

West Michigan Traffic Management Center

Serving Motorists on West Michigan Freeways

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October 2009



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West Michigan TMC Control Room
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Main: 616-451-8329
Cell: 616-262-6066
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In the Spotlight

Beginning this month (October 2009) the WMTMC Performance Measures report is in a new, more user-friendly and graphical format.

- In October, construction of the new WMTMC control room began at the Front Avenue address. It is exciting to see the new facility taking shape.
- Sixty-seven incidents occurred on Grand Rapids area freeways in October 2009, approximately 40% more than September 2009, and twice as many as in October 2008.
- Several construction projects required off-peak and weekend lane closures during October, with the WMTMC and MDOT GR TSC staff meeting weekly to coordinate DMS messaging.
- Due to the Thanksgiving Holiday, the WMTMC will not be in operation on the 26th and 27th of November.



Control Room Hours of Operation

Time Period	Days	Hours
October - April	Monday - Friday	6 am - 8 pm
	Saturday - Sunday	As needed
May - September	Monday - Thursday	6 am - 8 pm
	Friday	6 am - 9 pm
	Saturday	12 pm - 6 pm
	Sunday	4 pm - 8 pm
Special Events	All	As needed
Holidays and Holiday Weekends	New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving, Christmas	As needed

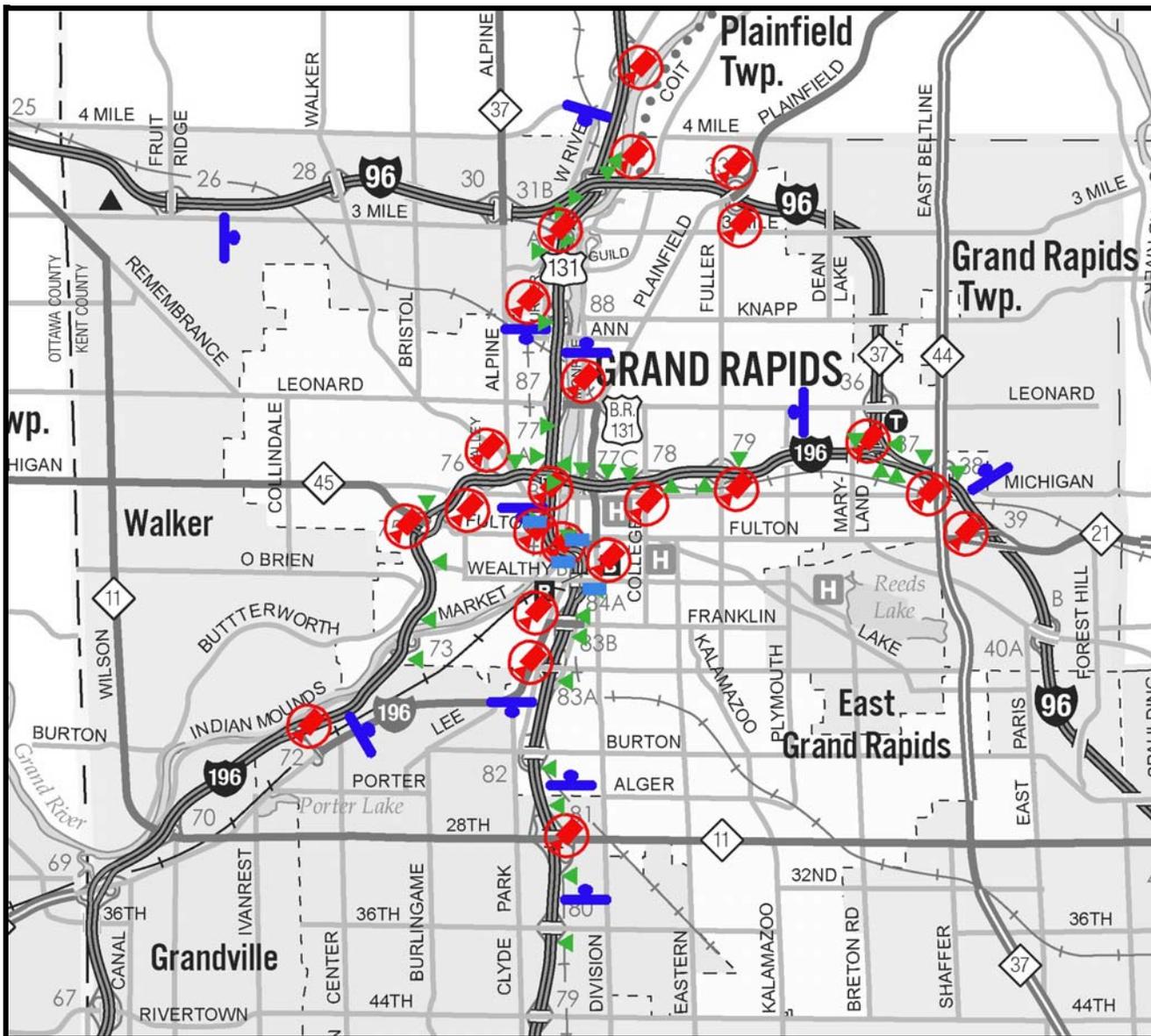
Control Room Contact Information

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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:**
-  CCTV Camera
 -  Vehicle Detector
 -  Dynamic Message Sign
 -  Variable Speed Sign

Summary

Data Key

October 2009

Communications Activity



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

Total Communication

Calls: 148
E-mails: 163

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 Accuracy 100.0%
Content Accuracy 93.8%

Unplanned Incidents



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

Total Incidents

67

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

2

Daily Shift Report



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

System Availability

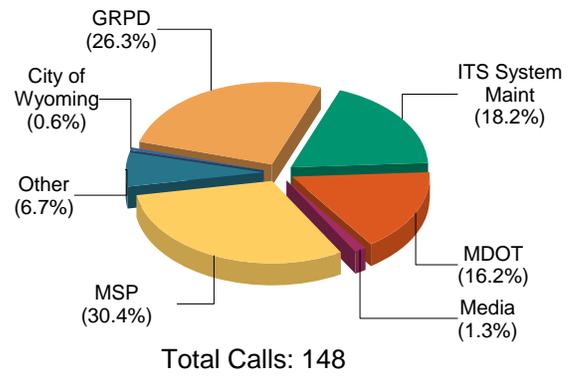
CCTV: 98%
DMS: 92%
VSS: 97%

Calls and E-mails by Type

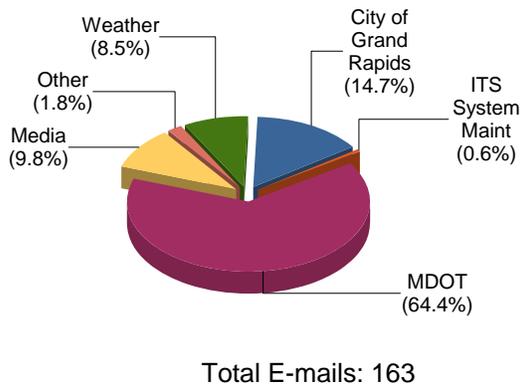


Agency	Calls			E-mails		
	In	Out	Total	In	Out	Total
City of Grand Rapids	0	0	0	24	0	24
City of Wyoming	0	1	1	0	0	0
Grand Rapids Police Department	2	37	39	0	0	0
ITS System Maintenance	14	13	27	1	0	1
Kent County Road Commission	0	3	3	0	0	0
MDOT, Construction	9	10	19	73	2	75
MDOT, Maintenance	0	1	1	21	0	21
MDOT, Other	2	1	3	2	0	2
MDOT, Traffic/ITS	1	0	1	6	1	7
Media	1	1	2	0	16	16
MSP	3	42	45	0	0	0
Other	3	4	7	1	2	3
Sheriff, Kent County	0	0	0	0	0	0
Weather	0	0	0	14	0	14
Month Total	35	113	148	142	21	163

