



# City of Centennial

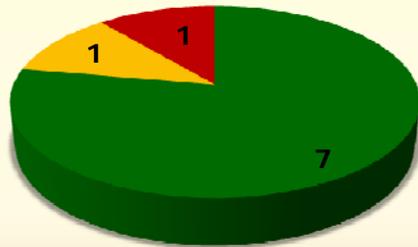
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## **PUBLIC WORKS OPERATIONS AND TRAFFIC ENGINEERING**

**PROGRESS REPORT  
FEBRUARY 1 – FEBRUARY 28, 2009**

## WORK REQUESTS TO PUBLIC WORKS

District I - 15 Total Calls



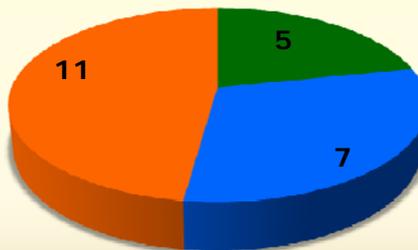
■ Traffic Signs      ■ Stop Sign Down  
■ Debris - Public Property

District II - 19 Total Calls



■ Traffic Signs    ■ Traffic Signals    ■ Potholes

District III - 34 Total Calls



■ Traffic Signs    ■ Traffic Signals    ■ Potholes

District IV - 28 Total Calls

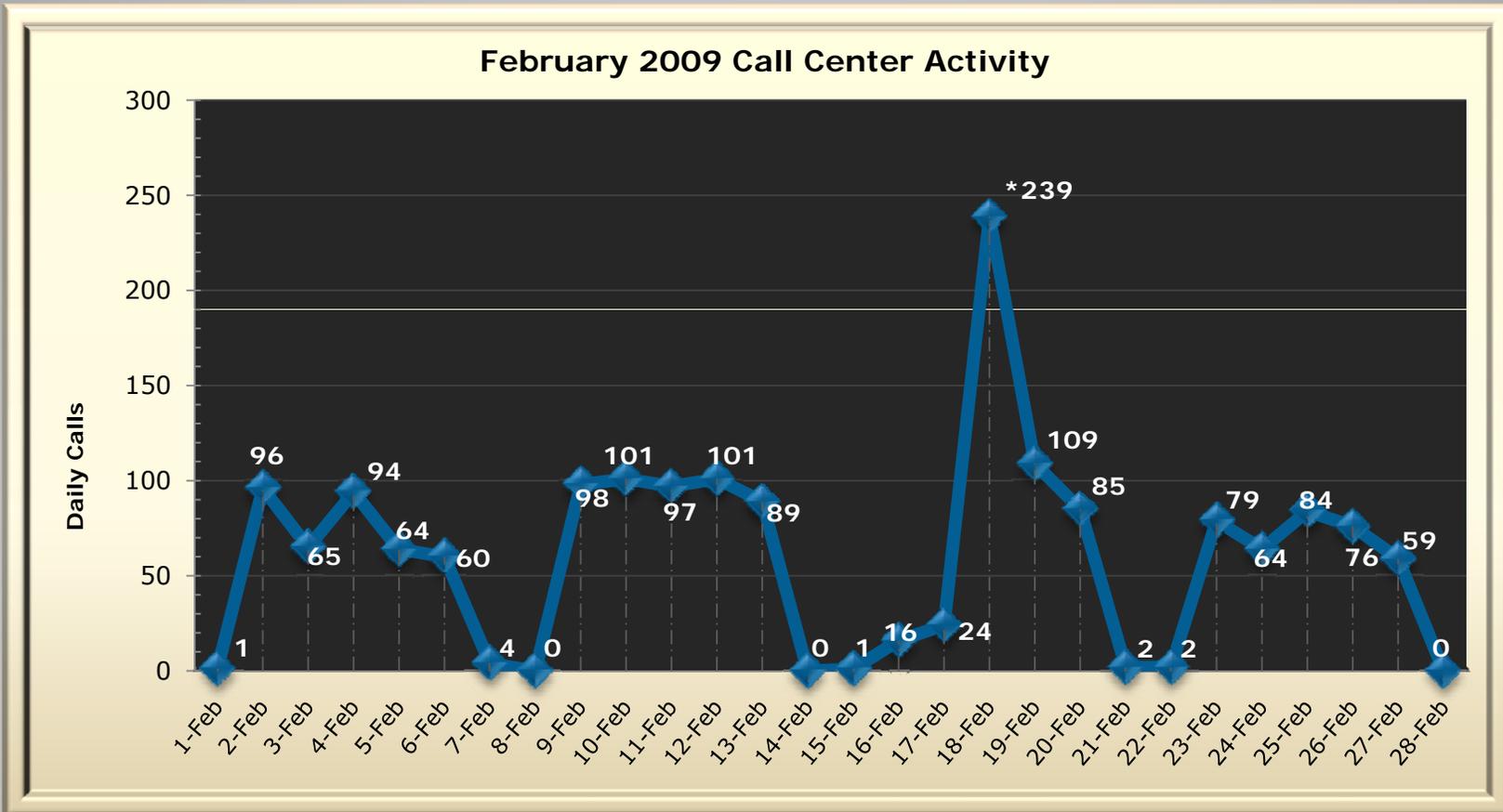


■ Traffic Signs      ■ Traffic Signals  
■ Debris - Public Property

\*\*Includes top issues by reporting parties

## CALL CENTER ACTIVITY

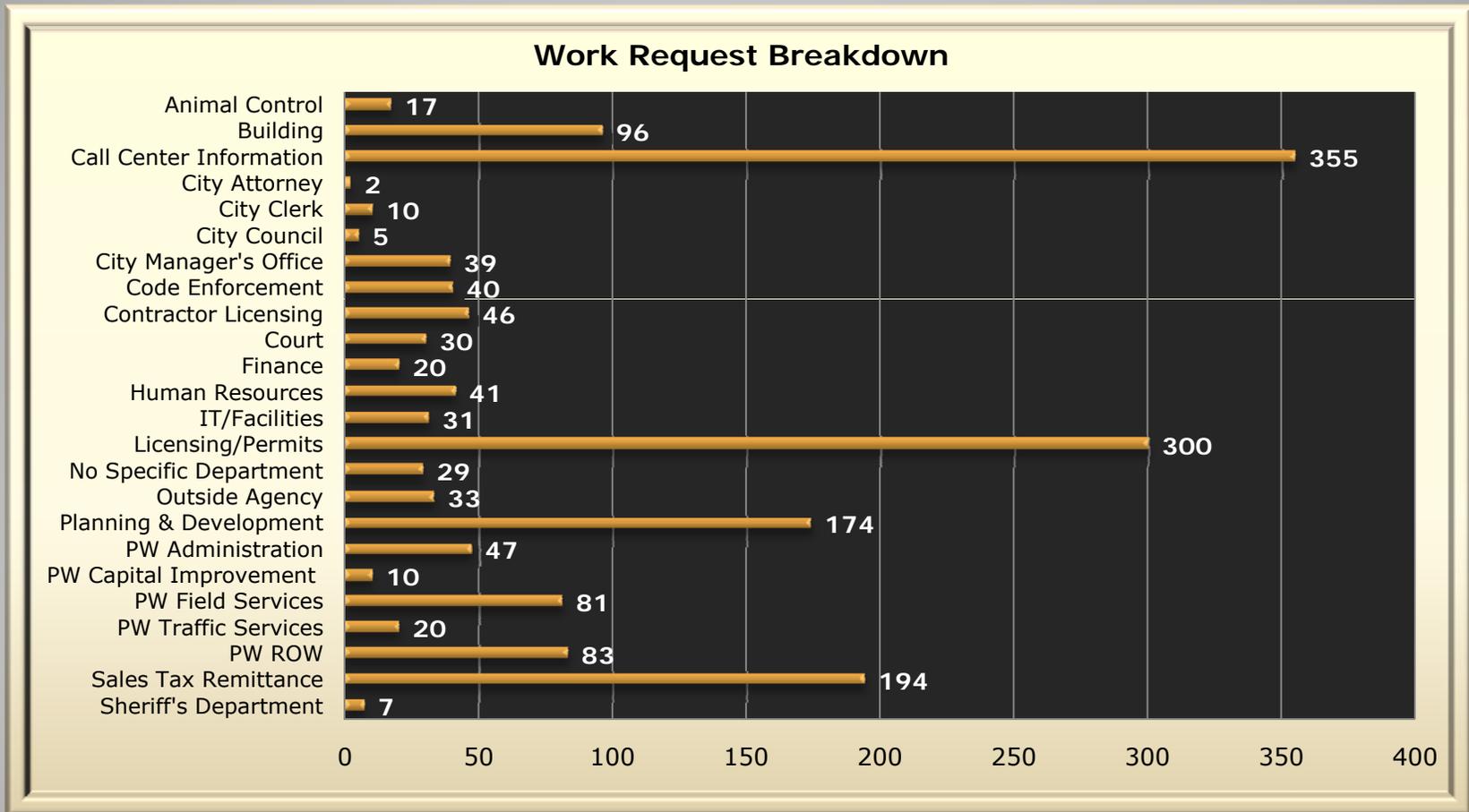
- Month-To-Date Calls Received for February 1st – February 28th were 1,710



\*Quantity includes January and February ROW Permit requests entered in CarteGraph on 2/18/09

## Work Request Activity

- Work requests received for the dates of February 1 – February 28, 2009 were 1,710



## FIELD AND TRAFFIC WORK REQUEST SUMMARIES

### Work Request Compliance

Work Request by Priority	Received Total	Compliance Standard	Completed in Compliance	Compliance %	Average Days to Close
1 - Urgent within 24 Hrs.	20	85%	20	100%	.42
2 - Important within 3 Business Days	20	85%	20	100%	1.21
3 - Standard within 10 Business Days	15	85%	14	93%	3.87
4 - Preventative Maintenance	129	N/A	N/A	N/A	
<b>Grand Total</b>	<b>184</b>		<b>54</b>		

