



City of Centennial
Public Works Department
Operations and Traffic Engineering
Monthly Report - October 2010

ACTIVITY

- [Call Center](#) – The total number of calls to 303.325.8000 and web requests received were 1,438.
- [Work Requests](#) – The total number of work requests received were 1,931.
- [Compliance Summary](#) – Field and Traffic Services work requests were completed in 96%-100% compliance, and the Call Center compliance metric was 90%.
- [Right-Of-Way Permits](#) – There were 46 permits issued in October.
- [Traffic Maintenance](#) – A total of 17 signs were installed and 18 were replaced for the month.
- [Pavement Maintenance](#) – Approximately 42 tons of asphalt pavement patching were completed for October.
- [Concrete Replacement](#) – The concrete replacement program 339 cubic yards have been completed to date.
- [Mowing, Debris, and Weed Control](#) –
- [Street Sweeping and Shoulder Maintenance](#)
- [Fuel Inventory](#) – Unleaded Fuel Usage and Diesel Fuel Usage - Public Works recently installed a new fuel system.
- [Snow Material Inventory](#)
- [City Material Budgets](#)

REVENUE

The October right-of-way permit revenue, excluding pavement restoration fees, was \$23,346.

PUBLIC WORKS MAJOR ACTIVITIES

Traffic Engineering Services (TES) is coordinating the cleaning and repainting of 21 traffic signal poles by WL Contractors. As part of the 2009 Signal Pole Nondestructive Testing program, 166 traffic signal poles within the City were identified as being in **“average condition or worse.”** Based on the results of this program, 6 of these poles were replaced in 2010. In addition, WL Contractors is currently removing rust from 21 poles and applying fresh paint to provide a barrier to the weather and snow/ice control materials. It appears no maintenance, such as painting, has ever been performed on our signal poles. The proposed 2011 budget includes \$75,000 for signal pole repairs, which will be used to continue the Signal Pole Maintenance program for the remaining 139 poles that were identified in the 2009 program.

TES finalized the City entry sign template and released the work order to fabricate 28 City of Centennial identification signs to replace the existing faded signs at the I-25 and C-470 interchanges. The new signs will include more “Centennial blue” and will also be 100% reflective. Fabrication is scheduled to be complete by the end of November and will then be delivered to CDOT for installation.

TES coordinated the installation of 90% of the LED signal modules for the EECBG LED Project. All incandescent bulbs are scheduled to be replaced with LED modules by early to mid-November.

TES is providing construction management services for the replacement of an existing traffic signal at Picadilly Street and Thunder Ridge Middle School. Sturgeon Electric will install caissons, signal poles, and the new traffic signal should be operational by early to mid-November. This signal replacement is being funded through a partnership with the Cherry Creek School District, as part of the new Instructional Support Facility at Picadilly Street and Riviera Way.

TES coordinated the installation of four school beacons with WL Contractors and Arapahoe County on Picadilly Street, adjacent to Thunder Ridge Middle School and Eaglecrest High School. Two beacons adjacent to Thunder Ridge Middle School will be in the City and two beacons adjacent to Eaglecrest High School will be in the County. The beacons are scheduled to be operational by mid-November, at the latest. These new school beacons are also being funded by the Cherry Creek School District, as part of the new Instructional Support Facility at Picadilly Street and Riviera Way.

TES developed the Dorado Avenue traffic mitigation plan for approval by Park Borough residents at a November 1st neighborhood meeting.

Identified missing sidewalk links on all arterial and collector streets and prepared a map to graphically display the missing links.

Processed the annual traffic count data and posted information to the City website.

The crews completed their yearly training for Snow and Ice Control for the winter season. The training provided education and information regarding procedures, as well as, plowing and sanding techniques. The drivers also drove their assigned routes to familiarize themselves with the area

The crews repainted 231 crosswalks at various locations throughout the City.

Field Services completed the final mowing pass through the City on October 21, 2010.

Public Works began receiving deliveries of the granular deicer materials. PW is expected to receive 1,000 tons of road salt for the winter season.

A LOOK AHEAD

- Complete the bid documents for the EECBG Solar School Beacons project.
- Activate the new school beacons at Thunder Ridge Middle School.
- Assist with an EECBG LED signal modules grant amendment to coordinate the purchase of additional LED countdown pedestrian modules.
- Coordinate the completion of the traffic signal replacement at Picadilly Street and Thunder Ridge Middle School.
- Prepare and release mail-in ballots for neighborhood approval of the Dorado Avenue traffic mitigation plan.
- Coordinate the replacement of two signal poles at Orchard Road and Joplin Way.
- Public Works has continued working on sign maintenance, which is a year-round activity.
- Crews continue to repair small asphalt failure areas and potholes throughout the City.
- Upgrade the CarteGraph application to the most recent version and implement Capital Improvement projects into the system.
- Public Works IT will continue to work with CarteGraph representatives regarding the mobility implementation, using handheld devices for the inspectors and crew members.