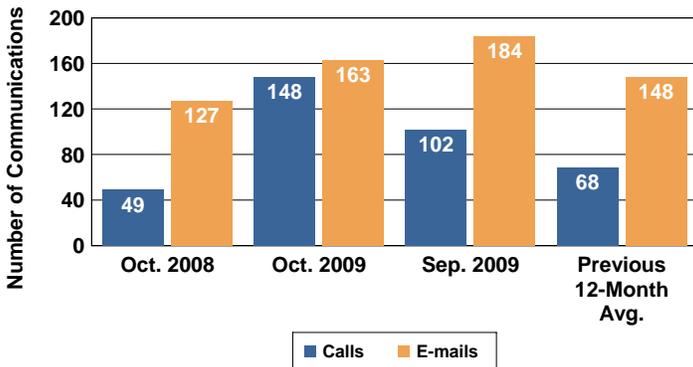
Calls by Type



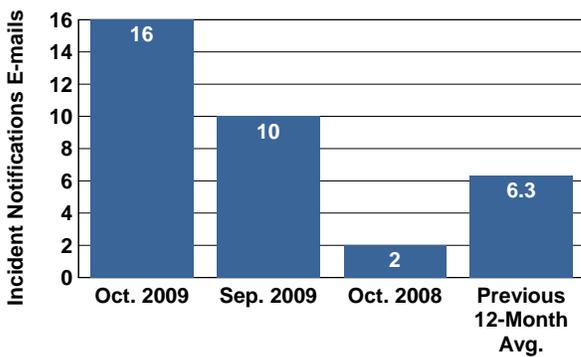
E-mails by Type



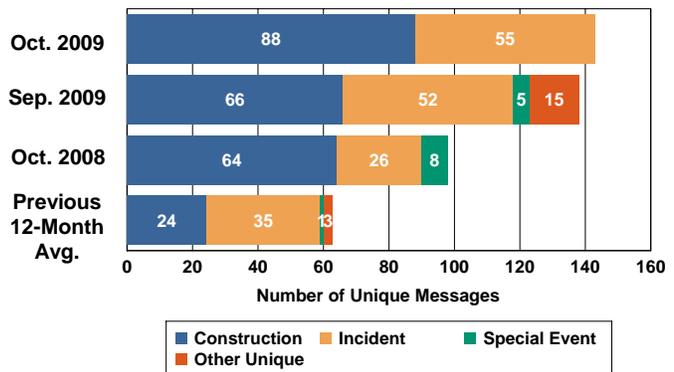
Calls and E-mails by Type



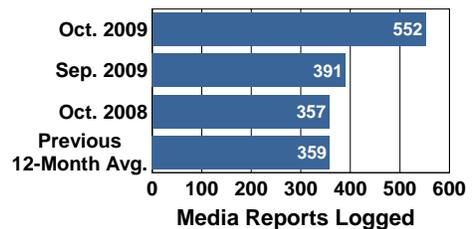
Incident Notification* History



DMS Messages by Type



Media Audits



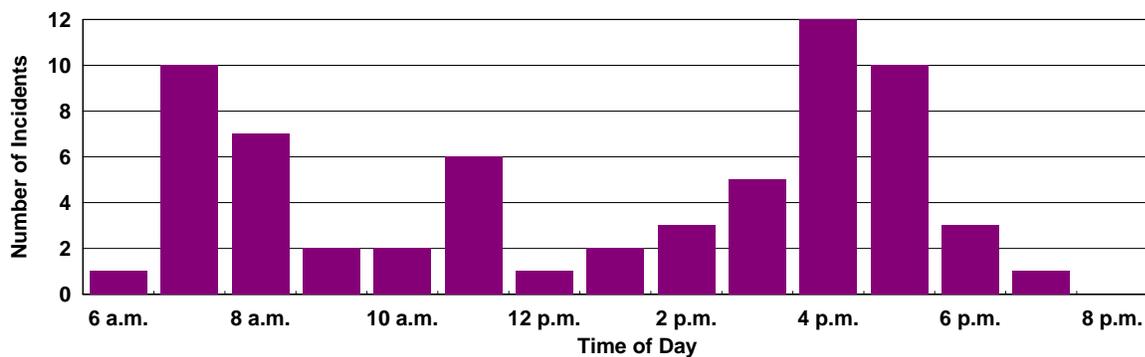
Incident Notification* Communication Accuracy



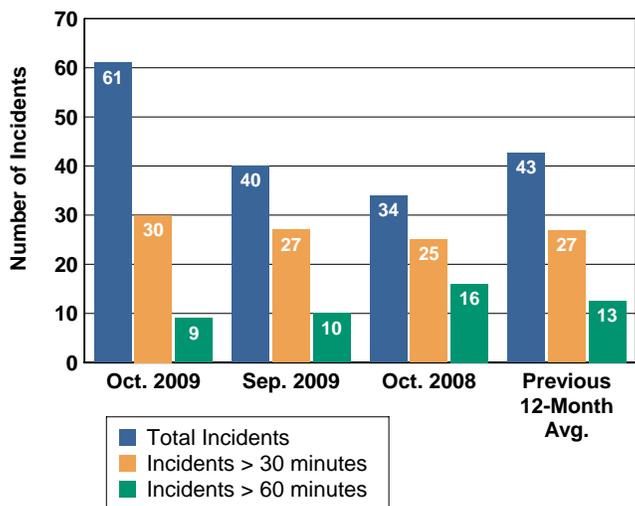