## TRAFFIC SERVICES MAJOR ACTIVITIES

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- Traffic Services
  - Attended 2008 NTMP 1st neighborhood meeting with Fox Ridge-Mineral residents
  - Met with Sergeant Lillie to discuss ACSO concerns
  - Met with Gades Sales representative for a demo on programming electronic speed signs
  - Met with John Hansen, 2ITSHelp, for demo on Zydax weather station
  - Attended the February luncheon meeting for the CO/WY ITE Section
- Traffic Signals
  - Conducted nighttime inspection of illuminated street name signs and inspected structural coating at Quebec/Peakview and Quebec/Caley
  - Conducted final walk through and developed punchlist for signals at Potomac/Fremont & Reservoir/Flanders
  - Potomac/Fremont & Reservoir/Flanders signals put in flash on February 26th, turn-on is scheduled for March 3rd
  - Completed form for signal inventory and will start collecting data on March 2<sup>nd</sup>
  - Made timing adjustments to signals on the Dry Creek/Havana signal re-timing project
  - Made off-peak timing adjustments to the signal at Smoky Hill/Gibraltar
  - Performed manual signal control at Arapahoe/Briarwood due to crash that closed Eastbound Arapahoe on February 25<sup>th</sup>
  - Continued collecting information on school flashers for RFP
  - Inspected mast arm connection at Orchard/Joplin and determined to be acceptable

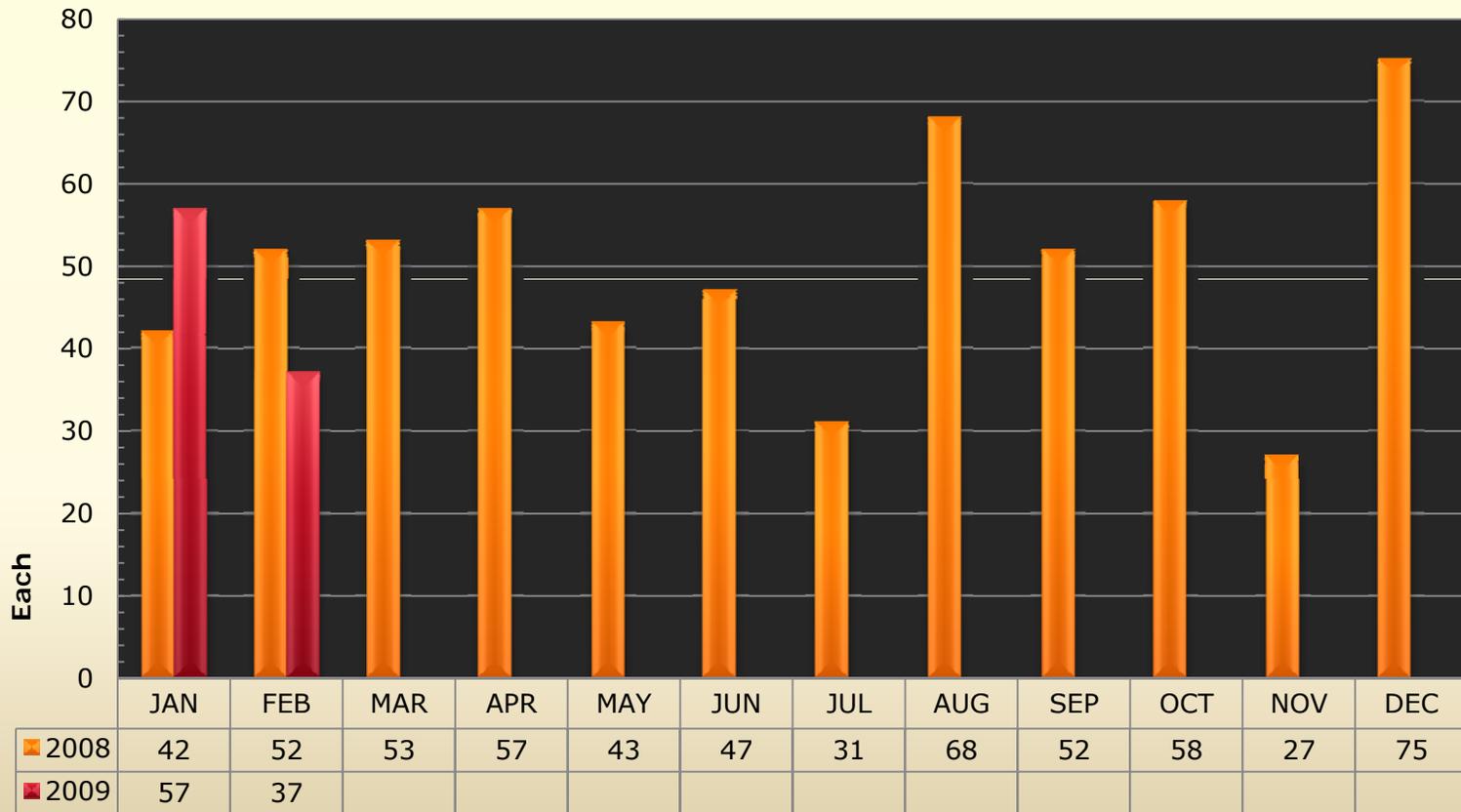
## TRAFFIC SERVICES MAJOR ACTIVITIES

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- Traffic Studies
  - Reviewed construction plans for Newpath Networks, proposed fiber optic installation
  - Conducted 1st neighborhood meeting with Fox Ridge-Mineral residents for 2008 NTMP
  - Completed signing plan for ACSO request at 6865 S. Quebec St.
  - Worked on signing plan for Arapahoe and Nobles
  - Collected volume and speed data for Otero, Quebec to County Line (3rd study period)
  - Finalized speed zone map for arterials
  - Responded to several emails regarding Chenango Dr. traffic, west of Himalaya
  - Initiated request for streetlight at Chenango Dr. & Espana
- Accident Analysis Program
  - Worked with Pd Programming to import violation codes to crash database
  - Worked with GIS to generate 100-block addressing of the city to create intersection addresses in database
  - Met with Scott Lillie, ACSO, to discuss county's system for identifying accident locations

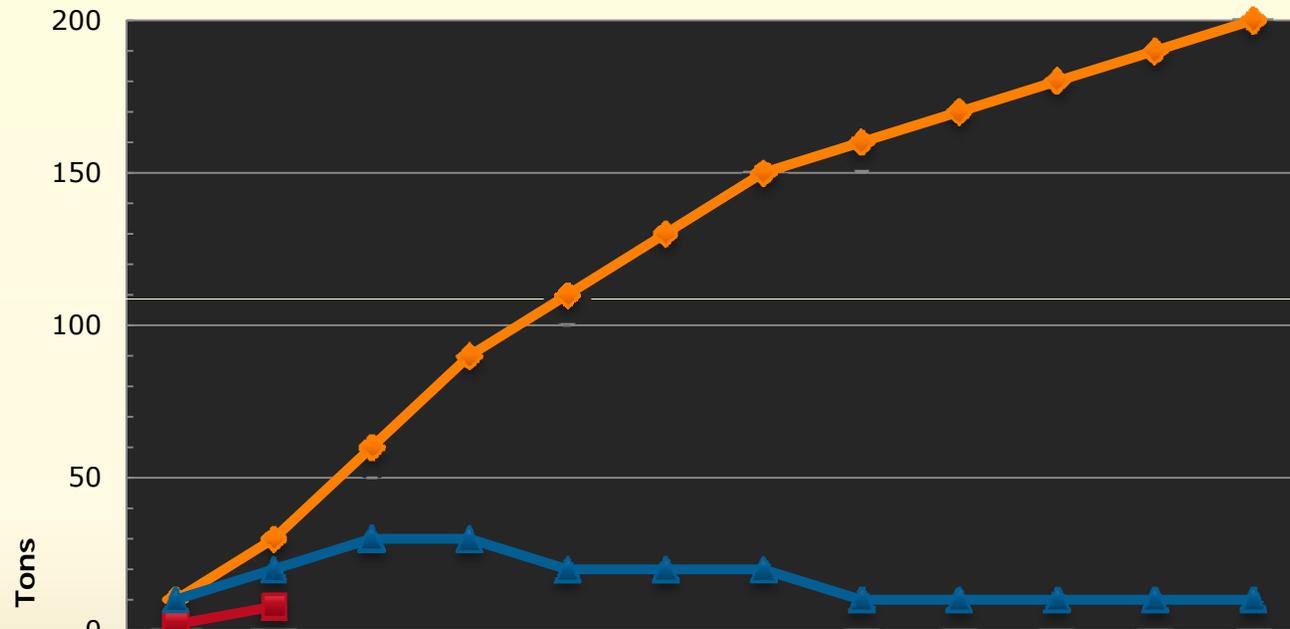
# RIGHT-OF-WAY PERMIT ACTIVITY

## Annual Comparative - Right-Of-Way Permits



# PAVEMENT MAINTENANCE

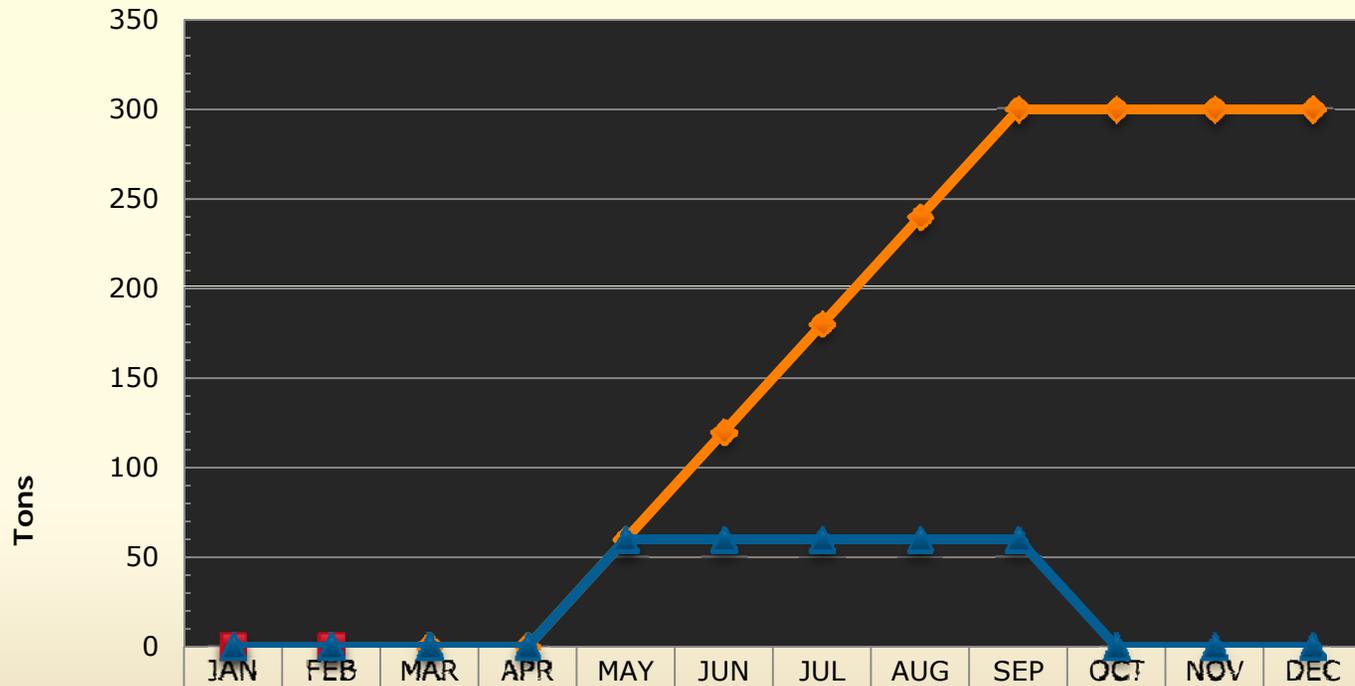
## Pothole Patching



	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
◆ Cumulative Planned	10	30	60	90	110	130	150	160	170	180	190	200
■ Cumulative Actual	1.93	7.75										
▲ Monthly Planned	10	20	30	30	20	20	20	10	10	10	10	10