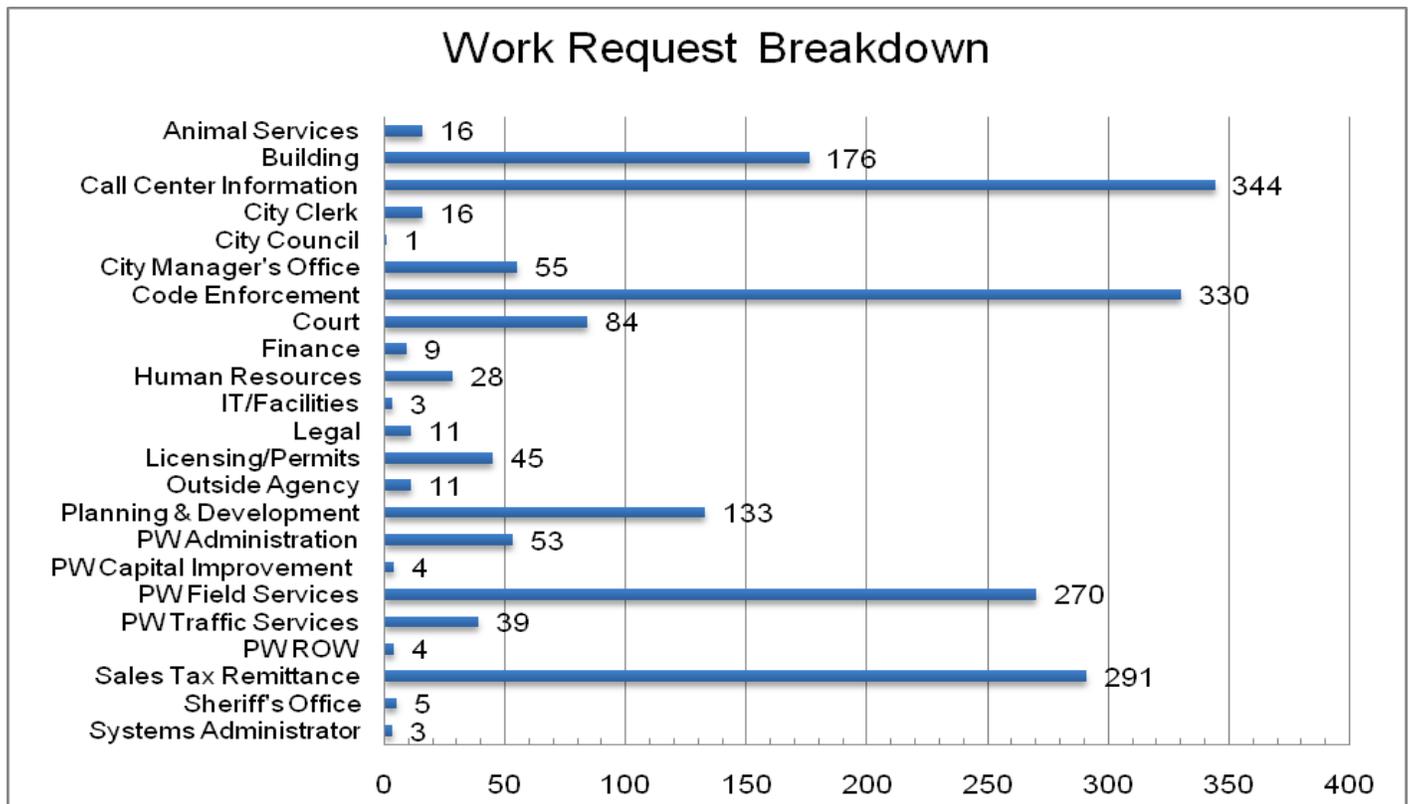
Call Center

In October, the number of phone calls received by the City's 24-Hour Call Center, 303.325.8000, was 1,438 which includes 56 web requests. A total of 10 calls were routed to the answering service during business hours and a total of 53 calls after business hours, due to the holiday. Overall, for the month of October, the Call Center had a 90% compliance metric of answering phone calls within 120 seconds.

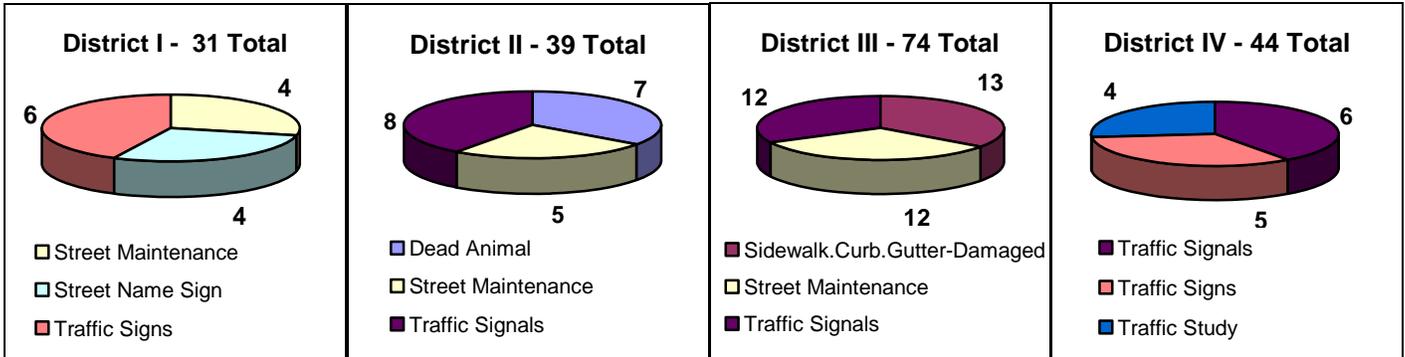
October 2010	Week 1	Week 2	Week 3	Week 4	MTD
	Oct 1-8	Oct 9-15	Oct 16-22	Oct 23-31	Total
Web Requests	22	9	7	18	56
Total Calls Handled by the Call Center	383	303	376	320	1,382
Total Metric for Call Center	405	312	383	338	1,438
Total Calls Rolled Over to Answering Service During Business Hours	0	2	0	8	10
Total Calls Rolled over to Answering Service After Hours	11	21	8	13	53

Work Request Breakdown

The work requests received by the City for the month of October were 1,931.