	Oct. 2009	Sep. 2009	Oct. 2008	Previous 12 Months
Format Accuracy	100.0%	90.0%	100.0%	96.1%
Content Accuracy	93.8%	100.0%	50.0%	93.4%

* 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 MDOT-GR-TRAFFOPS@michigan.gov.

Total of Unplanned Incidents per Weekday Hour

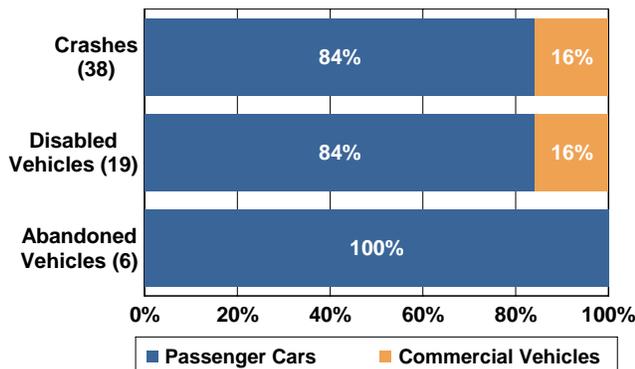


Incident Duration History*



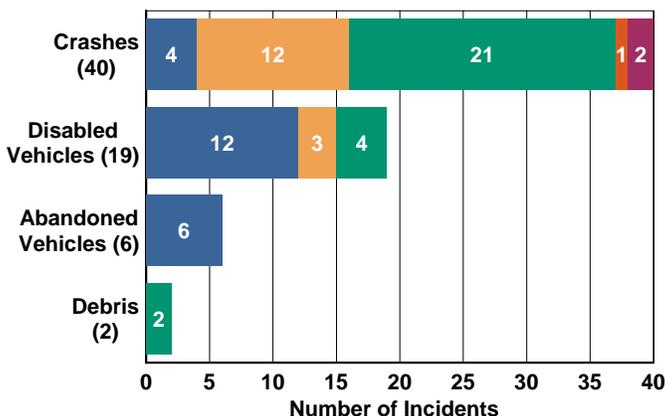
*Incident Duration History excludes abandoned vehicles.

