



Public Works Monthly Report

September 2016

Statistics at a Glance

Surface Water Pumped – 141.233 MG

Gallons Flushed – 8.1 MG

Work Orders – 684

Right-of-Way Permits – 73

Public Works Inspections – 113

Detailed information contained within the report

Public Works Update

In September, the reconstruction of the Dallas North Tollway and Prosper Trail was completed.

The reconstruction of Church Street — First Street to PISD broke ground this month. The project is scheduled to be completed in mid-February.

Public Works worked diligently to repair a pressure issue in Glenbrooke Estates in August, which resulted in abnormally high water bills for our new customers. Public Works worked to resolve issues with high water bills, issuing credits to many new customers.

Staff attends mandatory safety meetings each month. This month the safety meetings were held on Wednesday, September 07, and Wednesday, September 20, 2016

Public Works Department is currently accepting applications for a Heavy Equipment Operator.

Staff compiled the data from the 2016 Irrigation Evaluation Program, which resulted in an overall water savings of 11% when comparing usage from July 2015 and July 2016.

Town of Prosper
Public Works

Water
Water Conservation
Wastewater
Streets
Storm Water

Physical Address:
601 W. Fifth Street
Prosper, Texas 75078

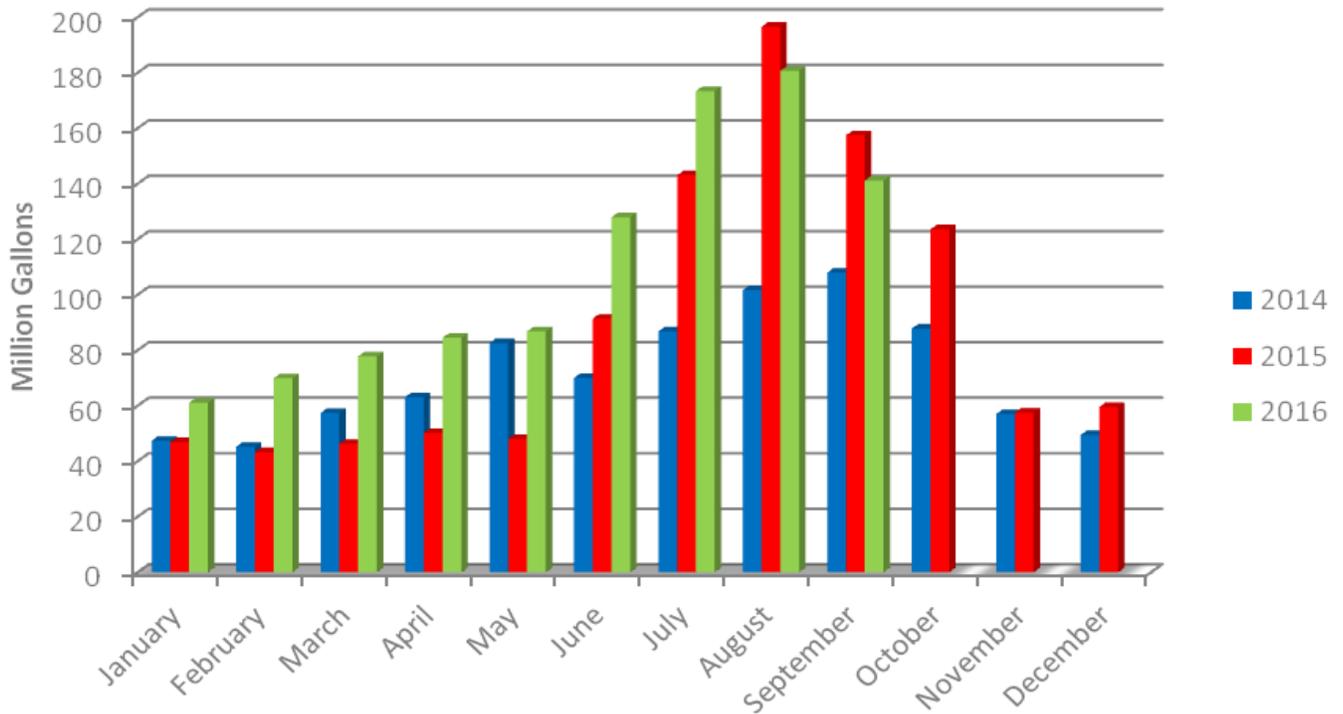
Mailing Address:
P.O. Box 307
Prosper, Texas 75078