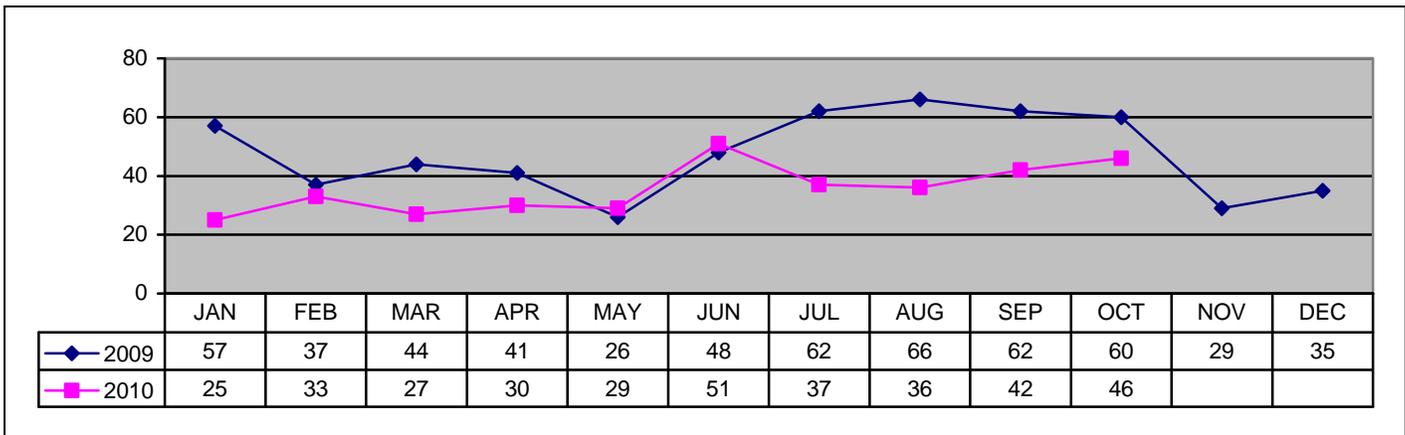
Work Request by District and Top Three Issues



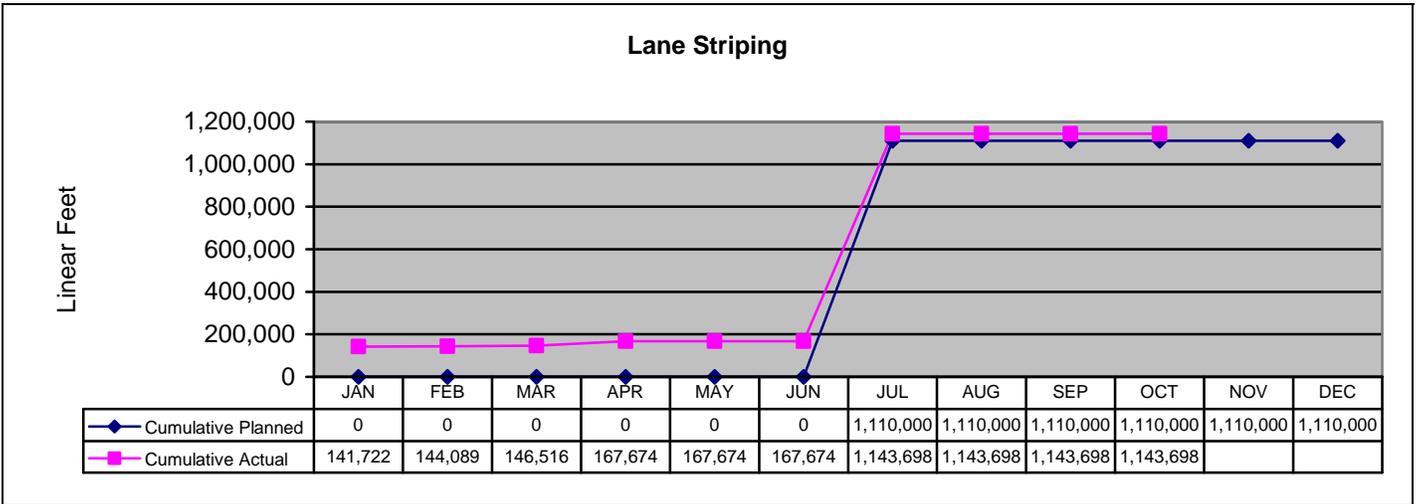
Compliance Summary

Field and Traffic Services					
Work Request by Priority	Received Total	Compliance Standard	Completed in Compliance	Compliance %	Average Days to Close
1 - Urgent (Completed within 24 Hours)	37	85%	37	100%	.08
2 - Important (Completed within 3 Business Days)	29	85%	28	96%	.60
3 - Standard (Completed within 10 Business Days)	21	85%	21	100%	3.61
4 - Preventative Maintenance (Scheduled Work)	120	N/A	N/A	N/A	N/A
Grand Total	208				
Call Center					
Calls Answered Within 2 Minutes	Total Calls/Web Requests Handled		Compliance Standard		Compliance %
	1,438		85%		90%

