



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

## ACTIVITY

- [Call Center](#) – The total number of calls to 303.325.8000 and web requests received were 1,518.
- [Work Requests](#) – The total number of work requests received were 1,848.
- [Compliance Summary](#) – Field and Traffic Services work requests were completed between 76%-91% compliance and the Call Center compliance metric was 93%.
- [Right-Of-Way Permits](#) – There were 33 permits issued in April.
- [Traffic Maintenance](#) – A total of 21 signs were installed and 32 were replaced for the month.
- [Pavement Maintenance](#) – April pothole patching required 294 tons of asphalt.
- [Concrete Replacement](#) – 152 cubic yards of concrete was placed for the month of April.
- [Mowing, Debris, and Weed Control](#) – Maintenance will begin in May.
- [Street Sweeping and Shoulder Maintenance](#) – The first street sweeping pass began in April and approximately half of the City was completed.
- [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 April right-of-way permit revenue, excluding pavement restoration fees, was \$18,116.

## PUBLIC WORKS MAJOR ACTIVITIES

Phase 1 of the 2011 Annual Striping Plan was released to Field Services, which includes all of the arterial streets and some major collector streets identified in Tier 1 of the striping plan.

Phase 1 of the 2011 Annual Thermoplastic Plan which includes crosswalks and stop bars, was also released to Field Services, which includes crosswalks at 26 signalized intersections.

A new Traffic webpage was posted describing the procedures used for setting regulatory speed limits.

The 2011 Signal Warrants Study was completed and provided to City staff for review and approval.

The 2011 Neighborhood Traffic Management Program (NTMP) prioritization was completed for review and approval by City staff.

Pole-painting specification for the 2011 Signal Pole Maintenance was prepared for review and approval by City staff.

Equipment submittals for the Energy Efficiency and Conservation Block Grant (EECBG) Solar School Beacons project were approved.

Coordinated the installation of the radar speed signs and bike lane striping for the Dorado Avenue traffic mitigation plan.

Public Works Crews continue their efforts for crack seal activities. By the end of April, the crews placed 20,600 pounds of crack seal material.

## A LOOK AHEAD

- As part of the annual sign inspection program, collect sign data in segments 2077-15, -22 and -27 which are located on the northwest corner of District 1.
- Develop and initiate the 2011 NTMP program based on the 2011 NTMP Prioritization.
- Develop the 2011 Signal Pole Maintenance scope and prepare bid document to paint poles.
- Coordinate signal pole installation by Verizon Wireless at Dry Creek and Holly.
- Coordinate the installation of intersection improvements at Havana and Peakview - convert a through lane to a right turn lane.
- Coordinate installation of intersection improvements at Arapahoe Road and Euclid – new pedestrian signal phase and marked crossing.
- Coordinate installation of intersection improvements at Arapahoe Road and Heritage - extended eastbound and westbound left turn lanes.
- Prepare “traffic” decision packages for 2012 budget discussion.
- Maintenance crews will begin mowing and trimming operations on the western area of the City.
- The sweepers are scheduled to complete sweeping on the west side of the City at the end of the second week of May.

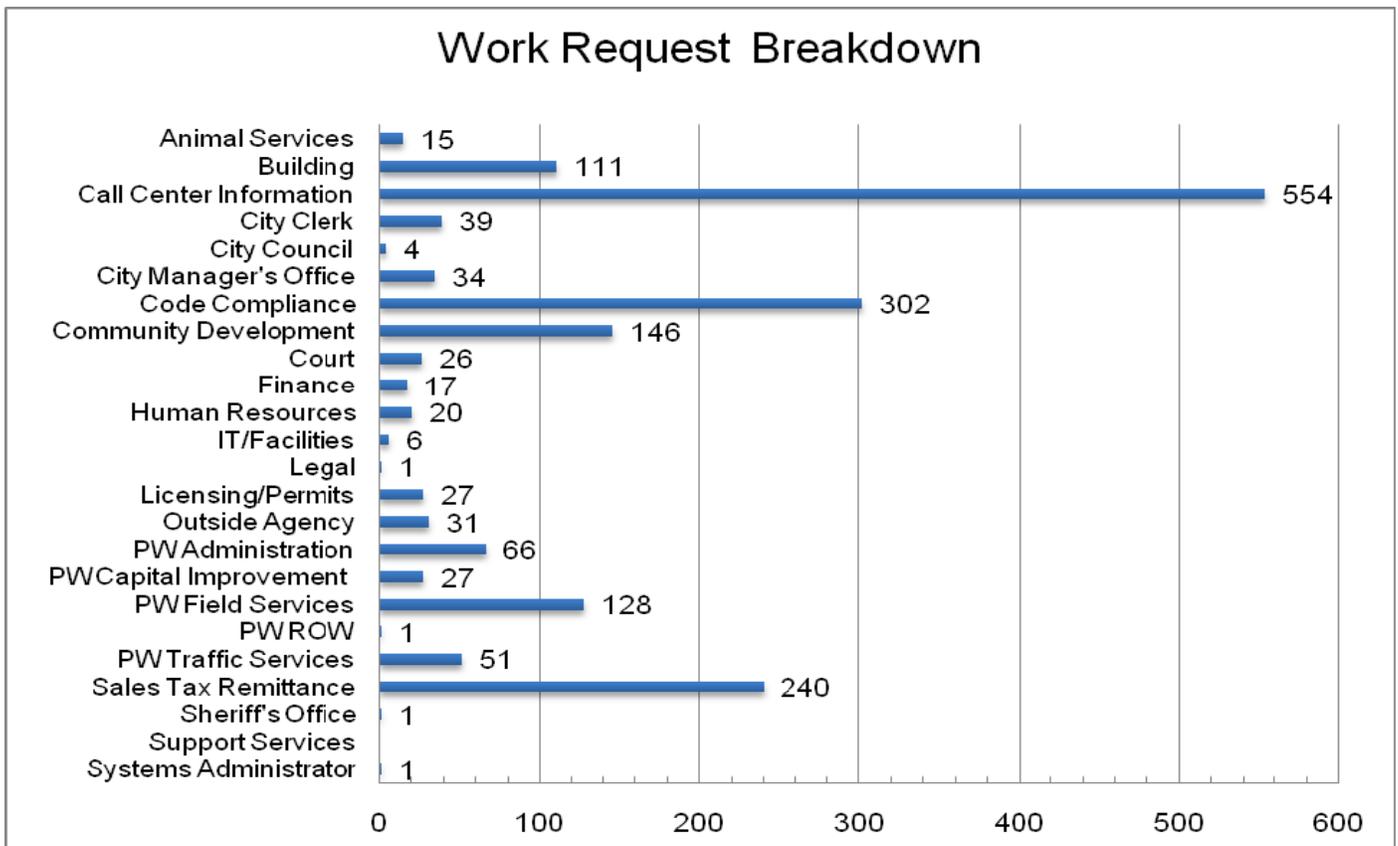
## Call Center

In April, the number of phone calls received by the City's 24-Hour Call Center, 303.325.8000, was 1,518 which includes 50 web requests. Only 8 calls were routed to the answering service during business hours, and a total of 29 calls after business hours. Overall, for the month of April, the Call Center had a 93 % compliance metric of answering phone calls within 120 seconds.