Phone: 972.347.9969

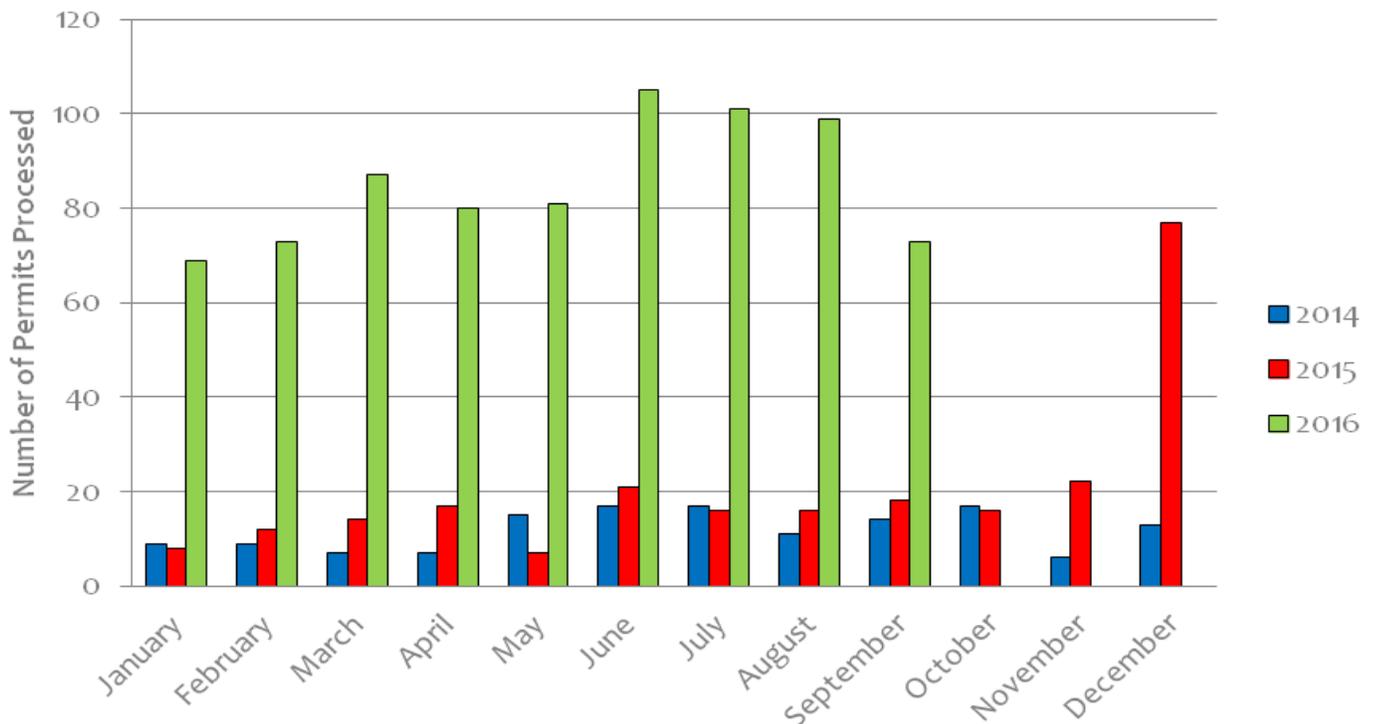
www.prospertx.gov

Water

Surface Water Pumped

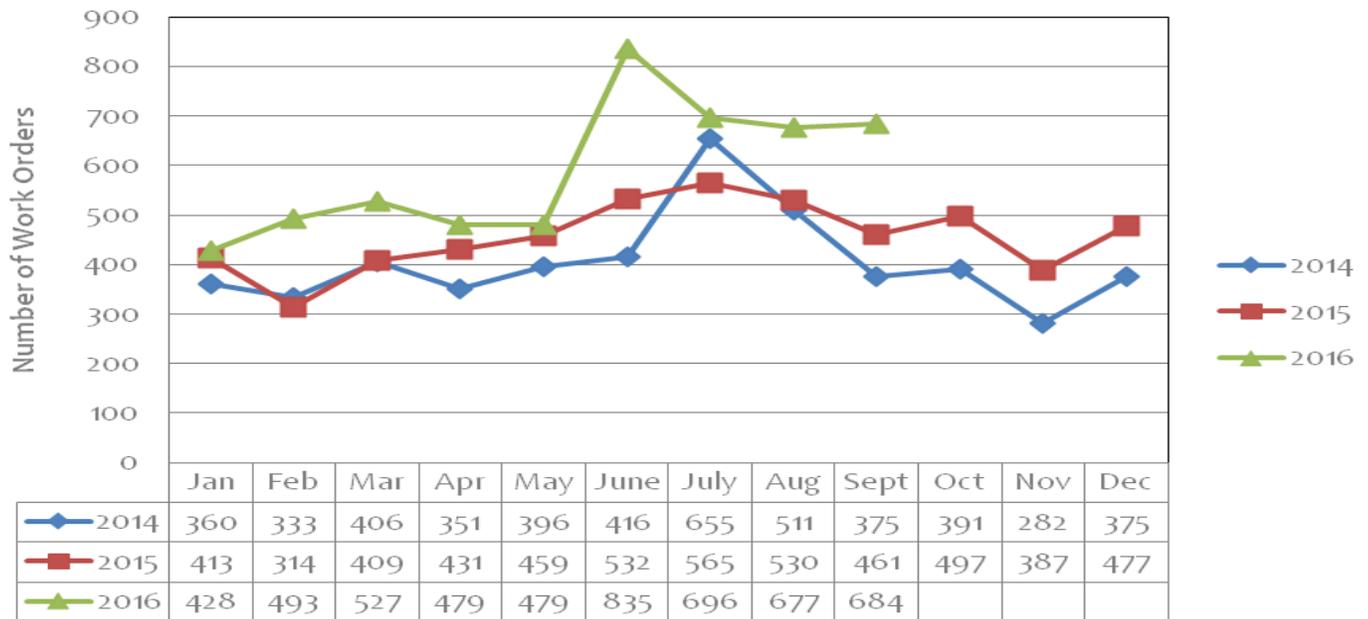


Right-of-Way Permits



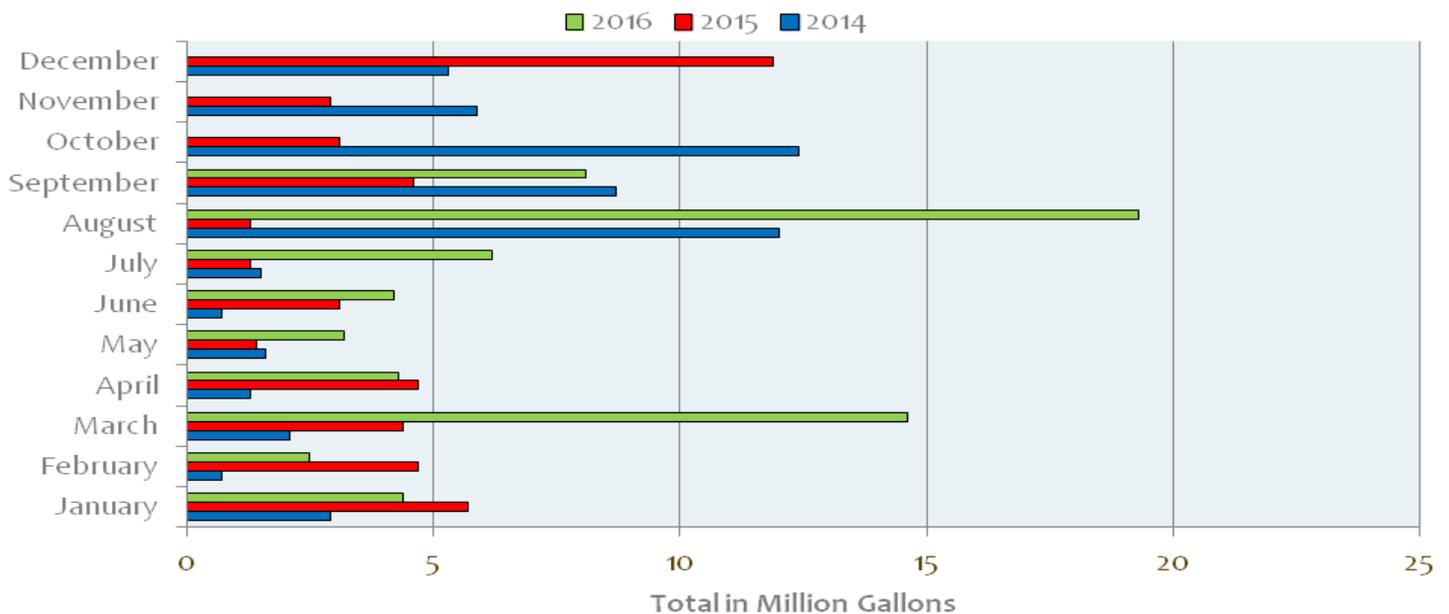
Staff returned 73 ROW Permits in September.

Work Orders



Note: Work orders are possible repairs on equipment or lines, potholes, street signs, etc. that have been initiated by customers or staff. The work orders total also includes locate requests and other service requests that are entered into CityWorks.

