



City of Centennial
Public Works Department
Operations and Traffic Engineering
Monthly Report - May 2011

ACTIVITY

- [Call Center](#) – The total number of calls to 303.325.8000 and web requests received were 1,367.
- [Work Requests](#) – The total number of work requests received were 1,928.
- [Compliance Summary](#) – Field and Traffic Services work requests were completed between 95%-100% compliance and the Call Center compliance metric was 91%.
- [Right-Of-Way Permits](#) – There were 42 permits issued in May.
- [Traffic Maintenance](#) – A total of 14 signs were installed and 11 were replaced for the month.
- [Pavement Maintenance](#) – May pothole patching required 30 tons of asphalt.
- [Concrete Replacement](#) – 73 cubic yards of concrete was placed for the month of May.
- [Mowing, Debris, and Weed Control](#) – A second round is scheduled to begin in June.
- [Street Sweeping and Shoulder Maintenance](#) – The second rotation is scheduled to begin in June.
- [2011 Performance Measures](#)
- [Fuel Inventory](#) – Unleaded Fuel Usage and Diesel Fuel Usage
- [Vehicle Use and Efficiency](#) – Calculation of fuel used by vehicle number.
- [Snow Material Inventory](#)
- [City Budgets](#)

REVENUE

The May right-of-way permit revenue, excluding pavement restoration fees, was \$34,196.

PUBLIC WORKS MAJOR ACTIVITIES

Initiated sign data collection in segments 2077-15, -22 and -27 on the northwest corner of District 1.

Developed the 2011 Neighborhood Traffic Management Program (NTMP) based on the 2011 NTMP Prioritization.

Developed the 2011 Signal Pole Maintenance scope of work.

Coordinated the signal pole installation by Verizon Wireless at Dry Creek Road /Holly Street.

Coordinated the installation of intersection improvements at Havana and Peakview, which converted a through lane to a right turn lane.

Coordinated the installation of intersection improvements at Arapahoe Road/Euclid; a new pedestrian signal phase and marked crossing.

Coordinated the installation of intersection improvements at Arapahoe Road/Heritage; extended eastbound and westbound left turn lanes.

Prepared “traffic” decision packages for the 2012 budget discussion.

The crack seal crews have completed the spring season of the crack seal program. They have placed over 20,000 pounds of crack seal material.

The crews completed the first rotation of sweeping.

A LOOK AHEAD

- Continue sign data collection in segments 2077-15, -22 and -27 on the northwest corner of District 1.
- Kickoff the 2011 NTMP by initiating contact with the Southwood neighborhood and setting up the first neighborhood meeting.
- Prepare the bid document for the 2011 Signal Pole Maintenance.
- Coordinate the signal pole installation by Verizon Wireless at Dry Creek Road/Holly Street and Dry Creek Road/Colorado Boulevard.
- Coordinate the signal pole installation at County Line Road/Chester location.
- Prepare the 2010 Crash Analysis Report.
- Coordinate the installation of solar school beacons for the Energy Efficiency and Conservation Block Grant project.
- The 2011 pavement striping program is scheduled to begin in June.
- The second rotation of sweeping will begin in June.
- A second rotation of mowing is also scheduled to begin the first week of June.

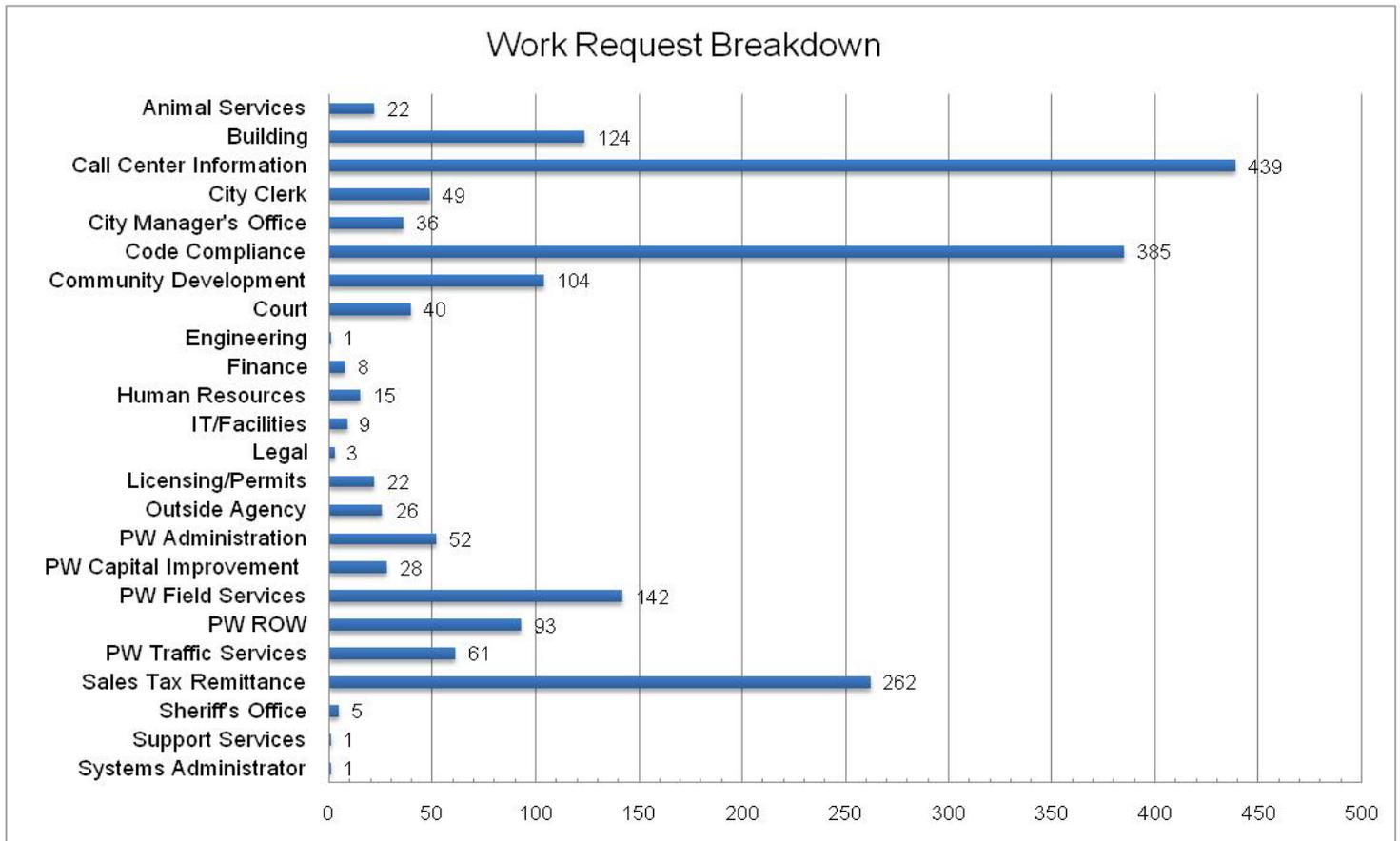
Call Center

In May, the number of phone calls received by the City's 24-Hour Call Center, 303.325.8000, was 1,367 which includes 41 web requests. Only 37 calls were routed to the answering service during business hours, and a total of 33 calls after business hours. Overall, for the month of May, the Call Center had a 91% compliance metric of answering phone calls within 120 seconds.

