

Statewide Transportation Operations Center

Serving Motorists on Michigan Freeways

www.michigan.gov/its
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September 2011



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In the Spotlight

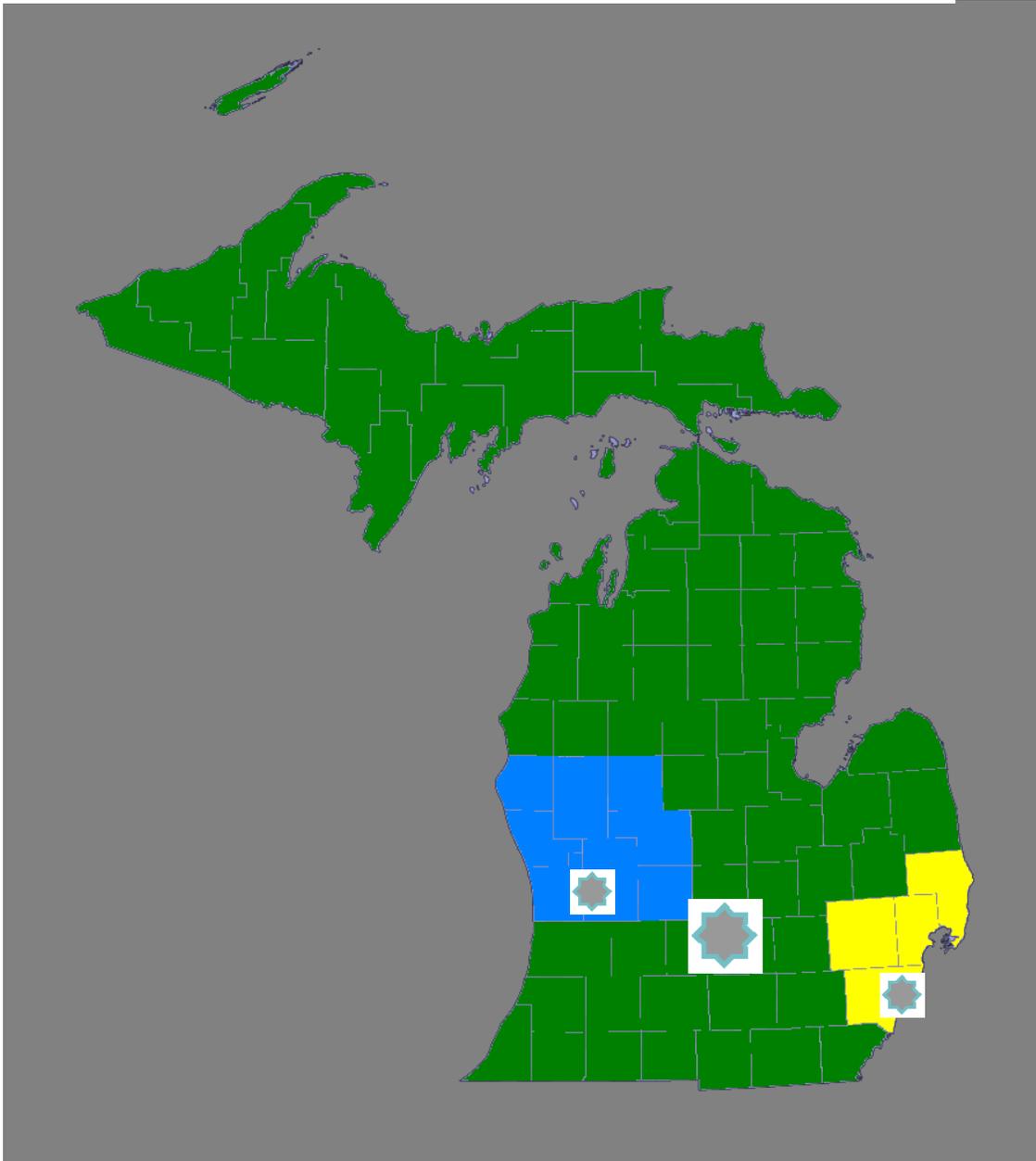


In May of 2011, the Statewide Transportation Center opened in downtown Lansing. The center is open 24/7/365 and has 4 stations with a video wall to monitor traffic.

