

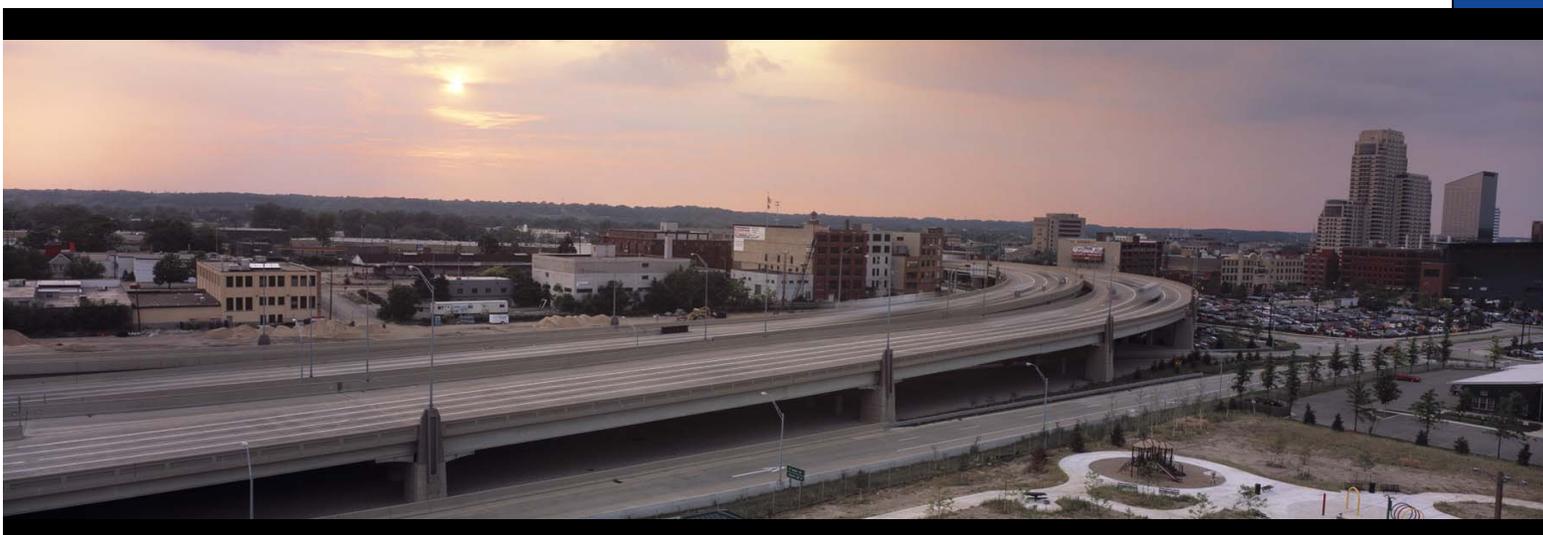
West Michigan Traffic Management Center

Serving Motorists on West Michigan Freeways

www.michigan.gov/its

www.michigan.gov/drive

February 2010



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West Michigan TMC Control Room
E-mail: MDOT-GR-TRAFFOPS@michigan.gov
Main: 616-451-8329
Cell: 616-262-6066
Fax: 616-774-9101

In the Spotlight



According to the National Weather Service in Grand Rapids, February 2010 was the eighth snowiest February on record. Approximately eight inches of snow were recorded in Grand Rapids on Feb. 9 and the West Michigan Traffic Management Center (WMTMC) recorded 10 crashes that same day.

The WMTMC sent 18 incident notifications in February, which is greater than the previous 12-month average of 11 notifications. Incident notifications are issued for high-impact incidents with an expected duration of 15 minutes or greater.

Construction began in February along I-196 in the downtown Grand Rapids area, with intermittent lane closures for placing temporary concrete barrier and one overnight freeway closure for utility work. WMTMC operators provided DMS messaging for the closures.

Phone calls to the WMTMC from Michigan State Police (MSP) have increased over the last several months, as MSP has been utilizing the WMTMC cameras more frequently to monitor incidents. This relationship should continue to decrease response times for incidents on the Grand Rapids freeways.