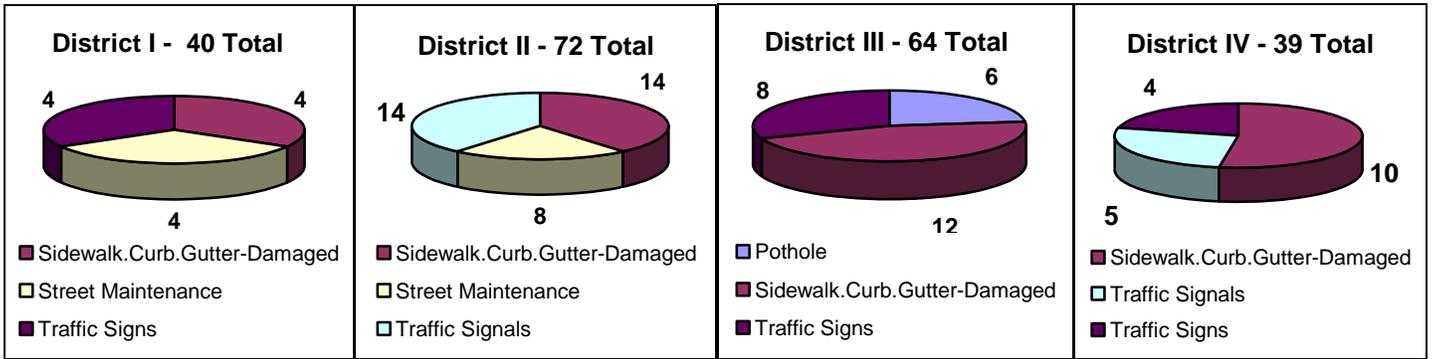
May 2011	Week 1	Week 2	Week 3	Week 4	Week 5	MTD
	May 1-6	May 7-13	May 14-20	May 21-27	May 28-31	Total
Web Requests	7	2	9	11	8	41
Total Calls Handled by the Call Center	339	311	343	262	71	1,326
Total Metric for Call Center	350	313	352	273	79	1,367
Total Calls Rolled Over to Answering Service During Business Hours	6	5	11	6	9	37
Total Calls Rolled over to Answering Service After Hours	14	6	6	5	2	33

Work Request Breakdown

The work requests received by the City for the month of May were 1,928.



Work Request by District and Top Three Issues

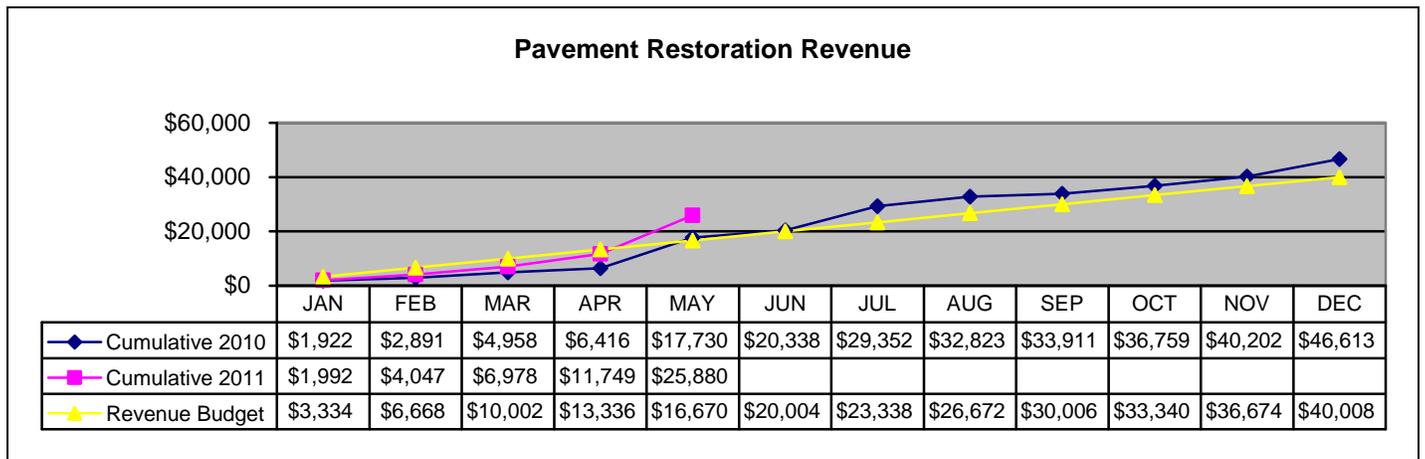
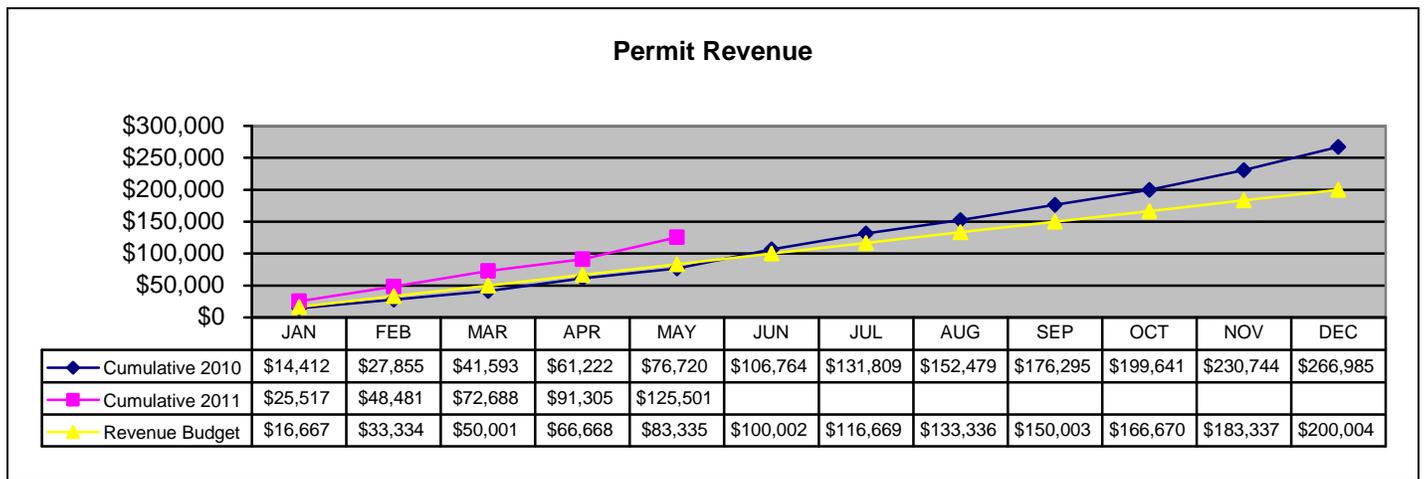
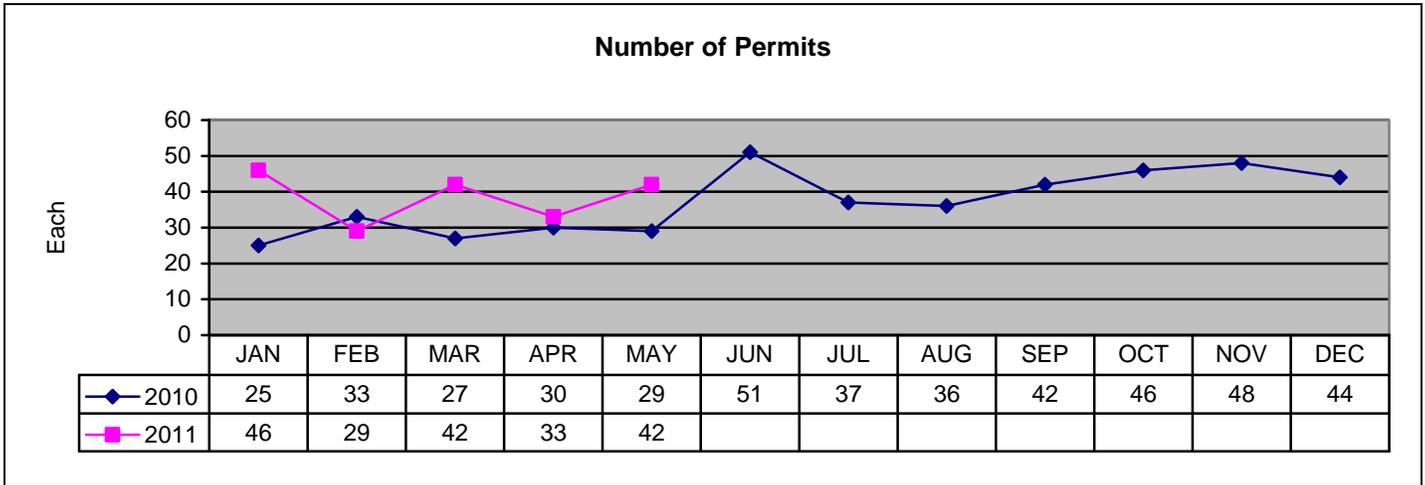


