

West Michigan Transportation Operations Center

Serving Motorists Across West Michigan

www.michigan.gov/its

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March 2013



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In the Spotlight



Since 2011, the WMTOC and the MDOT Grand Region have used an e-mail "Listserv" system to send out notifications about traffic incident and construction projects. This system simplified the process of e-mailing notifications to media partners, first responders, the general public, and other stakeholders. By 2012, the number of Listserv subscribers had increased to approximately 1,900.

Recently, MDOT and other state agencies switched to a new messaging system called GovDelivery. This system has many helpful features, including the ability to deliver photos, a greater number of topics for subscribers to subscribe to, and multiple ways to receive messages, such as Facebook or Twitter.

Current Listserv subscribers have been migrated into the GovDelivery system and can manage their subscriptions by going to the MDOT Web site at www.michigan.gov/mdot and clicking on the "Sign up for email from MDOT" icon. New subscribers can follow the same process to sign up for GovDelivery.

The GovDelivery system is currently being used by the Governor's Office, MDOT, Pure Michigan, and the Department of Natural Resources. In the near future, all State of Michigan agencies will be using GovDelivery.

Compiled by:
URS

WMTOC Control Room

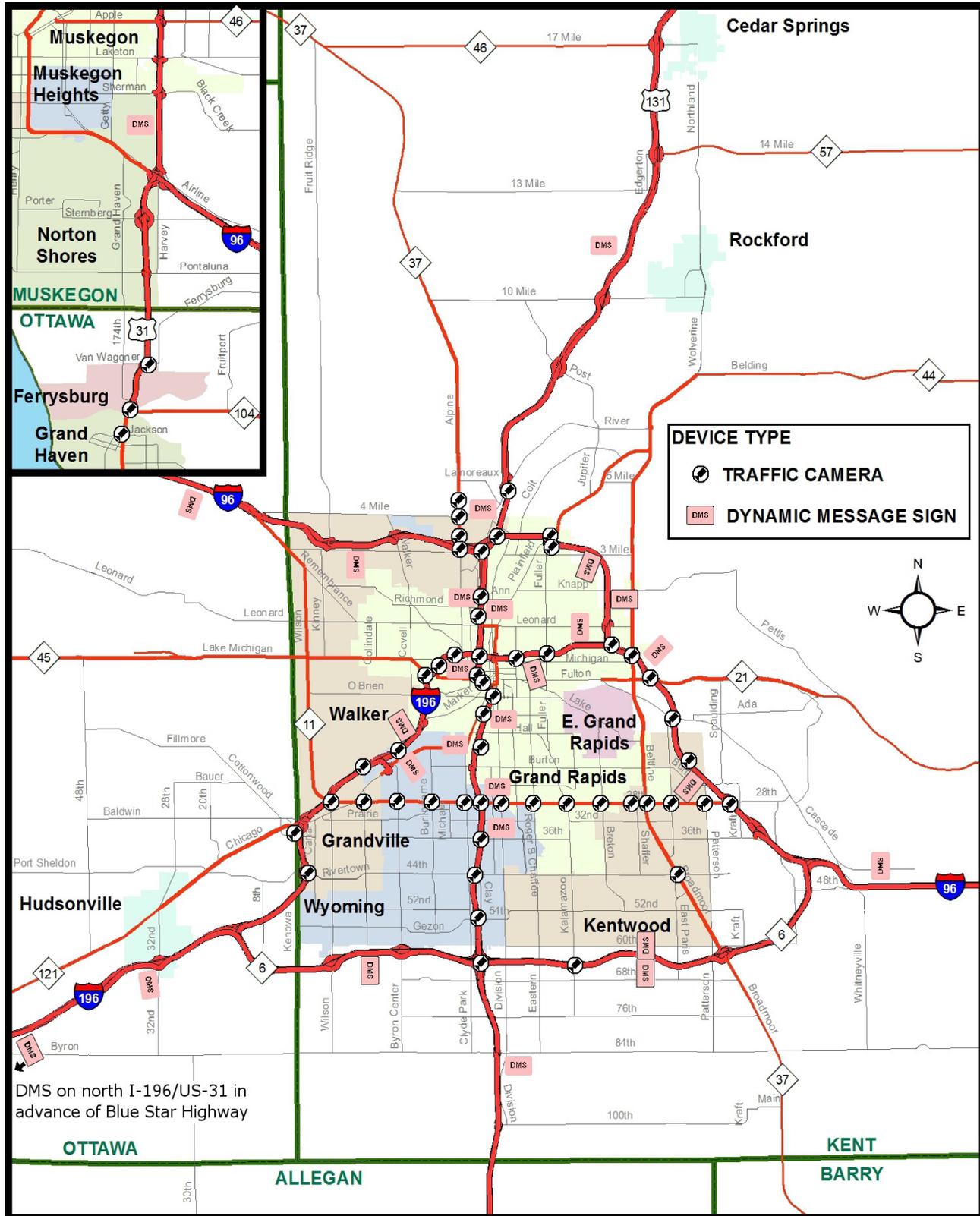
Hours of Operation

Days	Hours
Monday – Thursday	6 a.m. – 8 p.m.