Compiled by:
URS

Control Room Hours of Operation

Time Period	Days	Hours
October - April	Monday - Friday	6 a.m. - 8 p.m.
	Saturday - Sunday	As needed
May - September	Monday - Thursday	6 a.m. - 8 p.m.
	Friday	6 a.m. - 9 p.m.
	Saturday	Noon - 6 p.m.
	Sunday	4 - 8 p.m.
Special Events	All	As needed
Holidays and Holiday Weekends	New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving, Christmas	As needed

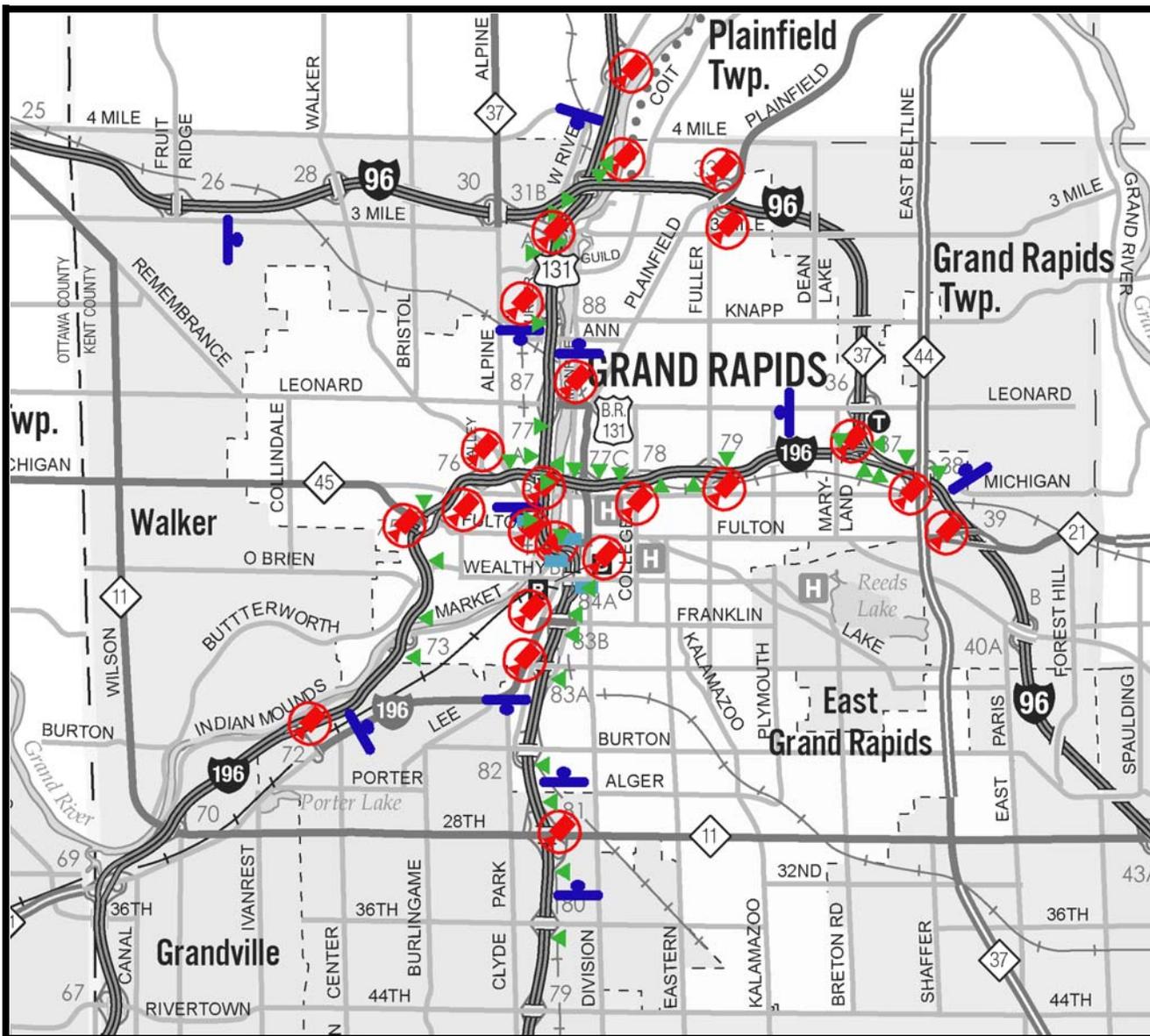
Control Room Contact Information

E-mail: MDOT-GR-TRAFFOPS@michigan.gov
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PLEASE NOTE:

The following report is limited to data collected within the ITS device coverage area, during the hours of operation for the control room.