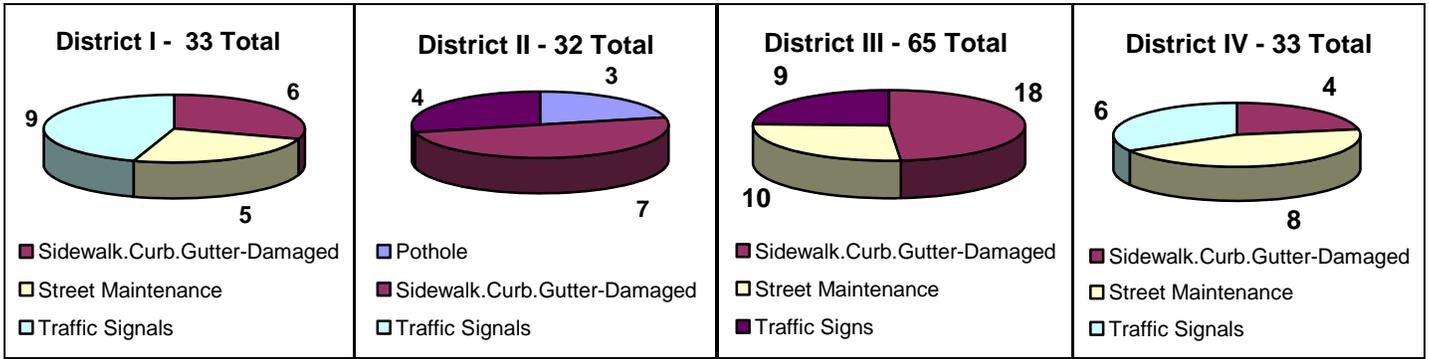
April 2011	Week 1	Week 2	Week 3	Week 4	MTD
	Apr 1-8	Apr 9-15	Apr 16-22	Apr 23-30	Total
Web Requests	14	10	13	13	<b>50</b>
Total Calls Handled by the Call Center	389	310	387	382	<b>1,468</b>
Total Metric for Call Center	403	320	400	395	<b>1,518</b>
Total Calls Rolled Over to Answering Service During Business Hours	0	5	3	0	<b>8</b>
Total Calls Rolled over to Answering Service After Hours	11	4	10	4	<b>29</b>

## Work Request Breakdown

The work requests received by the City for the month of April were 1,848.



## Work Request by District and Top Three Issues

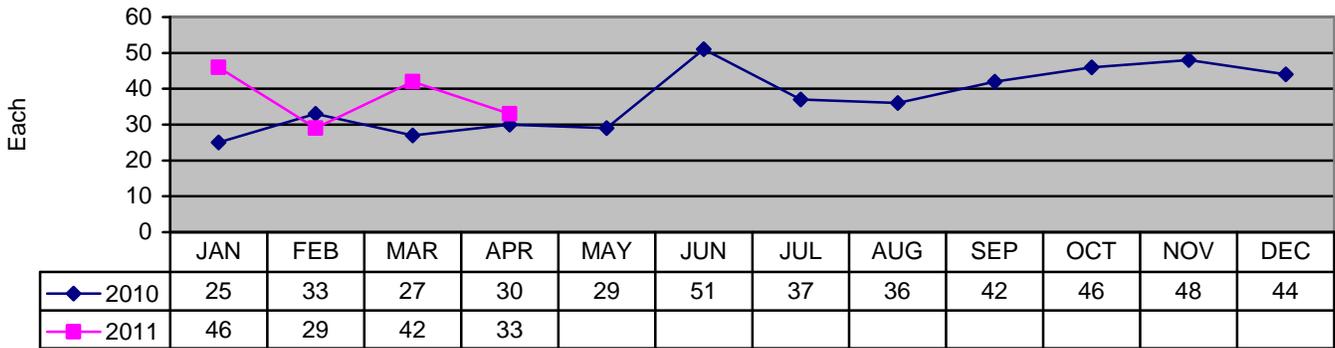


## Compliance Summary

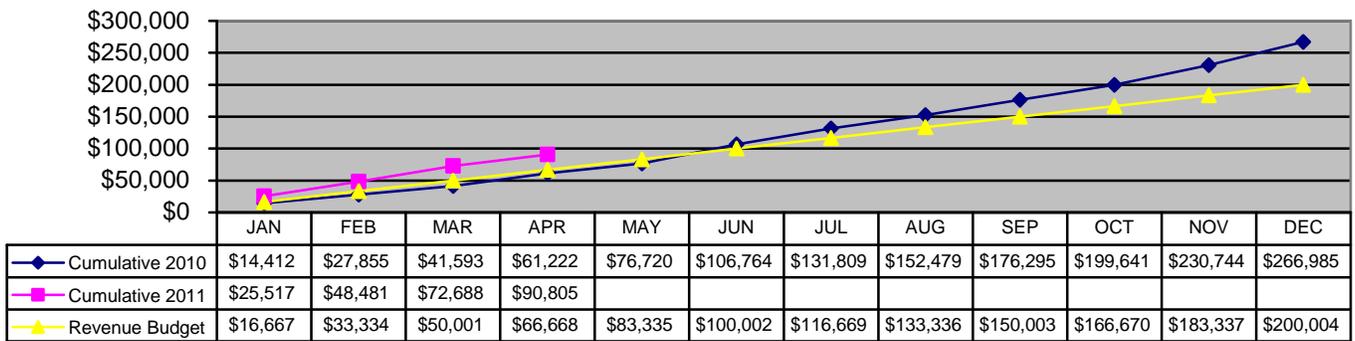
Field and Traffic Services					
Work Request by Priority	Received Total	Compliance Standard	Completed in Compliance	Compliance %	Average Days to Close
1 - Urgent (Completed within 24 Hours)	23	85%	21	91%	.27
2 - Important (Completed within 3 Business Days)	28	85%	26	93%	1.10
3 - Standard (Completed within 10 Business Days)	17	85%	13	76%	8.12
4 - Preventative Maintenance (Scheduled Work)	101	N/A	N/A	N/A	N/A
<b>Grand Total</b>	<b>169</b>				
Call Center					
Calls Answered Within 2 Minutes	Total Calls/Web Requests Handled		Compliance Standard		Compliance %
	1,518		85%		93%