Friday	6 a.m. – 9 p.m.
Saturday – Sunday	Noon – 8 p.m.
Special Events and Holidays	As needed

Contact Information

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ITS Device Locations and Coverage Area



Summary

Data Key

March 2013

WMTOC Communications Activity



Operators log all incoming and outgoing control room communications, engaging various incident responders and stakeholders.

Total Communication

Calls: 267
E-mails: 315

Quality Assurance/Quality Control



Quality assurance and quality control audit of format and content for incident notification communication and media traffic reporting.

Incident Notification

Format Correct 100.0%
Content Correct 90.3%

Unplanned Incidents



Operators log information about each unplanned incident including date/time, location, traffic impact, duration, and associated traveler information.

Total Incidents

80

Construction Activity



Operators maintain a list of ongoing construction projects and contacts for these projects. This activity also includes maintenance operations.

Incidents Occurring in Work Zones

0

Daily Shift Report



Operators track maintenance issues for all Intelligent Transportation Systems (ITS) equipment, including Closed-circuit Television (CCTV) cameras, Microwave Vehicle Detector Systems (MVDS), Dynamic Message Signs (DMS), and Variable Speed Signs (VSS).

System Availability

CCTV: 85%
MVDS: 79%
DMS: 97%
VSS: 88%

PLEASE NOTE:

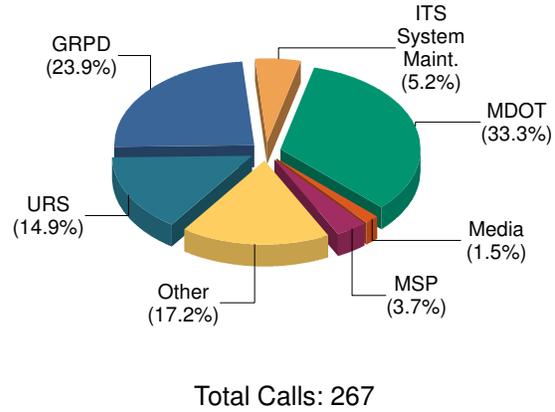
The following report is limited to data collected within the ITS device coverage area as seen on previous page.

