

What's In The Works

City of Belton Public Works Department

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PUBLIC WORKS CONTACT INFORMATION

Admin & Engineering:
331-4331

Pollution Control:
331-7789

Transportation:
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Water Division:
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Vehicle Maintenance:
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Current Construction Projects

Construction continues on the 163rd Street Widening Project and Cimarron Trails Drainage Project; both are projected to be complete in the first quarter of 2012.



163rd Street Widening Project



Cimarron Trails Drainage Project

Voter Approved Street Preservation Project

On November 8, 2010, the City of Belton overwhelmingly passed a bond issue for street preservation. This project consisted of curb and sidewalk replacement, and an extensive asphalt overlay plan. On March 22, 2011, the Council approved a Unit Rate Price Contract and partnered with Superior Bowen Asphalt Company to complete this work. Work began in early May and was completed in October, within budget.

The Unit Rate Price Contract (URPC) proved to be a unique tool when planning for the projects associated with the bond issue. This contract covered every maintenance technique with unit rate pricing thus saving staff bidding time. In the past, each project would have been bid and approved individually.

What makes this contract truly unique is it was written as a cooperative agreement. Every city, government entity, school district, and/or park system, within Cass County and including Grandview, could benefit from the pricing received through the contract. The goal is to collectively increase volume and reduce prices thus saving time and tax dollars. This past summer Pleasant Hill, Peculiar, Cass County, and the Belton Parks Department and Fire Department were all able to benefit from this contract.



The Department of Public Works would like to thank every citizen for their patience and understanding while completing this work.

Final Amounts:

- 125,894 square yards asphalt milled
- 8,597 square yards of base repaired
- 33,225.52 tons of asphalt used
- 19,484.5 feet of curb replaced
- 26,217.75 square feet of sidewalk replaced
- 138 square yards of sidewalk replaced for 27 ADA pads
- 589 square feet for drive approaches
- 1,745 yards of concrete poured

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
- Snow & ice removal



Proud Past, Bright Future

Water Works

During the past several months, the Water Division has been busy with water main and fire hydrant repairs. The lack of rain over the past several months and an aging infrastructure has caused several water main breaks during the 2011 calendar year. When dry weather occurs, this allows the ground to shrink and pull away from buried utility lines, home foundations and even curbs. The ground, contracts or shrinks during dry weather and when this occurs during prolonged dry conditions, PVC, Cast Iron and Ductile water mains are more likely to fail. The shrinking of the ground can even cause concrete support blocks holding fire hydrants and water main fittings together, to move.

During 2011, the Water Division repaired 54 water main leaks. The average is around 20 per year. The Water Division's main goal is to keep our water supply, customers, employees and properties safe at all times. During water main repairs, staff tries to notify the public when we have a water repair emergency by going door to door with information. Sometimes, if a water break is too large and there is a risk of water contamination, public safety concerns, employee safety concerns, property damage concerns or risk of dropping water pressures so low that it could impact fire protection, water supplies to homes could be interrupted without notice. The Water Division tries to notify the public as soon as possible, but sometimes the situation doesn't allow for it. However, if there is concerns with contamination, proper notification will take place without exception.

New Salt Storage Facility

On September 27, 2011, the City Council approved the purchase and construction of a salt storage facility for the Transportation Division of the Public Works Department. This 40' x 60' building was constructed to store approximately 900 tons of winter materials for the plowing and treating operations of the division. It gives the division the ability to store these materials safely and without impacts from the weather. Maintenance crews did a great job in preparing the site and constructing the floor and foundation for the installation of the building itself. The total cost to complete the building was \$39,400.



Employee Excellence Award

The Public Works Department would like to congratulate Mike Cochran, Chief Mechanic, for earning the employee excellence award. Mike was nominated by his peers for his outstanding work ethic and positive attitude. When a vehicle or piece of equipment breaks down, Mike has always been there with a smile on his face, an encouraging word and a determination to make the repairs in a timely manner. He is the type of employee we all strive to emulate. Congratulations Mike!!!!



UV Project

The UV disinfection project, which was approved by voters in 2009 for improvements to the wastewater treatment facility, is all but complete. There are some minor items to be addressed on the punch list, and final grading and seeding will take place next spring. The project was a tremendous success with minimal change orders and staff would like to thank everyone involved including our design engineer, Carollo Engineers, and contractor, David E. Ross Construction Company. We hope to have a ribbon cutting ceremony next spring when the weather warms up.



Upcoming Construction Projects

Construction will begin soon on the following projects

- East Cimarron/Markey Meadows Sanitary Sewer Project
- Baldwin Sanitary Sewer Project
- Mullen Road Widening Project will widen Mullen Road to four lanes from Hy-Vee south to Silver Maple Drive and will be advertised for construction this spring.

Interesting Facts:

In 1909, the police department in New York City implemented the first whistle traffic control system. One blast gave north & south traffic the right of way. Two blasts gave east & west traffic the right of way. Three blasts meant imminent danger.