## Annual Comparative Right-Of-Way Permits

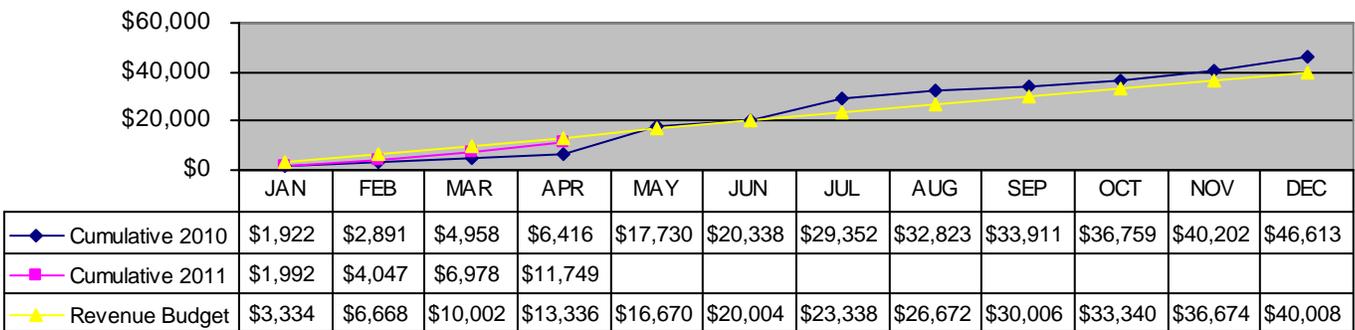
### Number of Permits



### Permit Revenue

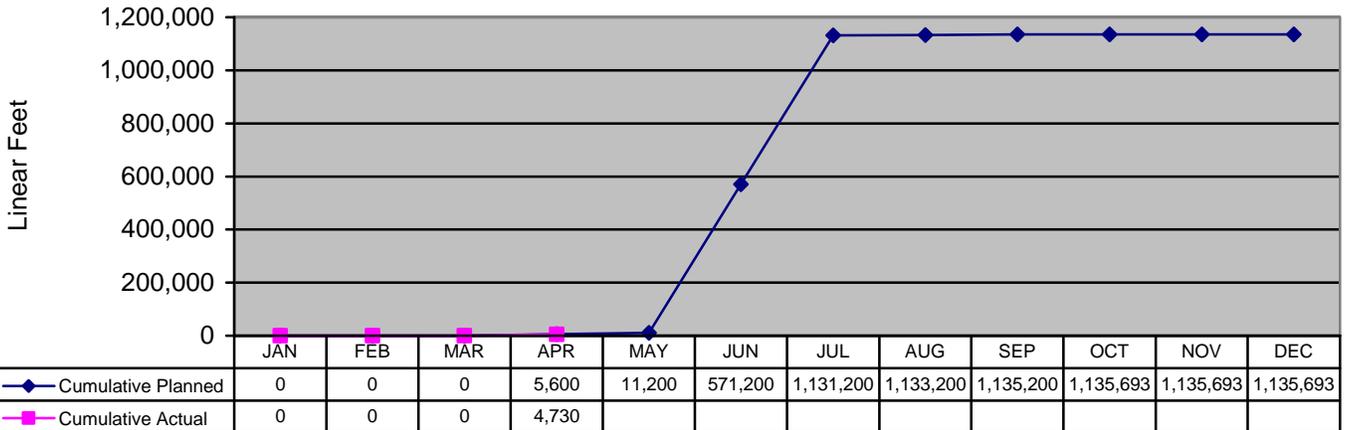


### Pavement Restoration Revenue

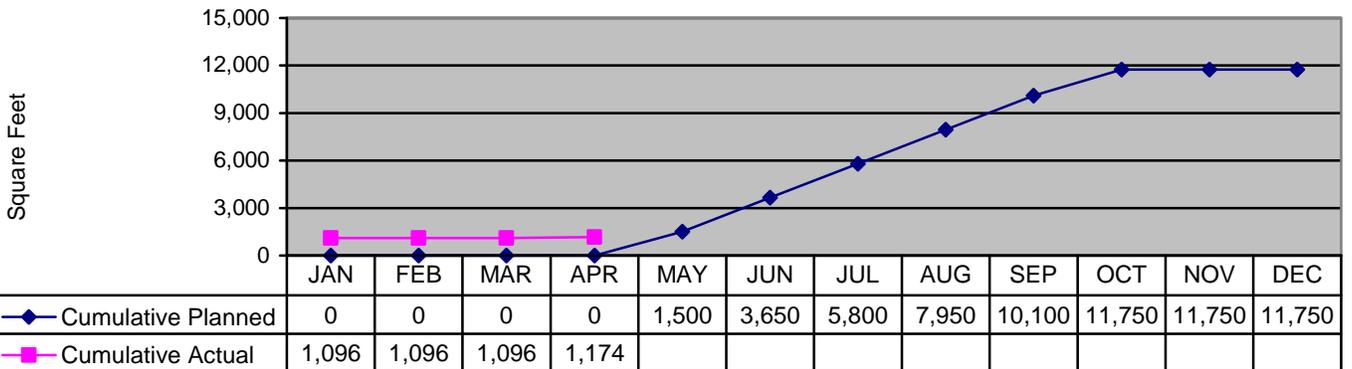


# Traffic Maintenance

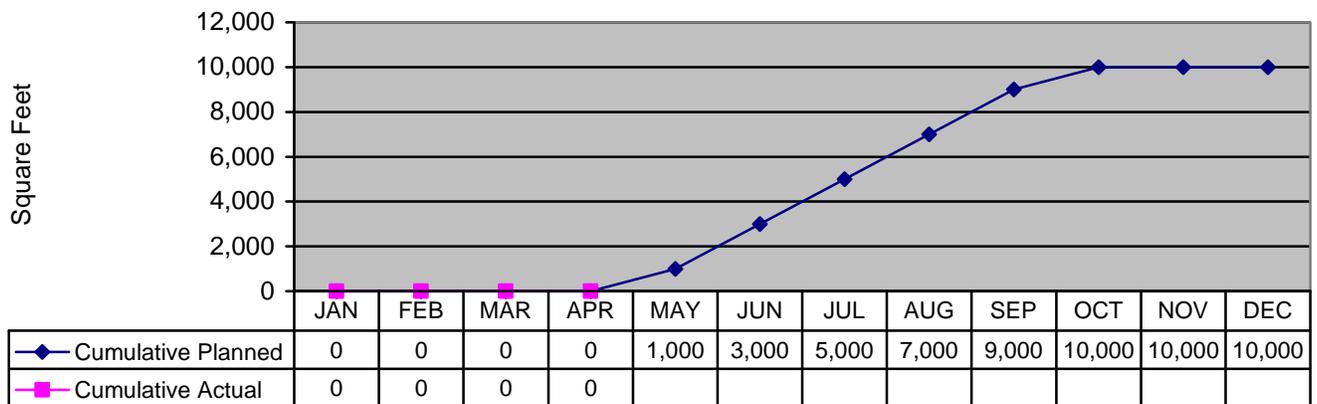
## Lane Striping



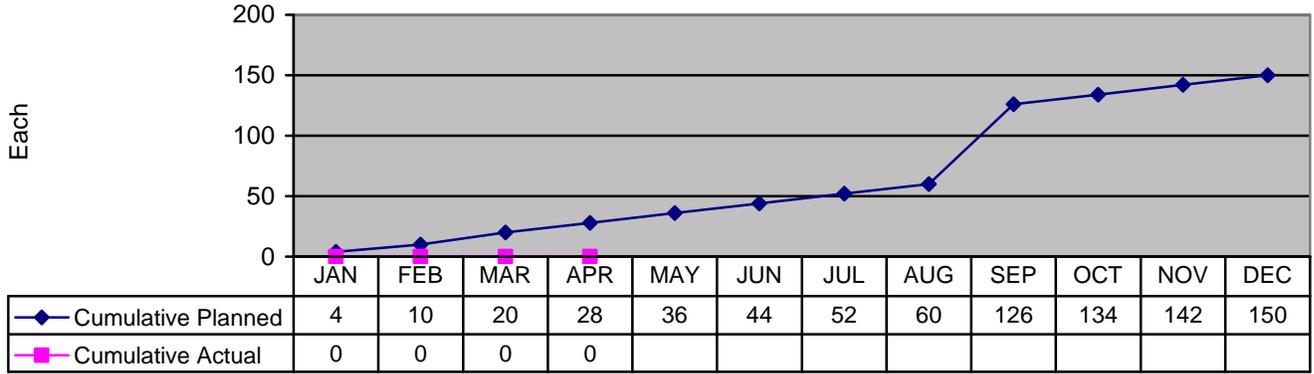
## Thermoplastic Crosswalks and Stopbars



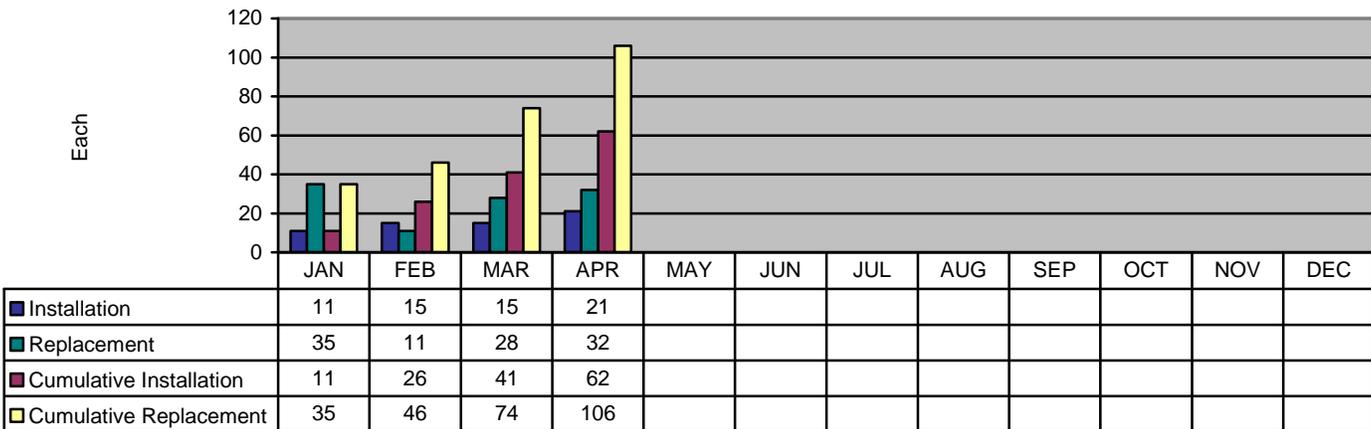
## Acrylic Paint Crosswalks and Stopbars



