

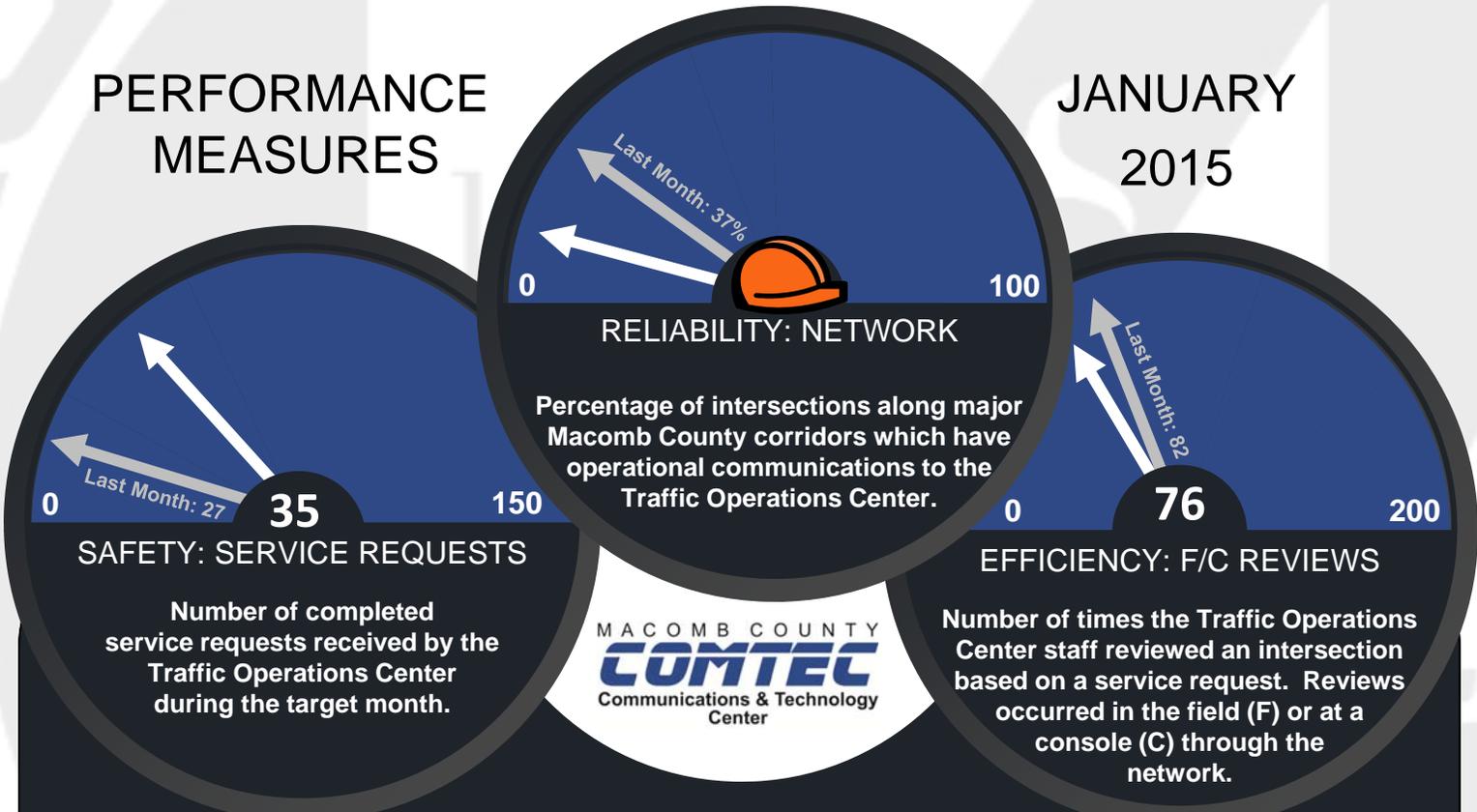
MACOMB COUNTY DEPARTMENT OF ROADS

TRAFFIC OPERATIONS CENTER

"To provide and maintain a reliable real-time traffic operations system, in coordination with county stakeholders, that enables a safe, efficient, and informative travel experience."