Main Goals of the STOC:

- Collect traffic and weather data from ITS field devices
- Assist first responders with traffic incident management
- Disseminating real-time traveler information to dynamic message signs, websites, and to other stakeholders
- Pre-planning for and real-time coordination of construction and special event traffic
- Managing traffic on state trunklines in Bay, North, Southwest, Superior, and University regions while also being in cooperation and serving as a back up to MITSC (Detroit-Metro Region) and WMTOC (Grand Rapids- Grand Region)

STOC Coverage Area



-  - STOC
-  - WMTOC
-  - MITSC

Summary

Data Key

September 2011

STOC Communications Activity



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

Total Communication

Calls: 171

E-mails: 898

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 0.0%

Content Correct 0.0%

Unplanned Incidents



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

Total Incidents

120

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

3

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), and Dynamic Message Signs (DMS).

System Availability

CCTV: 100%

MVDS: 100%

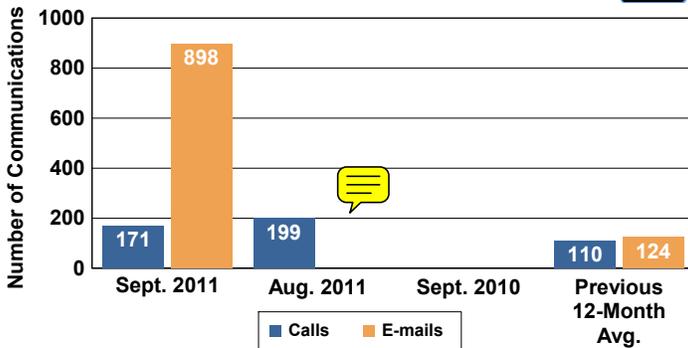
DMS: 100%

Calls and E-mails by Type

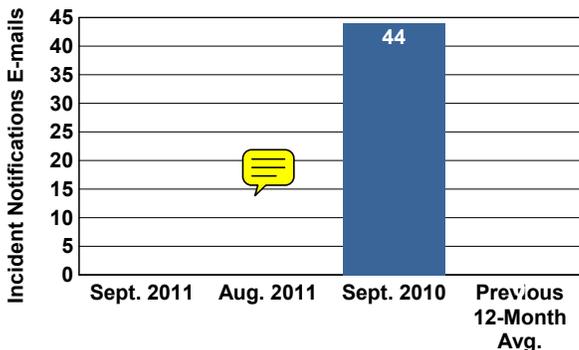


Agency	Calls			E-mails		
	In	Out	Total	In	Out	Total
Delcan Corporation	0	0	0	0	0	0
Dispatch Numbers	9	45	54	0	0	0
MDOT, Bay Region	8	26	34	84	207	291
MDOT, Construction	0	0	0	231	6	237
MDOT, Grand Region	0	0	0	31	2	33
MDOT, Metro Region	1	2	3	101	2	103
MDOT, North Region	0	5	5	12	13	25
MDOT, Other	0	1	1	0	0	0
MDOT, Southwest Region	4	11	15	68	41	109
MDOT, STOC	3	2	5	0	0	0
MDOT, Superior Region	0	0	0	1	1	2
MDOT, University Region	4	14	18	36	45	81
Michigan State Police	0	2	2	8	0	8
MIOC	8	9	17	0	0	0
Nixle	0	0	0	7	2	9
Other	5	7	12	0	0	0
Road Commission	0	1	1	0	0	0
URS Corporation	1	3	4	0	0	0
WMTOC	0	0	0	0	0	0
Month Total	43	128	171	579	319	898