### Traffic Counts

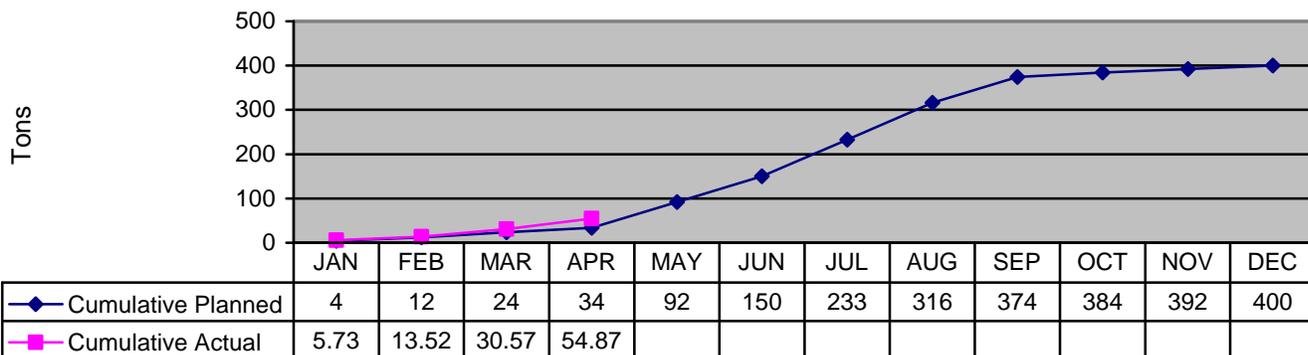


### Sign Installation and Replacement

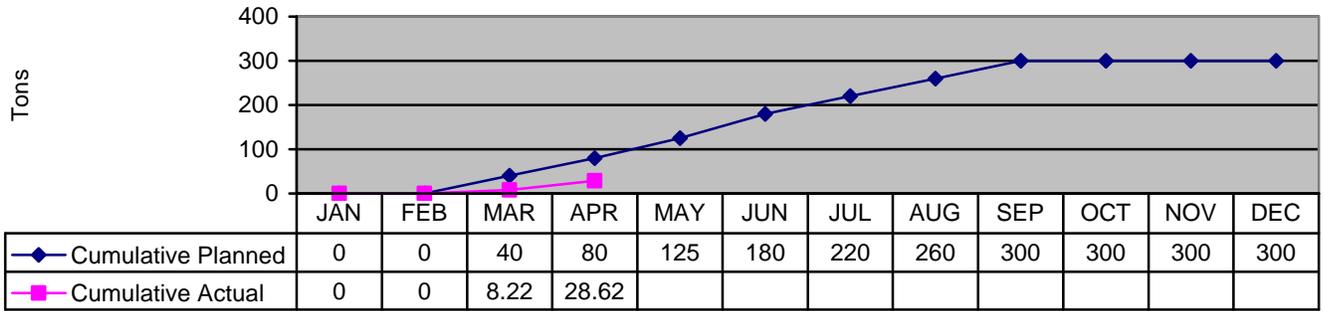


### Pavement Maintenance

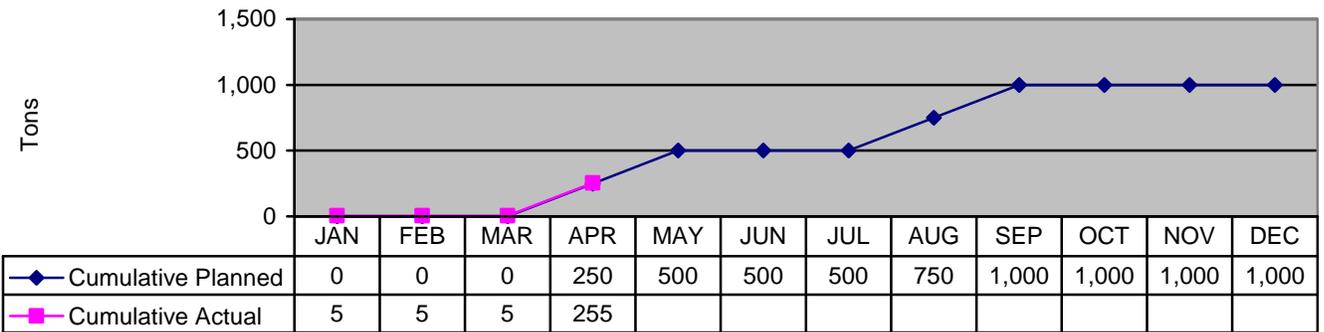