ITS Device Locations and Coverage Area



- Key:**
- Closed-circuit Television Camera
 - Vehicle Detector
 - Dynamic Message Sign
 - Variable Speed Sign

Summary

Data Key

February 2010

Communications Activity



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

Total Communication

Calls: 133
E-mails: 87

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 88.9%

Unplanned Incidents



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

Total Incidents

126

Construction Activity



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

Incidents Occurring in Construction Zones

0

Daily Shift Report



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

System Availability

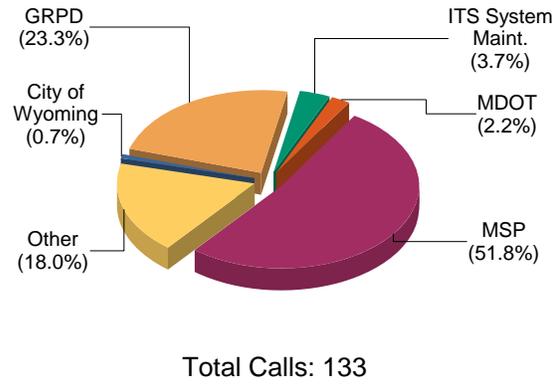
CCTV: 100%
DMS: 99%
VSS: 100%

Calls and E-mails by Type

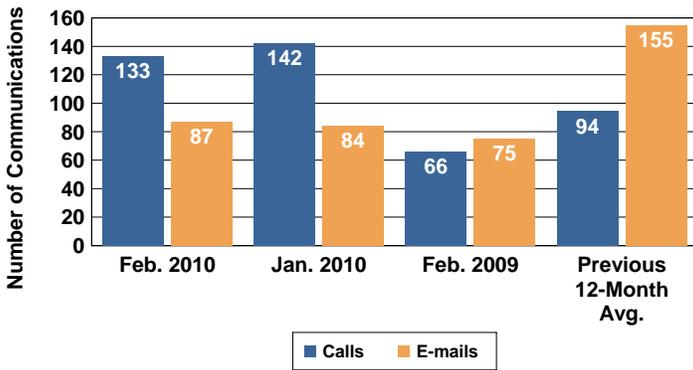


Agency	Calls			E-mails		
	In	Out	Total	In	Out	Total
City of Grand Rapids	0	0	0	12	0	12
City of Wyoming	0	1	1	0	0	0
Grand Rapids Police Department	5	26	31	0	0	0
ITS System Maintenance	3	2	5	3	0	3
Kent County Road Commission	0	3	3	0	0	0
Kent County Sheriff	0	0	0	0	0	0
MDOT, Construction	0	0	0	6	0	6
MDOT, Maintenance	0	1	1	4	0	4
MDOT, Other	0	1	1	0	0	0
MDOT, Traffic/ITS	0	1	1	5	3	8
Media	0	0	0	0	17	17
MSP	13	56	69	0	0	0
Other	13	8	21	1	0	1
Weather	0	0	0	36	0	36
Month Total	34	99	133	67	20	87