# PAVEMENT MAINTENANCE

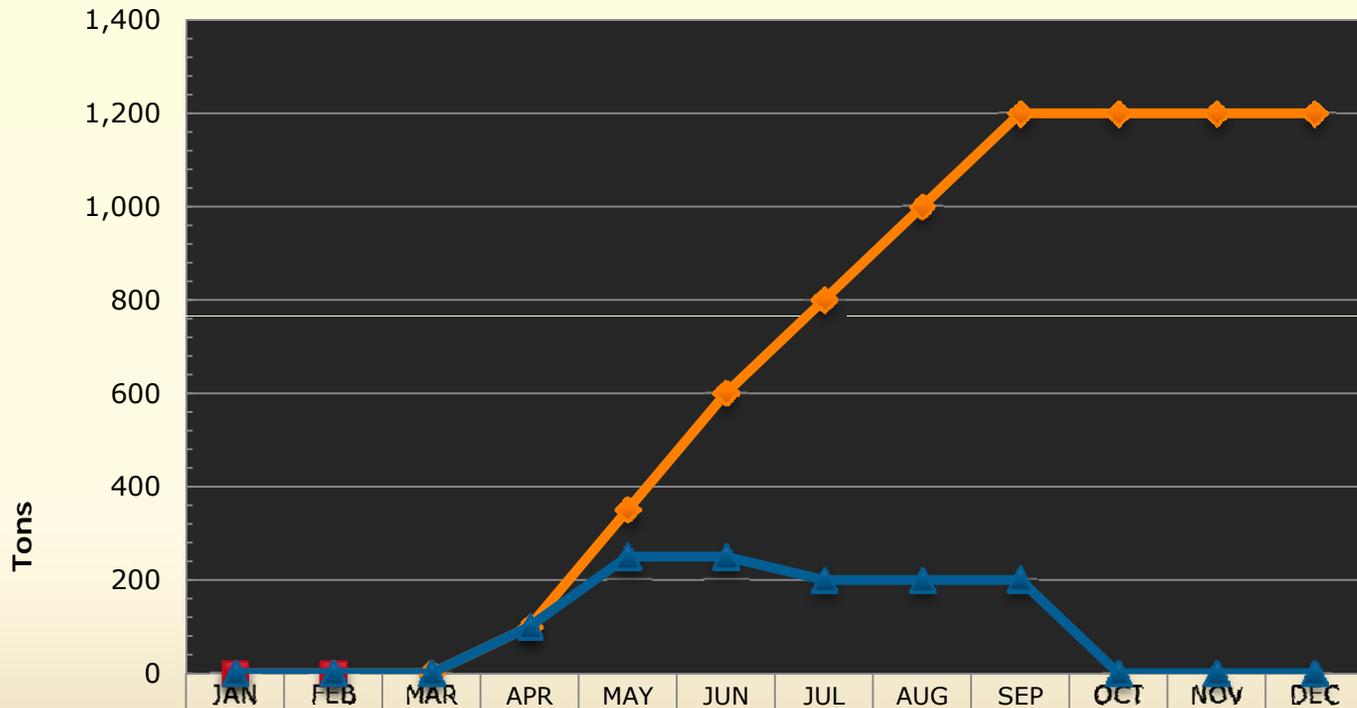
## Patch Back



—◆— Cumulative Planned	0	0	0	0	60	120	180	240	300	300	300	300
—■— Cumulative Actual	0	0										
—▲— Monthly Planned	0	0	0	0	60	60	60	60	60	0	0	0

# PAVEMENT MAINTENANCE

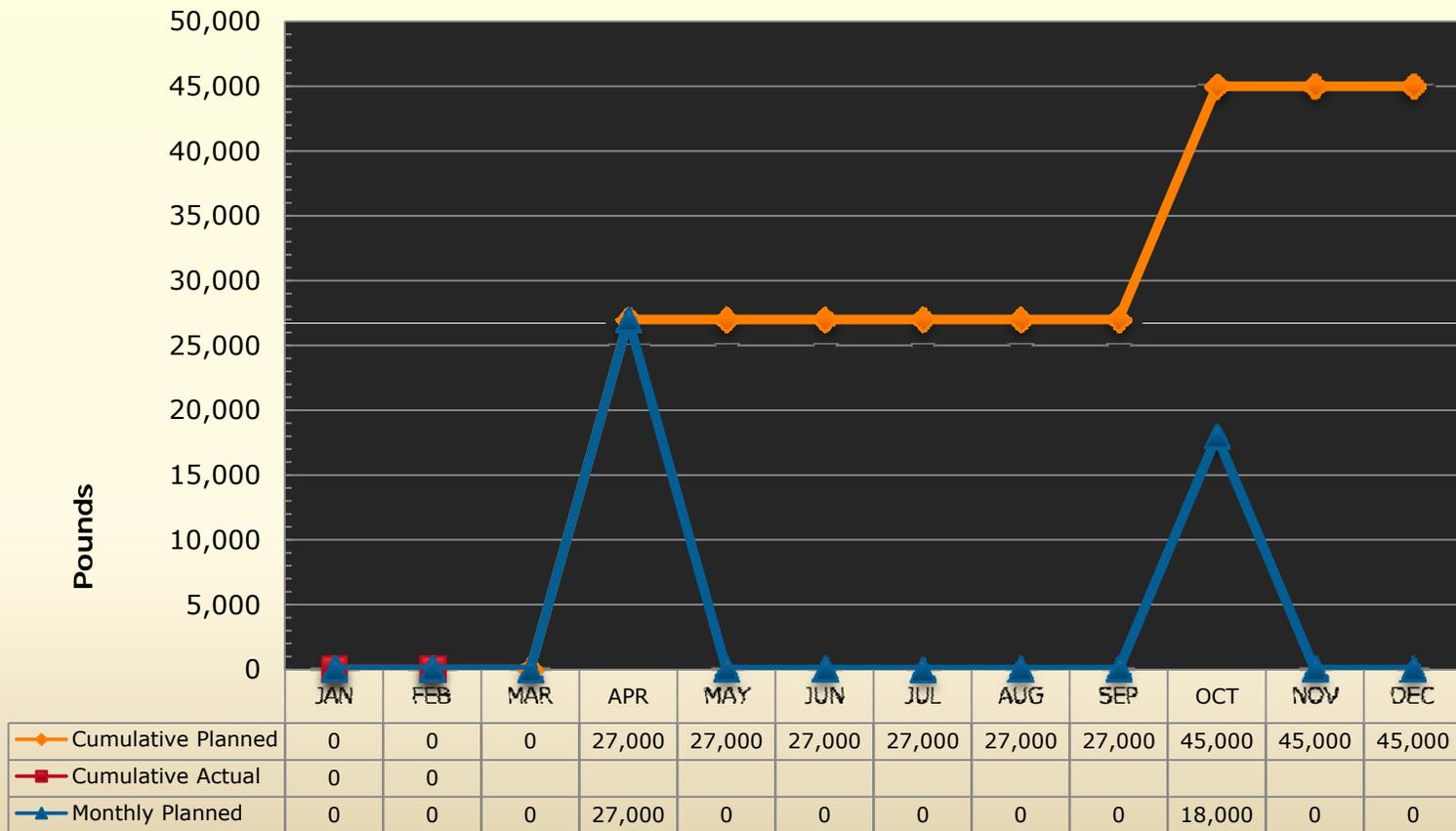
## Major Patching



◆ Cumulative Planned	0	0	0	100	350	600	800	1,000	1,200	1,200	1,200	1,200
■ Cumulative Actual	0	0										
▲ Monthly Planned	0	0	0	100	250	250	200	200	200	0	0	0