#### Pothole Patching



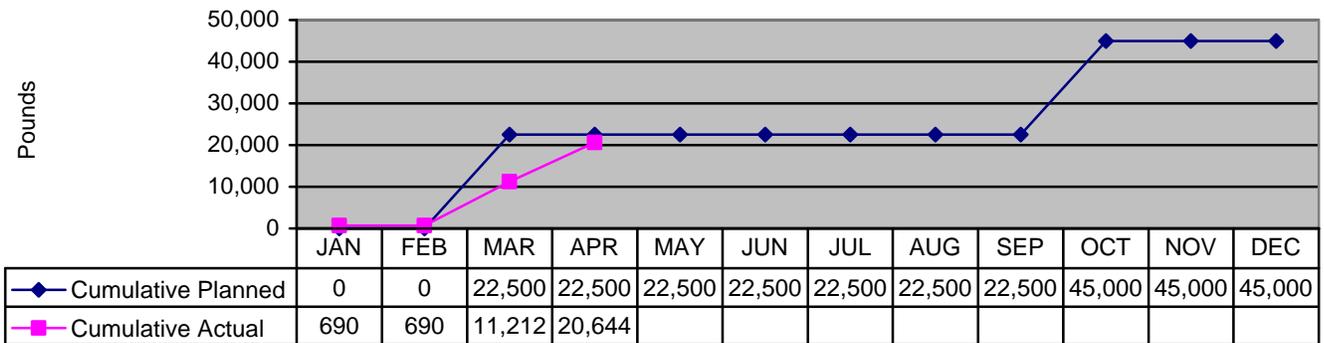
### Patch Back



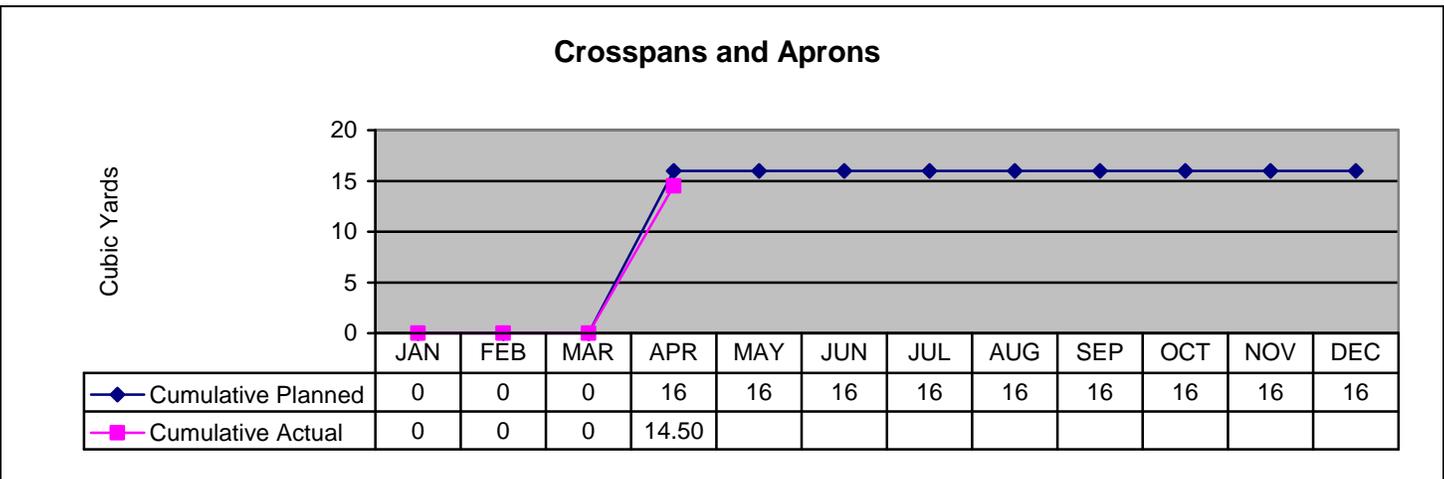
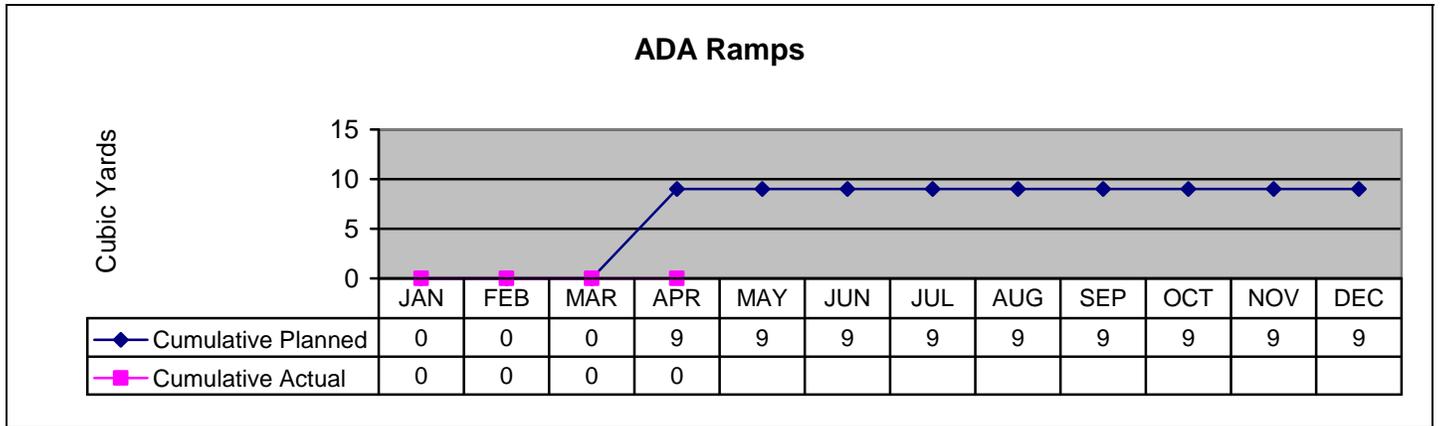
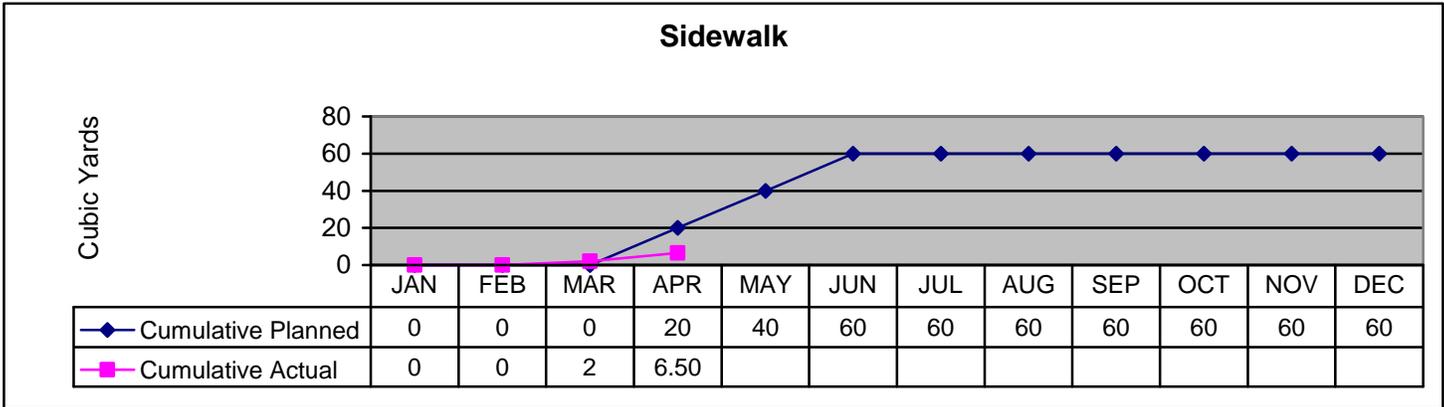
### Major Patching