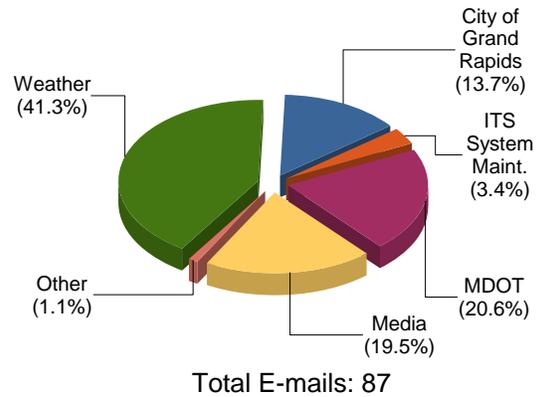
Calls by Type



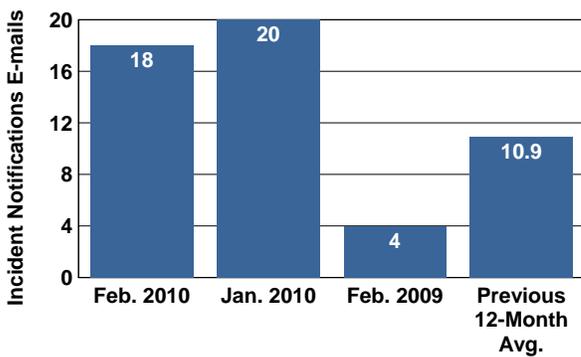
Communication History



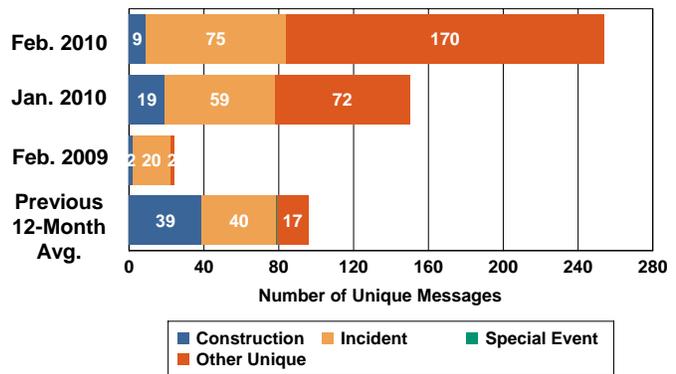
E-mails by Type



Incident Notification* History



DMS and VSS Messages by Type

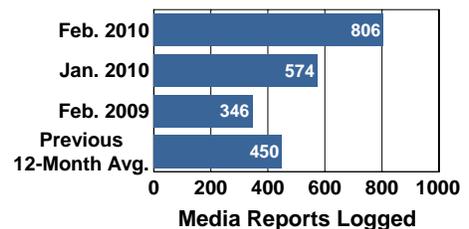


Incident Notification* Communication Accuracy



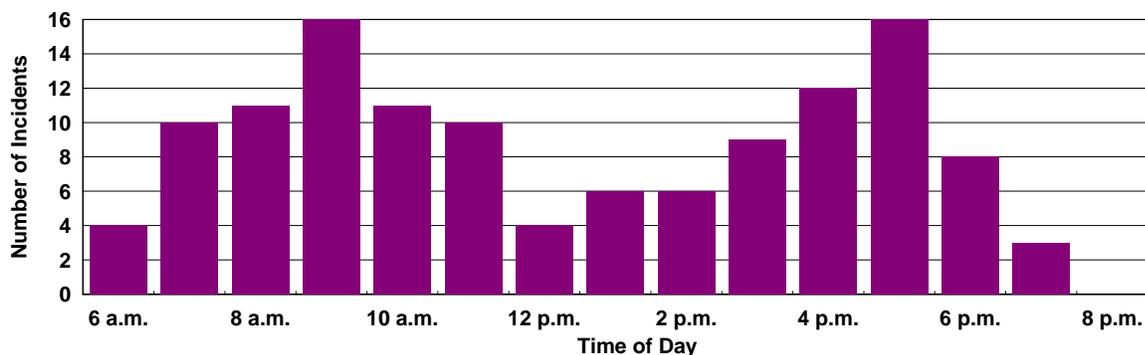
	Feb. 2010	Jan. 2010	Feb. 2009	Previous 12 Months
Format Correct	100.0%	100.0%	100.0%	94.7%
Content Correct	88.9%	95.0%	100.0%	92.4%

Media Audits

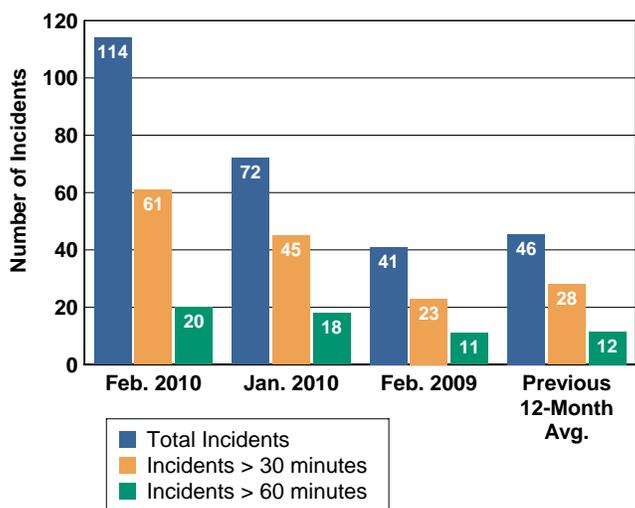


*Incident Notification e-mails are issued for high-impact incidents with an expected duration of 15 minutes or greater. To subscribe to this list, please send an e-mail to MDOT-GR-TRAFFOPS@michigan.gov.