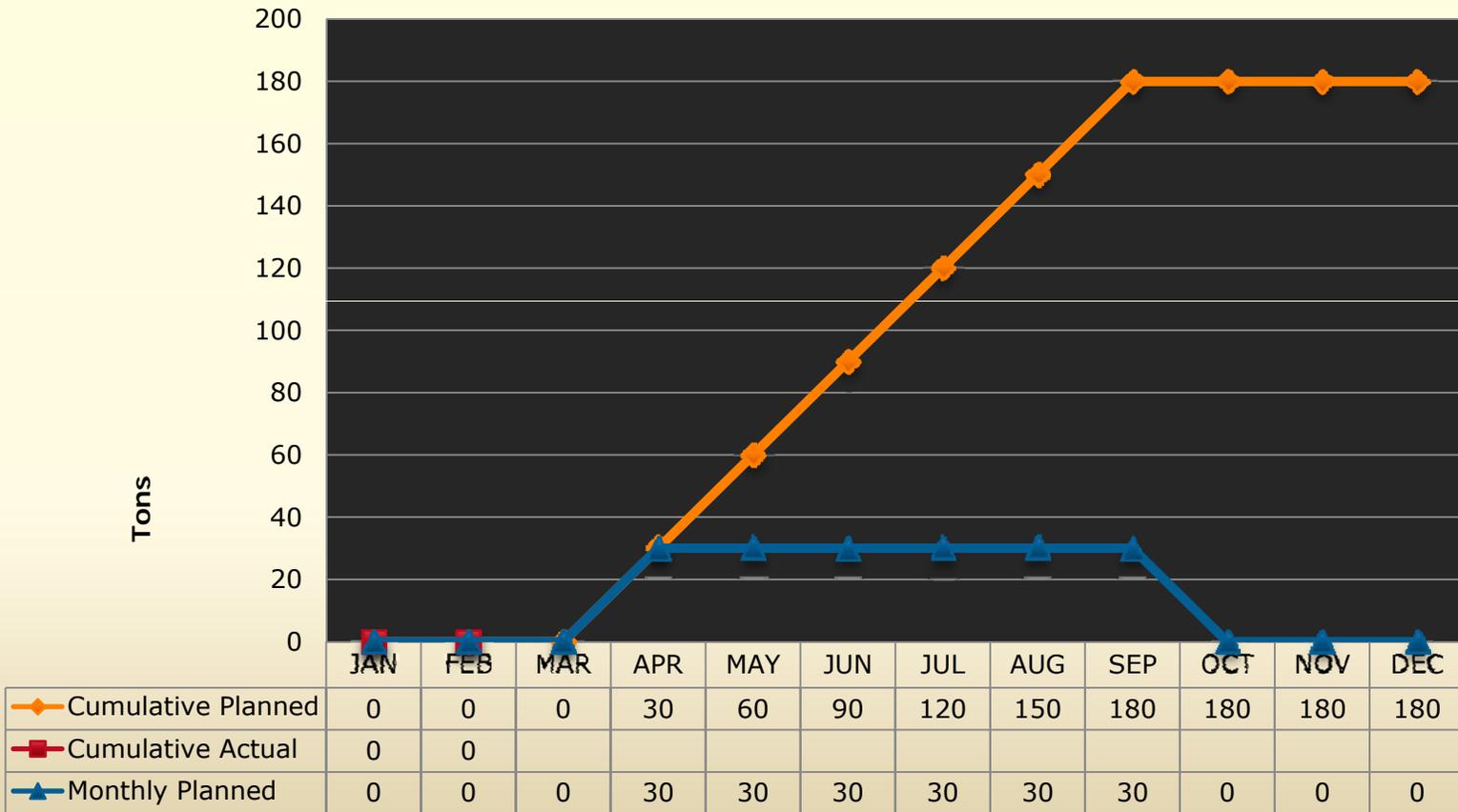
# PAVEMENT MAINTENANCE

## Crack Seal



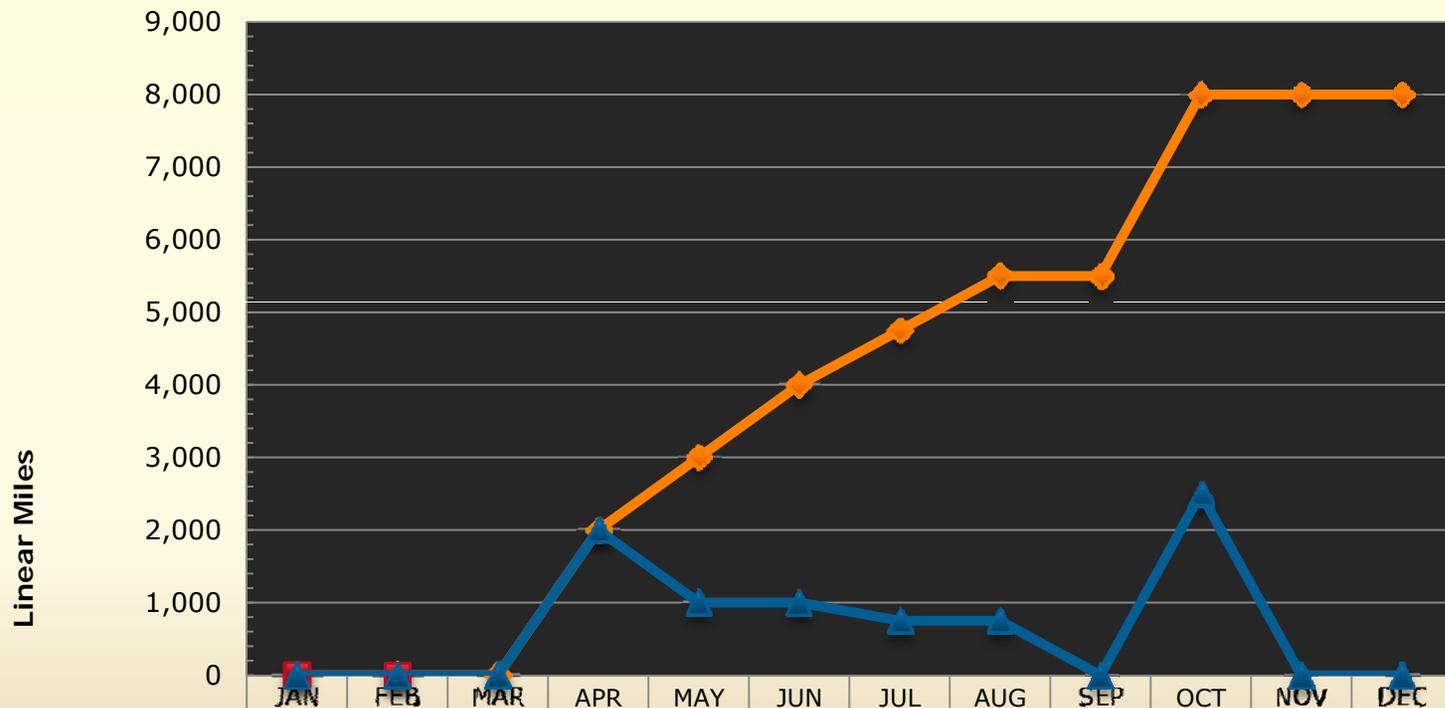
# STREET MAINTENANCE

## Gravel Shoulder Maintenance



# STREET MAINTENANCE

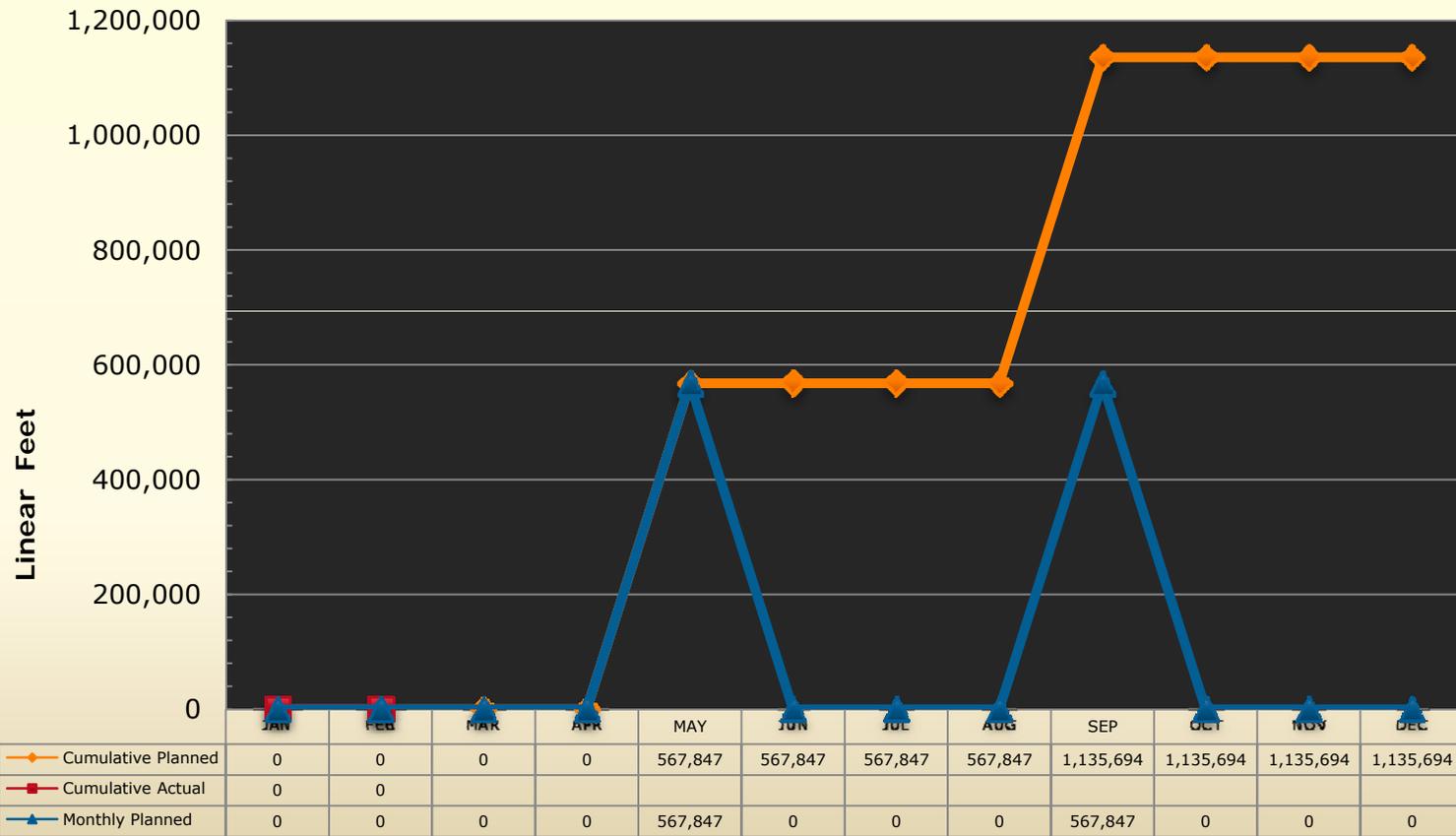
## Street Sweeping



—◆— Cumulative Planned	0	0	0	2,000	3,000	4,000	4,750	5,500	5,500	8,000	8,000	8,000
—■— Cumulative Actual	0	0										
—▲— Monthly Planned	0	0	0	2,000	1,000	1,000	750	750	0	2,500	0	0