Calls and E-mails by Type

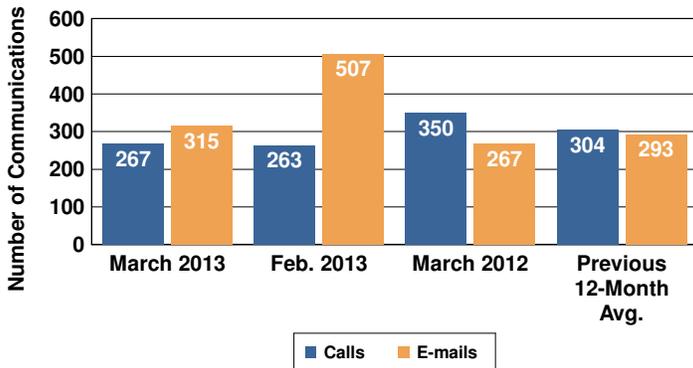


Agency	Calls			E-mails		
	In	Out	Total	In	Out	Total
City of Grand Rapids	0	0	0	25	3	28
Grand Rapids Police Department	4	60	64	0	0	0
ITS System Maintenance	7	7	14	19	1	20
Kent County Road Commission	4	6	10	0	0	0
Kent County Sheriff	0	0	0	0	0	0
Listserv (Traffic Notifications)	0	0	0	43	31	74
MDOT, Construction	3	2	5	13	0	13
MDOT, Maintenance	11	5	16	0	1	1
MDOT, Other	4	0	4	44	4	48
MDOT, Traffic/ITS	7	57	64	25	9	34
Media	2	2	4	0	0	0
Michigan State Police	2	8	10	0	0	0
Nixle	0	0	0	25	0	25
Other	28	8	36	35	0	35
URS Corporation	25	15	40	13	6	19
Weather	0	0	0	18	0	18
Month Total	97	170	267	260	55	315

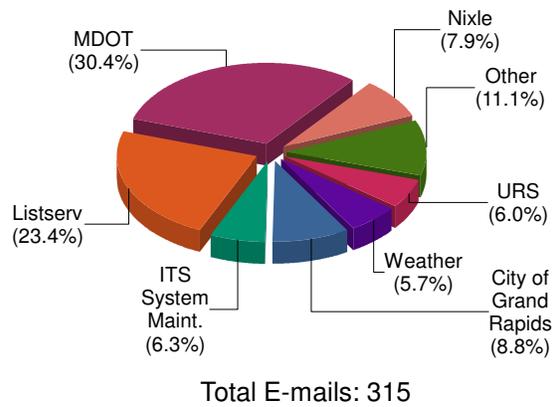
Calls by Type



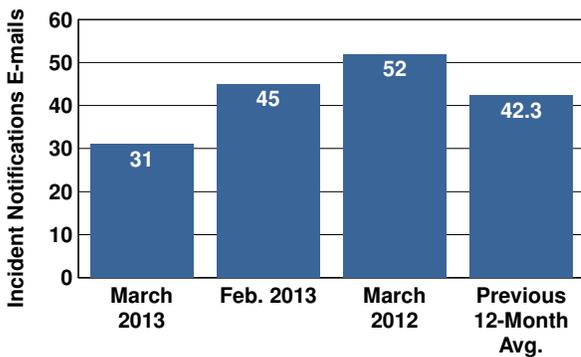
Communication History



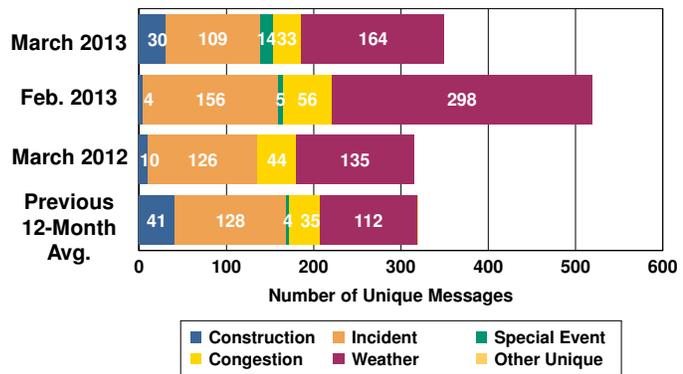
E-mails by Type



Incident Notification* History



DMS and VSS Messages by Type

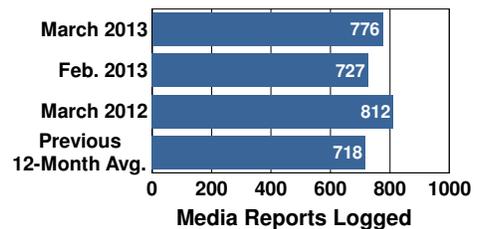


Incident Notification* Communication Accuracy



	March 2013	Feb. 2013	March 2012	Previous 12 Months
Format Correct	100.0%	97.8%	100.0%	97.8%
Content Correct	90.3%	95.6%	98.1%	95.7%

