

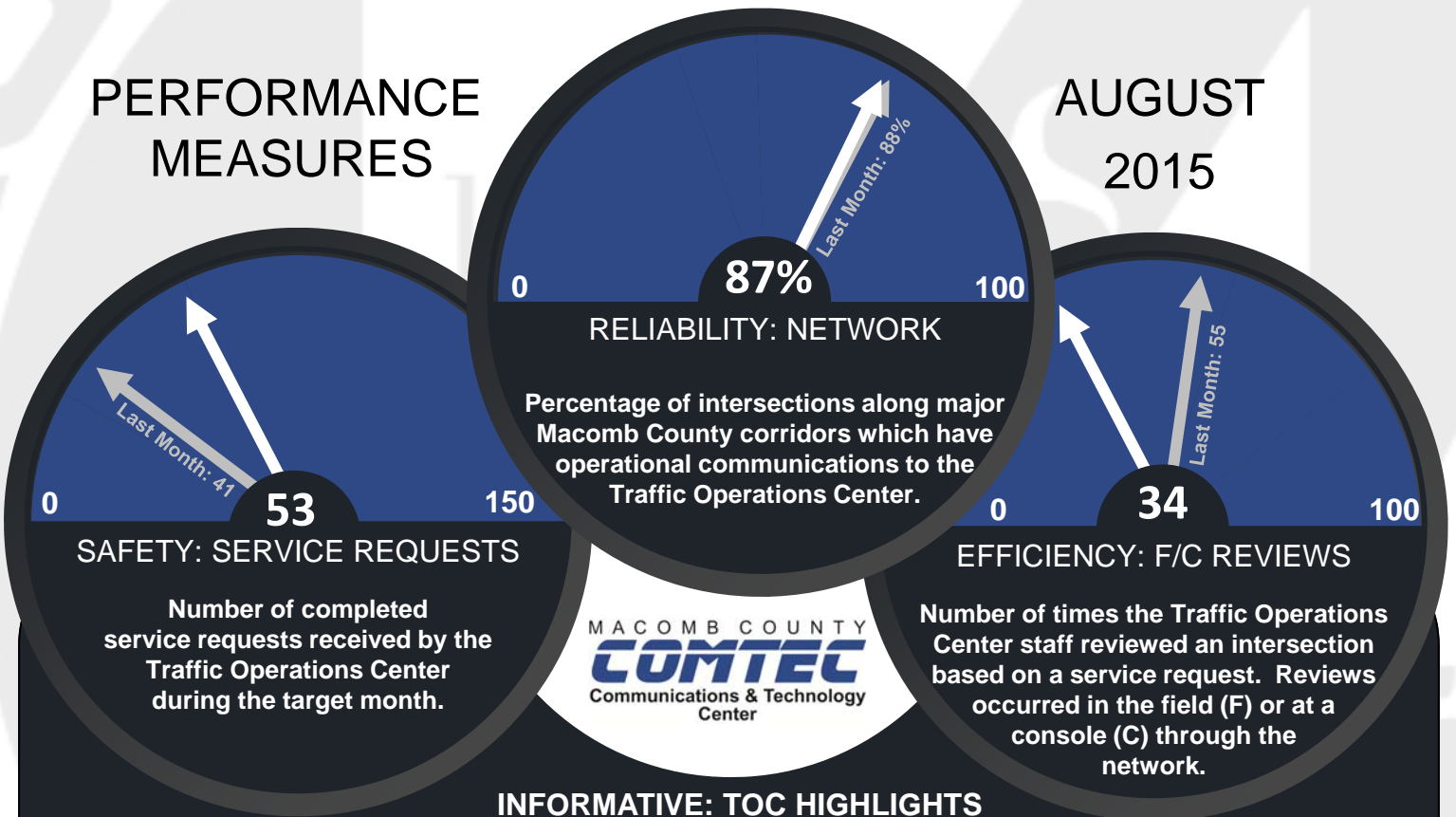
MACOMB COUNTY DEPARTMENT OF ROADS

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

AUGUST 2015



INFORMATIVE: TOC HIGHLIGHTS

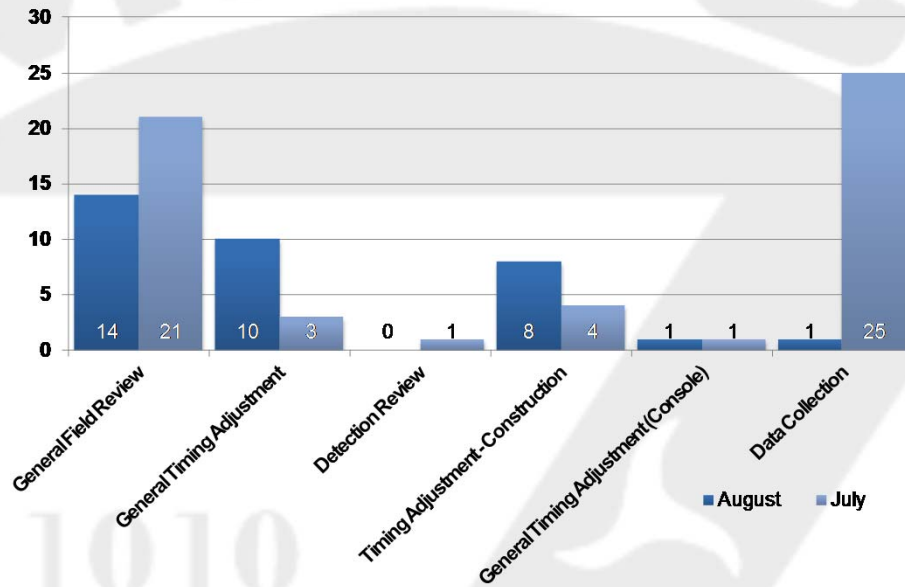
The Macomb County Department of Roads (MCDR) Traffic Operations Center (TOC) was seen in the spot light during the month of August. As part of a severe weather simulation, helicopters flew over Macomb County to imitate a tornado in real time as operators from the TOC followed them using intersection cameras. The simulation was a great success and was featured on ABC Channel 7 Detroit nightly news coverage. Also, recently Joyson Peters enhanced the Traffic Department webpage of the MCDR Web site by the creating the TOC page and subpages. This new webpage allows members of the community to view what the daily operations are and what each team (Operations Technicians, Traffic Engineers, IT/ITS) accomplishes at the TOC. Furthermore, anyone who is interested will now be able to view the TOC's Monthly Performance Measures and Executive Summary, adding another tool to the MCDR's transparency policy.

The Computer Maintenance Management System (CMMS) auditing project continues with over 720 intersections now audited and accessible in the NexGenAM system. The CMMS team hopes to have the audit completed by the end of September.

John Abraham, PhD, PE, PTOE
Director of Traffic & Operations
Macomb County Department of Roads
117 S Groesbeck Hwy
Mount Clemens, MI 48043
586-463-8671
JAbraham@RCMCWeb.org