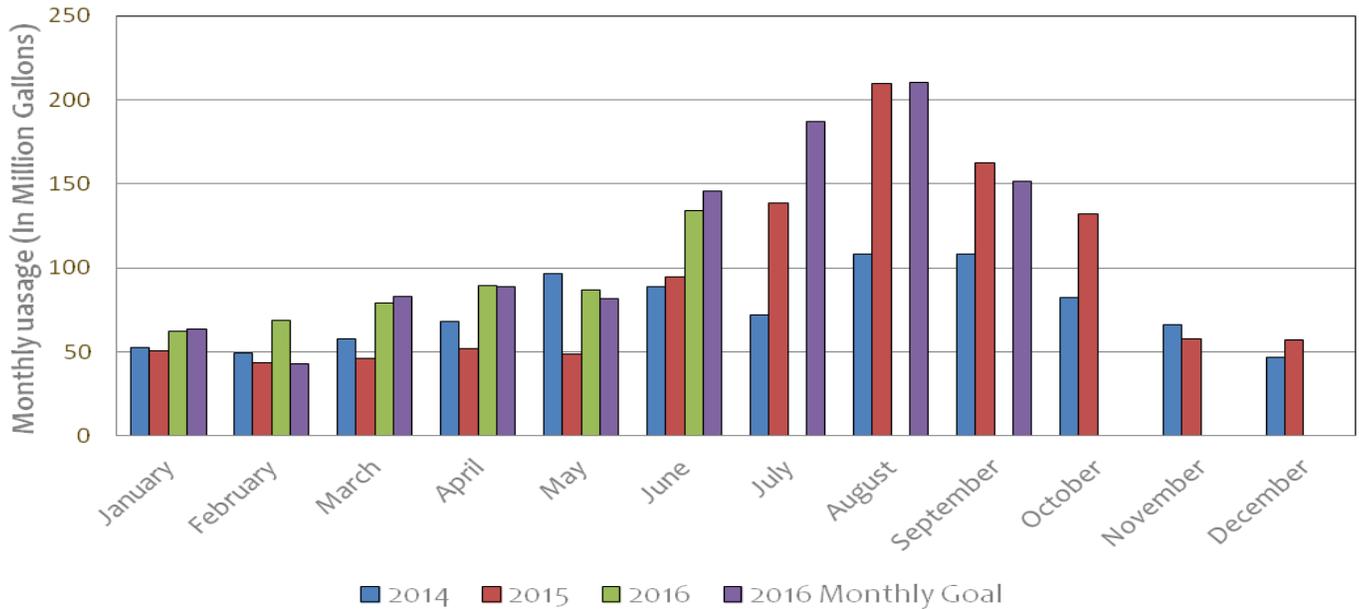
Flushing



Staff continues to conduct the monthly flushing program which is required by Texas Commission on Environmental Quality (TCEQ). The program requires staff to flush each dead end main lines once a month to ensure the quality of the drinking water and maintain the free chlorine residual in the water. In September, staff flushed 8.066 MG of water.

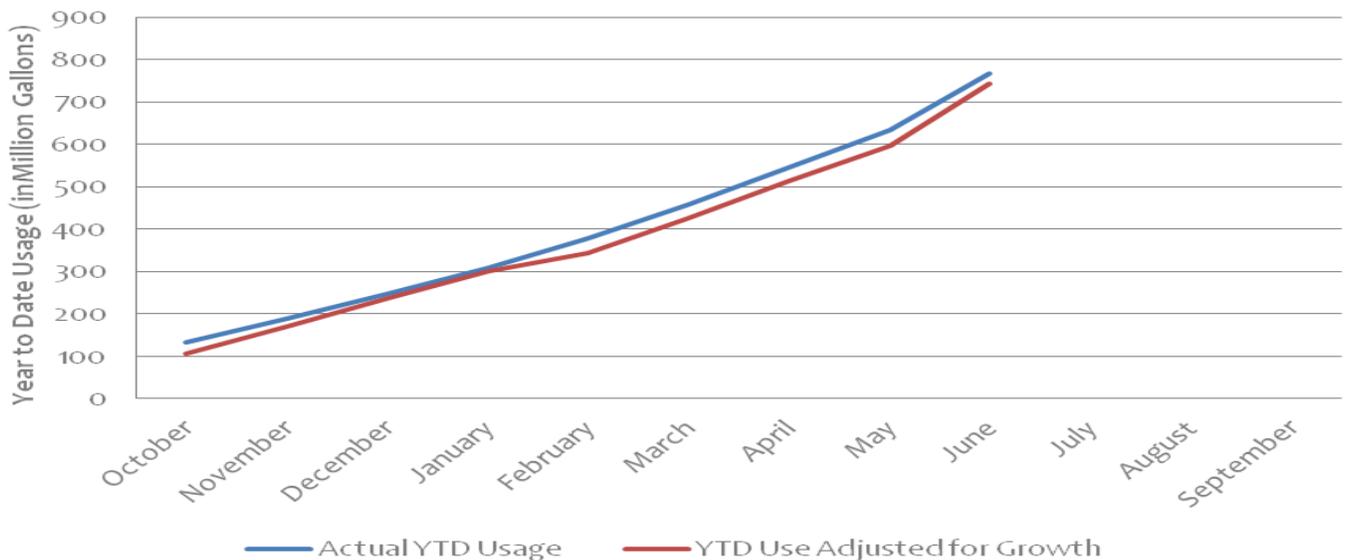
Water Conservation

Monthly Water Usage/Monthly Goal Comparison



The Town of Prosper was 11.4 MG under the Use Adjusted for Growth for the month of June. Staff is waiting for NTMWD to update their records for July, August, and September.