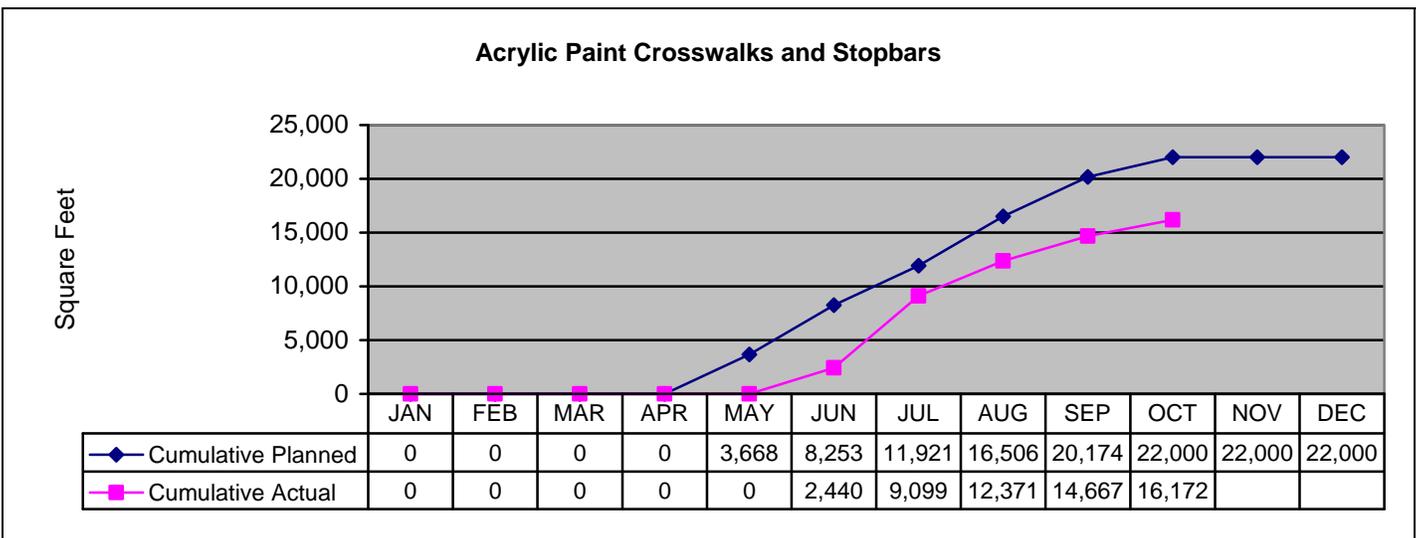
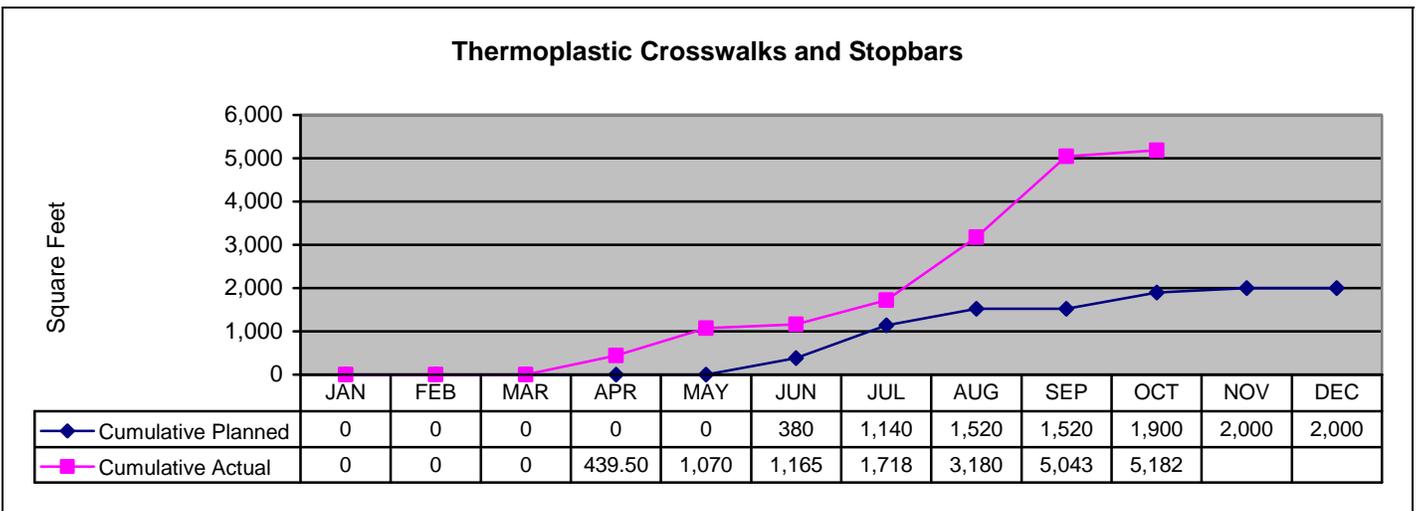
Annual Comparative Right-Of-Way Permits



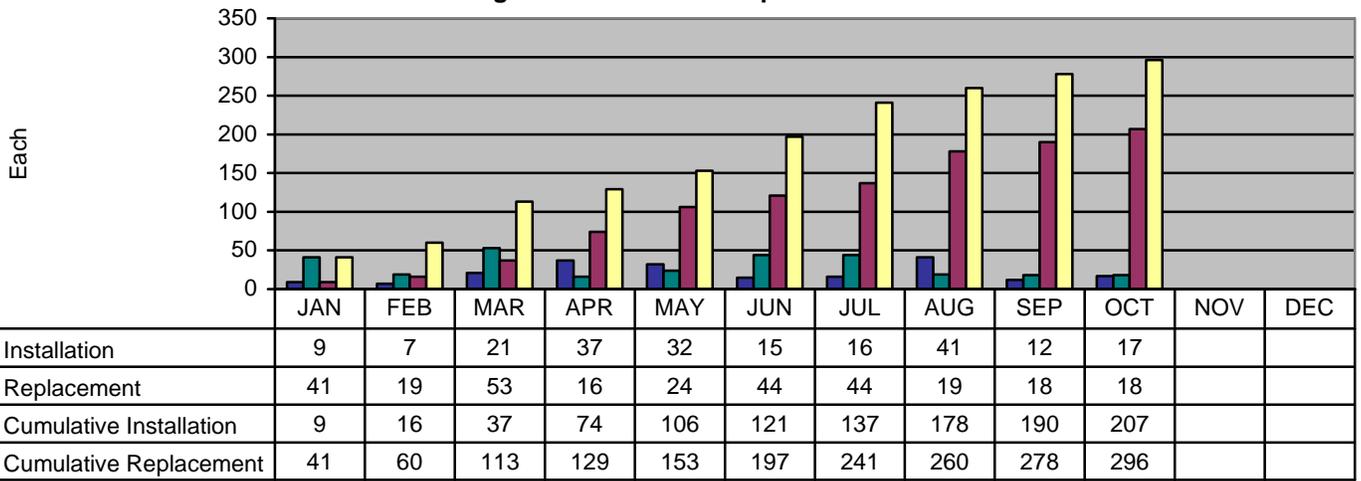
Traffic Maintenance



The January striping quantity was reduced to 141,722 feet after inspection and finding of premature degradation due to deicer.