Communication History



Incident Notification* History

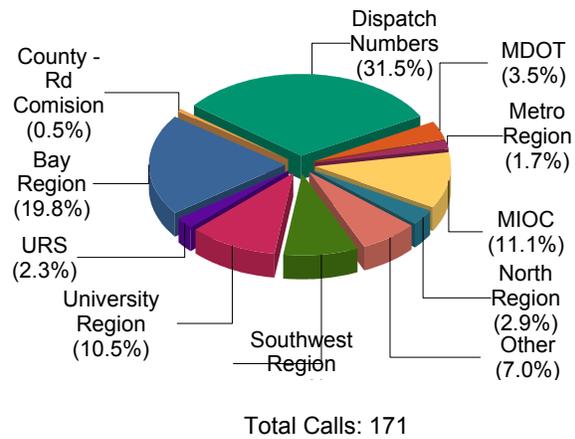


Incident Notification* Communication Accuracy

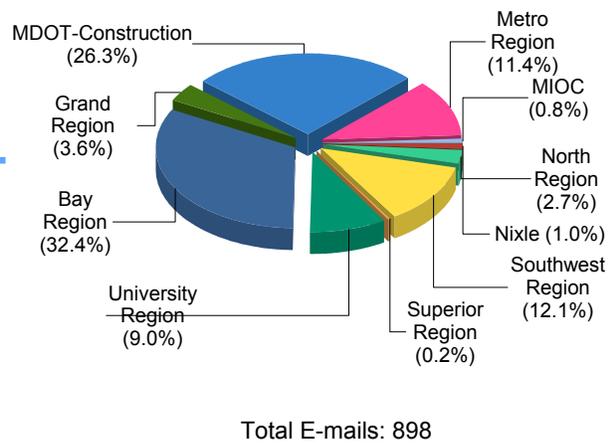
	Sept. 2011	Aug. 2011	Sept. 2010	Previous 12 Months
Format Correct	0.0%	0.0%	100.0%	100.0%
Content Correct	0.0%	0.0%	97.7%	95.6%



