

Michigan Intelligent Transportation Systems Center

Serving the Southeast Michigan Freeways
www.michigan.gov/its

December 2008



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In the Spotlight



Just in time for harsh winter driving conditions, a new feature recently added to the Mi Drive Web site is the capability to personalize up to nine camera views showing your commute or other frequently traveled routes. To access this free tool, go to www.michigan.gov/drive and follow these instructions. Know before you go!



1. Click on
"Construction & Traffic"



2. Click on
"Detroit Traffic Cameras"



3. Click on
"My Cameras"

Compiled by:
URS

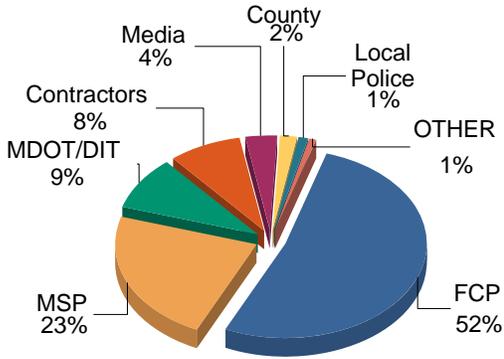
Summary

Data Key

Dec. 2008

Call Card		Total Assists
Freeway Courtesy Patrol (FCP) drivers fill out information on data cards for each stop (abandoned vehicles), assist (occupied vehicles, debris, accidents, etc.), and tow.		4,047
Call Tracking		Total Calls
Operators manually enter all incoming and outgoing control room calls, including two-way communications, select Michigan State Police (MSP) Computer Aided Dispatch entries, and high-impact incident notifications.		5,057
Mi Drive Web Site		Total Page Views
Operators inform media and general public about current incident information such as lane closures and road construction. Real-time camera images are also available.		239,271
Advanced Traffic Management System		Total Incidents
Data is entered into the Advanced Traffic Management System in order to send messages to Dynamic Message Signs (DMS) and to post incidents on the Web site.		711
Quality Assurance/Quality Control		All High-Impact Incidents
Comprehensive and systematic quality assurance/quality control audit of freeway operations including messaging and high-impact notifications (freeway closures, lane closures where only one lane is open, and freeway to freeway ramp closures).		100%
MaintStar		System Availability
MaintStar manages maintenance issues for all Intelligent Transportation System (ITS) equipment, including Dynamic Message Signs (DMS) and Closed-Circuit Television (CCTV) cameras, and tracks work orders and overall ITS performance.		DMS: 86% CCTV: 92%

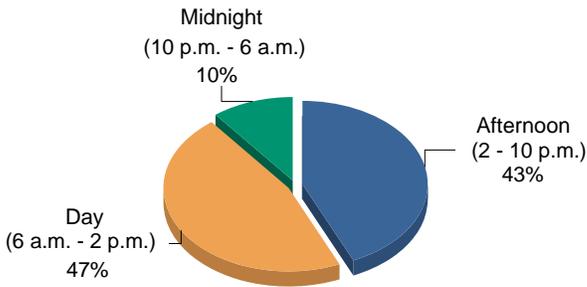
Calls by Type



Total Calls: 5,057

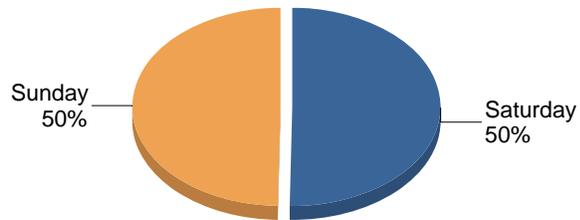
Agency	No. of Calls
FCP	2,633
Contractors	421
City	5
County	102
Federal	0
Fire	0
Local Police	51
MSP	1,144
Border	1
MDOT/DIT	463
Media	185
Special Events	0
Transit	3
Parking	0
Airport	4
Animals	0
OTHER	45
Total	5,057