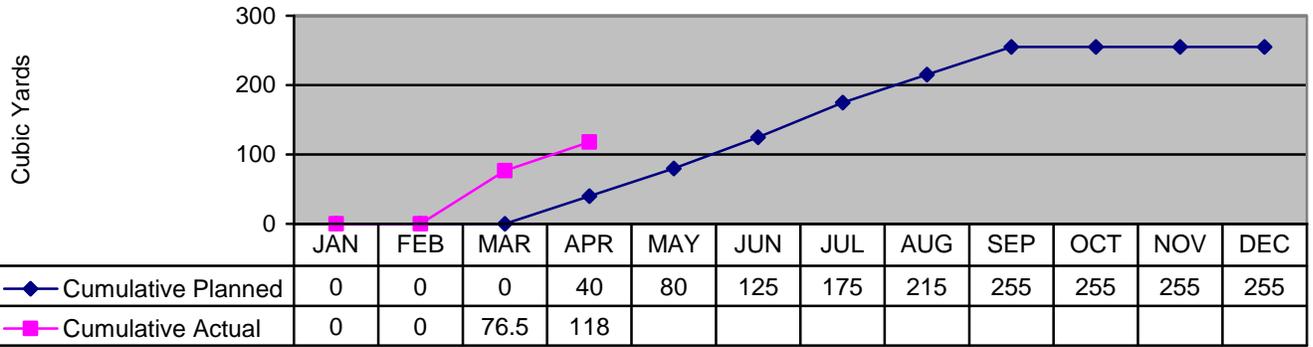
### Crack Seal



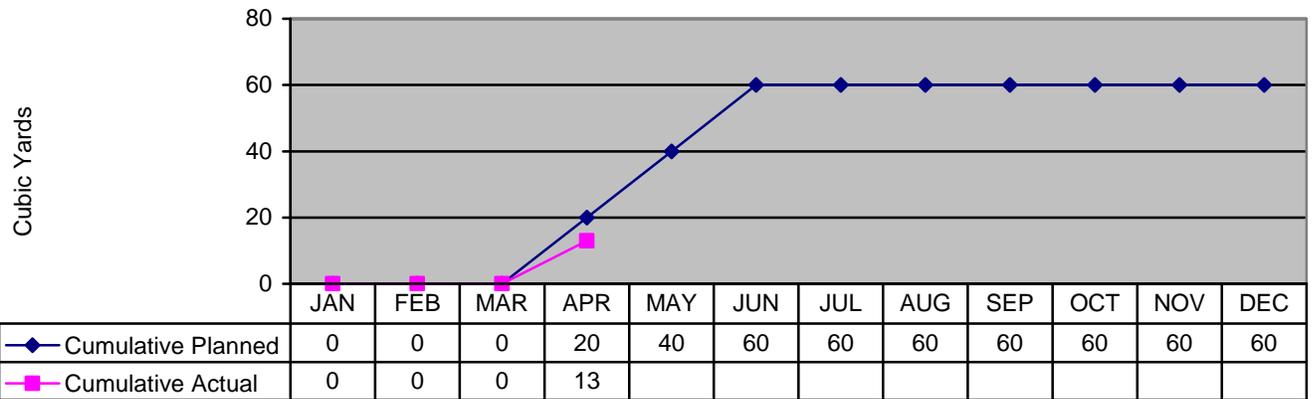
# Concrete Replacement



### Curb, Gutter and Sidewalk Combination

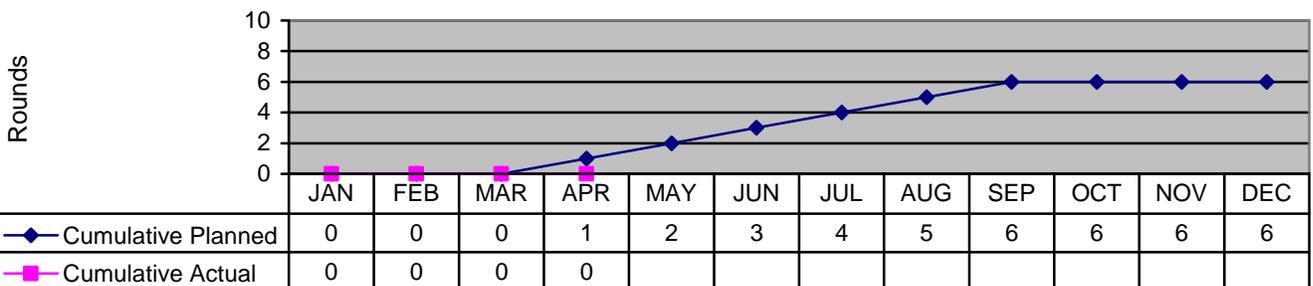


### Curb and Gutter

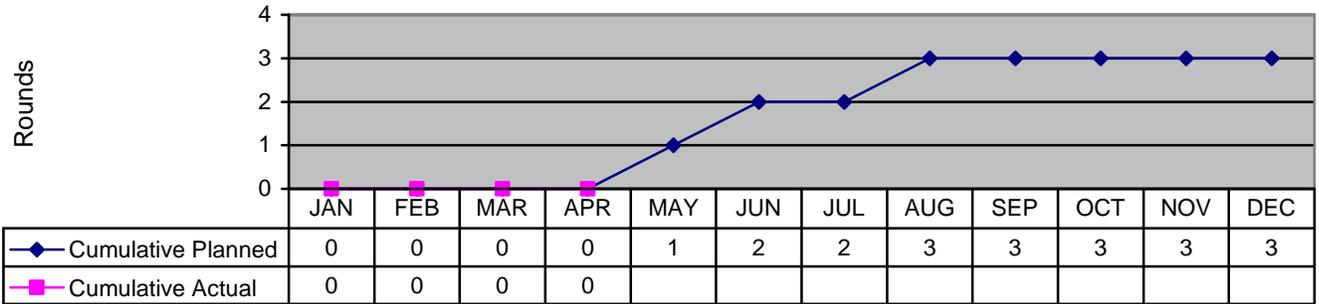


### Mowing, Debris and Weed Control

#### Mowing and Debris Control

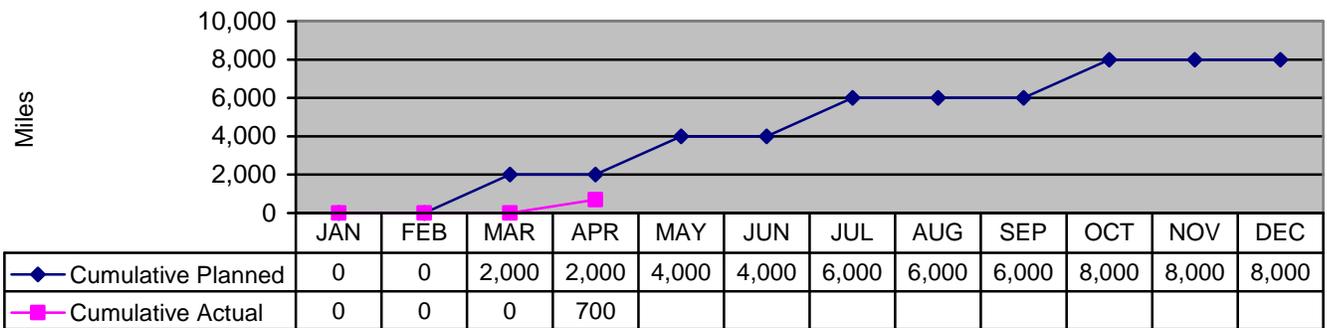


### Weed Control - Spraying

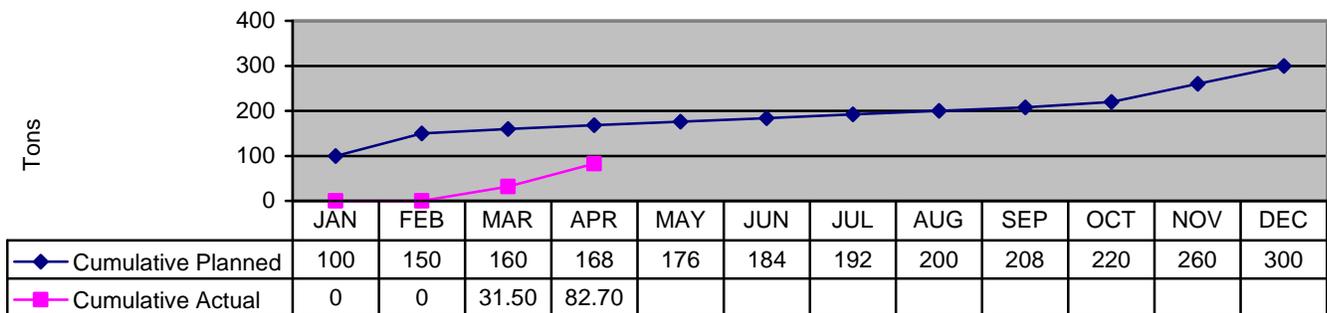


### Street Sweeping and Gravel Maintenance

#### Street Sweeping

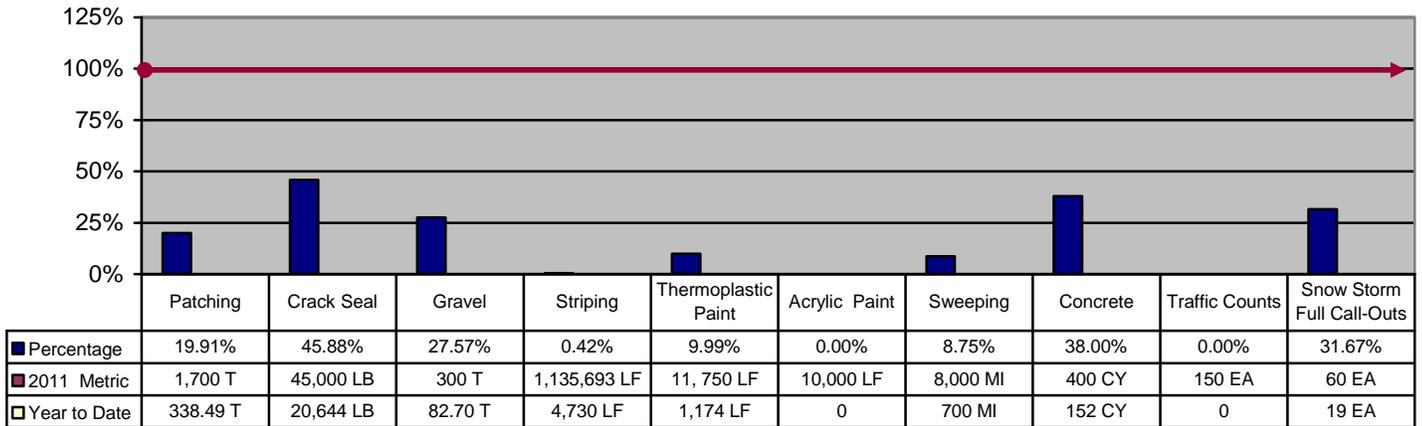


#### Gravel Maintenance



## 2011 Performance Measures

### Percentage of Metric

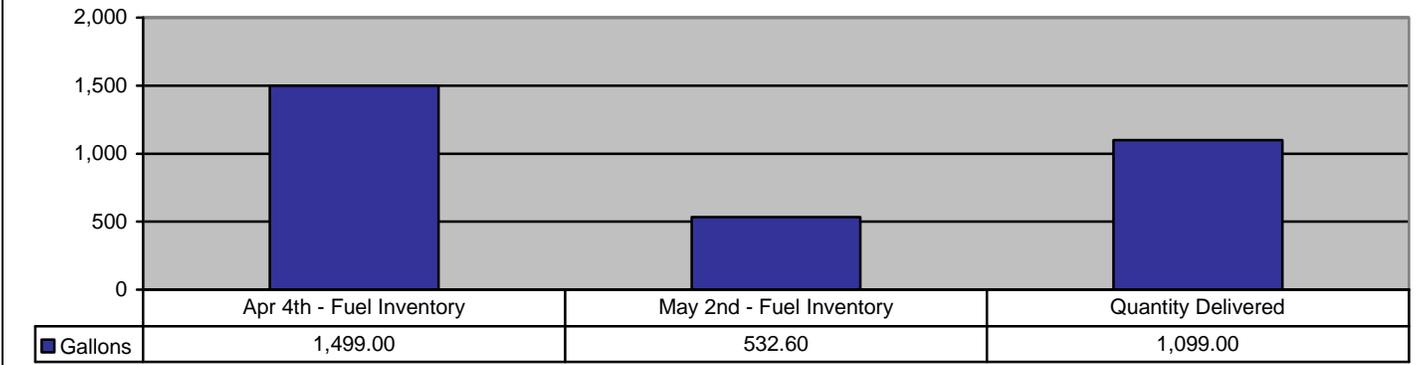


Tons = T      Pounds = LB      Linear Feet = LF      Square Feet = SF      Miles = MI      Cubic Yards = CY      Each - EA

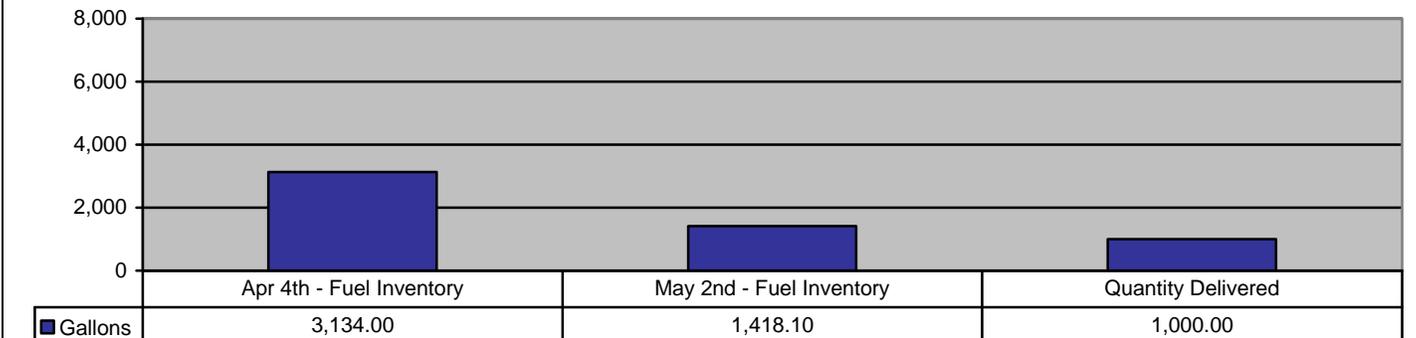
## Fuel Inventory

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 April.