Total of Unplanned Incidents per Weekday Hour

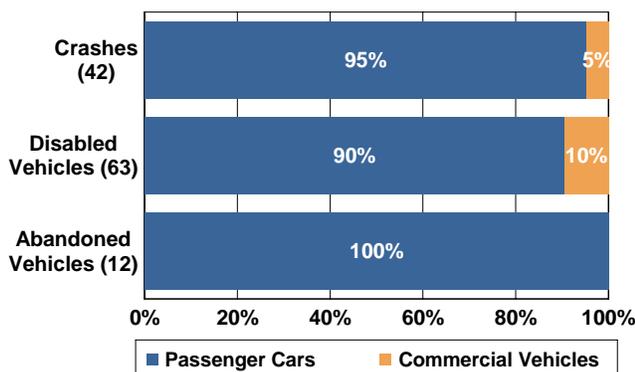


Incident Duration History*



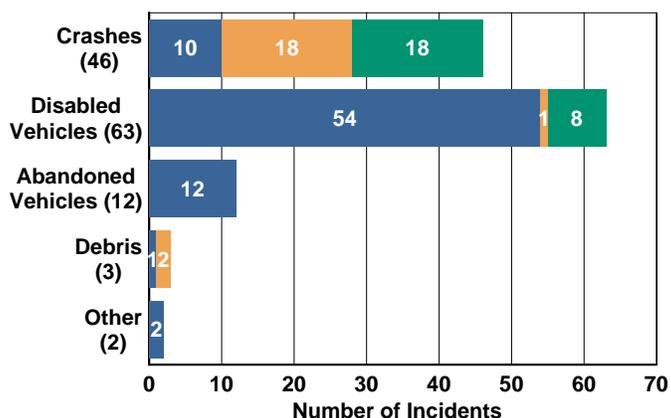
*Incident Duration History excludes abandoned vehicles.

Vehicle Composition of Incidents*

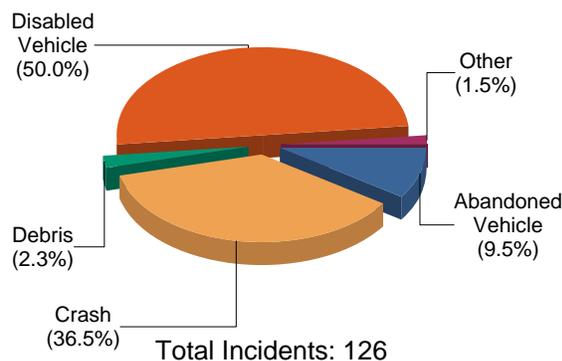


*Vehicle Composition of Incidents excludes incidents where vehicle types were not identified.