Compliance Summary

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)	25	85%	25	100%	.27
2 - Important (Completed within 3 Business Days)	39	85%	39	100%	1.10
3 - Standard (Completed within 10 Business Days)	22	85%	21	95%	8.12
4 - Preventative Maintenance (Scheduled Work)	210	N/A	N/A	N/A	N/A
Grand Total	297				
Call Center					
Calls Answered Within 2 Minutes	Total Calls/Web Requests Handled		Compliance Standard	Compliance %	
	1,367		85%	91%	

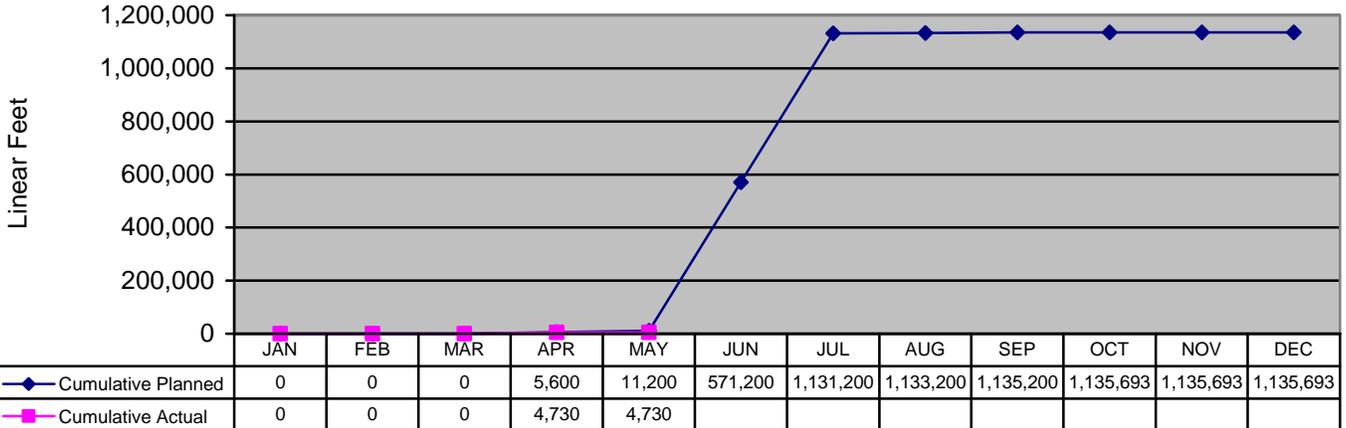
All monthly quantities have been reconciled for this report.

