

What's In The Works

City of Belton Public Works Department

July-September 2011

Volume 1, Issue 2

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

Newly Created Public Works Committee



Kim Cooper, Chris Stewart, Kevin Fox, Randy Hendricks, Steve Bennett

The department continues to work on many strategic items, including the newly created **Public Works Committee (PWC)** that met for

the first time on September 29, 2011. This is a citizen advisory committee to public works staff and the City Council. The committee will meet routinely to suggest improvements to services and the like, and help staff and Council make key decisions on new initiatives and challenges. It is made up of one citizen per ward and one Council member as its liaison to the Council. The Mayor appointed the following members: Steve Bennett (Ward 1), Chris Stewart (Ward 2), Randy Hendricks (Ward 3), and Kevin Fox (Ward 4) to serve on the committee, and Councilman Kim Cooper will serve as its liaison. Staff is very excited about the new journey and the commitment of these members.

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 overlay. 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 be completed on time and 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 that it was written as 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 these projects.

As of September 30th:

- 121,079 square yards asphalt milled
- 6,704 square yards of base repaired
- 31,486.88 tons of asphalt used
- 17,896.5 feet of curb replaced
- 26,011 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

UV Project

The UV disinfection project, which was approved by voters in 2009 for improvements to the wastewater treatment facility, is going very well. Final clarifier improvements have been completed with substantial completion by the end of the year. Flows were diverted from the old structure to the new on October 12, 2011. It has been a very successful project to date.



Water Solution

The city currently purchases all drinking water from the Kansas City Water Department. As the City of Belton grew at approximately 6% over the last decade and continues to grow, even at a much slower pace, Kansas City struggles to meet current demands and are not ready to meet future demands. City staff and their engineering consultants, with the support of the Mayor and Council, have worked over the last couple of years to find the best solution. A solution is developing and will be discussed by staff and Council over the next few months. In the meantime and until a solution is in place, the water division is always asking the public to be sensitive to their "extra" water usage. By conserving water you can help ensure that the water system meets the demands of essential water usage. Please take a moment to review water conservation tips found on the City of Belton website. By being good stewards and working together, we can help future generations realize a brighter future.

Interesting Facts:

If the sewer pipes in Belton, exclusive of service laterals, were laid end to end along I-70, they would stretch from Kansas City to Columbia, Missouri!

If all U.S. households installed water-saving features, water use would decrease by 30 percent, saving an estimated 5.4 billion gallons per day. This would result in dollar-volume savings of \$11.3 million per day or more than \$4 billion per year.

The world's first traffic light came into being at an intersection in London in 1868, before the automobile was in use. At that time, traffic consisted of pedestrians, buggies, and wagons.

The first public reservoir was constructed in New York in 1776, conveying water through hollow logs.

American Public Works Association

Accreditation

Being the best we can be is paramount to our mission and one of the important measurement indicators of our performance long term will be **accreditation through the American Public Works Association (APWA)**. The Mayor and City Council recently displayed their support of the department's mission and strategic plan by approving application to APWA to begin the process that could take up to three years to complete. The program is designed to help agencies determine and use best practices in the industry, and to find creative and innovative methods for improving services to the community. It is a comprehensive process and will result in a team that is very efficient and productive benefiting the community in many ways.

Believe you can and you're halfway there.—Theodore Roosevelt

Engineering Division

Several significant capital improvement projects are underway or coming very soon! Traffic was recently switched to the newly constructed east lanes on the 163rd Street Widening Project and construction has started on the Cimarron Trails Drainage Project. The Mullen Road Widening and East Cimarron/Markey Meadows Sanitary Sewer Projects will be advertised for construction in the next few months. Engineering design work to develop the Storm Water Master Plan continues with completion expected in the summer of 2012.

The team has developed a capital improvement project status webpage. The page provides information on all active CIP projects, including a description, contact information, anticipated schedule, and estimated project costs. The webpage is available at the following address:

<http://www.belton.org/index.aspx?NID=335>



With all the critical capital work underway and coming soon, it is important to be cautious in construction areas. Remaining patient, staying alert, and following traffic control signage are critical to your safety and the workers in the area.

Statistics: July 1st—September 30th

Pollution Control

- 78,233 feet of pipe cleaned in the preventative maintenance program
- 14 responses to sewer backup calls
- 54,446,000 gallons of wastewater treated by Belton's Wastewater Treatment Plant
- 107,903,000 gallons of wastewater treated by Little Blue Valley Sewer District
- 29.1 dry tons of sludge produced by Belton's Wastewater Treatment Plant
- 8.6 inches of rainfall recorded at Belton's Wastewater Treatment Plant

Transportation

- 399 potholes repaired
- 23.15 tons of asphalt used for potholes
- 305.07 tons of asphalt used for patches
- 12 signs repaired & replaced
- 14 storm drains cleaned

Water Division

- 442 million gallons water pumped
- 18 water breaks repaired
- 7 water taps (new service)
- 836 Missouri One Call Locates

Vehicle Maintenance

- 101 vehicle/equipment repairs completed

Sewer Rehabilitation

Sewer rehabs are getting ready to begin which include pipeline and manhole improvements, which will help the city reach its goal of reducing inflow and infiltration (rainwater entering the sanitary sewer system) by 30%. This project will reduce flows in to the system resulting in fewer overflows and will also extend the life of the existing treatment plant before expansion is required. Reducing inflow & infiltration reduces treatment costs and keeps customer costs down.

Water Works

For the past three months, the water division has been busy inspecting/repairing fire hydrants 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.

New Assistant City Engineer

Zach Matteo, Assistant City Engineer, joined the Public Works team in July. He is a graduate of Michigan State with previous experience in storm water, sanitary sewer, and water distribution. Zach is tasked with many job duties and we are excited to have him as a member of the team!

Missouri One Call System

Prior to digging Missouri law requires that any person making or beginning any excavation notify Missouri One Call System (MOCS) at least three days prior but not more than ten working days in advance except in case of an emergency to have all underground utilities located. There are three ways to contact MOCS; call 1-800-DIG-RITE (1-800-344-7489) or 811, online at www.mo1call.com, or by fax at 1-800-217-3717. The uniform color code for marking underground utility lines is:

White – Proposed Excavation

Pink – Temporary Survey Markings

Red – Electric Power Lines, Cables, Conduit, and Lighting Cables

Yellow – Gas, Oil, Steam, Petroleum, or Gaseous Materials

Orange – Communication, Alarm or Signal, Cables or Conduit

Blue – Potable Water

Purple – Storm Water, Irrigation, and Slurry Lines

Green – Sanitary Sewer and Drain Lines

Update Since Newsletter 1

There are several successes since the last newsletter: many miles of street overlays were completed; hundreds of feet of sidewalk and curb were replaced; all hydrants in the City were inspected; a capital improvement project status web page was created for public access and information; and a considerable amount of wastewater maintenance activities were completed. The department is making commendable progress on its plan and looks forward to improving the essential services it provides.



Cimarron Trails Drainage Project Under Construction

New Street Maintenance Worker

The Public Works Department/Street Maintenance Division would like to welcome Taylor Good to the team. Taylor brings an energetic and willingness to learn attitude that will truly benefit the division.