Vehicle Composition of Incidents*

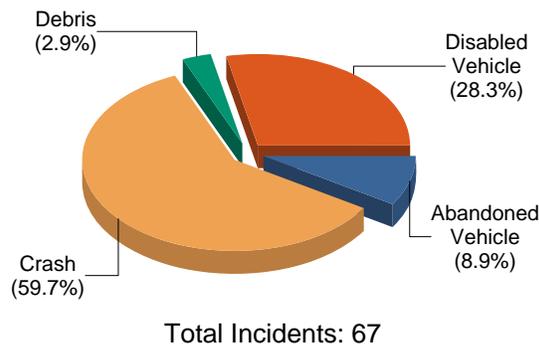


*Vehicle Composition of Incidents excludes incidents where vehicle types were not identified.

Traffic Impacts by Type



Incident Managed by Type



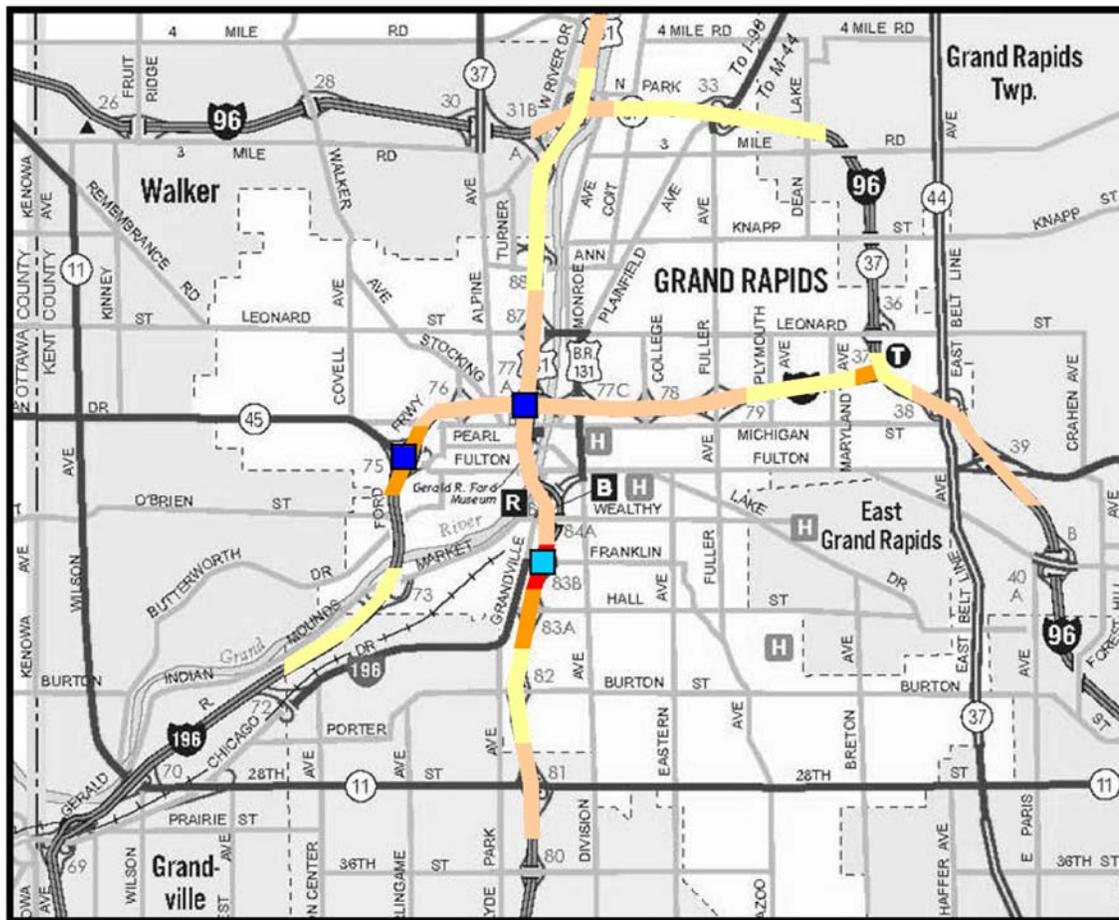
Most Utilized DMS



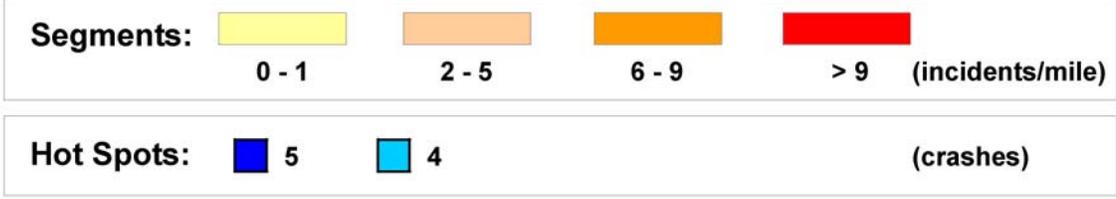
1. I-196 EB @ Chicago Dr. (24)
2. US-131 NB @ 28th St. (22)
3. US-131 SB @ Ann St. (17)



Incident Density and Hot Spots Map



Incident Management



High-Impact Unplanned Incident Activity*



Incident Impact	Oct. 2009	Sep. 2009	Oct. 2008	Previous 12-Month Avg.
Lane Closure	27	17	13	15.3