Media Audits

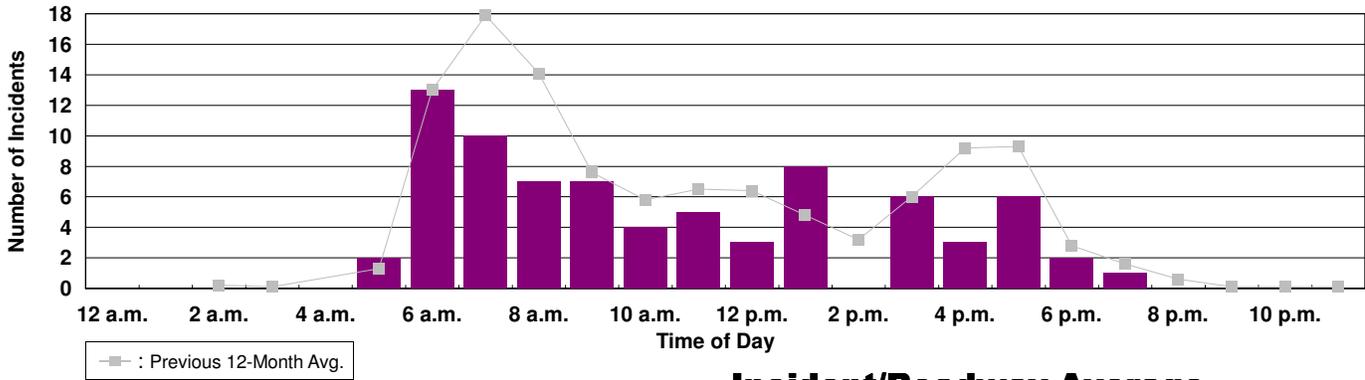


* Incident Notification e-mails are issued for high-impact incidents with an expected duration of 15 minutes or longer.

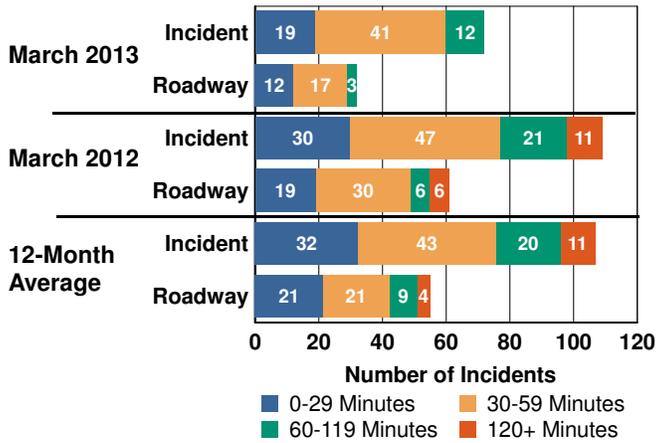
Sign up for e-mail from MDOT!



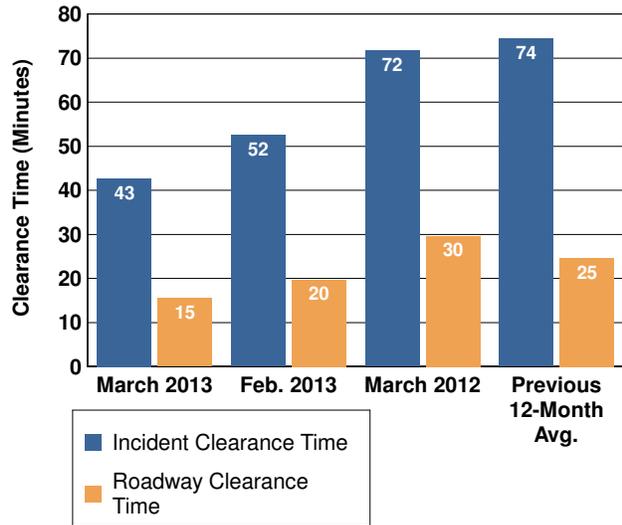
Total of Unplanned Incidents per Weekday Hour