YTD Water Usage Comparison

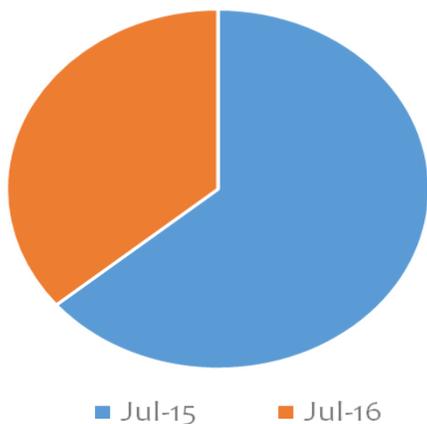


The Town of Prosper is 3.5% above the year-to-date amount 2010-11 use adjusted for growth goal for this fiscal year as of June. Staff is waiting for NTMWD to update their records for July, August, and September. It is required by North Texas Municipal Water District, that we have educational programs in place to reduce the waste and over use of water.

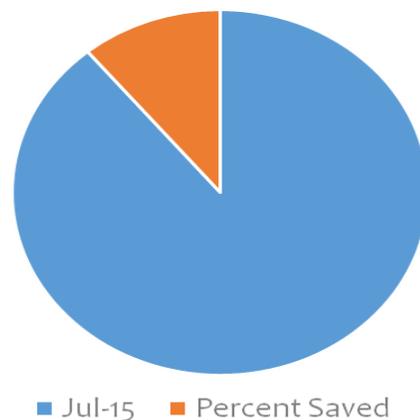
Irrigation Evaluations

The data was collected on each Irrigation Evaluation. Out of 100 Irrigation Evaluations, there were 13 with inconclusive data. The faults involved several customers who were lacking data for 2015, since some were not water customers of Prosper, at that time, as well as errors with the MTUs transmitting usage. One customer's usage was identical in July 2015 and July 2016; therefore, there are 86 evaluations remaining for comparison. Fifty-one percent decreased their water usage with a total savings of 705,500 gallons of water for the month, with an average savings of 16,034 gallons per household. An average of 42% water was saved in these homes alone, and there was an 11% decrease in usage, overall.