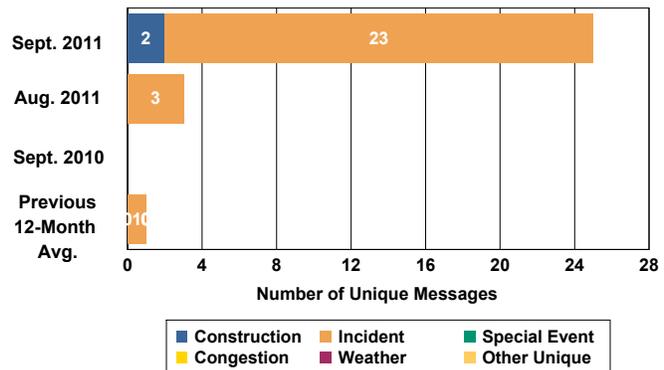
Calls by Type



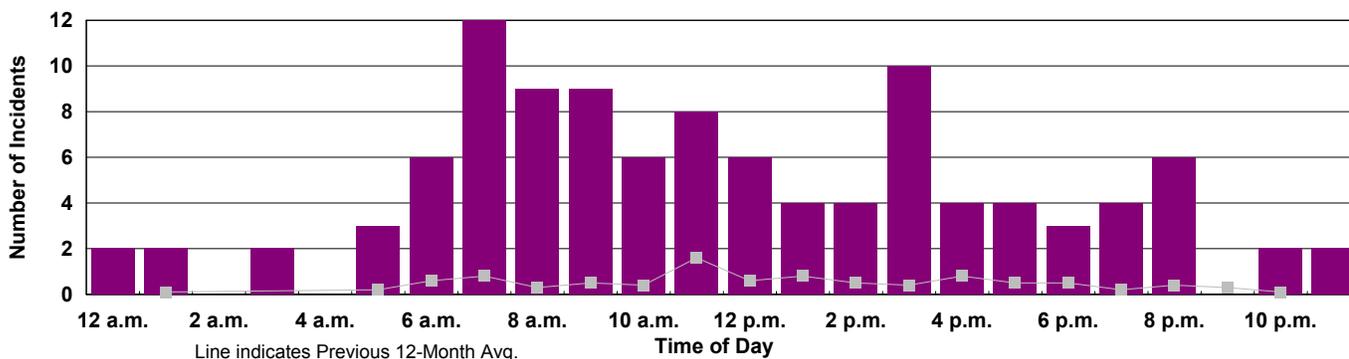
E-mails by Type



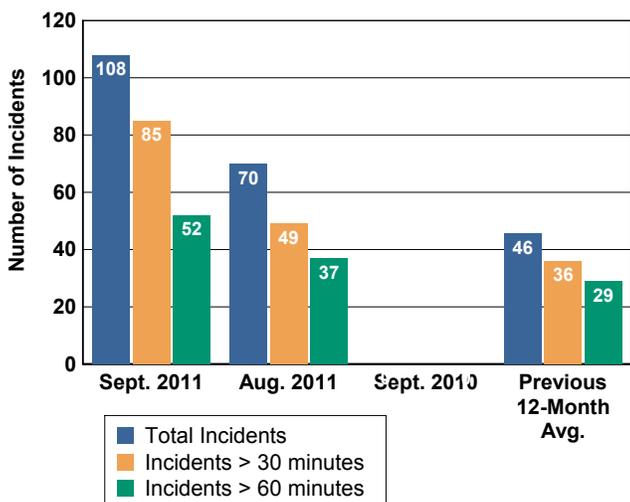
DMS and VSS Messages by Type



Total of Unplanned Incidents per Weekday Hour



Incident Duration History*

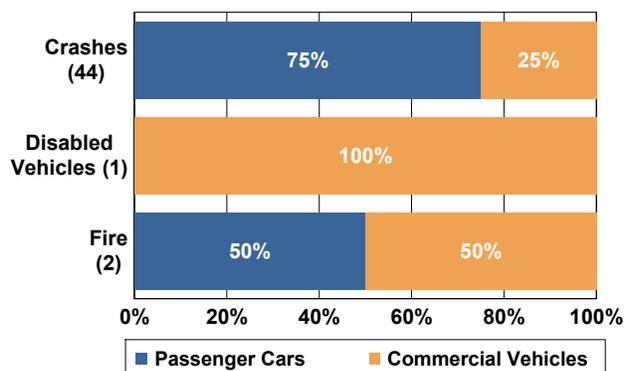


*Incident Duration History excludes abandoned vehicles.

Average Clearance Time*

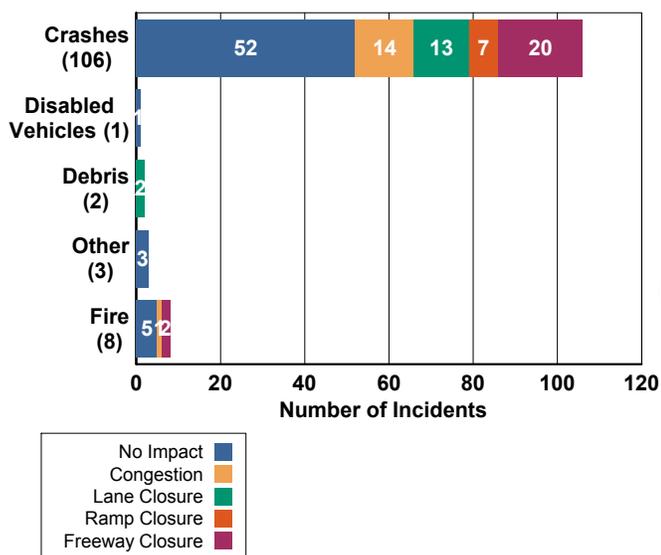


Vehicle Composition of Incidents*



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

Traffic Impacts by Type*



* Traffic Impacts by Type may include incidents outside of the current STOC camera coverage area.

Most Utilized DMS



1. I75MM1271-DMS (SB) Mt. Morris (10)
2. I75MM1092-DMS (NB) Dort Hwy (9)
3. I75MM1472-DMS (NB) Hess Rd (3)





rptPM_segmentMap (2009-07).jpg



High-Impact Unplanned Incident Activity*



Incident Impact	Sept. 2011	Aug. 2011	Sept. 2010	Previous 12-Month Avg.
Lane Closure	15	11	-	5.3
Ramp Closure	7	2	-	1.7
Freeway Closure	22	31	-	18.3