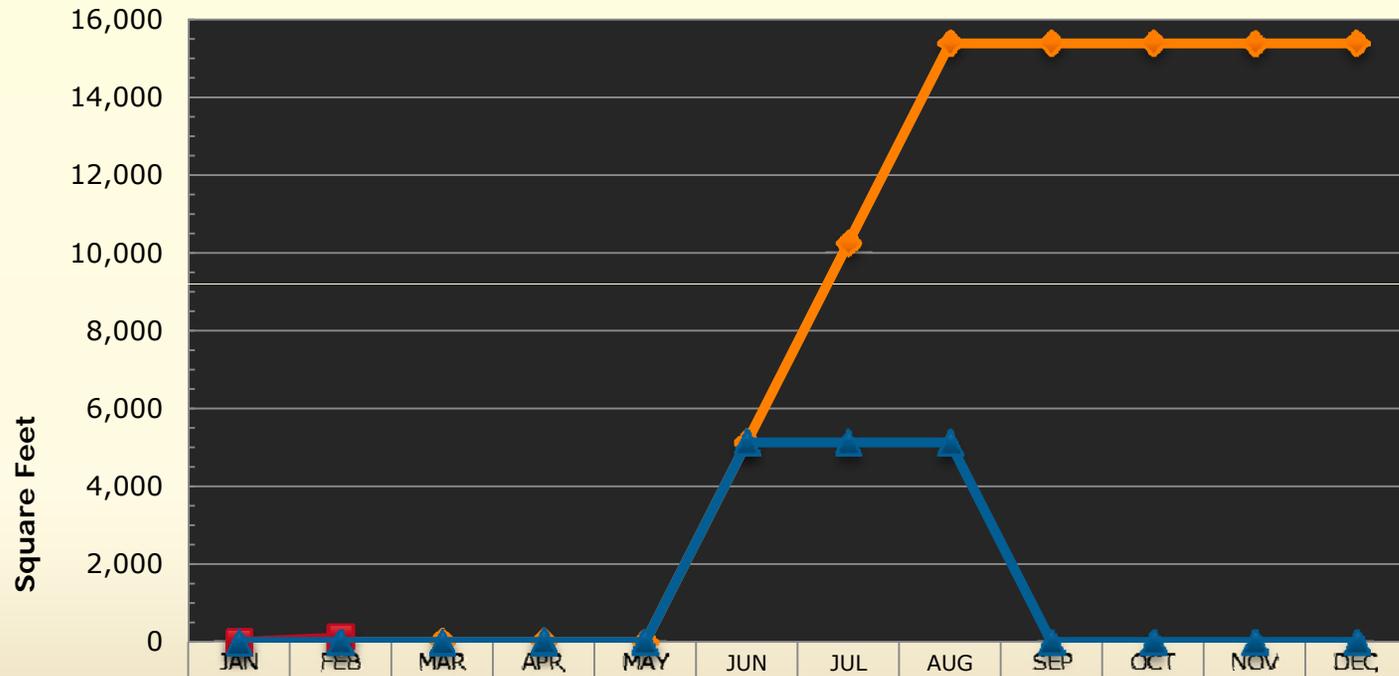
# TRAFFIC MAINTENANCE

## Lane Striping



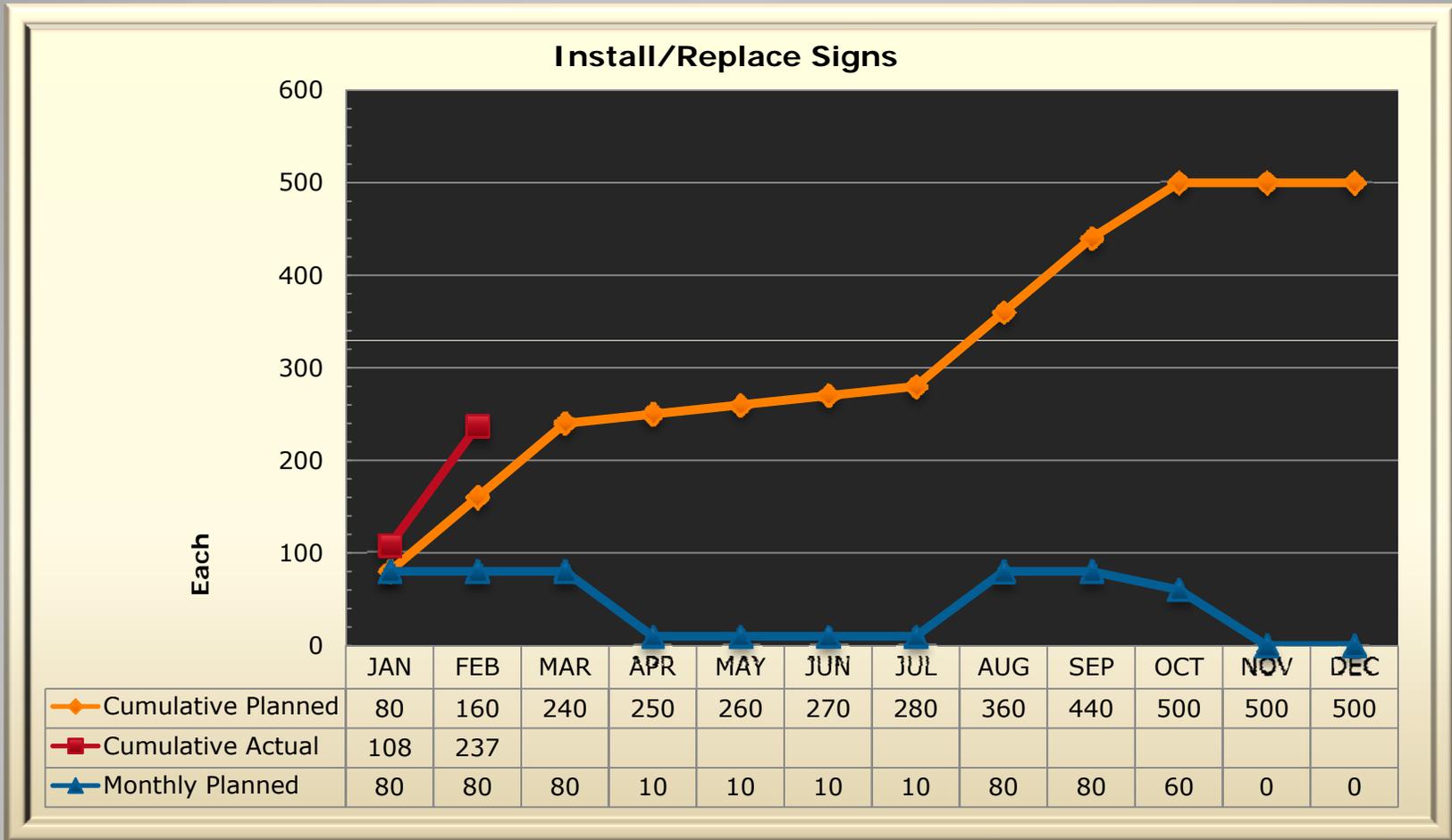
# TRAFFIC MAINTENANCE

## Crosswalks and Stop Bar Markings



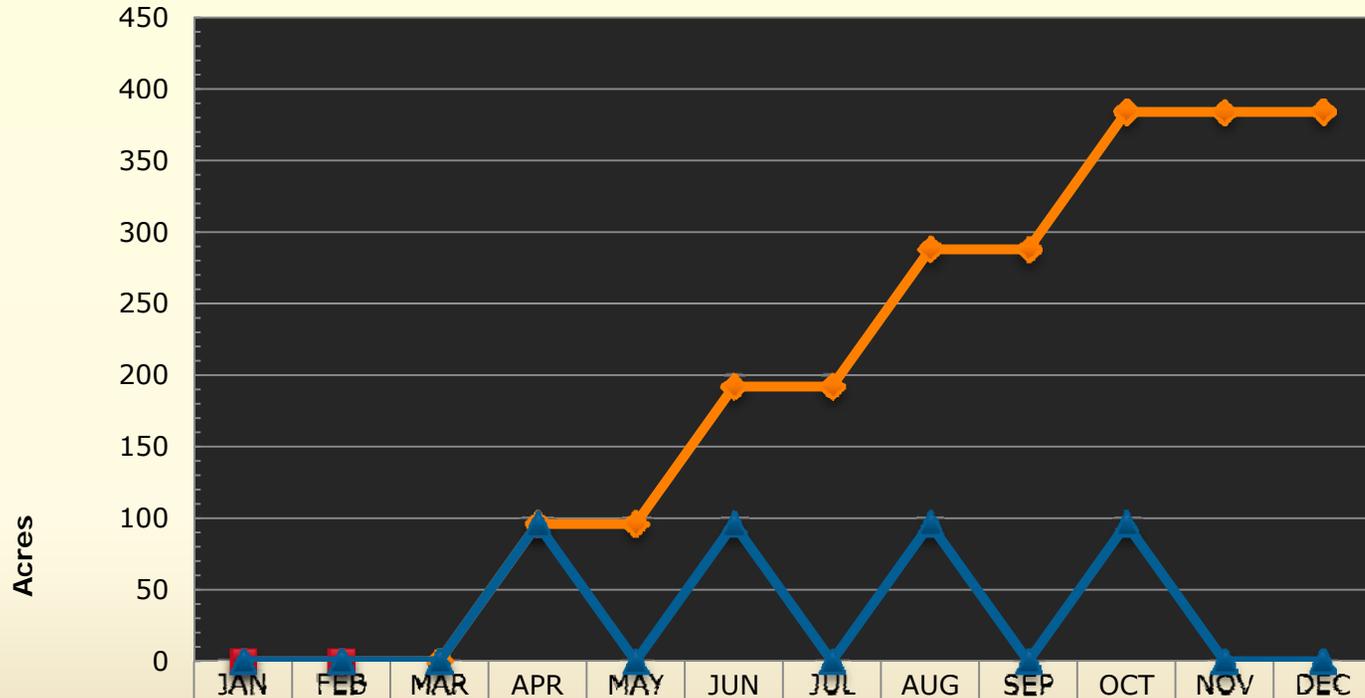
—◆— Cumulative Planned	0	0	0	0	0	5,129	10,258	15,387	15,387	15,387	15,387	15,387
—■— Cumulative Actual	0	114										
—▲— Monthly Planned	0	0	0	0	0	5,129	5,129	5,129	0	0	0	0