Calls by Weekday Shift



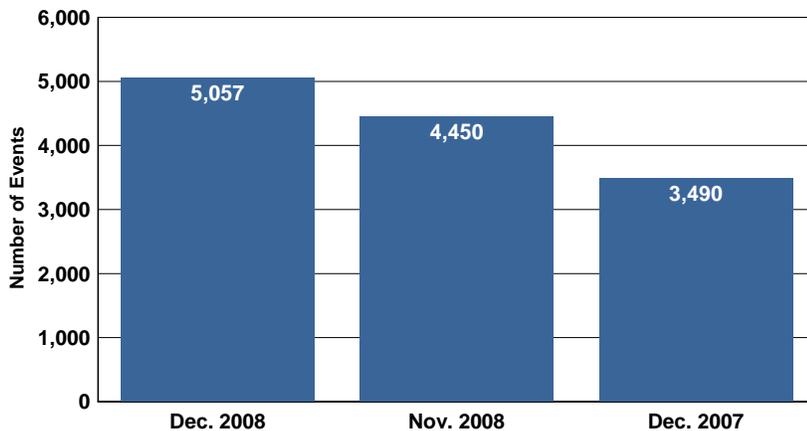
Average number of Calls per Weekday: 181

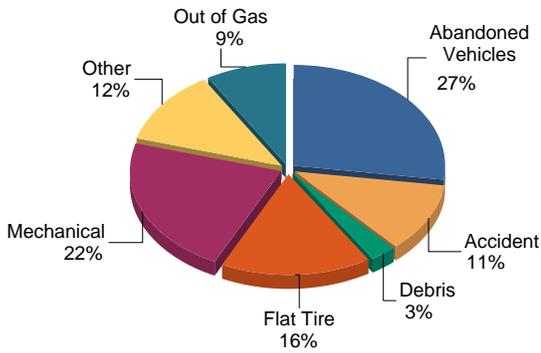
Calls by Weekend Day



Average number of Calls per Weekend: 225

Monthly Event History



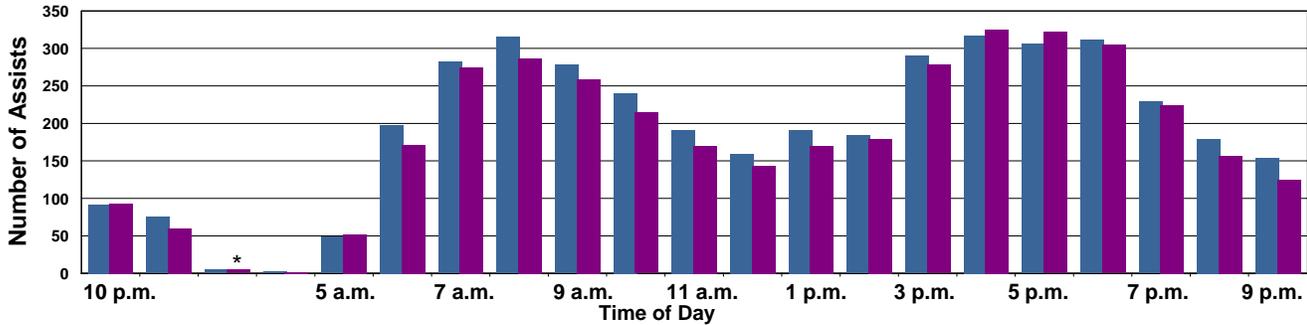


December Total: 4,047

2,941 Assists

1,106 Abandoned Vehicle Stops

FCP Assists by Time of Day



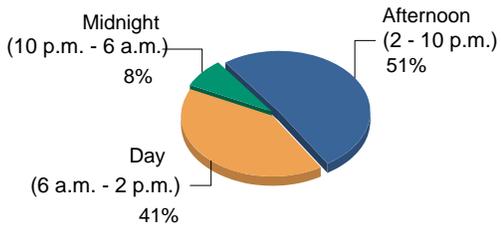
* FCP coverage hours adjusted for Gateway Project, no scheduled coverage from 12 - 5 a.m.

■ Monthly (assists per hr) ■ Monthly Fiscal Year-to-Date (FYTD) Average (assists per hr)