Ramp Closure	1	-	-	0.2
Freeway Closure	2	2	-	0.8

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

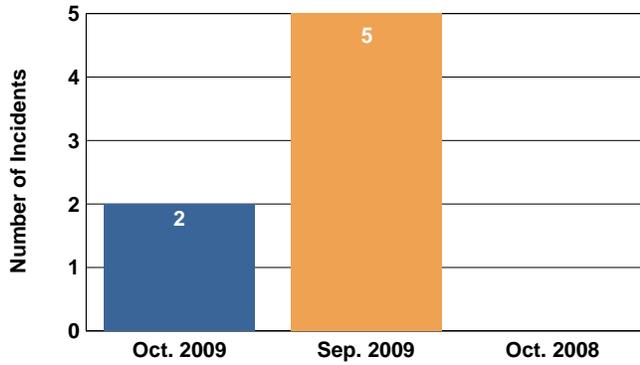
Unplanned Incidents by Roadway



Freeway	Oct. 2009		Sep. 2009		Oct. 2008		Previous 12-Month Avg.	
	Total	per mi.	Total	per mi.	Total	per mi.	Total	per mi.
I-96 (4.5 mi.)*	11	2.4	-	-	-	-	5	1.2
I-196 (8.5 mi.)*	20	2.4	9	1.1	10	1.2	13	1.6
US-131 (11 mi.)*	36	3.3	33	3.0	24	2.2	25	2.2
Month Total	67	2.8	42	1.8	34	1.4	43	1.8

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

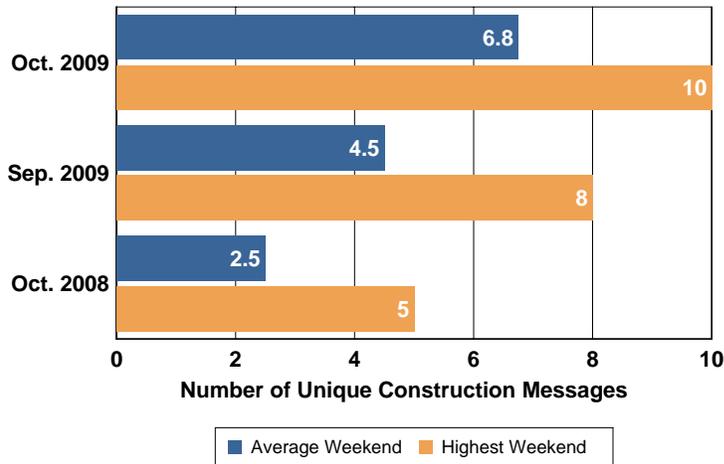
Incidents Occurring in Construction Zones