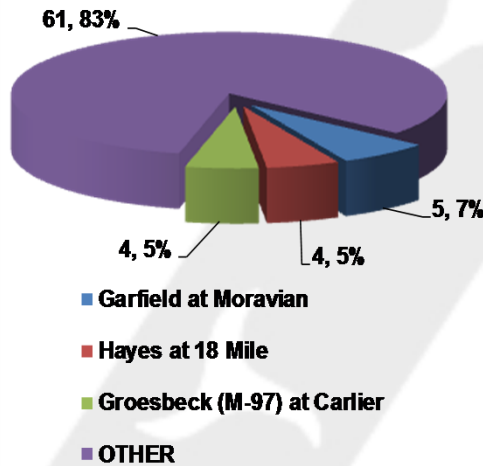


Field/Console Reviews Completed



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



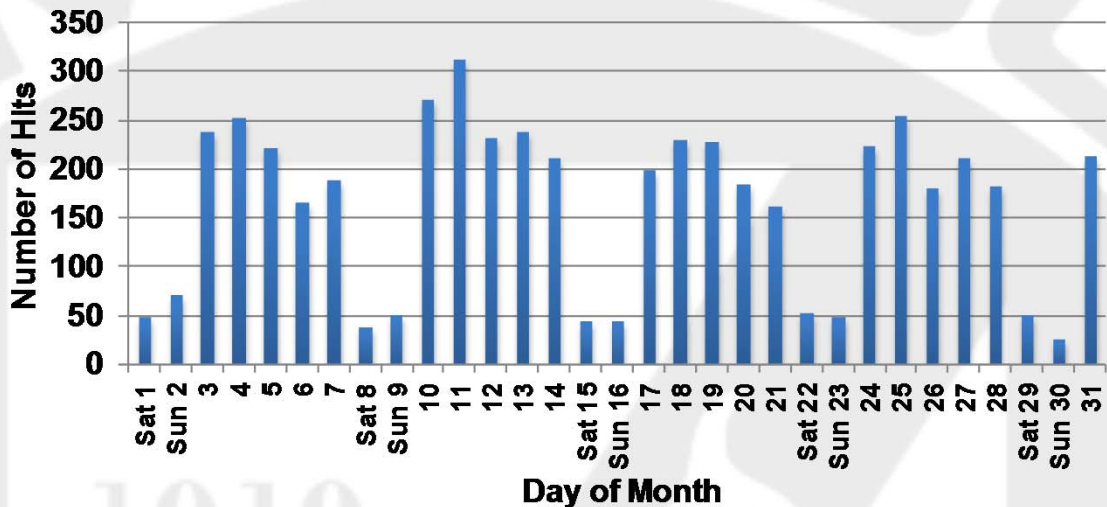
Motorists and public agencies contact the TOC to provide feedback on intersection functionality. This month, the intersections where TOC engineers focused attention to address the feedback were Garfield at Moravian, Hayes at 18 Mile, and Groesbeck (M-97) at Carlier.

Executed Roadway Upgrades

Date	Intersection Identification	Organization	Upgrade	Changes being made
08/06/2015	255	10 Mile and Little Mack	MCDR	Accident - new cabinet install
08/22/2015	164	13 Mile at Hayes	MCDR	Construction - phase omits
08/22/2015	306	13 Mile at Schoenherr	MCDR	Construction - phase omits
08/24/2015	625	18 Mile at Hayes	MCDR	New signal installation
08/26/2015	301	13 Mile at Ryan	MCDR	Construction - phase omits
08/26/2015	105	13 Mile at Dequindre	MCDR	Construction - phase omits

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

MCDR Website Hits



Combined website hits accrued at the <http://www.rcmcweb.org/> and the new <http://roads.macombgov.org/>.

County Corridor Communications Availability

Corridor	Current Month	Previous Month	Change
9 Mile	100%	96%	▲ 4%
10 Mile	90%	85%	▲ 5%
I-696 Service Drive	100%	100%	▬ 0%
12 Mile	100%	100%	▬ 0%
14 Mile	100%	100%	▬ 0%
15 Mile	100%	94%	▲ 6%
Metro Parkway	92%	100%	▼ -8%
Hall (M-59)	100%	100%	▬ 0%
Dequindre	100%	100%	▬ 0%
Ryan	92%	100%	▼ -8%
Mound	98%	98%	▬ 0%
Hoover	100%	100%	▬ 0%
Schoenherr	100%	93%	▲ 7%
Hayes	95%	82%	▲ 13%
Gratiot (M-3)	99%	96%	▲ 3%
Harper	100%	100%	▬ 0%

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 (90% and above) are shown in green, while corridors found not to have operational communications (<90%) at the time of the snapshot are shown in red.