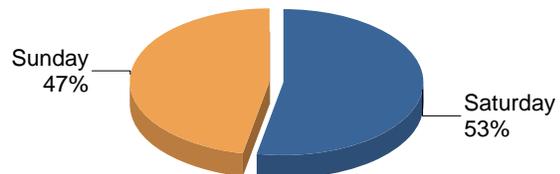
FCP Dispatches by Weekday Shift



FCP Dispatches by Weekend Day

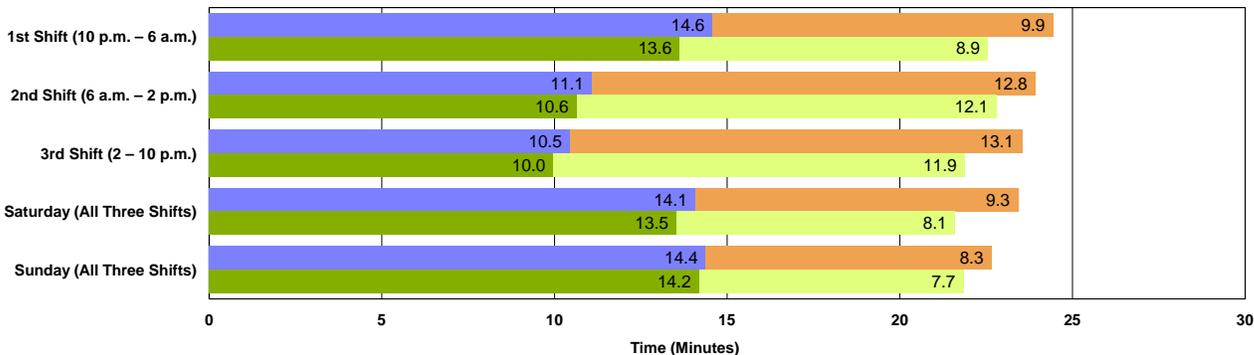


Average Number of Dispatches per Weekday: 31



Average Number of Dispatches per Weekend: 36

FCP Average Service Times



■ Current Month Average Resonse Times ■ Monthly FYTD Average Response Times ■ Current Month Average Clear Times ■ Monthly FYTD Average Clear Times





Motorist Quote of the Month

"I found myself stranded on northbound I-275 about 2 p.m. yesterday (12/8/08) and was found by one of your drivers.

I was getting very cold while waiting for a tow truck, and your driver gave me a ride back to my trip originating point.

I wanted to thank everyone, and let you know that the driver was very professional and pleasant.

Keep up the good work."

Courtesy
Patrol



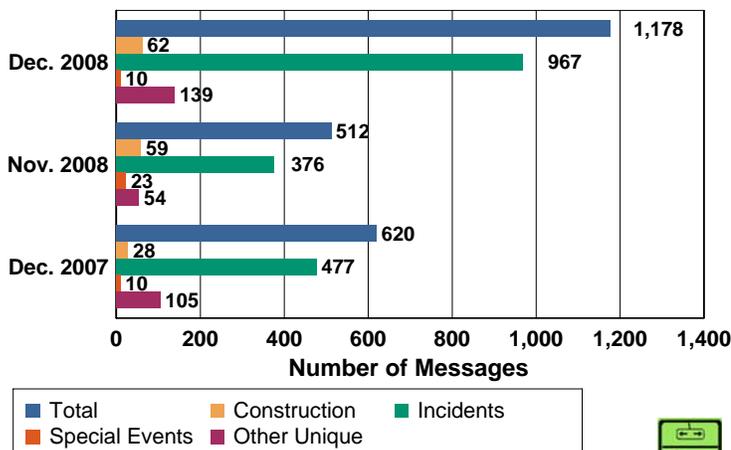
Freeway Segment	TOTAL ASSISTS (miles)	ASSISTS PER MILE		AVERAGE RESPONSE TIME (min)		AVERAGE CLEAR TIME (min)	
		Dec. 2008	FYTD 2008 Avg.	Dec. 2008	FYTD Avg.	Dec. 2008	FYTD Avg.
I-75							
Oakland County Line to I-696	37.0	388	354.7	10.5	9.6	18.5	19.4
I-696 to I-94	8.0	244	234.3	30.5	29.3	8.0	7.8
I-94 to I-96	5.6	82	63.7	14.6	11.4	10.8	11.0
I-96 to I-275	37.0	166	153.0	4.5	4.1	12.1	12.1
I-94	87.6	880	805.7	10.0	9.2	12.4	12.8
Washtenaw County line to M-39	20.7	378	340.7	18.3	16.5	11.1	10.6
M-39 to I-75	9.0	283	275.3	31.4	30.6	11.5	10.2
I-75 to I-696	10.0	324	291.0	32.4	29.1	10.2	10.0
I-696 to St. Clair County Line	21.0	144	132.0	6.9	6.3	11.4	13.1
I-96	60.7	1,129	1,039.0	18.6	17.1	11.0	10.4
Livingston County Line to I-275/I-696	11.0	137	128.0	12.5	11.6	14.1	14.0
I-275/M-14 to M-39	12.0	129	136.3	10.8	11.4	10.0	10.6
M-39 to I-75	11.0	231	234.7	21.0	21.3	10.6	10.5
I-275	34.0	497	499.0	14.6	14.7	11.6	11.6
I-96/I-696 to M-14/I-96	8.0	99	95.0	12.4	11.9	14.8	11.4
M-14/I-96 to I-94	12.0	130	147.3	10.8	12.3	10.6	11.5
I-94 to I-75	17.5	75	68.0	4.3	3.9	21.3	15.6
I-696	37.5	304	310.3	8.1	8.3	13.9	12.0
I-96/I-275 to M-10	9.3	150	126.3	16.1	13.6	12.4	12.0
M-10 to I-75	9.0	142	139.0	15.8	15.4	11.4	9.8
I-75 to I-94	10.4	206	217.0	19.8	20.9	9.5	9.5
I-375	28.7	498	482.3	17.4	16.8	11.0	10.4
M-10 (Lodge)	1.2	7	8.0	5.8	6.7	6.5	7.5
M-14	17.9	324	317.3	18.1	17.7	9.3	9.1
M-39 (Southfield)	6.4	66	50.7	10.3	7.9	11.4	11.8
M-5 (Grand River)	14.2	230	193.7	16.2	13.6	13.1	12.5
M-8 (Davison)	10.3	29	39.3	2.8	3.8	15.3	11.8
Total	2.2	83	67.0	37.7	30.5	13.0	9.9
Total	300.7	4,047	3,812.3				