Annual Comparative Right-Of-Way Permits

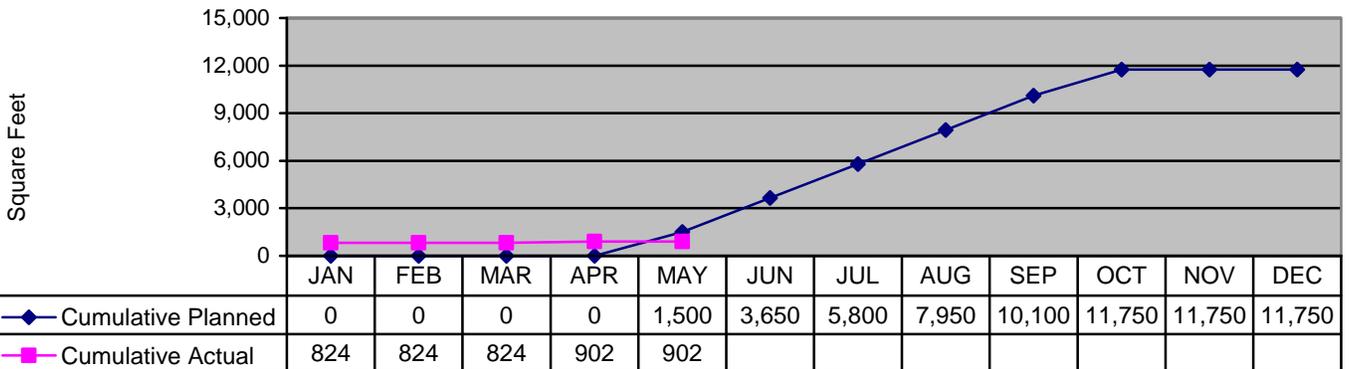


Traffic Maintenance

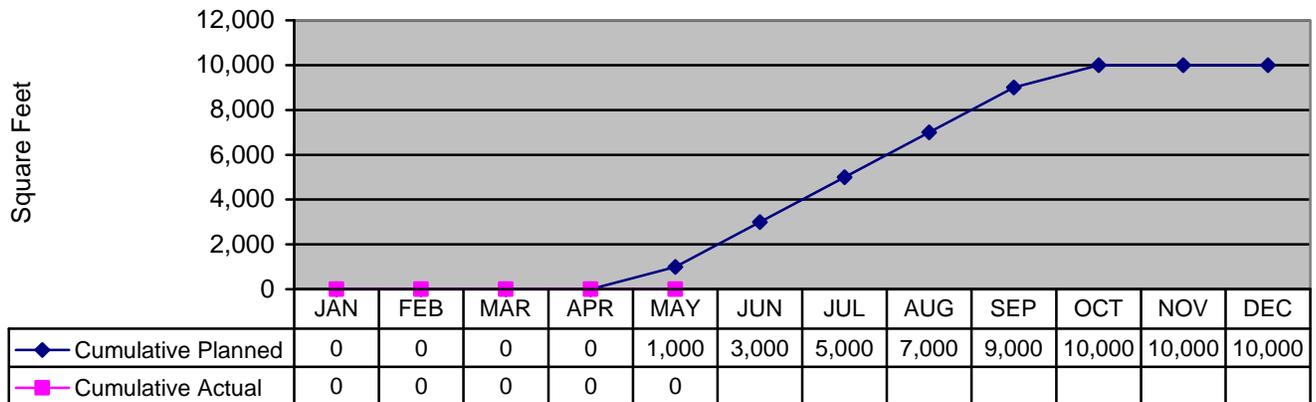
Lane Striping



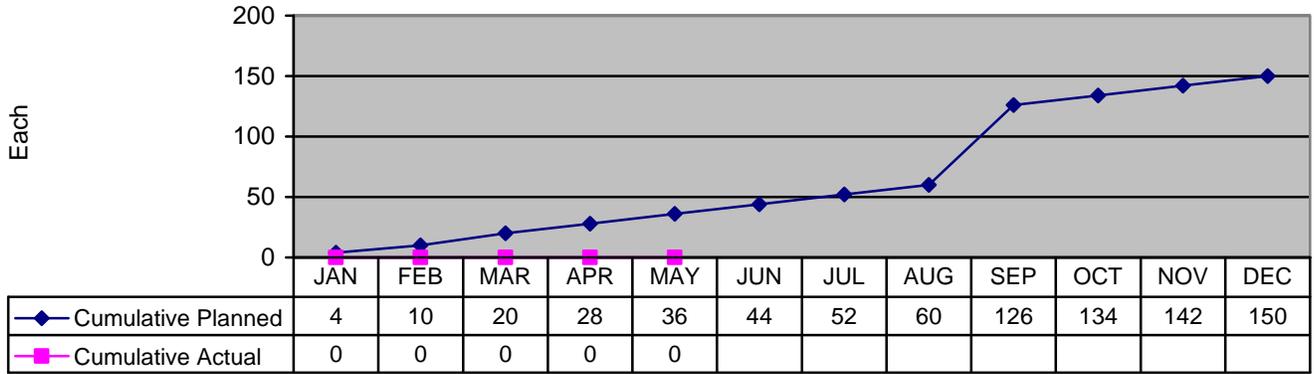
Thermoplastic Crosswalks and Stopbars



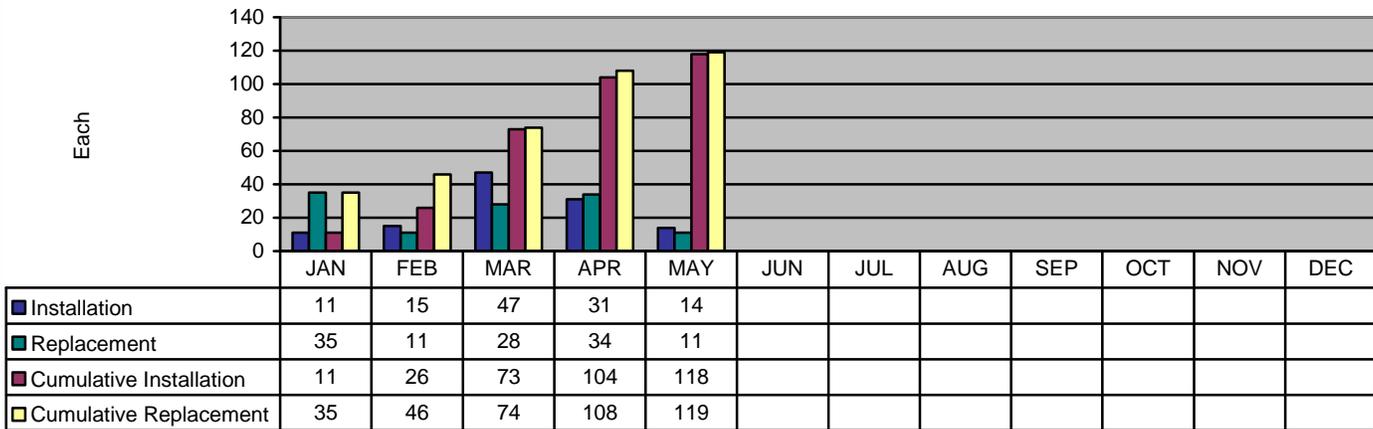
Acrylic Paint Crosswalks and Stopbars



Traffic Counts

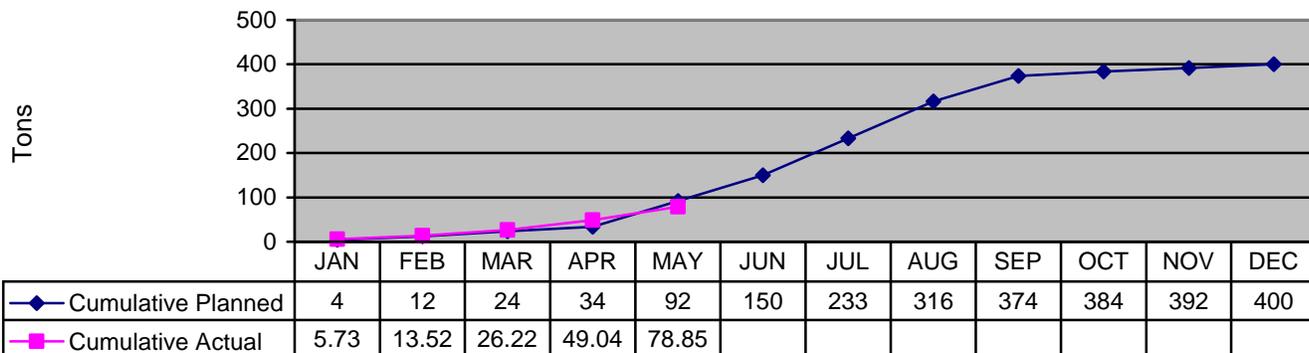


Sign Installation and Replacement

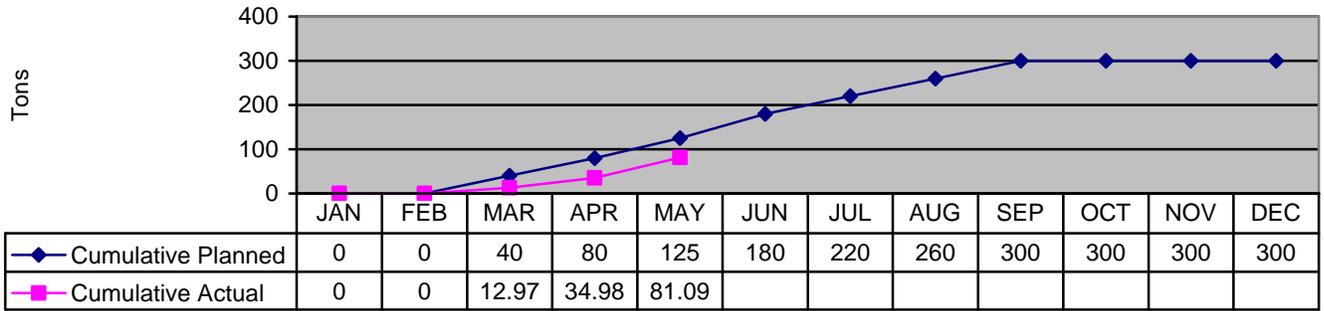


Pavement Maintenance

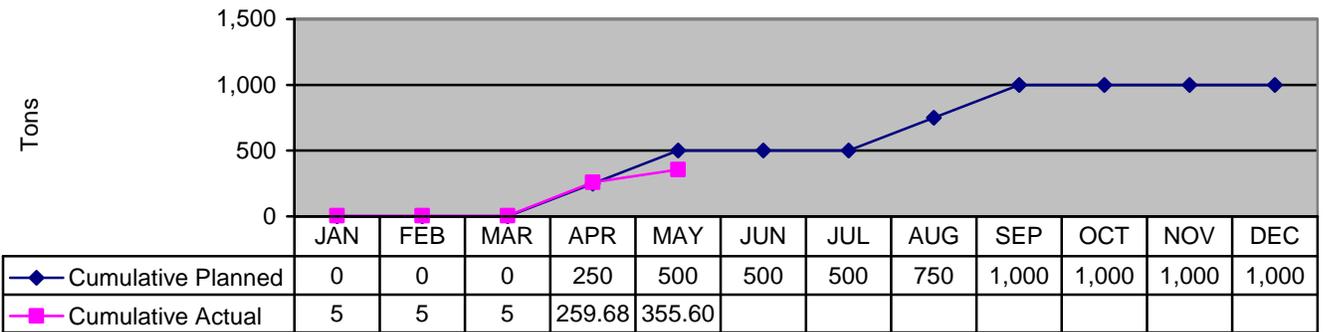
Pothole Patching



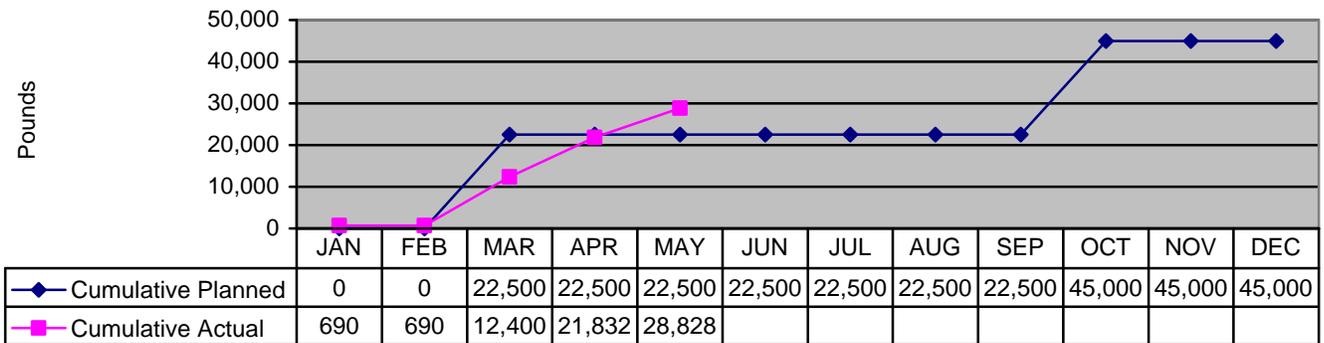
Patch Back



Major Patching

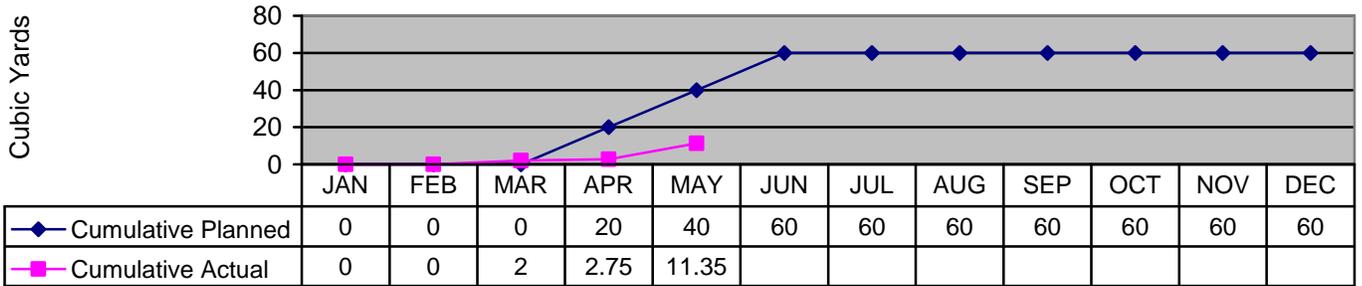


Crack Seal

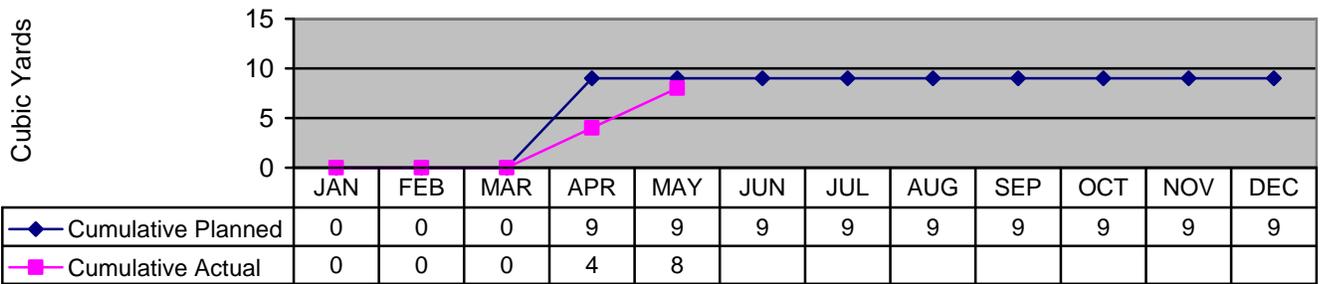


Concrete Replacement

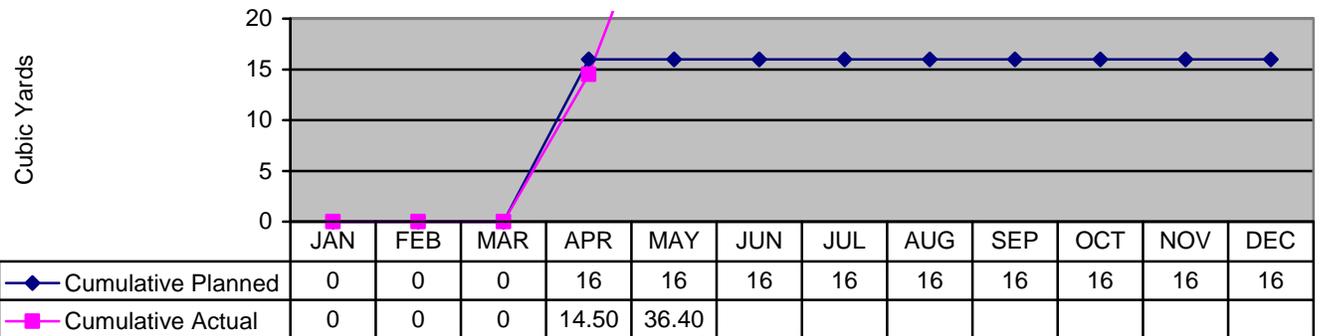
Sidewalk



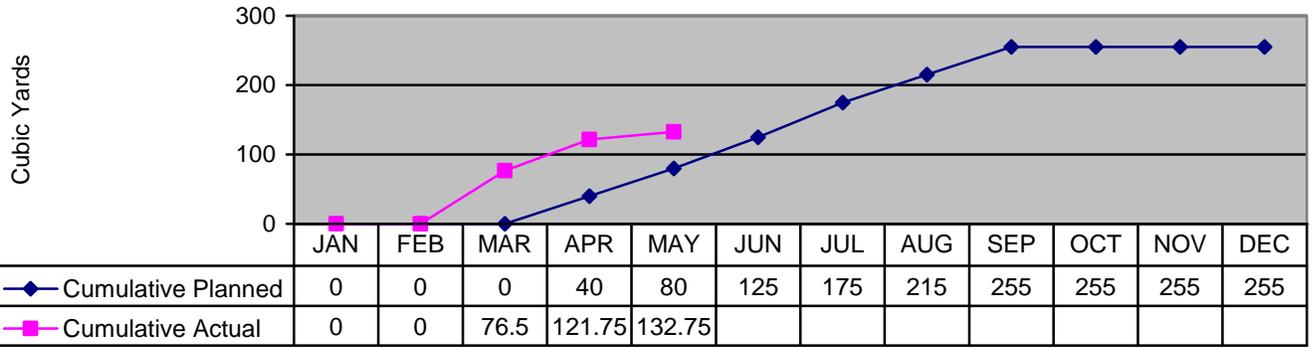
ADA Ramps



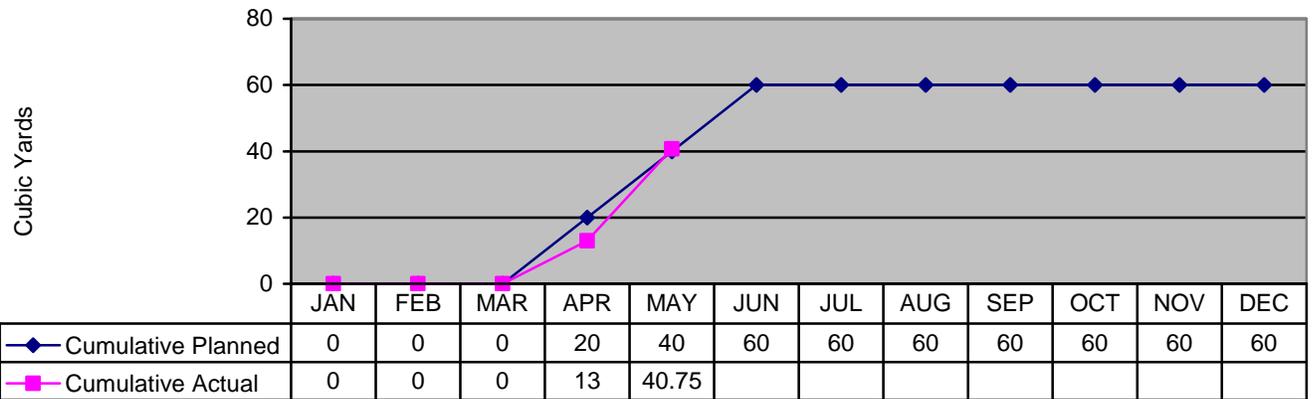
