webpage for the Adopt-a-Street program to help keep our streets and waterways free of pollution. Preliminary signage has also been developed, and we expect to have the Adopt-a-Street program up and running by December!

The Adopt-a-Stream program is also under development and will be available next calendar year. If you're interested in participating in these upcoming programs, please contact the department at (816) 331-4331.

Did You Know?

From April 2012 to March 2013, the City installed nearly 14,000 lane-feet of streets, more than 8,000 feet of storm sewer, more than 20,000 feet of sanitary sewer and nearly 3,000 feet of water lines!

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, 129 miles of water lines, and 1,226 fire hydrants!

New Employees



We are pleased to introduce Ray Ryan as the new Assistant City Engineer! Ray started in our Engineering Division in early August. In general, he will be responsible for managing capital improvement projects, supporting maintenance division programs, and assisting with other

engineering related issues within the City. Ray graduated from the University of Arkansas with a Bachelor's of Science degree in Civil Engineering. His previous experience consists of many pavement improvement design projects, several storm water drainage studies, and practical field construction inspection. Please feel free to stop by Ray's office to introduce yourselves at the City Hall Annex or via email at rryan@belton.org.

The Water Services Division is happy to welcome Jesse Bunger as our newest employee. Jesse started in early September and comes to us with several years of experience in the utilities industry. We look forward to working and learning with Jesse as he begins his career with the City of Belton.



Success is not final. Failure is not fatal. It's the courage to continue that counts—Winston Churchill

Emergency Storm Sewer Repairs



On May 31, 2013, the City of Belton experienced a flash flood event in which a sinkhole was discovered over a 36" storm pipe in the Twin Oaks subdivision just east of Chestnut, between Washington and North Oak Drive. Crews responded and

orange fencing was installed to protect the area.

On June 27, crews dug up the area over the storm pipe and found approximately 20' of the pipe collapsed due to severe deterioration. It was determined that this entire section of pipe was installed in such a manner that created a significant sag resulting in water and debris constantly being held in the pipe.

Staff began looking at the solutions to complete this repair and determined the only fix was to replace the entire 300' section of pipe. Staff weighed the alternative of completing this repair in-house with several safety issues being a concern. The power poles run directly to the south of the pipe and must be braced. In addition, the depth of pipe and the need to install proper shoring created other concerns.

Staff utilized their emergency on-call contract to partner with Wiedenmann and Godfrey Construction to complete the work. Public Works would like to thank the effected residents for their patience during this emergency repair.

Wastewater Treatment Plant Improvements

Design of improvements to the City's Wastewater Treatment Plan is ongoing. This project involves upgrades to several elements of the City's plant to provide greater capacity and allow for growth and development in the City. Funding for this project is provided by a bond approved by the voters in April 2012.

Statistics: July 1st—September 30th

Transportation

- 915 potholes repaired
- 18.54 tons of asphalt used for potholes
- 389.85 tons of asphalt used for patches
- 15 signs repaired & replaced
- 74 storm drains & culvert pipes cleaned
- 35 feet of sidewalk replaced
- 80 feet of curb replaced
- 81 cubic yards of debris removed while sweeping
- 285 vehicles utilized clean-up days

Water Services

Maintenance Operations

- 420,000,000 gallons water pumped
- 8 water breaks repaired
- 3 water taps (new service)
- 6 responses to sewer backup calls
- 1,049 Missouri On Call locates

Treatment Plant Operations

- 76,979,000 gallons of wastewater treated by Belton's Wastewater Treatment Plant
- 96,620,000 gallons of wastewater treated by the Little Blue Valley Sewer District
- 22.7 dry tons of sludge produced by Belton's Wastewater Treatment Plant
- 9 inches of rainfall recorded at Belton's Wastewater Treatment Plant

Vehicle Maintenance

- 134 vehicle/equipment repairs completed

Annual Wastewater Permit Testing



Water Flea

The Wastewater Treatment Facility passed two critical tests to be compliant with its Operating Permit. The first test was the EPA directed DMR-QA (Discharge Monitoring Report-Quality Assurance) laboratory proficiency test. This checks

laboratories for accuracy and testing procedures to validate the quality of the reported data that permit holders submit to their regulatory agencies. The test for the City's facility included BOD (biochemical oxygen demand), pH, TSS (total suspended solids), Ammonia as Nitrogen and E-coli. The second test is the WET (Whole Effluent Toxicity) test. This test places Fathead Minnows and a species of Water Flea called Ceriodaphnia Dubia in various concentrations of the plant effluent discharge and monitors for mortality. The facility's Effluent achieved 0% mortality in all WET test concentrations.

Markey Parkway

The final phase of Markey Parkway, connecting Mullen Road to State Highway Y, is under design. The design phase is anticipated to be complete by the end of 2013.

Construction will begin in early 2014 with an expected completion date of June 2014. In addition to the roadway design, the City's consultant is designing a regional stormwater detention area that developers within the basin can contribute to.

New Water Tower

You may recall that the City has been working with the State to secure low interest loans for the "water project" that voters strongly supported in the April bond election. Staff has been working diligently to meet certain requirements of the State and is optimistic that final approval is coming soon. The City plans to bid and award the project late this fall or early winter, and begin construction of water lines and excavation for the water tower in March, 2014. The tower and related improvements will be completed in the fall of 2015.

Kingsland Storm Water Project

Construction of the first phase of the Kingsland to 155th Street Stormwater Project was completed in August! This phase addresses street flooding at the 1400 block of North Scott Avenue. The second phase of the Kingsland project is in design, and construction is expected to begin this winter.

Leaves, Leaves Everywhere



Fall is upon us. The thousands of beautiful trees throughout the City will be preparing themselves for winter by changing colors and slowly dropping their leaves. Many of us would say this is one of our favorite times of the year. However, as beautiful as fall is, leaves create backaches for homeowners and businesses alike. We have to rake 'em, bag 'em and haul 'em; a never ending cycle. As this is a problem for homeowners, it is also a concern for the Public Works Department.

The Public Works Department maintains nearly 51 miles of storm sewer pipe and 1,800 structures. If not properly disposed, leaves and yard debris can plug this infrastructure causing streets and homes to flood and potentially harm our creeks.

Article 1, Section 19-2 of the City of Belton Code of ordinances prohibits disposal of yard waste on City streets or in any drainage facility.

What can you do?

- Keep all fallen leaves and grass clippings on your property; off of the sidewalks and out of the streets
- Set your lawn mower to mulch and mow high. Taller grass retains moisture and catches grass clippings. Mow often enough that grass clippings are shorter than the remaining lawn and can be trapped on your lawn. If you choose to collect grass clippings, follow any of the options below.
- Bag leaves and grass and take them to the nearest recycling center. Visit recyclespot.org for more information.
- Compost leaves on site away from storm drains, wetlands and streams. Contain your compost to keep nutrient-rich water from leaching into the storm system.
- If you see a storm drain that is clogged and can clear it without placing yourself in danger, please remove the leaves.