Construction Zone Incident Details:

A medical emergency occurred on 10/7 within the I-196 construction zone near College Avenue, and an SUV stalled on 10/19 in the 44th Street Interchange construction zone near 28th Street.

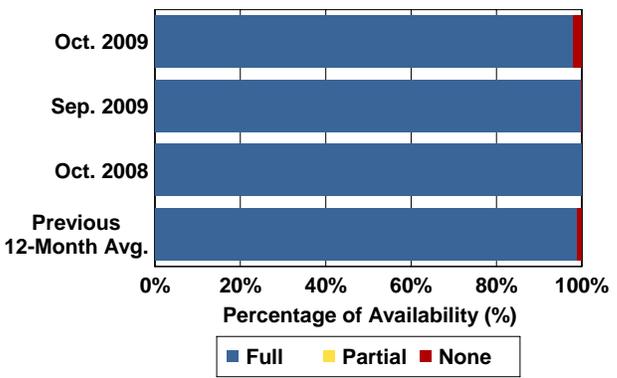
Weekend* Construction DMS Message Activity



* 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.	86%	-	14%
2. I-96 EB @ Plainfield Ave.	87%	-	13%
3. I-96 WB @ Plainfield Ave.	87%	-	13%

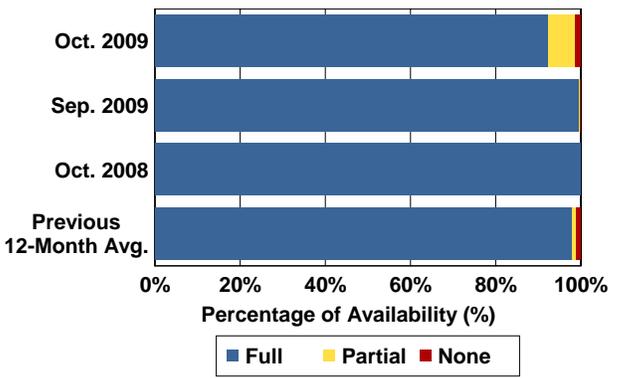
Overall Detector Availability

COMING SOON...

Individual Detector Availability

COMING SOON...

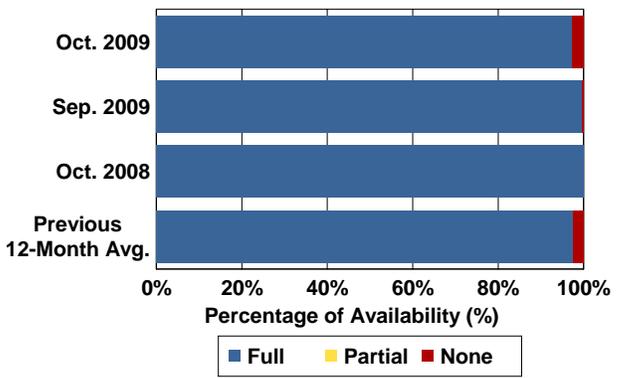
Overall DMS Availability



Individual DMS Availability

DMS Below 95% Availability			
Location	Full	Partial	None
1. I-196 EB @ Chicago Dr.	59%	41%	-
2. I-96 WB @ M-21 (Fulton St.)	83%	17%	-
3. US-131 SB @ Pearl St.	92%	8%	-

Overall VSS Availability



Individual VSS Availability

VSS Below 95% Availability			
Location	Full	Partial	None
1. Pearl SB Speed Limit	93%	-	7%

Equipment Maintenance