Most Utilized DMS

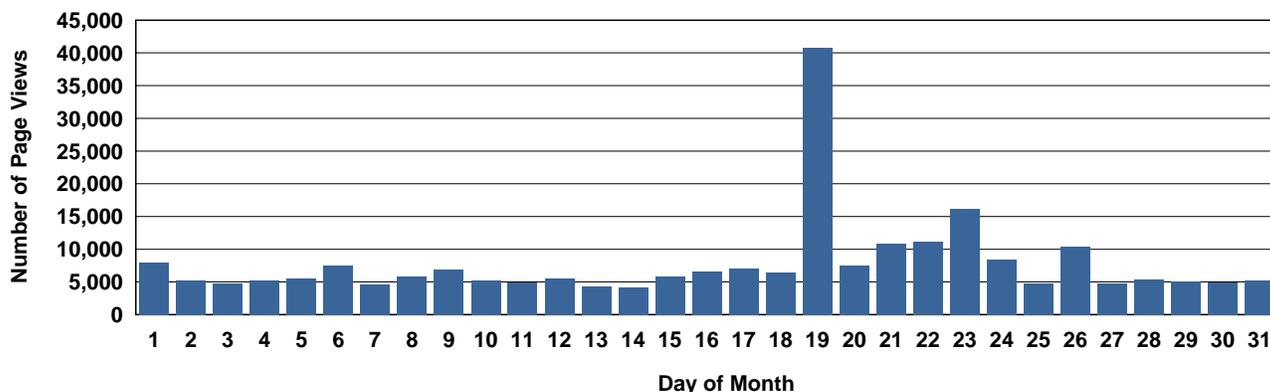


1. I-696 WB at Ryan
2. I-375 NB at Gratiot
3. M-10 NB at Porter
4. I-75 NB at Woodward Hghts.
5. I-94 EB at Central

Unique DMS Messages by Type



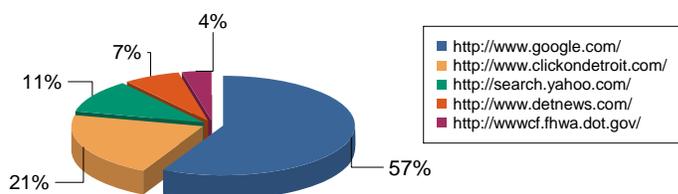
Mi Drive Web Site Daily Page Views



Top 5 Recurring Site Requests to Mi Drive Web Site



In **December**, the Mi Drive Web site experienced the most activity on **Fridays**.



Does not include Michigan.gov requests.

On an average day in **December**, the Mi Drive Web site received the most hits during the **3:00 p.m.** hour.