### Unleaded Fuel



### Diesel Fuel



**Vehicle Use and Efficiency  
Period 4/1/11 to 4/30/11**

Vehicle #	Fuel Type	Description	MPG	Miles
0046	DIESEL	Street Sweeper	3.10	811
0047	DIESEL	Street Sweeper	3.80	531
0048	DIESEL	Street Sweeper	2.40	294
7759	DIESEL	1997 Freightliner S/A dump	3.80	302
7792	DIESEL	1998 IHC T/A dump	4.00	283
7850	DIESEL	1997 IHC T/A dump	5.30	324
7919	DIESEL	2000 IHC T/A dump	4.00	383
7920	DIESEL	2000 IHC T/A dump	3.90	508
8847	DIESEL	Navigator Patch Truck	5.40	861
<b>DIESEL Total</b>				<b>4,297</b>
1597	UNLEADED	1997 ford F-250 4wd	13.40	551
2161	UNLEADED	1999 Ford F-250 4wd Super cab	5.40	506
2165	UNLEADED	1999 Ford F-250 4wd Super cab	10.40	961
2189	UNLEADED	1999 Ford F-350 2wd dump body	3.20	326
2396	UNLEADED	2000 Ford F-350 2wd	9.80	790
2921	UNLEADED	2001 Ford F-250 4wd supercab	11.70	755
3388	UNLEADED	2002 Ford Ranger 4wd ext cab	23.00	1,313
3396	UNLEADED	2002 Ford F-250 4wd	5.60	399
5993	UNLEADED	Ford F-150	10.40	305
5994	UNLEADED	Ford F-150	14.40	1,620
5995	UNLEADED	Ford F-150	11.60	1,389