# TRAFFIC MAINTENANCE



# RIGHT-OF-WAY MAINTENANCE

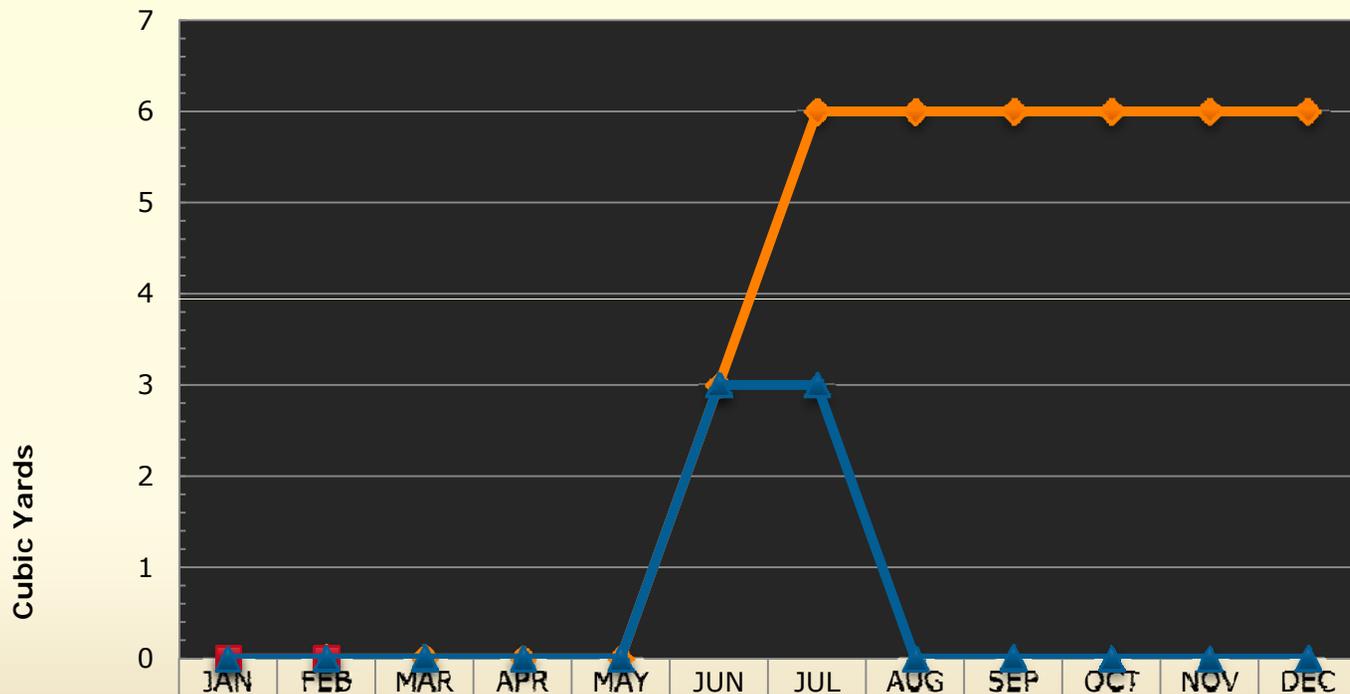
## Weed and Debris Control



—◆— Cumulative Planned	0	0	0	96	96	192	192	288	288	384	384	384
—■— Cumulative Actual	0	0										
—▲— Monthly Planned	0	0	0	96	0	96	0	96	0	96	0	0

# CONCRETE REPLACEMENT

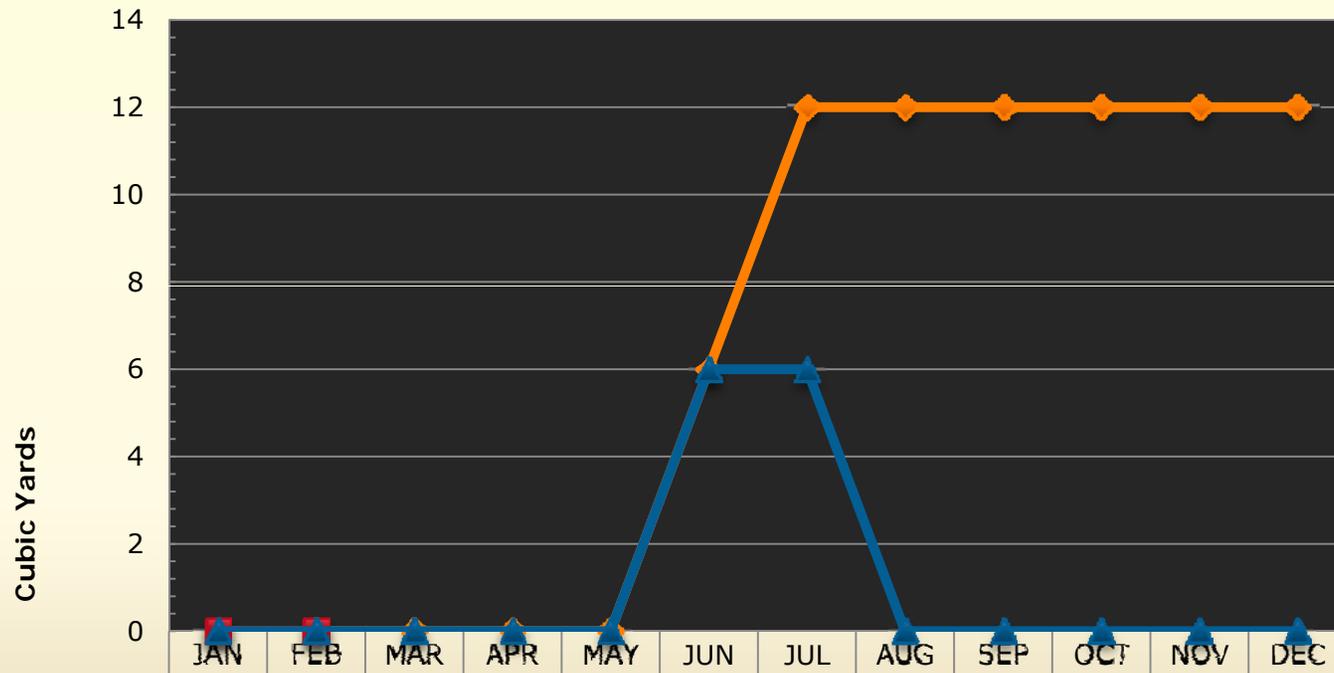
## ADA Ramps



—◆— Cumulative Planned	0	0	0	0	0	3	6	6	6	6	6	6
—■— Cumulative Actual	0	0										
—▲— Monthly Planned	0	0	0	0	0	3	3	0	0	0	0	0

# CONCRETE REPLACEMENT

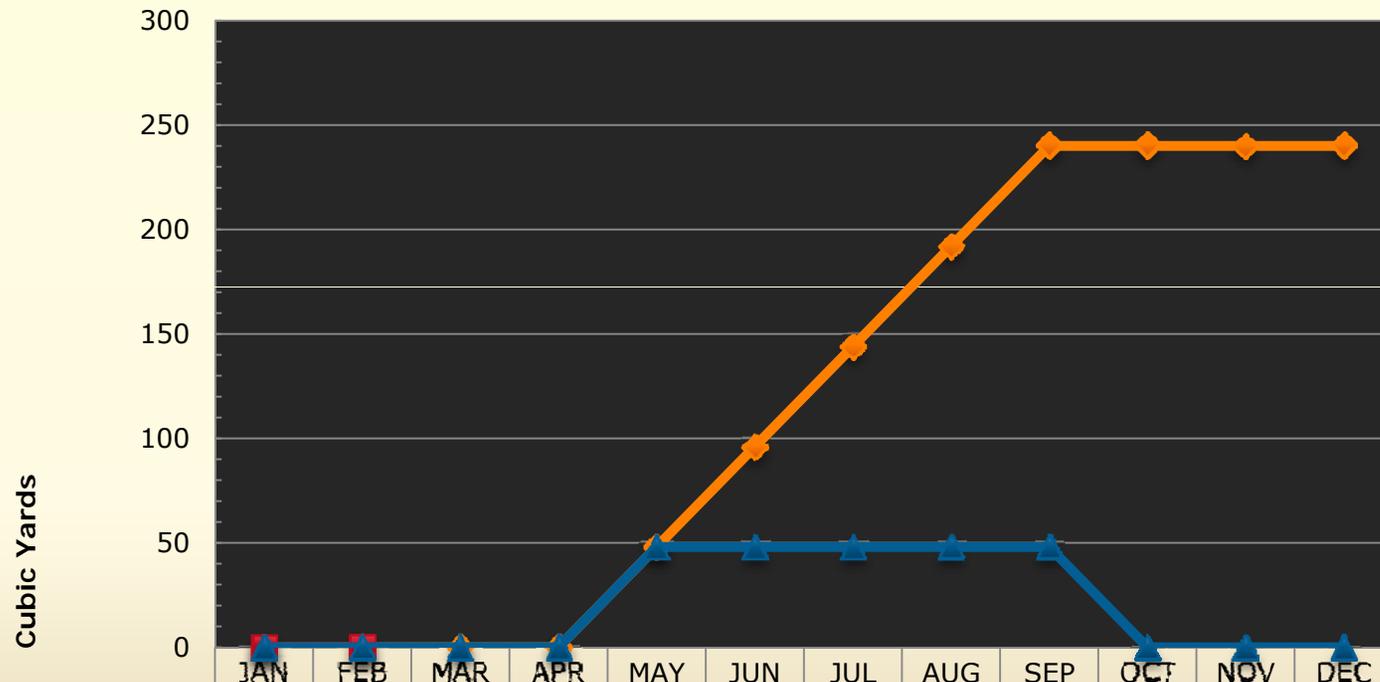
## Crosspans and Aprons



—◆— Cumulative Planned	0	0	0	0	0	6	12	12	12	12	12	12
—■— Cumulative Actual	0	0										
—▲— Monthly Planned	0	0	0	0	0	6	6	0	0	0	0	0