Incident Communication Accuracy



Weekend DMS Snapshot Review	Dec. 2008	Nov. 2008	Dec. 2007
All Incident Messages	100%	100%	100%
High-Impact DMS Messages	Dec. 2008	Nov. 2008	Dec. 2007
All High-Impact Messages	100%	93%	96%
Freeway Closure Messages	100%	95%	100%
Lane Closure Messages	100%	96%	94%
Ramp Closure Messages	100%	78%	100%
Other Communication	Dec. 2008	Nov. 2008	Dec. 2007
Advisory Text-Messages	99%	92%	96%
Web Site Incident Postings	97%	92%	98%

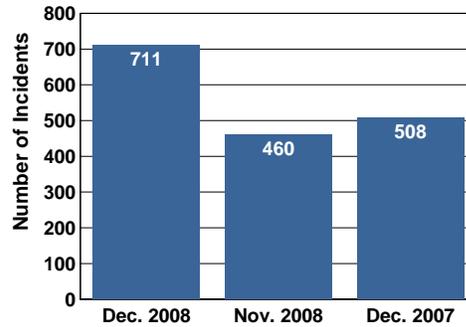


Total Incidents by Roadway

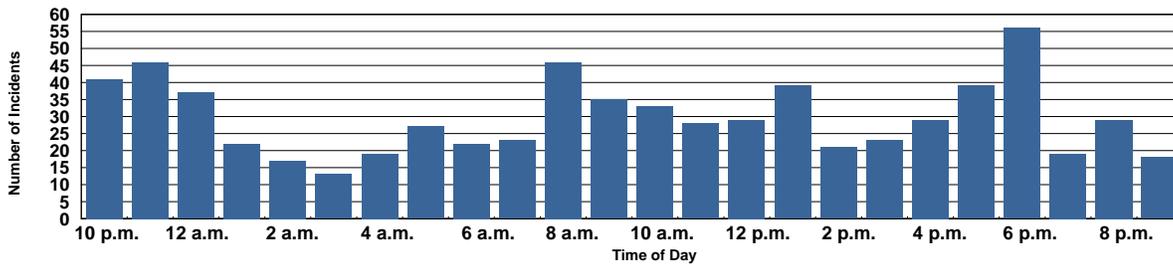


Freeway	Dec. 2008	Nov. 2008	Dec. 2007
I-75	143	100	126
I-94	171	116	123
I-696 (Reuther)	116	58	90
I-96	80	56	57
M-10 (Lodge)	49	37	34
M-39 (Southfield)	83	45	47
I-275	68	48	31
I-375	1	0	0
Total	711	460	508

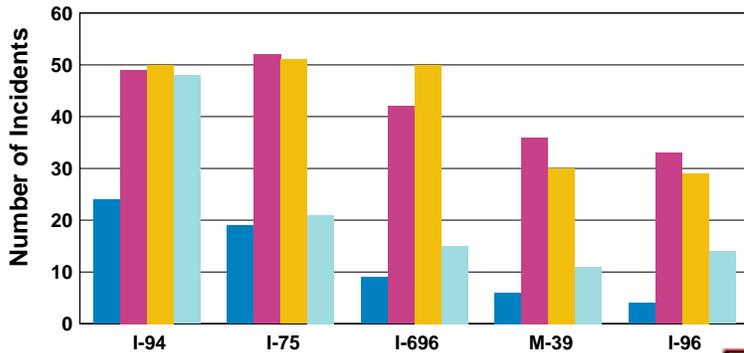
Total Number of Incidents



Total Incidents per Hour

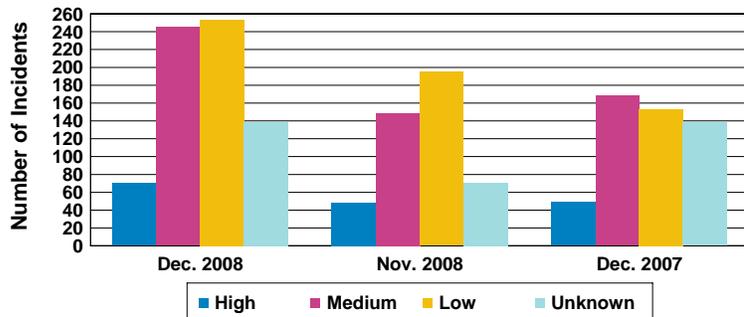


Severity/Duration by Top 5 Freeways



- Single lane closure equal to 90+ minutes, partial closure (more than one lane, but not all) equal to 45+ minutes, or total closure (all lanes) 20+ minutes
- Shoulder closures equal to 90+ minutes, single lane closures between 20 and 89 minutes, partial closure (more than one lane but not all) between 20 and 44 minutes, and total closure (all lanes) less than 20 minutes
- Shoulder closures less than 90 minutes, single lane closure or partial closure (more than one lane, but not all) less than 20 minutes
- The duration and/or severity is unknown