5996	UNLEADED	Ford F-150	13.30	320
9032	UNLEADED	Ford F-150	18.60	302
898	UNLEADED	Chevy Equinox	18.90	1,587
<b>UNLEADED Total</b>				<b>11,124</b>
<b>Grand Total</b>				<b>15,421</b>

## Snow Material Inventory Period 4/1/11 to 4/30/11

	Beginning Inventory	Delivered	Used	Ending Inventory
<b>Liquid Material</b>				
APEX (MgCl)	1,967.00	0.00	0.00	1,967.00
<b>Solid Material</b>				
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
<b>Total</b>	<b>2,207.91</b>	<b>0.00</b>	<b>0.00</b>	<b>2,207.91</b>

### 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	\$ 87,317.67	\$ (4,871.87)	\$ 82,445.80
Large Deceased Animal Pick-Up (Animal & Pest Control)	\$ 3,000.00	\$ 3,000.00	\$ 2,650.00	\$ (350.00)	\$ 2,300.00
Fuel	\$ 137,000.00	\$ 137,000.00	\$ 91,244.11	\$ (7,746.70)	\$ 83,497.41
Mosquito Control	\$ 34,460.00	\$ 34,460.00	\$ 34,460.00	\$ (5,743.33)	\$ 28,716.67
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	\$ 153,345.78	\$ (10,510.02)	\$ 142,835.76