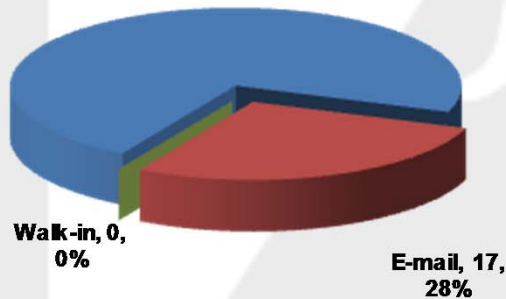
Frequent Crash Locations

Jurisdiction	Intersection Identification	Crashes
Clinton Township	Groesbeck (M-97) At 15 Mile	9
Shelby Township	23 Mile At Schoenherr	9
Sterling Heights	Mound At Metropolitan	8
Warren	Mound At 12 Mile	8
Clinton Township	Gratiot (M-3) At Metropolitan	8
Warren	Hayes At 19 Mile	7
Macomb Township	Hall (M-59) At Hayes	6
Warren	Groesbeck (M-97) At WB I-696 Service Drive	6
Macomb Township	21 Mile At Card	6
Sterling Heights	Schoenherr At 14 Mile	6

Utilizing crash data from Michigan State Police, the top ten intersections by number of crashes.
 Note: the crash data is from July 2015 due to delayed availability of data.

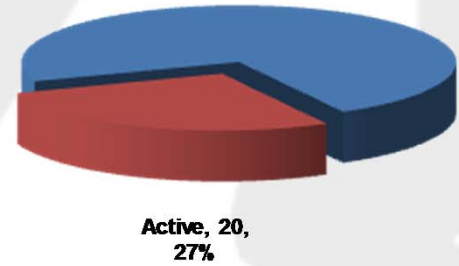
Customer Service Communications

Source
 Phone, 44, 72%



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

Status
 Completed, 53, 73%



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	02/20/2015	08/01/2015	34 Mile between Campground and Fisher
Construction	03/26/2015	To be determined	32 Mile between Powell and Romeo Plank
Construction	10/29/2014 updated 06/05/2015	To be determined	24 Mile between Schoenherr and Hayes
Construction	06/18/2015	To be determined	24 Mile between Van Dyke (M-53) and Jewell
Construction	06/18/2015	To be determined	WB 24 Mile from Brookfield to Shelby
Construction	5/18/2015 updated 06/22/2015	08/22/2015	Luchtman between 25 Mile and 26 Mile
Construction	07/06/2015	11/01/2015	EB Metro from I-94 to Jefferson
Construction	07/16/2015	08/14/2015	18 Mile and Hayes (NB Hayes is now open to thru traffic)
Construction	07/20/2015	05/15/2016	Metro Parkway between Groesbeck (M-97) and Gratiot (M-3)
Construction	07/27/2015	09/04/2015	Irwin over Coon Creek Bridge
Construction	07/30/2015	08/01/2015	Hayes from 21 Mile to 23 Mile
Construction	07/30/2015	To be determined	31 Mile east of Mt. Vernon across the Stoney Creek (Bridge)
Construction	07/30/2015	To be determined	27 Mile east of Hayes across the Stoney Creek (Bridge)
Construction	07/22/2015 updated 08/01/2015	08/22/2015	Schoenherr north of 14 Mile and south of Moravian