Crosspans and Aprons



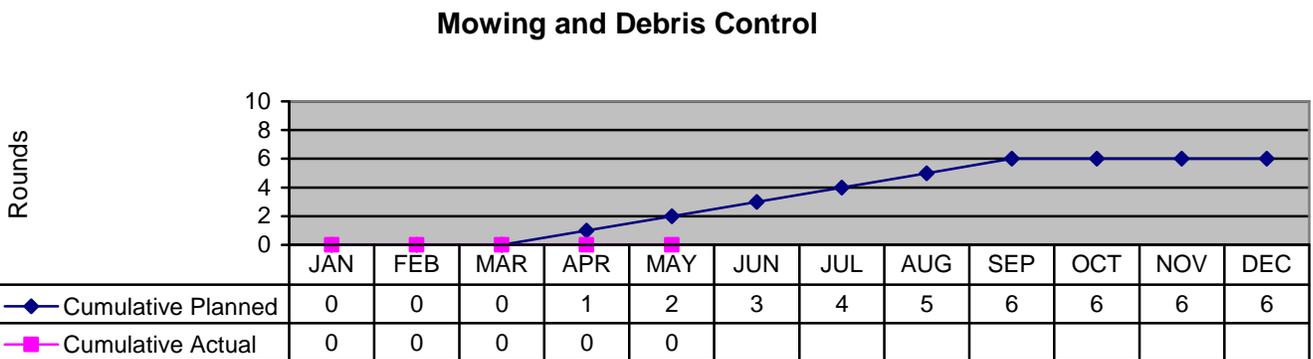
Curb, Gutter and Sidewalk Combination



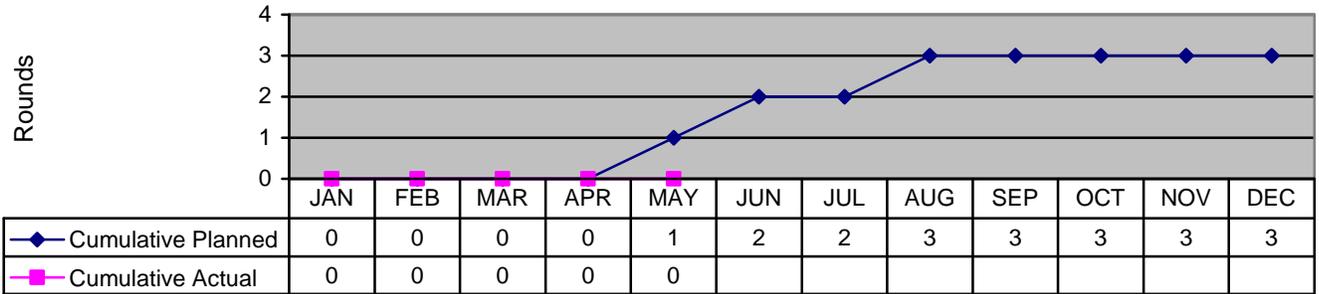
Curb and Gutter



Mowing, Debris and Weed Control

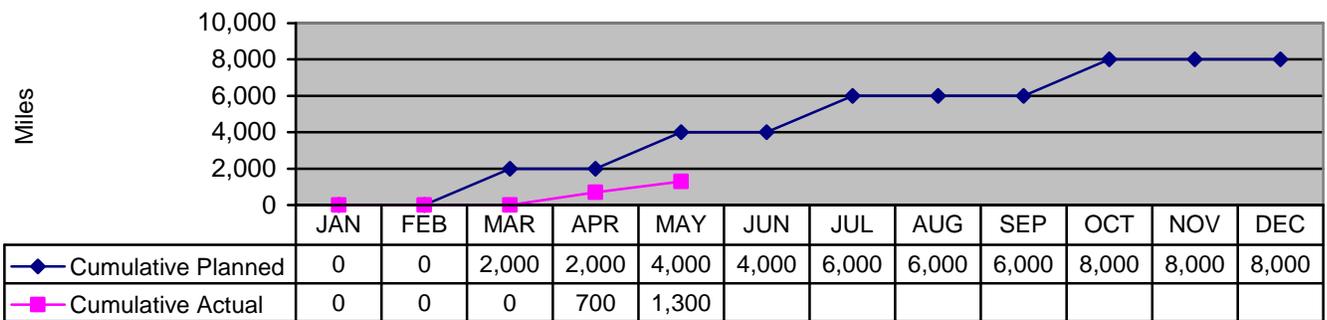


Weed Control - Spraying

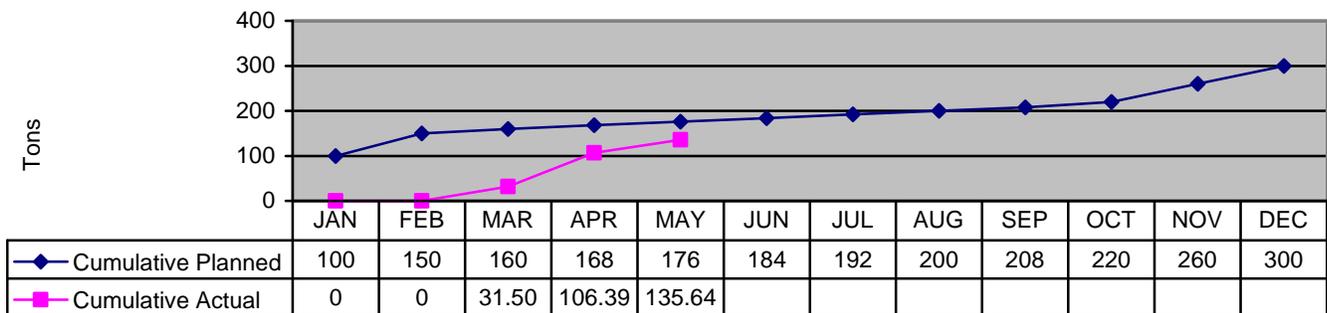


Street Sweeping and Gravel Maintenance

Street Sweeping

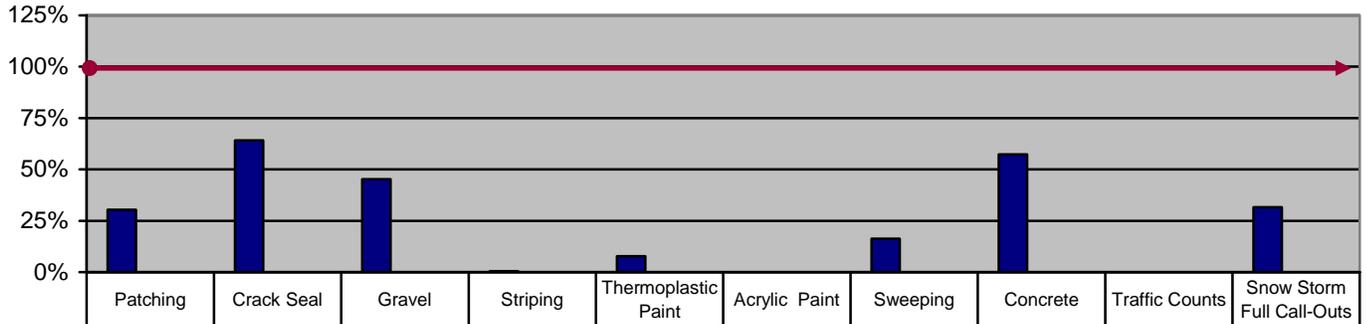


Gravel Maintenance



2011 Performance Measures

Percentage of Metric



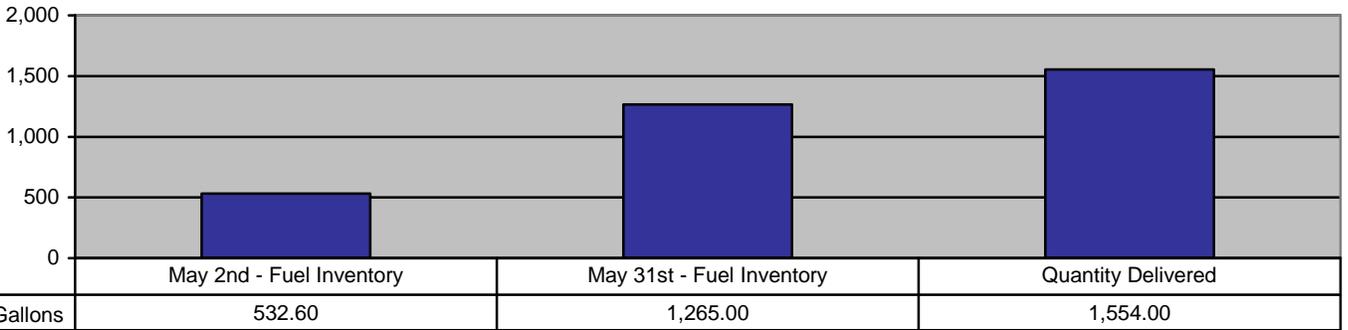
■ Percentage	30.33%	64.06%	45.21%	0.42%	7.68%	0.00%	16.25%	57.31%	0.00%	31.67%
■ 2011 Metric	1,700 T	45,000 LB	300 T	1,135,693 LF	11,750 LF	10,000 LF	8,000 MI	400 CY	150 EA	60 EA
■ Year to Date	515.54 T	28,828 LB	135.64 T	4,730 LF	902 LF	0	1,300 MI	229.25 CY	0	19 EA

Tons = T Pounds = LB Linear Feet = LF Square Feet = SF Miles = MI Cubic Yards = CY Each - EA