Incident Clearance Details*

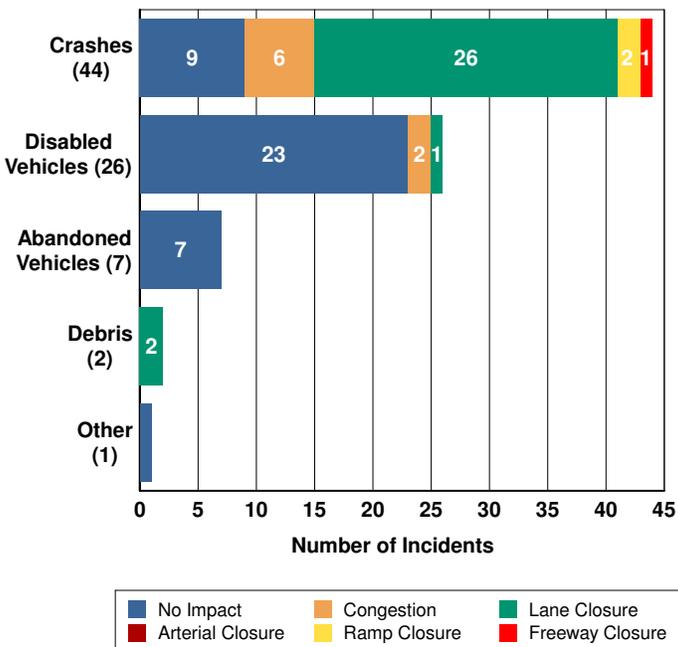


Incident/Roadway Average Clearance Times

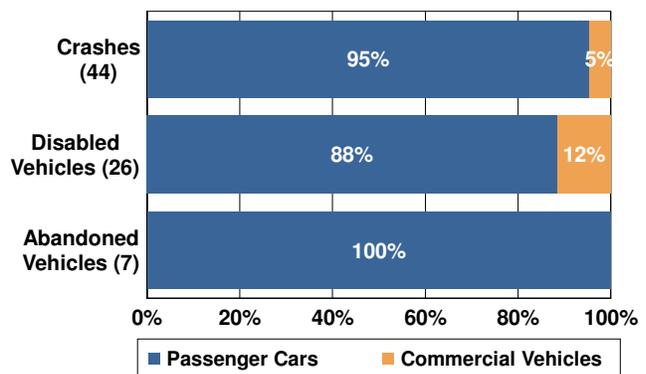


*Incident Clearance Details excludes abandoned vehicles.

Traffic Impacts by Type



Vehicle Composition of Incidents*



*Vehicle Composition of Incidents excludes incidents where vehicle types were not identified.