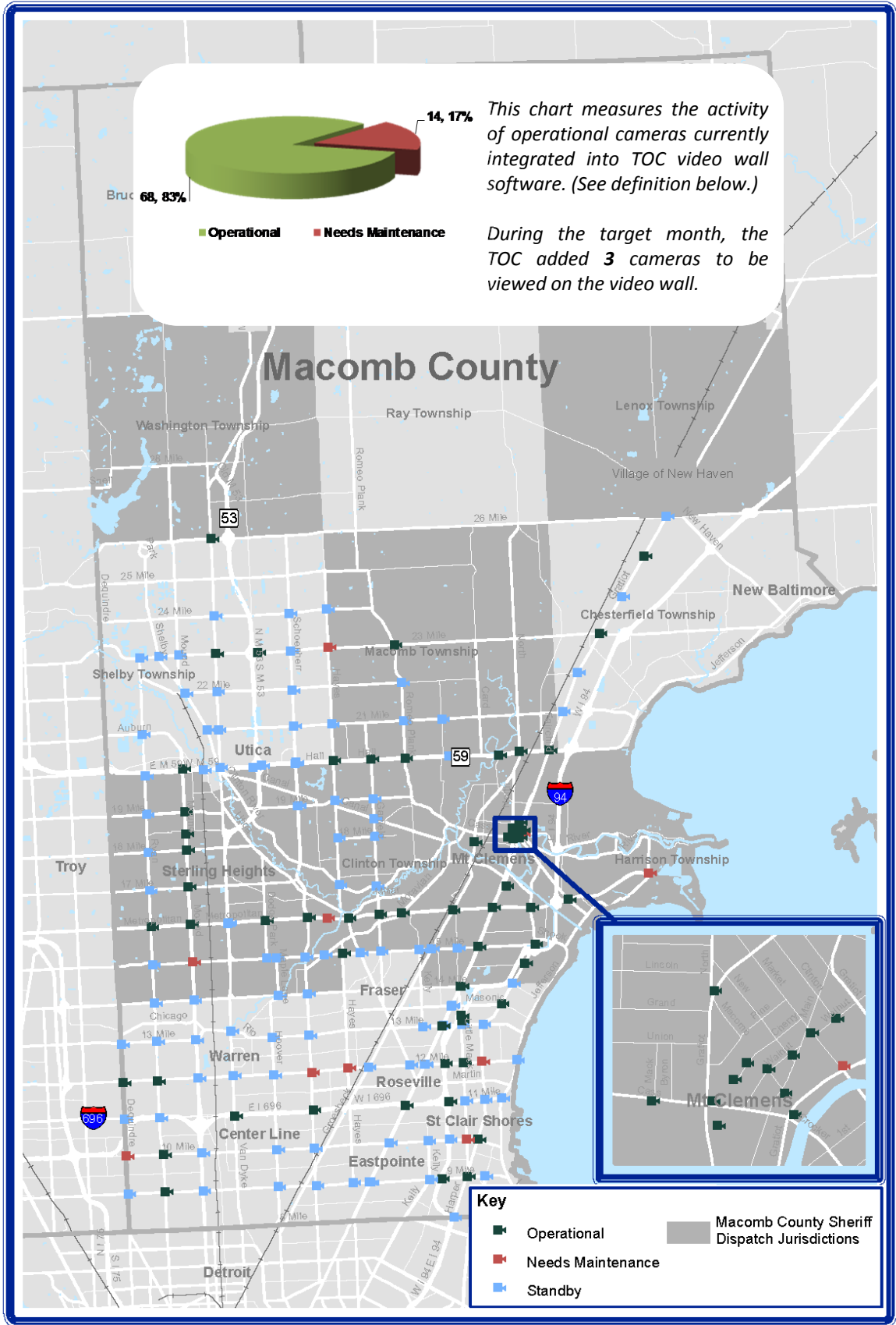
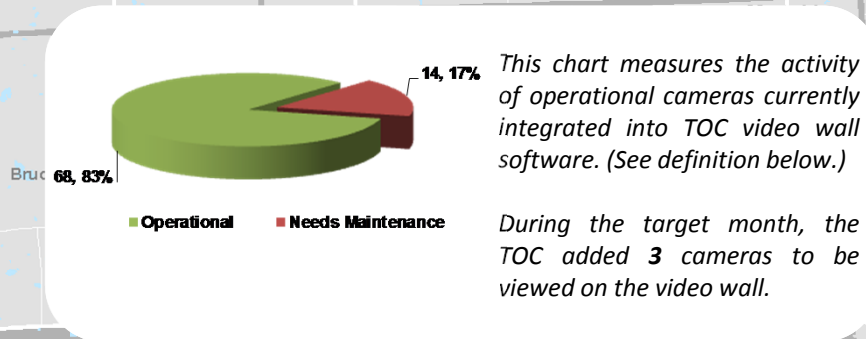
Out of the many projects that occur on Macomb County roads, these projects potentially have the most impact to motorists.



Current Camera Locations

CAMERA COVERAGE

AUGUST 2015



Cameras currently deployed and under Macomb County Department of Roads jurisdiction.
 Cameras considered operational were available 90% of the target month.
 Cameras needing maintenance were available for less than 90% of the target month.
 Cameras in "Standby" have not yet been integrated into TOC video wall software.