# CONCRETE REPLACEMENT

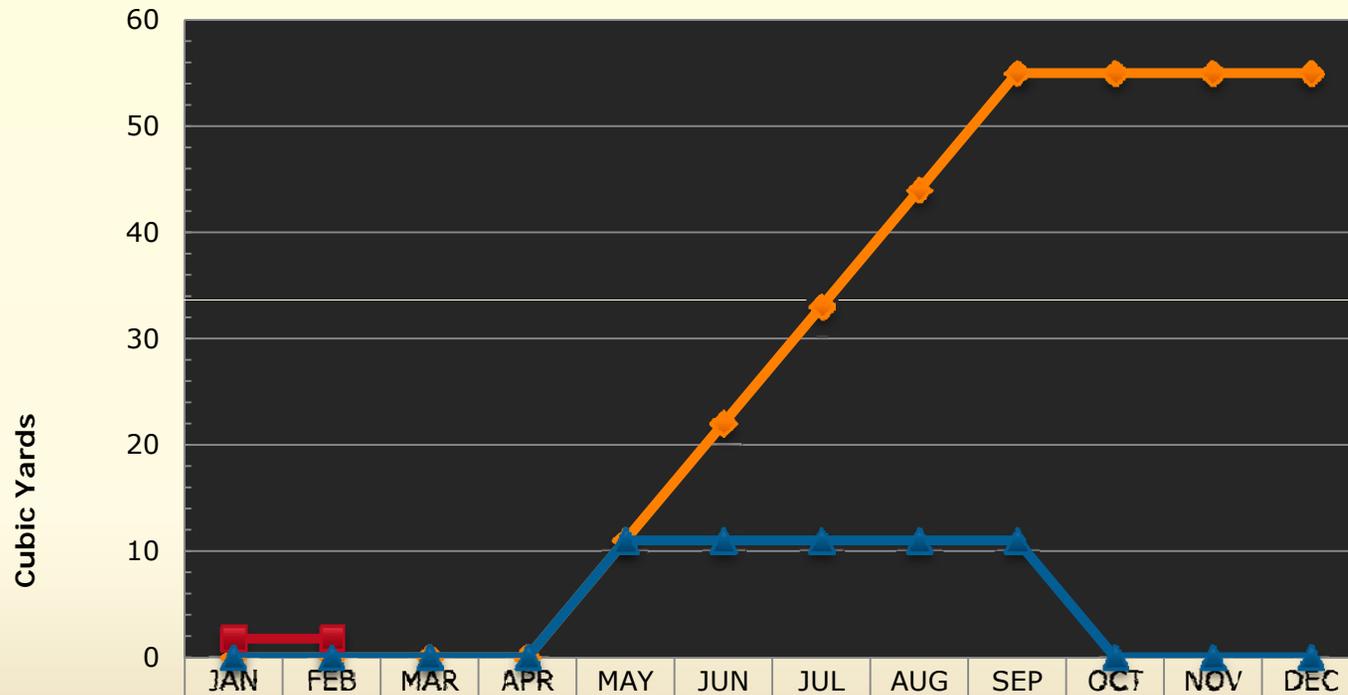
## Curb, Gutter and Sidewalk Combination



—◆— Cumulative Planned	0	0	0	0	48	96	144	192	240	240	240	240
—■— Cumulative Actual	0	0										
—▲— Monthly Planned	0	0	0	0	48	48	48	48	48	0	0	0

# CONCRETE REPLACEMENT

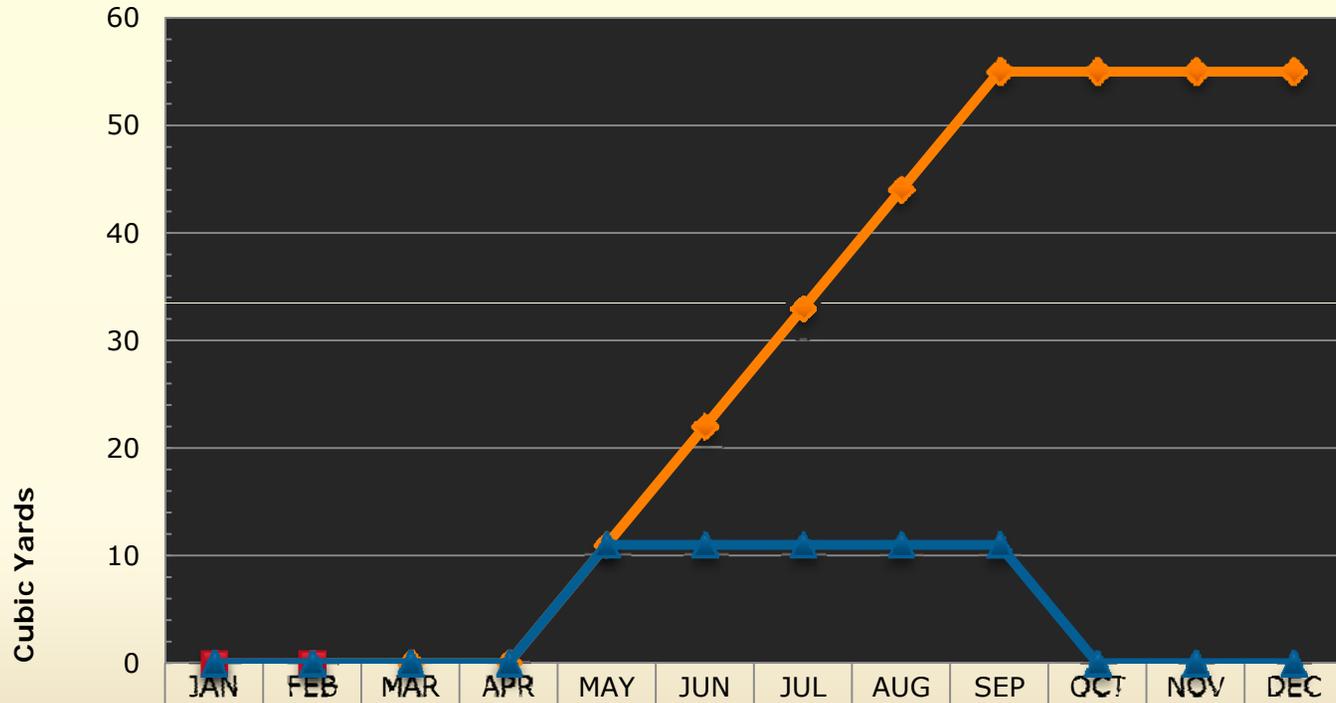
## Curb and Gutter



—◆— Cumulative Planned	0	0	0	0	11	22	33	44	55	55	55	55
—■— Cumulative Actual	1.75	1.75										
—▲— Monthly Planned	0	0	0	0	11	11	11	11	11	0	0	0