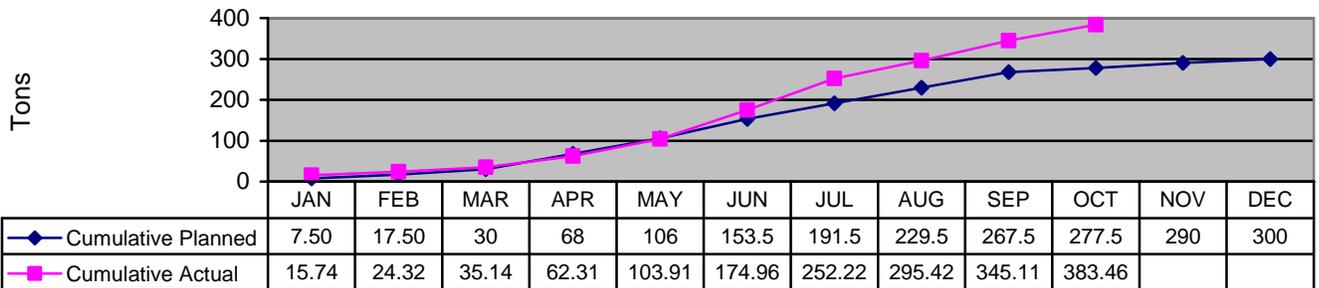


Sign Installation and Replacement

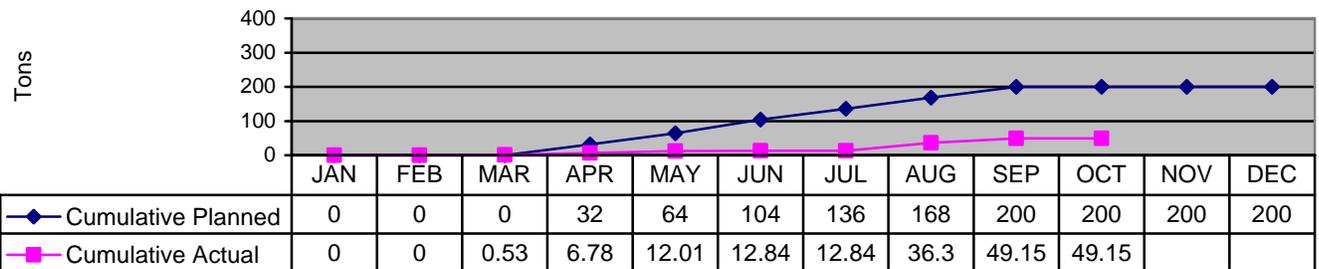


Pavement Maintenance

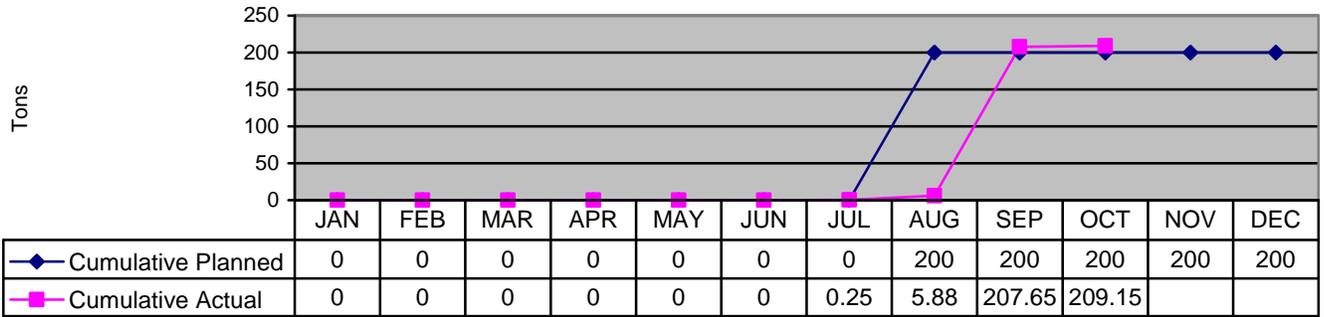
Pothole Patching



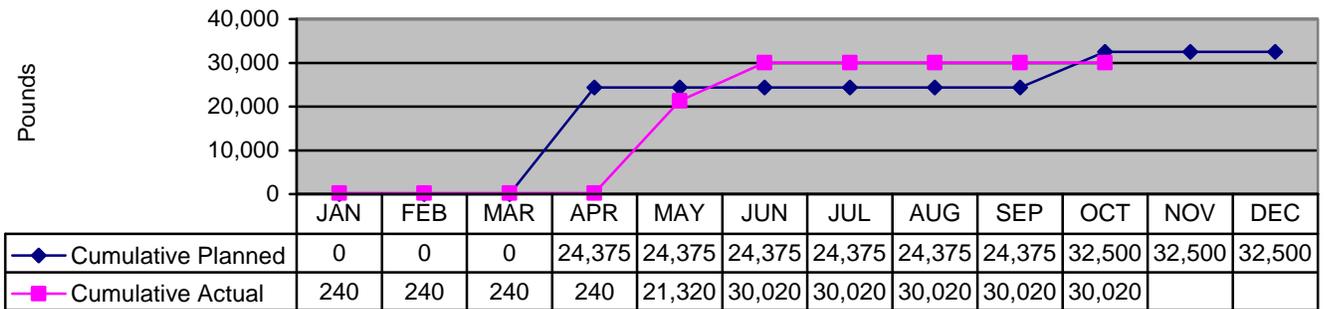
Patch Back



Major Patching

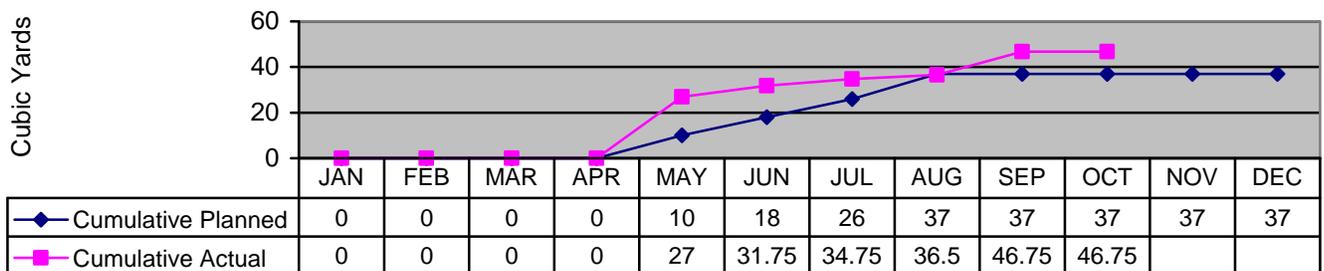


Crack Seal

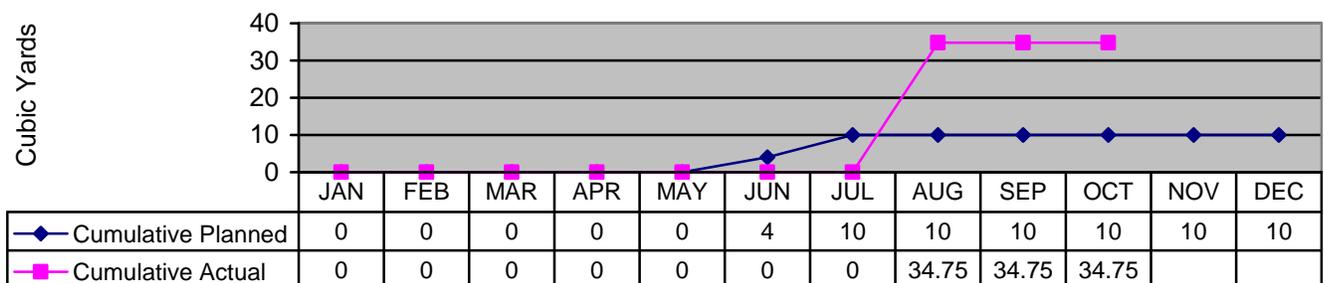


Concrete Replacement

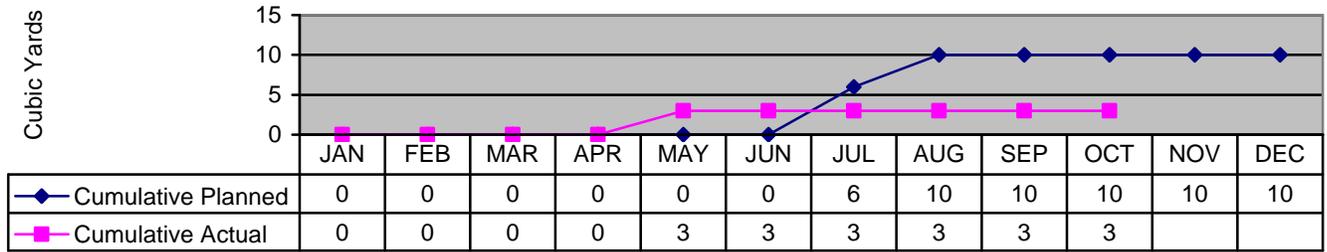
Sidewalk



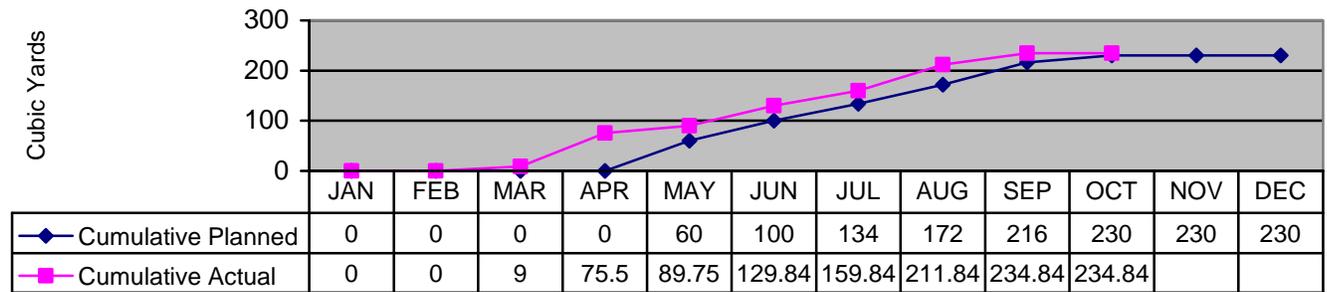
ADA Ramps



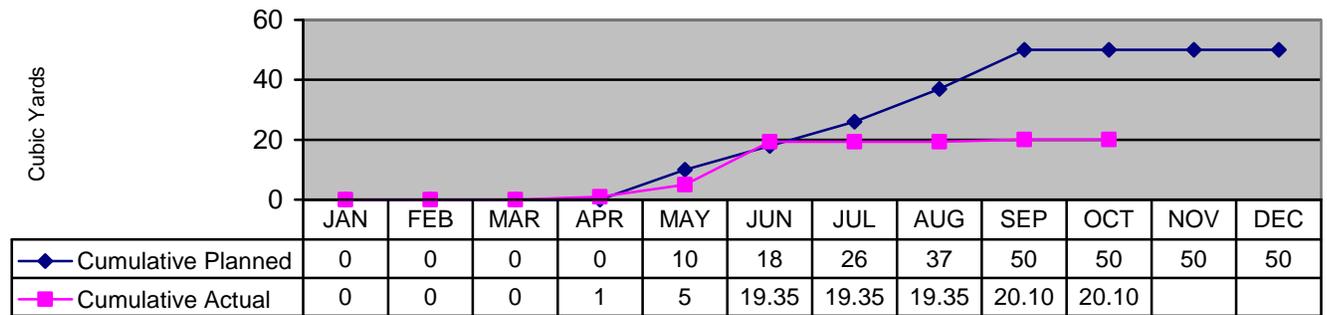
Crosspans and Aprons



Curb, Gutter and Sidewalk Combination

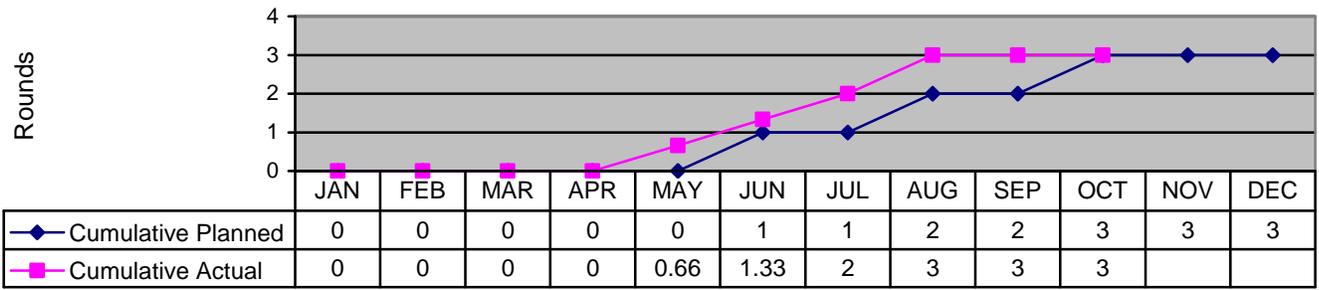


Curb and Gutter