The overall amount of water on our planet has remained the same for two billion years.

Engineering Division

Engineering design work to develop the Stormwater Master Plan continues with completion expected in the summer of 2012. A public meeting to gather input from citizens regarding recommendations in the Hargis Lake area was held on December 15th. Funding improvements to the Hargis Lake area and other areas has not yet been determined.

The Capital Improvement Project (CIP) status webpage continues to evolve with some great improvements. These improvements consist of a location map with locator pins that are "clickable" to provide more information about the status of the project. The improved webpage is available at the following address: <http://www.belton.org/DocumentView.aspx?DID=865>

Staff has started working on the development of a comprehensive pavement management plan. The City will be conducting annual pavement condition ratings and implementing advanced GIS-based pavement management software over the next several months. The goal of the City of Belton's pavement management plan will be to identify a proper road program funding level and then provide the highest quality network of pavements possible for the traveling public at the available funding level.

Statistics: October 1st—December 31st

Pollution Control

- 45,570 feet of pipe cleaned in the preventative maintenance program
- 18 responses to sewer backup calls
- 73,400,000 gallons of wastewater treated by Belton's Wastewater Treatment Plant
- 130,100,000 gallons of wastewater treated by Little Blue Valley Sewer District
- 28.1 dry tons of sludge produced by Belton's Wastewater Treatment Plant
- 10.8 inches of rainfall recorded at Belton's Wastewater Treatment Plant

Transportation

- 479 potholes repaired
- 19.99 tons of asphalt used for potholes
- 386.16 tons of asphalt used for patches
- 59 signs repaired & replaced
- 245 storm drains & culvert pipes cleaned
- 25.85 tons of salt & sand used for snow/ice removal
- 1,200 gallons of salt brine used

Water Division

- 275 million gallons water pumped
- 22 water breaks repaired
- 10 water taps (new service)
- 749 Missouri One Call Locates

Vehicle Maintenance

- 104 vehicle/equipment repairs completed

Water Solution

The City has reached an important point in its growth that requires a large amount of thought, planning and decisions regarding its long-term drinking water source. Currently the City purchases all of its drinking water from Kansas City Missouri. The Mayor and Council directed staff over two years ago to evaluate alternatives. The subsequent study was completed in November and the recommended solution is to add WaterOne of Johnson County Kansas as a source of water to help meet the City's current and long-term needs.

The department and its consultants are currently developing a water and sewer rate program that will be best for funding operations and the capital improvements necessary over the next 10 years, including the drinking water project. City Council is very eager to determine the best funding program while keeping rates affordable. Conclusions are anticipated in the 1st quarter of 2012 that are likely to include a bond election in April or June, 2012.

Fire Hydrants

Fire hydrants are inspected and maintained by the Water Division annually. During the past year the Water Division has successfully tested approximately 1,100 public fire hydrants. Hydrants found needing general repairs are being completed as time allows. These repairs could consist of needed painting, chains missing, bolts needing replaced and/or hydrant valve boxes needing re-centered. All hydrants found to be hard to open, leaking or out of service are placed on top of the priority list. These hydrants will be repaired or replaced as soon as possible to assist with fire protection needs. During the next three months, all hydrants on the priority list will be complete. The Water Division will start the 2012 fire hydrant inspection program in March.

Field Supervisor Excellence Award

The KC Metro Chapter of the American Public Works Association recognized David Frazier (Street Maintenance Superintendent) with its annual Field Supervisor Excellence Award in December. Mr. Frazier is a great example for his division, and represents the



Department and the City in a very professional manner. We are very proud of David and the Street Maintenance team for the work they did last winter and the work that was done with the voter approved street maintenance bonds this year.

Retirements

December 20, 2011 was the last working day for Sewer Maintenance Foreman, Neal Honderick, who loyally served the city for 28 years. Neal's official retirement date is January 17, 2012. In addition, the Pollution Control Division will be losing a treatment plant operator, John Clawson who has served the city for 11 years. John also retires on January 17, 2012. Thank You Neal and John for your friendship and many years of dedicated service to the City of Belton.

Community Assistance

The Public Works Department organized a holiday raffle this Christmas season with the help of donations from Superior Bowen Asphalt Company and Precision Construction. This partnership of caring and giving raised over \$550 for a Belton charity.

Update Since Newsletter 2

The team continues to look for improvements in efficiency and one of the latest results is that the drinking water and waste water (Pollution Control) divisions are going to be combined into one division titled the "Water Services Division". This is a more common organizational structure in the public works industry. It will provide a more streamlined structure to improve planning and utilization of resources resulting in more efficient services. There are no negative impacts expected for customers as a result of the restructuring. The City's new 5 year CIP was developed, recommended by the Planning Commission and introduced to City Council. It is an action item for Council in January 2012.