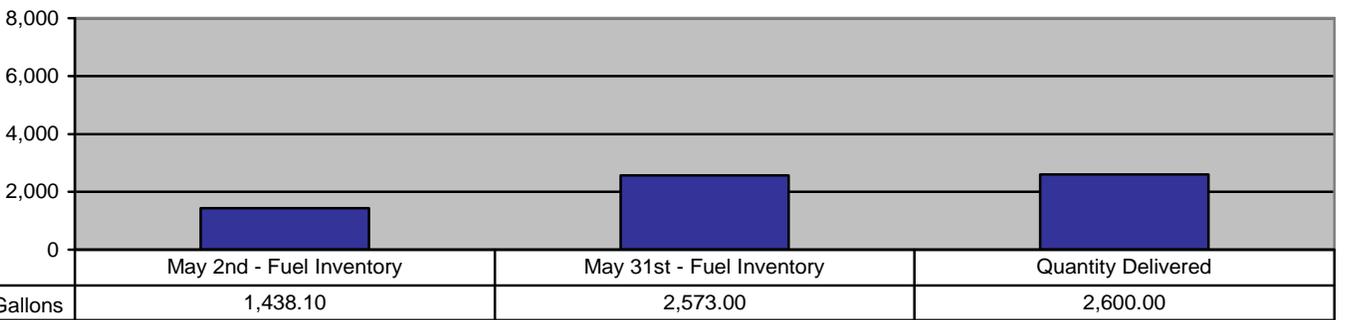
Fuel Inventory

Fuel volume will change approximately .5% for every 10 degrees Fahrenheit change in fuel temperature. Fuel dips are completed on Monday mornings. A fuel delivery was received the first week of May.

Unleaded Fuel



Diesel Fuel



**Vehicle Use and Efficiency
Period 5/1/11 to 5/31/11**

Vehicle #	Fuel Type	Description	MPG	Miles
0046	DIESEL	Street Sweeper	6.00	701
2063	DIESEL	1983 IHC 5 yd dump	2.10	73
3347	DIESEL	1998 IHC T/A dump	3.70	478
7792	DIESEL	1998 IHC T/A dump	4.60	298
7800	DIESEL	1998 IHC T/A dump	5.50	353
7802	DIESEL	1998 IHC T/A dump	2.60	109
7850	DIESEL	1997 IHC T/A dump	5.80	591
7919	DIESEL	2000 IHC T/A dump	4.50	244
7920	DIESEL	2000 IHC T/A dump	4.00	501
8847	DIESEL	Navigator Patch Truck	4.40	721
DIESEL Total				4,069
1597	UNLEADED	1997 ford F-250 4wd	13.10	985
2161	UNLEADED	1999 Ford F-250 4wd Super cab	4.50	483