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

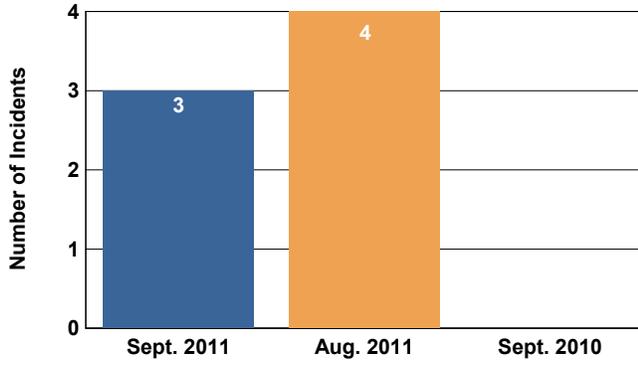
Incidents by Freeway



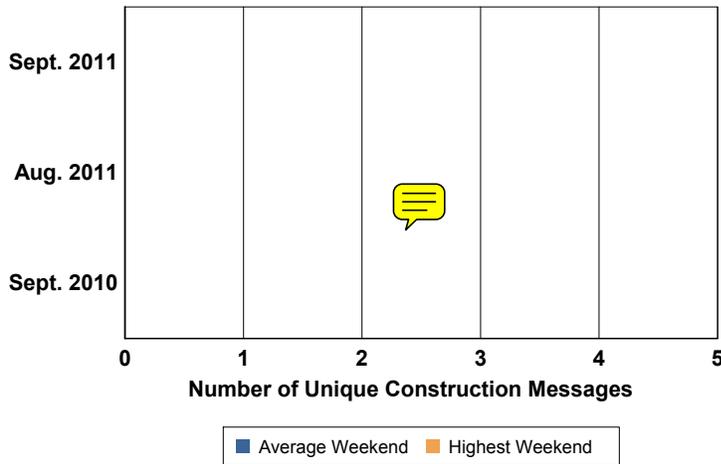
Freeway	Sept. 2011		Aug. 2011		Sept. 2010		Previous 12-Month Avg.	
	Total	per mi.	Total	per mi.	Total	per mi.	Total	per mi.
I-475 (17mi.)*	-	-	1	0.1	-	-	1.0	0.1
I-496 (12 mi.)*	1	0.1	1	0.1	-	-	0.3	-
I-675 (7 mi.)*	-	-	-	-	-	-	-	-
I-69 (178 mi.)*	10	0.1	2	-	-	-	1.0	-
I-75(288 mi.)*	12	-	9	-	-	-	4.0	-
I-94 (187 mi.)*	6	-	9	-	-	-	3.3	-
I-96 (76 mi.)*	4	0.1	1	-	-	-	1.3	-
US-10(139 mi.)*	-	-	-	-	-	-	0.3	-
US-127 (214 mi.)*	-	-	1	-	-	-	0.7	-
US-131 (192 mi.)*	1	-	1	-	-	-	0.7	-
US-23(289 mi.)*	7	-	2	-	-	-	1.7	-
US-31 (274 mi.)*	-	-	-	-	-	-	-	-
Month Total	41	-	27	-	-	-	14.3	-

* Reflects roadway mileage within the current STOC coverage area.

Incidents Occurring in Work Zones



Weekend* Construction DMS Message Activity

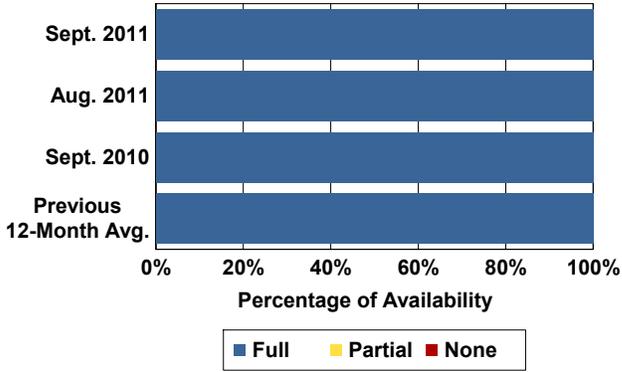


* Friday, Saturday and Sunday.

Construction Activity



Overall CCTV Camera Availability

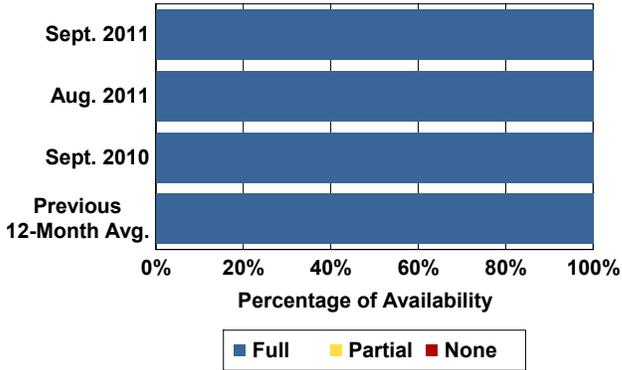


Individual CCTV Camera Availability



CCTV Cameras Below 95% Availability			
Location	Full	Partial	None
None.			

Overall Detector Availability



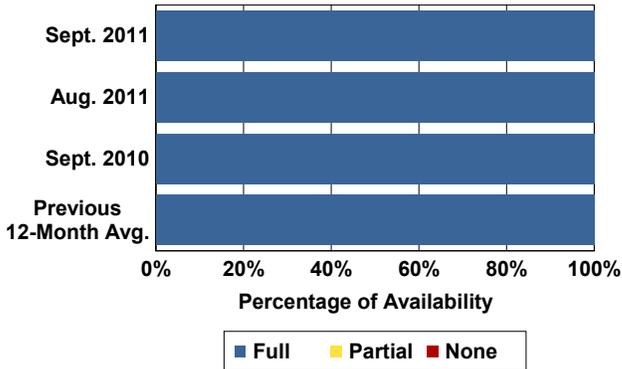
Individual Detector Availability



Vehicle Detectors Below 95% Availability			
Location	Full	Partial	None
None.			



Overall DMS Availability



Individual DMS Availability



DMS Below 95% Availability			
Location	Full	Partial	None
None.			



CONSTRUCTION MAP - PLACEHOLDER