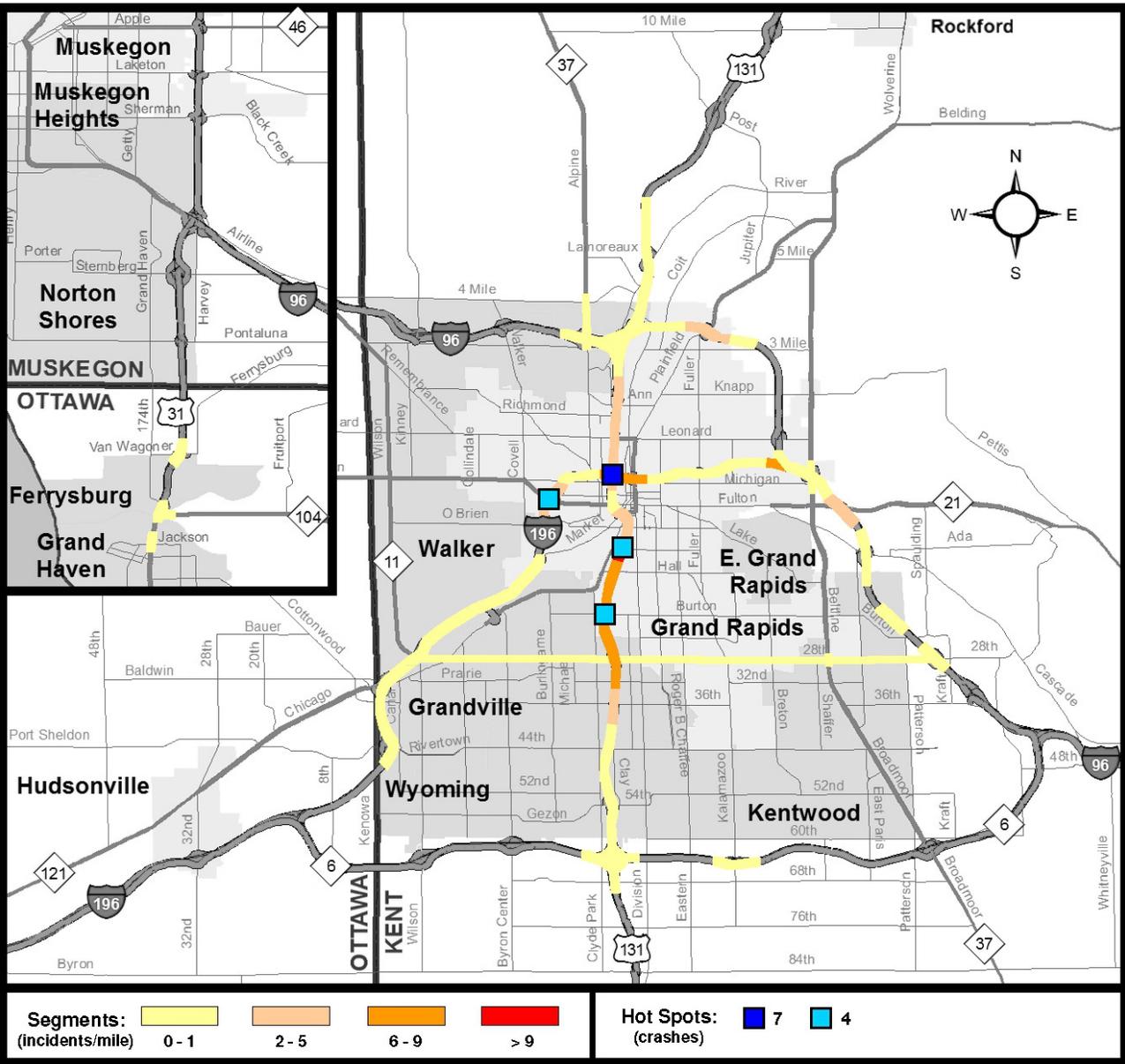
Secondary Crashes



Month	Secondary Crashes	Total Crashes
March 2013	1 (2%)	44



Incident Density and Hot Spots Map



Incident Management



High-impact Unplanned Incident Activity*



Incident Impact	March 2013	Feb. 2013	March 2012	Previous 12-Month Avg.
Lane Closure	29	56	52	46.6
Ramp Closure	2	3	5	3.3
Freeway Closure	1	7	4	4

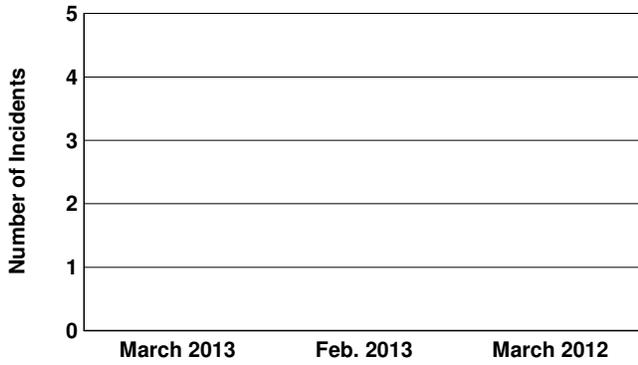
*High-impact Unplanned Incident Activity includes unplanned incidents resulting in closures.