2165	UNLEADED	1999 Ford F-250 4wd Super cab	10.60	617
2189	UNLEADED	1999 Ford F-350 2wd dump body	6.00	172
2396	UNLEADED	2000 Ford F-350 2wd	10.10	1,017
2693	UNLEADED	2001 Ford F-250 4wd	10.10	488
3388	UNLEADED	2002 Ford Ranger 4wd ext cab	17.80	1,530
3396	UNLEADED	2002 Ford F-250 4wd	8.90	280
5993	UNLEADED	Ford F-150	12.30	132
5994	UNLEADED	Ford F-150	14.30	1,534
5995	UNLEADED	Ford F-150	11.20	370
5996	UNLEADED	Ford F-150	14.30	551
9032	UNLEADED	Ford F-150	17.00	1,433
898	UNLEADED	Chevy Equinox	14.80	272
UNLEADED Total				9,864
Grand Total				13,933

Snow Material Inventory Period 5/1/11 to 5/31/11

	Beginning Inventory	Delivered	Used	Ending Inventory
Liquid Material				
APEX (MgCl)	1,967.00	0.00	0.00	1,967.00
Solid Material				
Deicer (Salt & Ice Slicer)	1,898.91	0.00	0.00	1,898.91
Anti Skid (Sand/Salt Mix)	309.00	0.00	0.00	309.00
Total	2,207.91	0.00	0.00	2,207.91