PERFORMANCE MEASURES

JANUARY 2015



INFORMATIVE: TOC HIGHLIGHTS



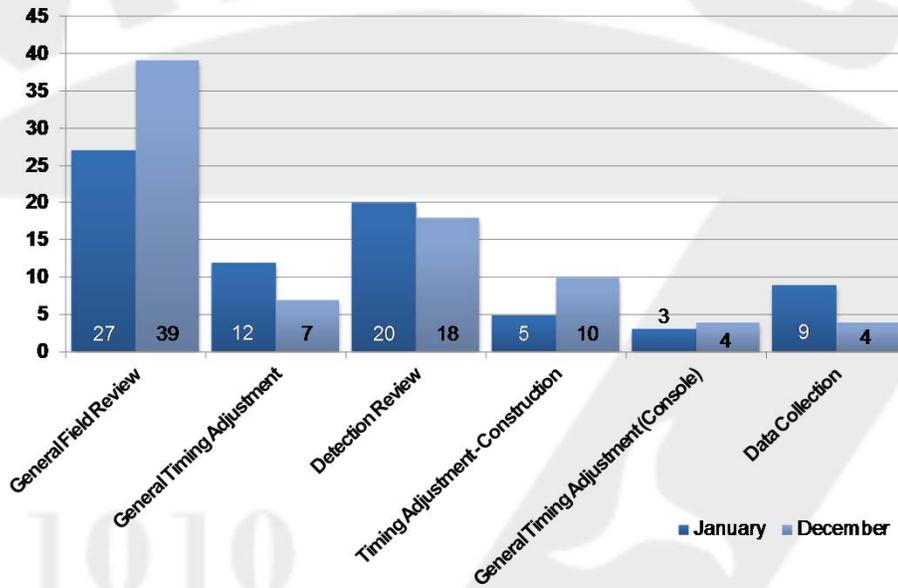
As reflected in the reliability network gauge above and throughout the report, Macomb County Department of Roads (MCDR) is undergoing an extensive upgrade of its communications system. Once this project is completed, the Traffic Operations Center (TOC) will have a more enhanced, reliable, and robust communications network. Of the network still available, the TOC has accomplished an average of 90% network reliability.

A new Operations Technician was hired into the control room and Class 3 Safety Coats were ordered for all Traffic Operations Engineers on staff. Additionally, the new year marked the beginning of Quarter 1 Initiatives including an operations safety analysis, planning for more proactive information dissemination of unplanned events from the control room, and an effort to convert MCDR traffic signal timings to one consistent software. January also saw the continued development of a computerized maintenance management software for Intelligent Transportation System devices.



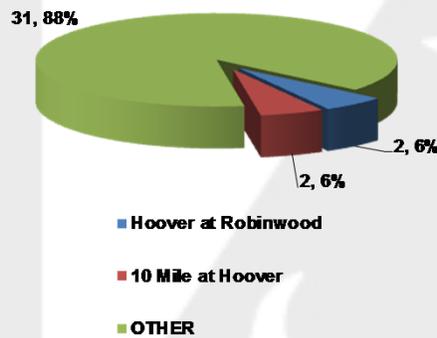
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Field/Console Reviews Completed



Compilation of the general field/console review types completed by the Traffic Operations Engineers. Field/console reviews are assigned after a public/stakeholder concern warrants an investigation. Reviews are either conducted in the field or at an Operator console through a network connection.

Service Requests By Intersection



Motorists and public agencies contact the TOC to provide feedback on intersection functionality.

This month, the intersections accruing the most feedback were Hoover at Robinwood and 10 Mile at Hoover.

All callers stated a similar concern: Robinwood and the northbound left-turn from 10 Mile to Hoover were not receiving enough green time. TOC Engineers reviewed the sites with Electrical staff and found a faulty piece of equipment and detection unit that had strayed due to recent high winds, respectively. Both items were corrected in a timely manner.

Executed Roadway Upgrades

Date	Intersection Identification	Organization	Upgrade
01/16/2015	0214: Harper at Little Mack	City/MCDR	Installed new cabinet, controller, and signal layout
01/27/2015	1030: Gratiot (M-3) at Laurel	MDOT/MCDR	Installed and turned on HAWK* Signals
01/27/2015	1031: Gratiot (M-3) at Quinn	MDOT/MCDR	Installed and turned on HAWK* Signals

Tracks the roadway upgrades executed in Macomb County, including those done by other transportation agencies, also lists a description of the upgrade performed.

* HAWK stands for: **H**igh-intensity **A**ctivated **C**ross**W**alk.