Unplanned Incidents by Roadway within Coverage Area



Freeway/Arterial	March 2013		Feb. 2013		March 2012		Previous 12-Month Avg.	
	Total	per mi.	Total	per mi.	Total	per mi.	Total	per mi.
I-96 (10.6 mi.)	10	0.9	25	2.4	23	2.2	16.2	1.5
I-196 (12.1 mi.)	22	1.8	35	2.9	24	2.0	31.2	2.6
US-131 (15.2 mi.)	43	2.8	71	4.7	68	4.5	59.1	3.9
US-31 (1.7 mi.)	0	0	2	1.2	1	0.6	1.2	0.7
M-6 (4 mi.)	1	0.2	3	0.8	3	0.8	2.2	0.5
M-11 (11.5 mi.)	0	0	1	0.1	-	-	0.7	0.1
Month Total	76	1.4	137	2.5	119	2.2	110.6	2.0

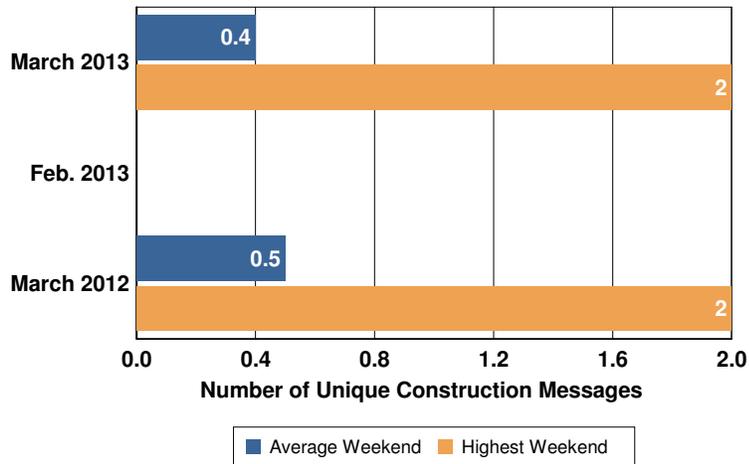
Incidents Occurring in Work Zones



Work Zone Incident Details:

During the month of March, no incidents were identified by operators as being within work zones.

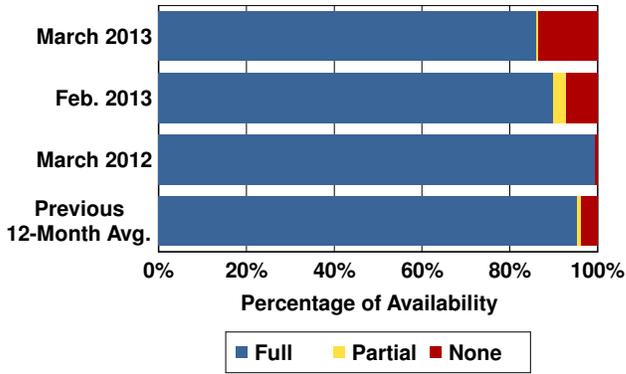
Weekend* Construction DMS Message Activity



* Friday, Saturday and Sunday.