Average Water Usage per Household



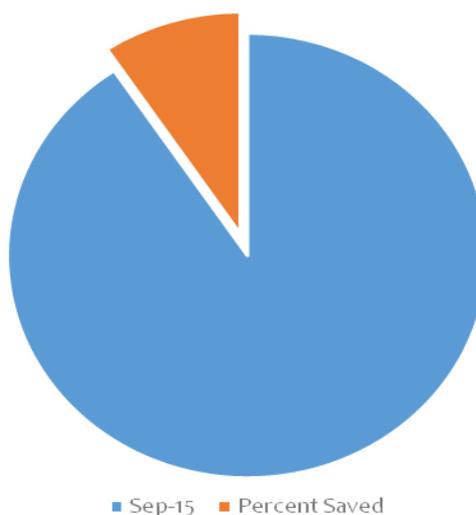
Overall Savings



Surface Water Pumped Comparison

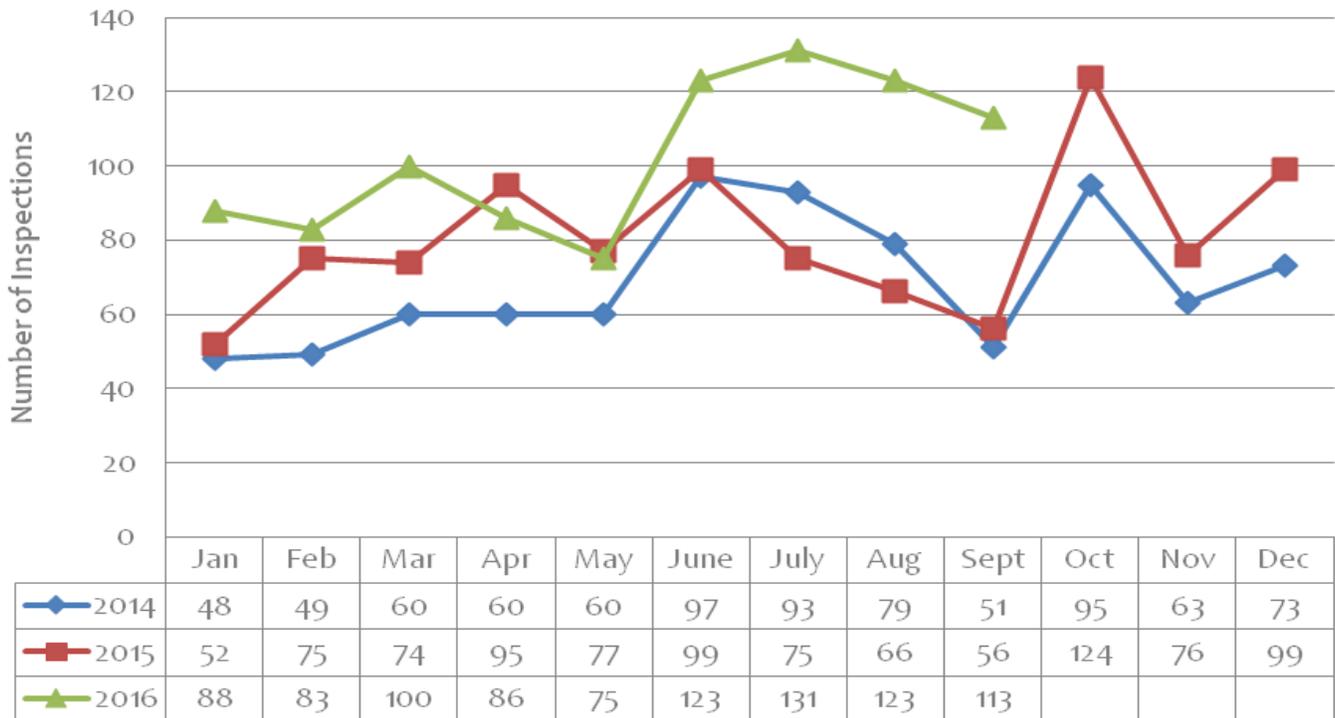
In September 2016, the surface water pumped was reduced by 10.3% compared to September 2015.

September 2016 Surface Water Reduction



Wastewater

Public Works Inspections



Public Works completed 113 inspections this month. Prior to Development Services issuing a Certificate of Occupancy, Public Works cameras the sewer service, inspects the right-of-way, the sidewalk, and Town maintained improvements.

Wastewater Update

- Staff continues to inspect manholes and wastewater mains throughout Town as requested by the EPA. This acts as preventative maintenance to insure lines are in acceptable condition and not in need of repair. Staff inspected wastewater lines in Windsong Ranch, Phase 4A; Windsong Ranch, Phase 3A-1; Frontier Estates; and Doe Creek this month.