Traffic Impacts by Type



Incident Managed by Type



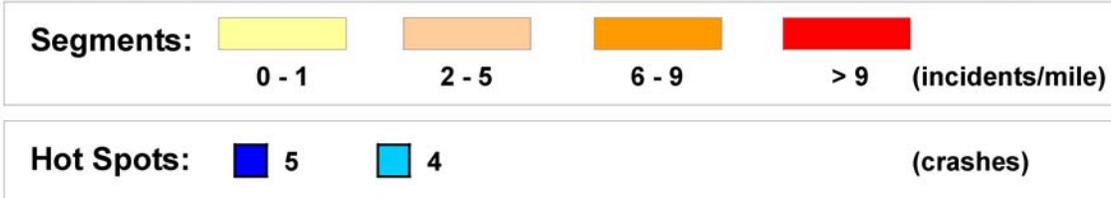
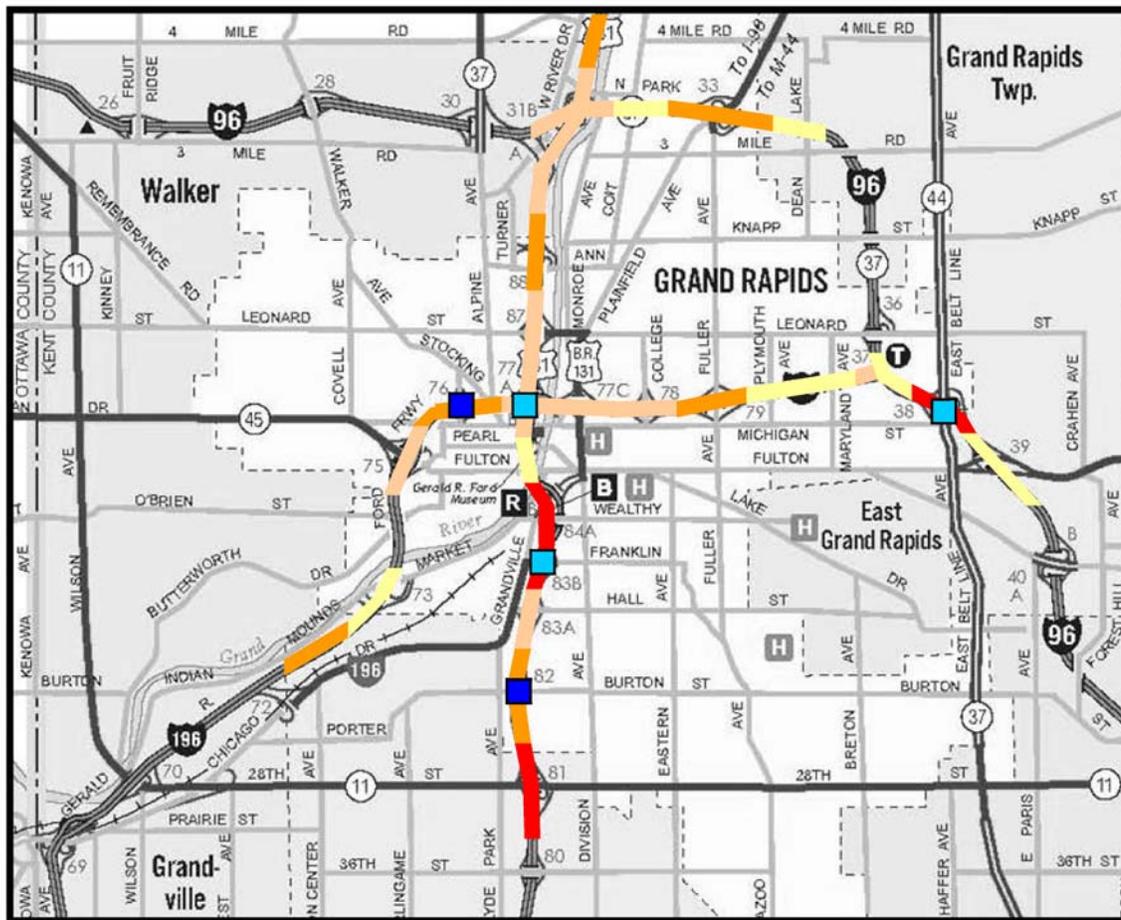
Most Utilized DMS



1. US-131 NB @ 28th St. (38)
2. I-196 WB @ Plymouth Ave. (35)
3. I-196 EB @ Chicago Dr. (30)



Incident Density and Hot Spots Map



Incident Management



High-impact Unplanned Incident Activity*



Incident Impact	Feb. 2010	Jan. 2010	Feb. 2009	Previous 12-Month Avg.
Lane Closure	26	26	9	15.6
Ramp Closure	-	-	1	0.3
Freeway Closure	-	1	-	1.3

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

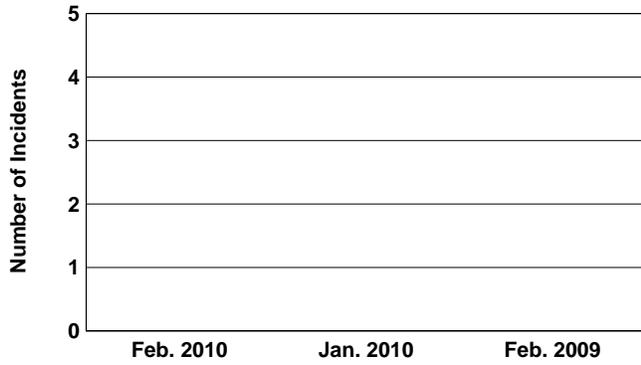
Unplanned Incidents by Roadway



Freeway	Feb. 2010		Jan. 2010		Feb. 2009		Previous 12-Month Avg.	
	Total	per mi.	Total	per mi.	Total	per mi.	Total	per mi.
I-96 (4.5 mi.)*	22	4.9	12	2.7	6	1.3	7	1.5
I-196 (8.5 mi.)*	31	3.6	25	2.9	13	1.5	14	1.6
US-131 (11 mi.)*	69	6.3	43	3.9	23	2.1	28	2.5
Month Total	122	5.1	80	3.3	42	1.8	48	2.0