Total Incident Severity/Duration by Month



High-Impact Incident Activity

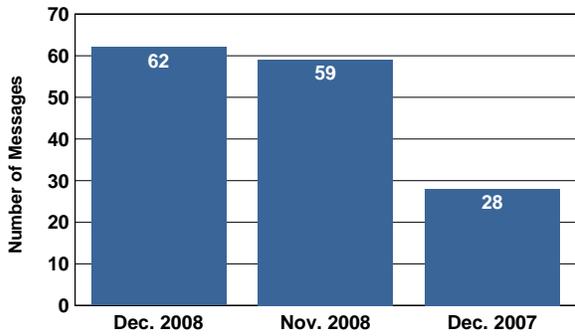


	Dec. 2008	Nov. 2008	Dec. 2007
Freeway Closures	35	20	16
Lane Closures	63	50	31
Ramp Closures	22	10	4
Total	120	80	51

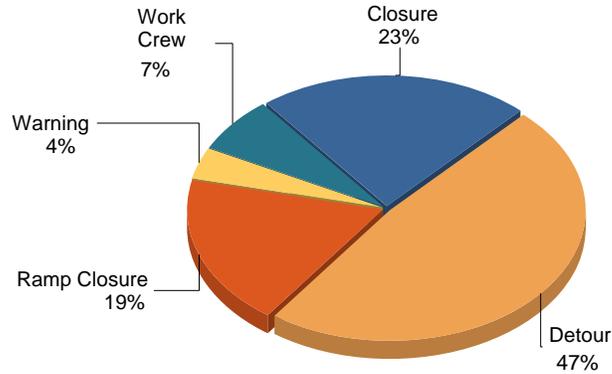
High-impact incidents account for **17%** of the total incidents for the month of December.