City 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.

	2011 Budget	2011 Contract/PO Amount	Previous Balance	Invoice Amount Received	Remaining Balance
Animal Cremation Disposal (Pet Cremation Services)	\$ 4,000.00	\$ 3,000.00	\$ 2,870.00	\$ -	\$ 2,870.00
Asphalt/Coldmix Material	\$ 90,000.00	\$ 90,000.00	\$ 82,445.80	\$ (14,248.75)	\$ 68,197.05
Large Deceased Animal Pick-Up (Animal & Pest Control)	\$ 3,000.00	\$ 3,000.00	\$ 2,300.00	\$ -	\$ 2,300.00
Fuel	\$ 137,000.00	\$ 137,000.00	\$ 83,497.41	\$ (15,470.20)	\$ 68,027.21
Mosquito Control	\$ 34,460.00	\$ 34,460.00	\$ 28,716.67	\$ (5,743.33)	\$ 22,973.34
Snow Removal Materials	\$ 311,000.00	\$ 311,000.00	\$ 105,800.16	\$ -	\$ 105,800.16
Signal (Pole) Maintenance	\$ 75,000.00	\$ 75,000.00	\$ 75,000.00	\$ -	\$ 75,000.00
Signal Additions/Repairs	\$ 174,590.00	\$ 174,590.00	\$ 132,325.74	\$ -	\$ 132,325.74