- Staff cleaned and inspected a wastewater main at McKinley and First Street.
- The Wastewater Department continues to clean all the lift stations once a month to reduce pump failure and reduce backups.

Streets

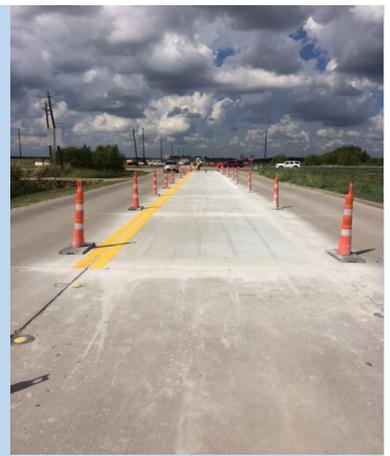
The Street Department continues to replace street signs in Town which are required to be hi-intensity to meet the new federal requirement for letter size and letter configuration.

The Adopt-A-Street Program has a total of 21 streets that are required to have quarterly clean-ups on twenty miles of roadway. There are no streets available for adoption, at this time.

Staff crack sealed Coit Road, south of Gentle Creek entrance to the entrance of Greenspoint.



Street Department painted the road after the repairs were made at Prosper Trail and Dallas Parkway.



Staff cut concrete, set forms, and set rebar at Dallas Parkway and First Street, in preparation for the south bound turn lane to be poured.