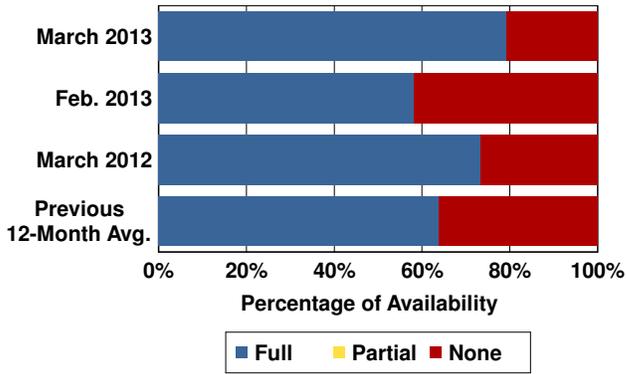
Overall CCTV Camera Availability



Individual CCTV Camera Availability

CCTV Cameras Below 95% Availability			
Location	Full	Partial	None
1. US-131 @ Wealthy St.	-	-	100%
2. I-96 @ Forest Hill Ave.	-	-	100%
3. US-131 @ 44th St.	11%	-	89%
4. I-196 @ Chicago Dr.	27%	-	73%
5. I-96 @ I-196	73%	-	27%
6. I-196 @ Lake Michigan Dr.	73%	-	27%
7. I-196 @ Lane Ave.	73%	-	27%
8. I-196 @ College Ave.	73%	-	27%
9. I-196 @ Fuller Ave.	73%	-	27%
10. I-196 @ M-11 (28th St.)	76%	23%	1%
11. I-196 @ 44th St.	76%	-	24%

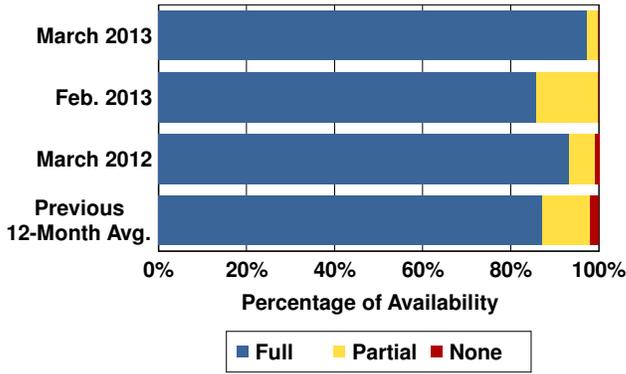
Overall Detector Availability



Individual Detector Availability

Vehicle Detectors Below 95% Availability			
Location	Full	Partial	None
1. 113 - I-196 @ US-131 SB	-	-	100%
2. 114N - I-196 WB @ Monroe	-	-	100%
3. 114S - I-196 EB @ Ottawa	-	-	100%
4. 114 -	-	-	100%
5. 124 - I-196 EB @ I-96 Merge	-	-	100%
6. 201 - US-131 NB S of 36th	-	-	100%
7. 212 - US-131 N of Franklin	-	-	100%
8. 227 - US-131 NB @ I-96 WB	-	-	100%
9. 229 - US-131 @ I-96	44%	-	56%
10. 220 - I-196 @ US-131	62%	-	38%

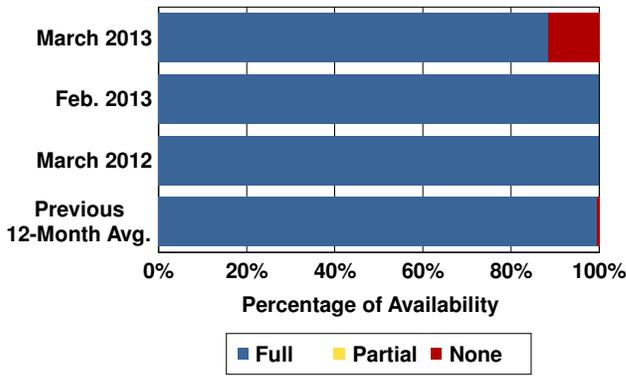
Overall DMS Availability



Individual DMS Availability

DMS Below 95% Availability			
Location	Full	Partial	None
1. M-6 EB @ Ivanrest Ave.	31%	69%	-

Overall VSS Availability



Individual VSS Availability

VSS Below 95% Availability			
Location	Full	Partial	None
1. Market SB Speed Limit	77%	-	23%
2. Market NB Speed Limit	77%	-	23%