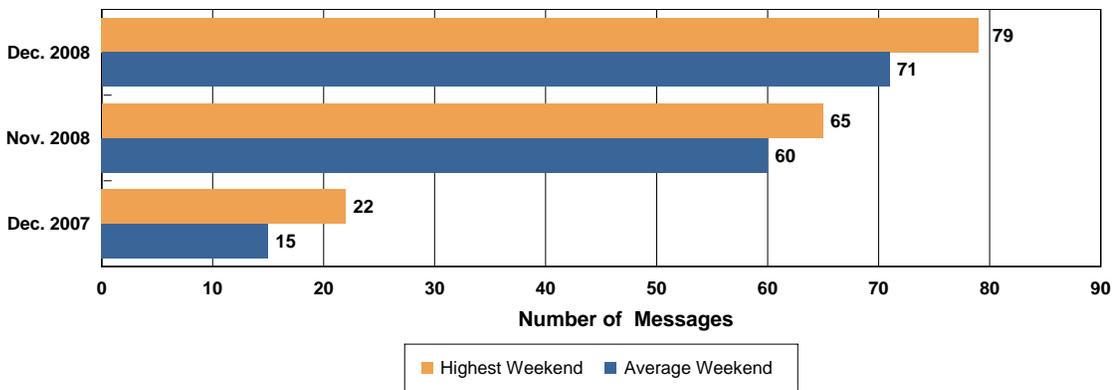
Unique Construction Messages



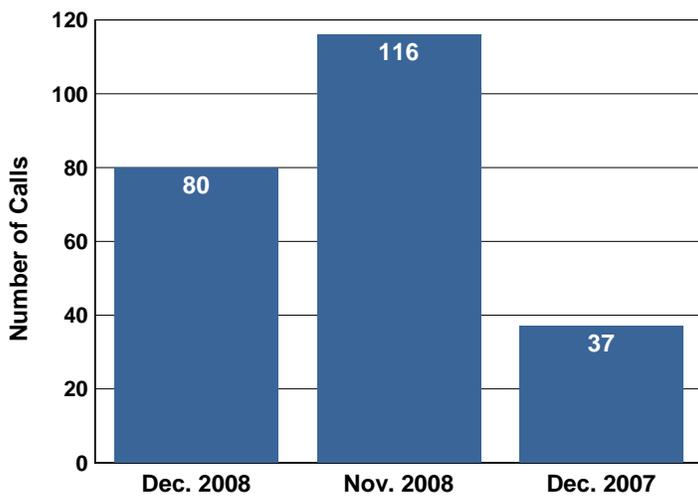
Highest Weekend Unique Construction Messages



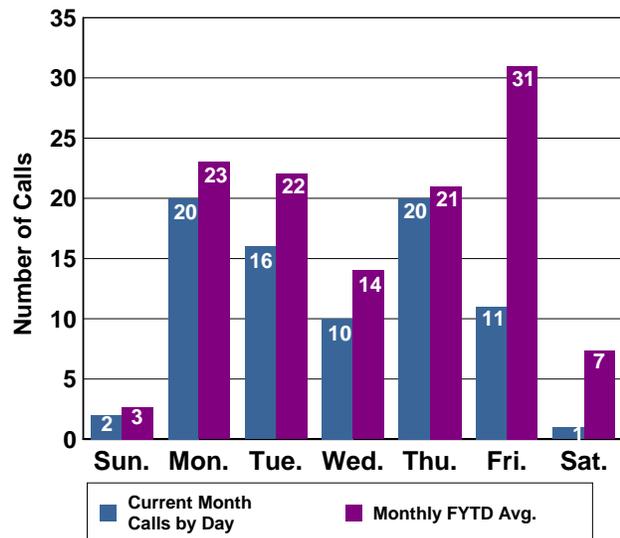
Weekend Construction DMS Message Activity



Total Construction Calls Per Month



Construction Calls by Day



Construction Activity



DMS Availability

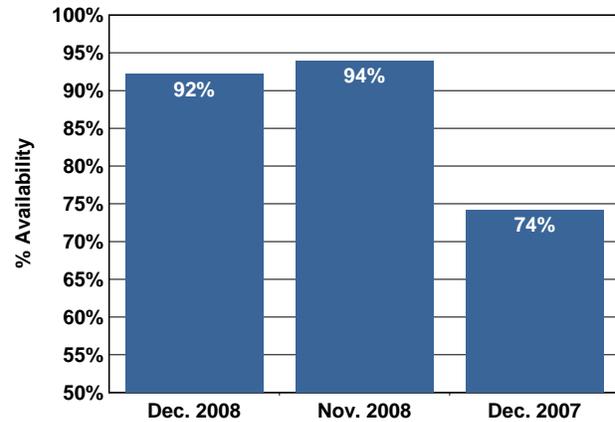
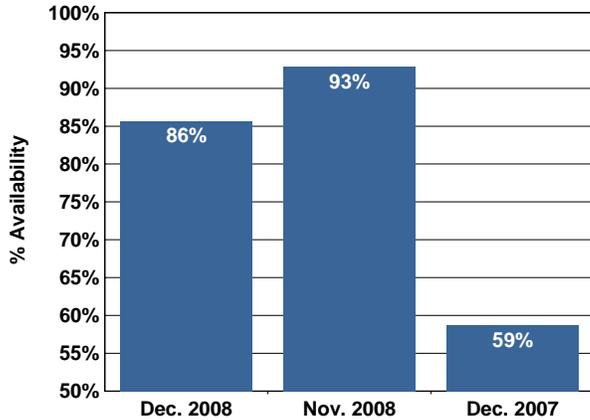


	Dec. 2008	Nov. 2008	Dec. 2007
Available	54	58	37
Not Available	9	5	26
Total	63	63	63

CCTV Camera Availability



	Dec. 2008	Nov. 2008	Dec. 2007
Available	153	156	123
Not Available	13	10	43
Total	166	166	166



Equipment Upgrades



Equipment Type	Maintenance Activity
CCTV	
I-96 @ Farmington	Replaced camera with single dome camera
I-75 @ Caniff	Replaced camera with single dome camera
I-75 @ Nevada	Replaced camera with single dome camera
TOTAL	3
DMS	
No equipment upgrades	N/A
TOTAL	0