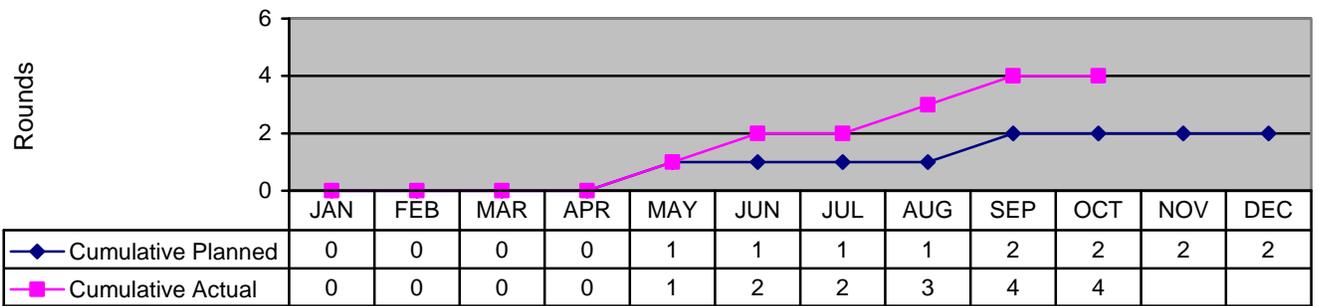


Mowing, Debris and Weed Control

Mowing and Debris Control

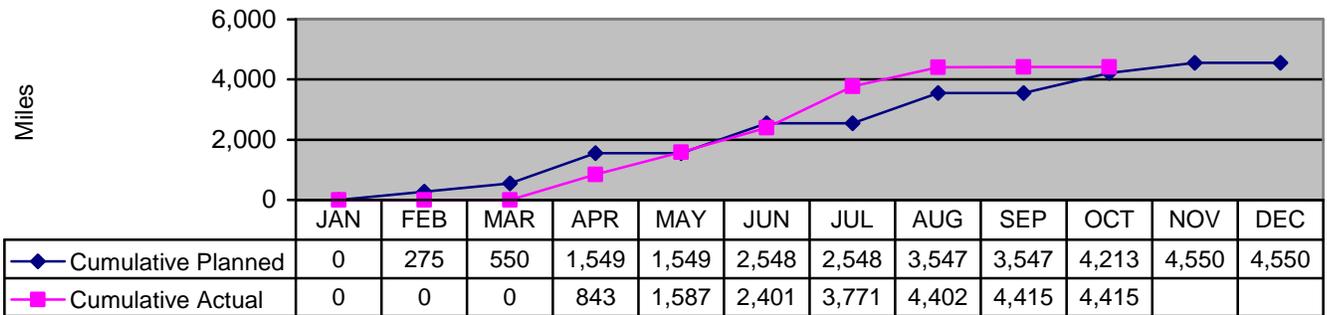


Weed Control - Spraying

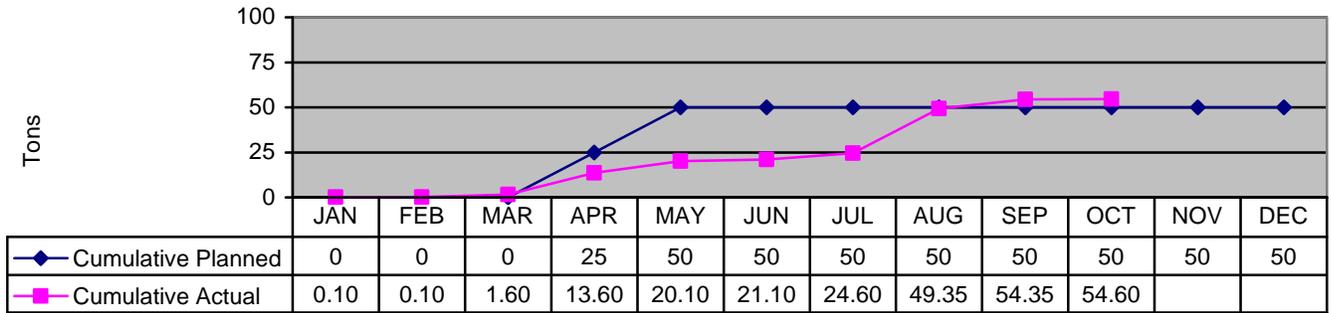


Street Sweeping and Gravel Maintenance

Street Sweeping



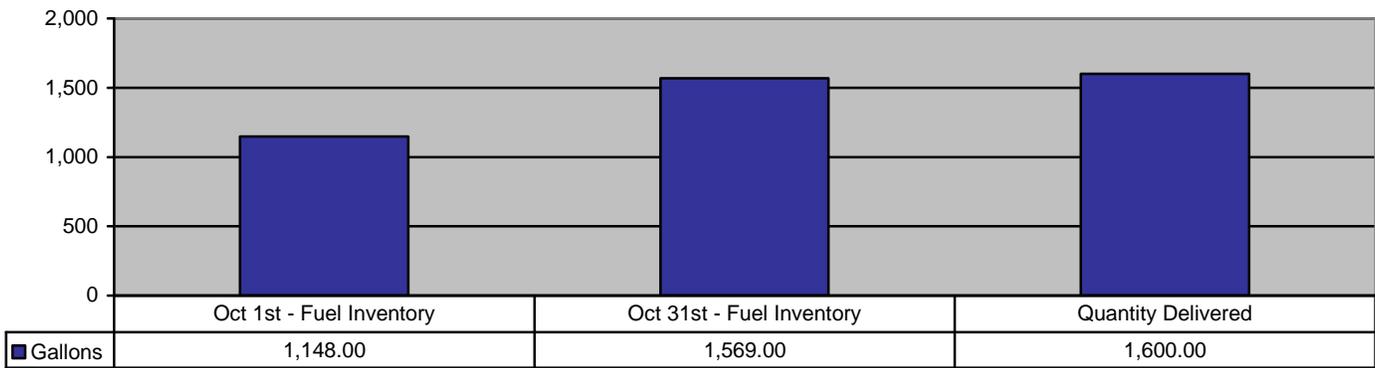
Gravel Maintenance



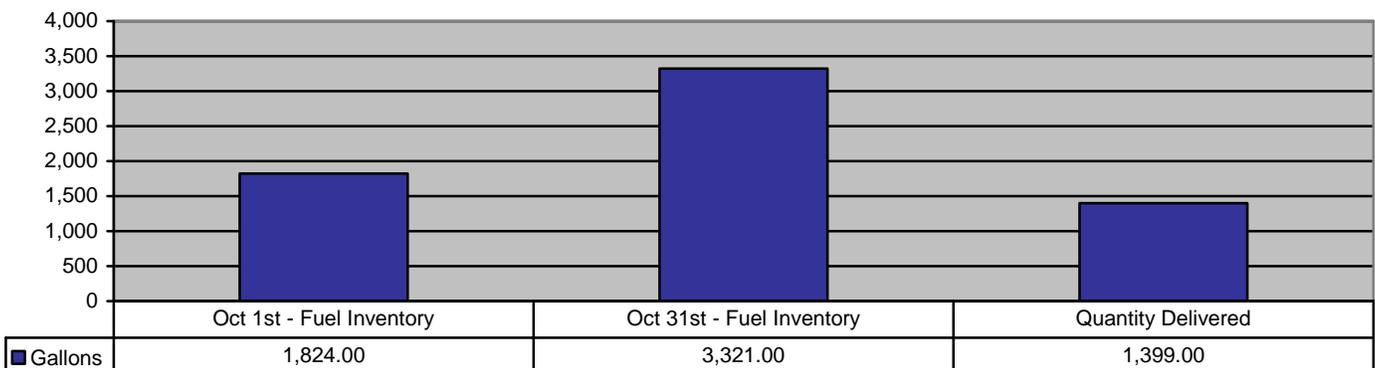
Fuel Inventory

Fuel volume will change approximately .5% for every 10 degrees Fahrenheit change in fuel temperature.

Unleaded Fuel



Diesel Fuel



Snow Material Inventory
Period 10/1/10 to 10/31/10

Material	Beginning Inventory	Delivered	Used	Ending Inventory	Ending Percentage of Capacity