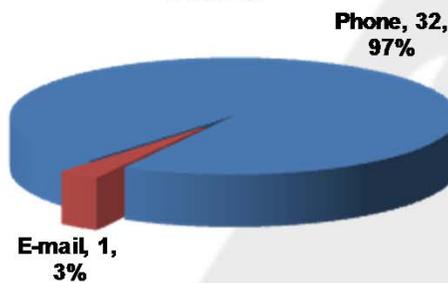
Frequent Crash Locations

Jurisdiction	Intersection Identification	Crashes
Shelby Township	23 Mile at Schoenherr	8
Macomb Township	Hall (M-59) at Romeo Plank	7
Clinton Township	Groesbeck (M-97) at Cass	7
Warren	Hoover at 10 Mile	7
Warren	Dequindre at 11 Mile	7
Clinton Township	Hayes at 19 Mile	7
Clinton Township	Groesbeck (M-97) at 15 Mile	6
Shelby Township	Schoenherr at 21 Mile	6
Fraser	13 Mile at Utica	6

Utilizing crash data from Michigan State Police, the top ten intersections by number of crashes. Note: the crash data is from December 2014 due to delayed availability of data.

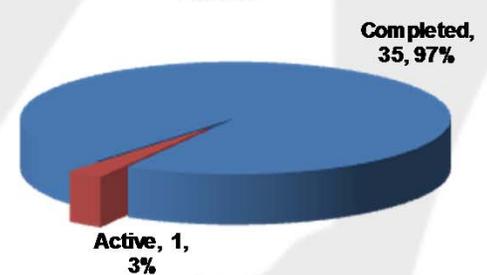
Customer Service Communications

Source



Source of service requests taken by Traffic Operations Center staff during the target report month.

Status



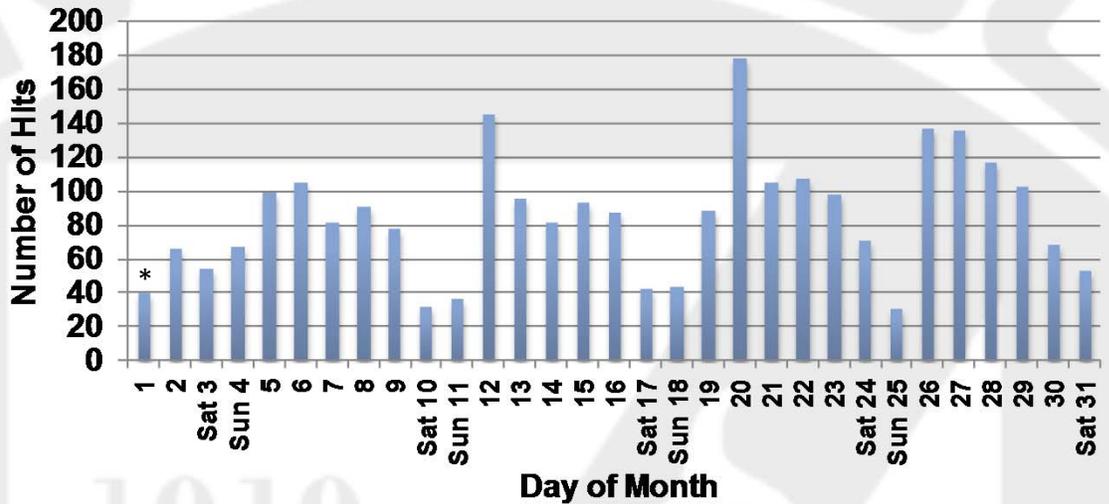
Status of all service requests closed by Traffic Operations Center staff through the end of the month.

Major Construction and Maintenance

Project Parameters	Start Date	Approximate Completion Date	Location(s)
Construction	07/07/2014	08/01/2015	Hayes from 21 Mile to 23 Mile
Construction	10/01/2014	To be determined	24 Mile between Hayes and Romeo Plank
Construction	10/29/2014	To be determined	24 Mile between Van Dyke and Aurora
Watermain Work	01/21/2015	To be determined	10 Mile between Hoover and Schoenherr

Out of the many projects that occur on Macomb County roads, these projects potentially have the most impact to motorists.

MCDR Website Hits



Website hits accrued at the <http://www.rcmcweb.org/> web page.

* Less than normal on a weekday Thursday due to the New Year's holiday.

County Corridor Communications Availability



Corridor	Current Month	Previous Month	Change
9 Mile	0%	0%	0%
10 Mile	0%	0%	0%
I-696 Service Drive	0%	0%	0%
12 Mile	0%	0%	0%
14 Mile	40%	40%	0%
15 Mile	33%	100%	-67%
Metro Parkway	3%	97%	-95%
Hall (M-59)	33%	82%	-49%
Dequindre	0%	0%	0%
Ryan	0%	48%	-48%
Mound	0%	26%	-26%
Hoover	0%	0%	0%
Schoenherr	0%	44%	-44%
Gratiot (M-3)	37%	53%	-16%
Harper	28%	33%	-6%

The table above represents a one-time monthly snapshot of communications along major corridors in Macomb County. Corridors which are considered to have operational communications (80% and above) are shown in green, while corridors found not to have operational communications (<80%) at the time of the snapshot are shown in red.