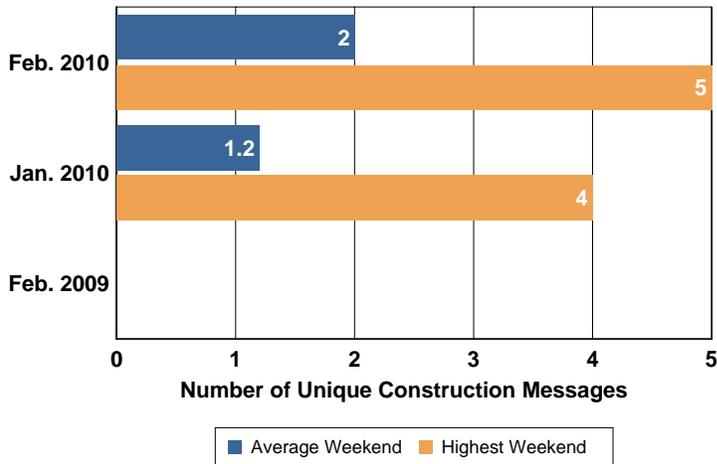
* Mileage reflect the portion of the roadway within the WMTMC coverage area.

Incidents Occurring in Construction Zones



Construction Zone Incident Details:
No incidents occurring in construction zones were recorded for February 2010.

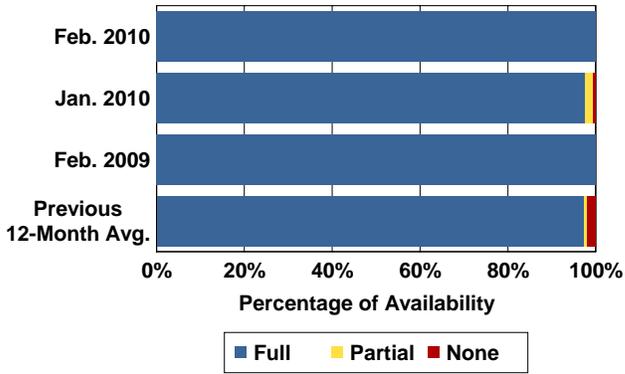
Weekend* Construction DMS Message Activity



* Friday, Saturday and Sunday.



Overall CCTV Camera Availability



Individual CCTV Camera Availability

CCTV Cameras Below 95% Availability			
Location	Full	Partial	None
N/A			

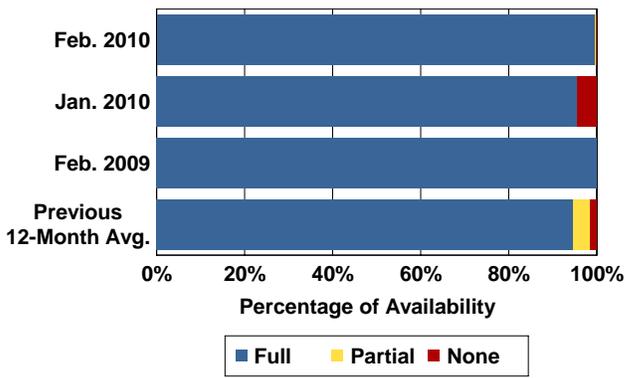
Overall Detector Availability

COMING SOON...

Individual Detector Availability

COMING SOON...

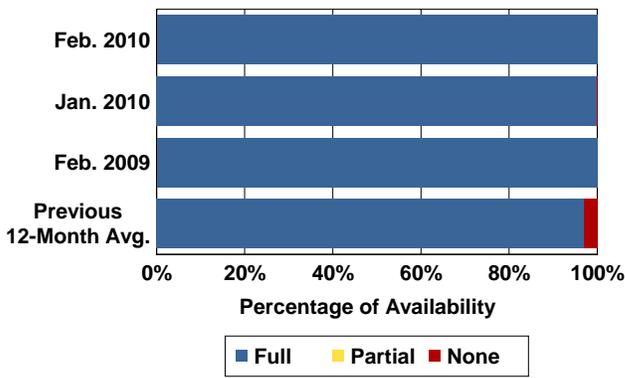
Overall DMS Availability



Individual DMS Availability

DMS Below 95% Availability			
Location	Full	Partial	None
N/A			

Overall VSS Availability



Individual VSS Availability

VSS Below 95% Availability			
Location	Full	Partial	None
N/A			