Storage Building – 1,600 Ton Capacity					
Deicer	1,200	0	0	1,200	
<i>Total Building Storage</i>	1,200	0	0	1,200	75%
Outside Covered Storage Area, 1,000 Ton Capacity					
Anti Skid (Sand/Salt Mix)	310	0	0	310	
Deicer	0	509	0	509	
<i>Total Outside Storage</i>	310	509	0	819	82%
TOTAL STORAGE	1,510	509	0	2,019	78%

City Material Budgets

Invoice totals will be deducted from City budget amounts below, based on the invoice date, if the invoice has been received. If there is a discrepancy on an invoice, the amount will not be deducted until the correct invoice has been received.

An invoice was not recorded for ACS and Traffic Signal Maintenance. The balances have been corrected below.

	Budget	Previous Balance	Invoice Amount Received This Month	Remaining Balance
Animal Cremation Services	\$ 5,000.00	\$ 4,714.00	\$ -	\$ 4,714.00
Asphalt/Coldmix	\$ 41,700.00	\$ 12,405.57	\$ 1,925.76	\$ 10,479.81
Deceased Animal Pick-Up (Large Animals)	\$ 5,000.00	\$ 4,480.00	\$ 350.00	\$ 4,130.00
Fuel	\$ 137,000.00	\$ 68,945.07	\$ 9,490.23	\$ 59,454.84
Mosquito Control	\$ 37,960.60	\$ 9,243.94	\$ -	\$ 3,500.60
Snow Materials	\$ 287,500.00	\$ 102,831.82	\$ -	\$ 102,831.82
Traffic Signal Maintenance	\$ 165,375.00	\$ 53,327.66	\$ 22,302.73	\$ 31,024.93

*The Budget amount for Animal Cremation Services has been reduced to \$5,000 due to \$2,000 of the budget belongs to Animal Services.