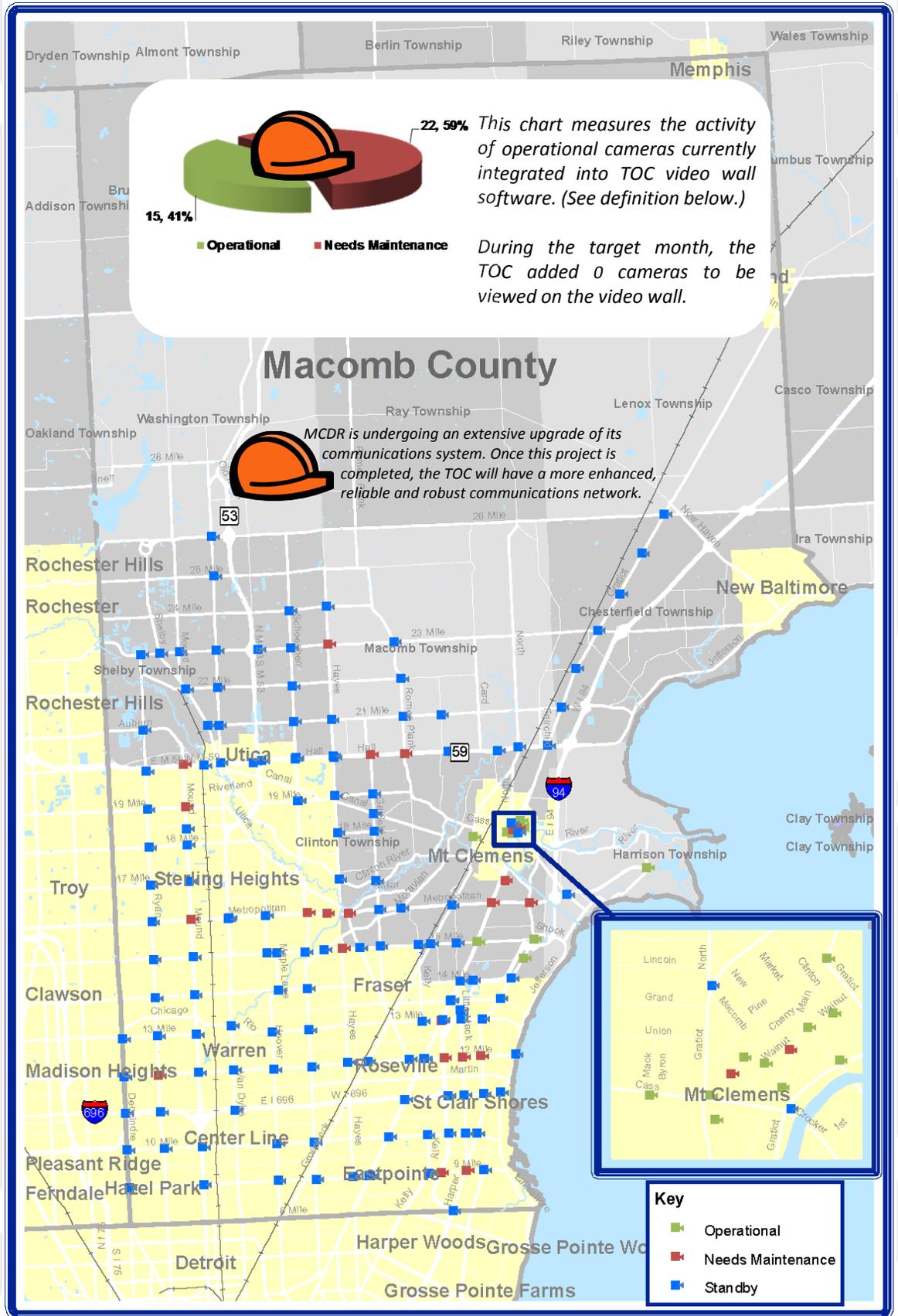


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Current Camera Locations

CAMERA COVERAGE

JANUARY 2015



Cameras currently deployed and under Macomb County Department of Roads jurisdiction.
 Cameras considered operational were available 80% of the target month.
 Cameras needing maintenance were available for less than 80% of the target month.
 Cameras in "Standby" have not yet been integrated into TOC video wall software.