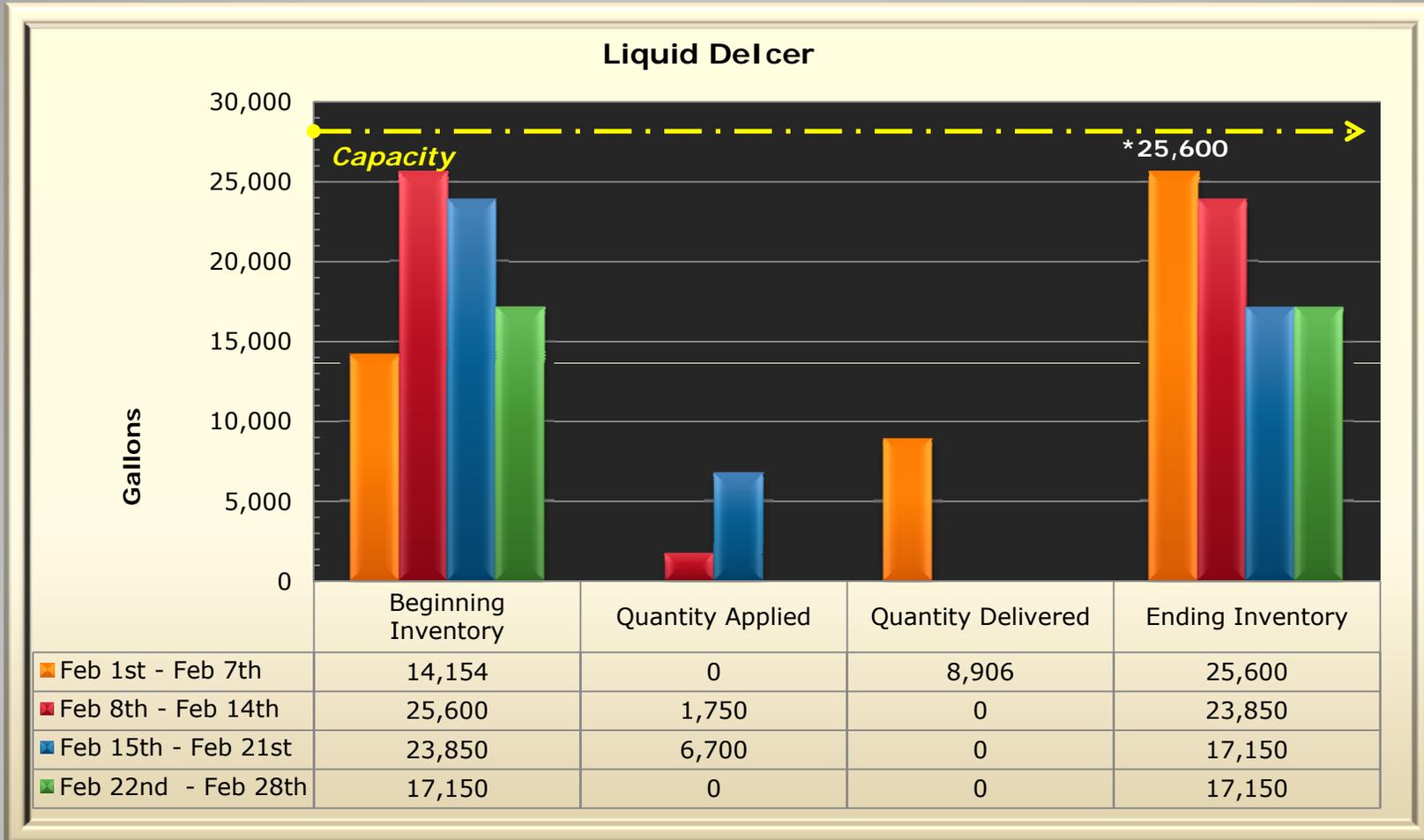
# CONCRETE REPLACEMENT

## Sidewalk



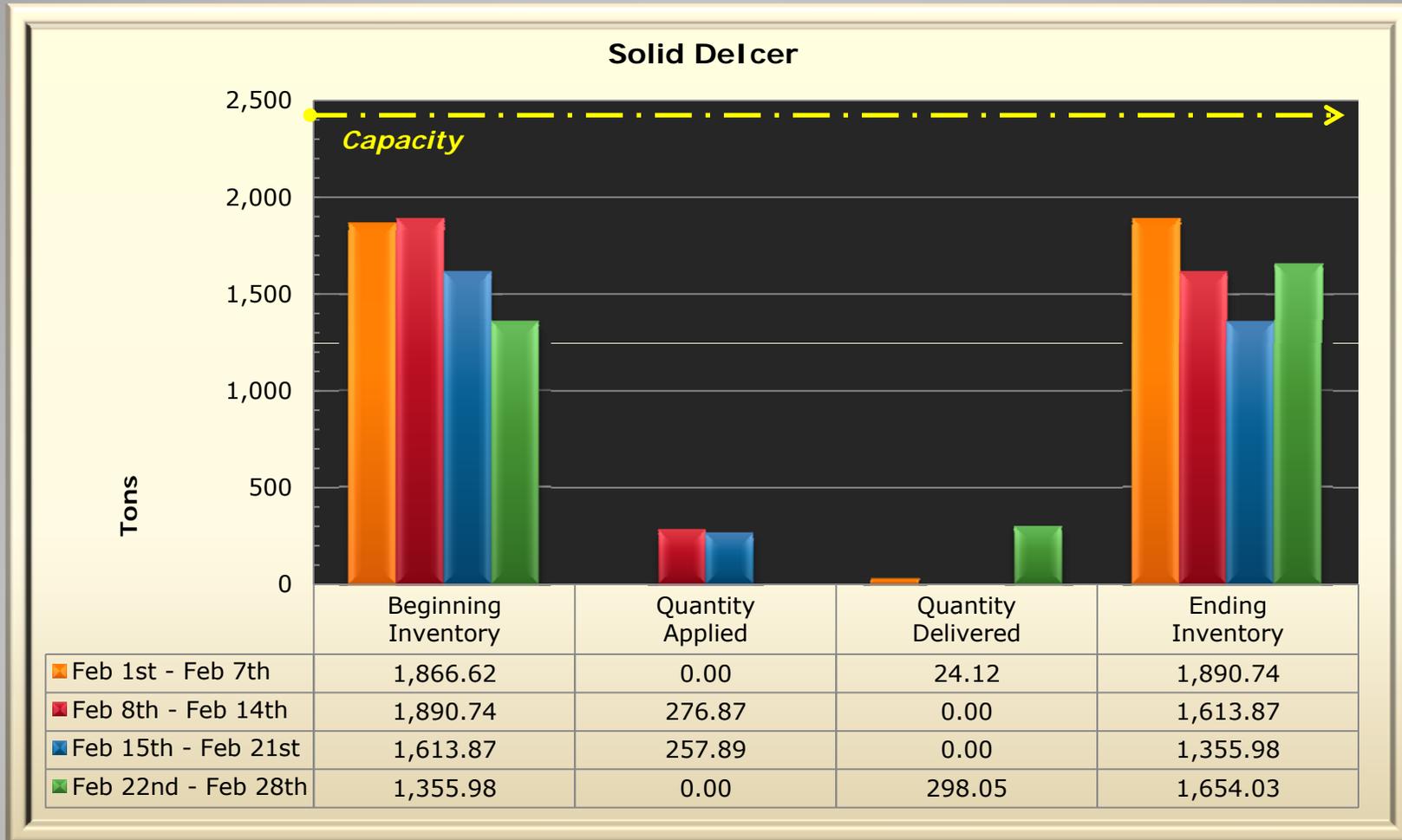
—◆— Cumulative Planned	0	0	0	0	11	22	33	44	55	55	55	55
—■— Cumulative Actual	0	0										
—▲— Monthly Planned	0	0	0	0	11	11	11	11	11	0	0	0

# MATERIAL INVENTORY



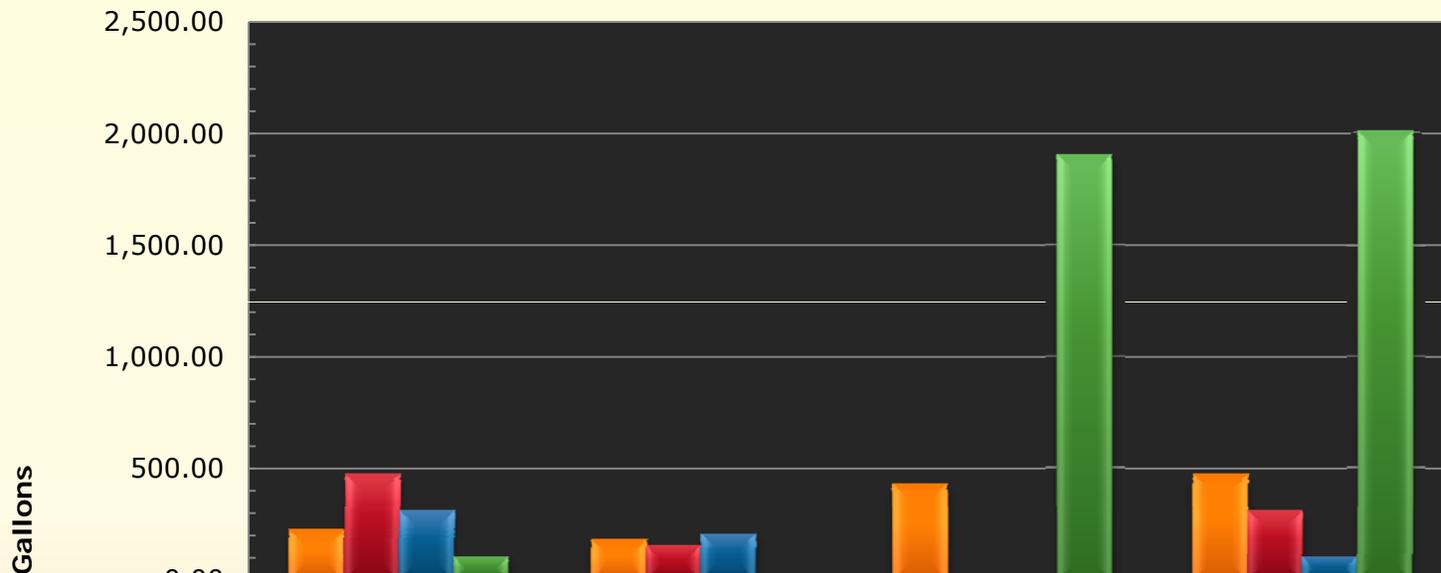
\*Quantity includes January material reconciliation with an amount of 2,540 on 2/6/09

# MATERIAL INVENTORY



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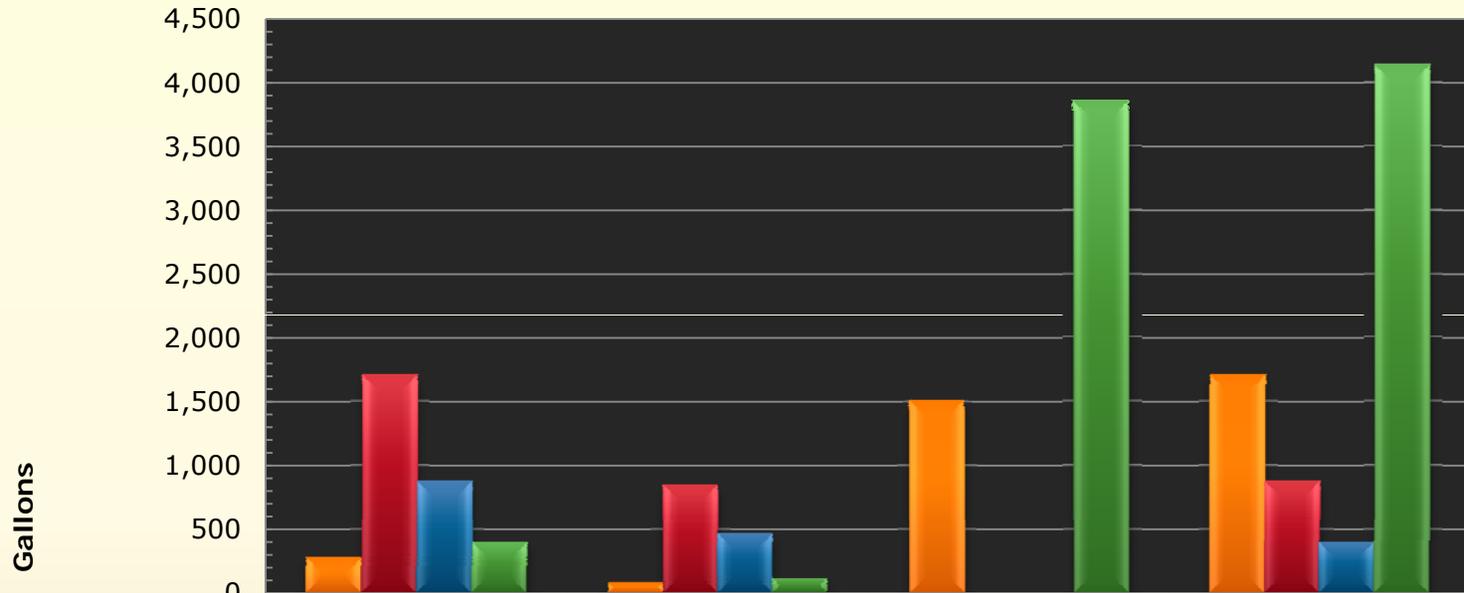
## Unleaded Fuel



	Beginning Inventory	Quantity Used	Quantity Delivered	Ending Inventory
■ Feb 1st - Feb 7th	224.90	182.60	426.00	468.30
■ Feb 8th - Feb 14th	468.30	154.80	0.00	313.50
■ Feb 15th - Feb 21st	313.50	209.10	0.00	104.40
■ Feb 22nd - Feb 28th	104.40	0.00	1,900.00	2,004.40

# MATERIAL INVENTORY

## Diesel Fuel



	Beginning Inventory	Quantity Used	Quantity Delivered	Ending Inventory
■ Feb 1st - Feb 7th	277.70	81.10	1,500.00	1,696.60
■ Feb 8th - Feb 14th	1,696.60	834.30	0.00	862.30
■ Feb 15th - Feb 21st	862.30	466.00	0.00	396.30
■ Feb 22nd - Feb 28th	396.30	115.20	3,850.00	4,131.10

## A LOOK AHEAD

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- Pothole patching is continuous and because of the warmer weather, hot mix asphalt will be utilized to repair potholes.
- Replacement of signs with low reflectivity will continue in March as well as repairing any damaged signs as needed.
- Minor bridge maintenance work will begin in March and will continue through the year.
- Shoulder grading work is planned for March to include installation of several delineator posts as required for traffic safety.
- The concrete replacement program will begin in March, which is ahead of schedule due to favorable weather.
- RFQ to be advertised for non-destructive testing of traffic signal poles.
- Follow-up meeting to be held with Fox Ridge-Mineral neighborhood for 2008 NTMP.
- Begin data input in accident analysis software and generate collision diagrams.
- Complete inventory of equipment at all traffic signals.
- Complete speed studies on Yosemite, Dry Creek to County Line, and on Arapahoe, Waco to Himalaya.