

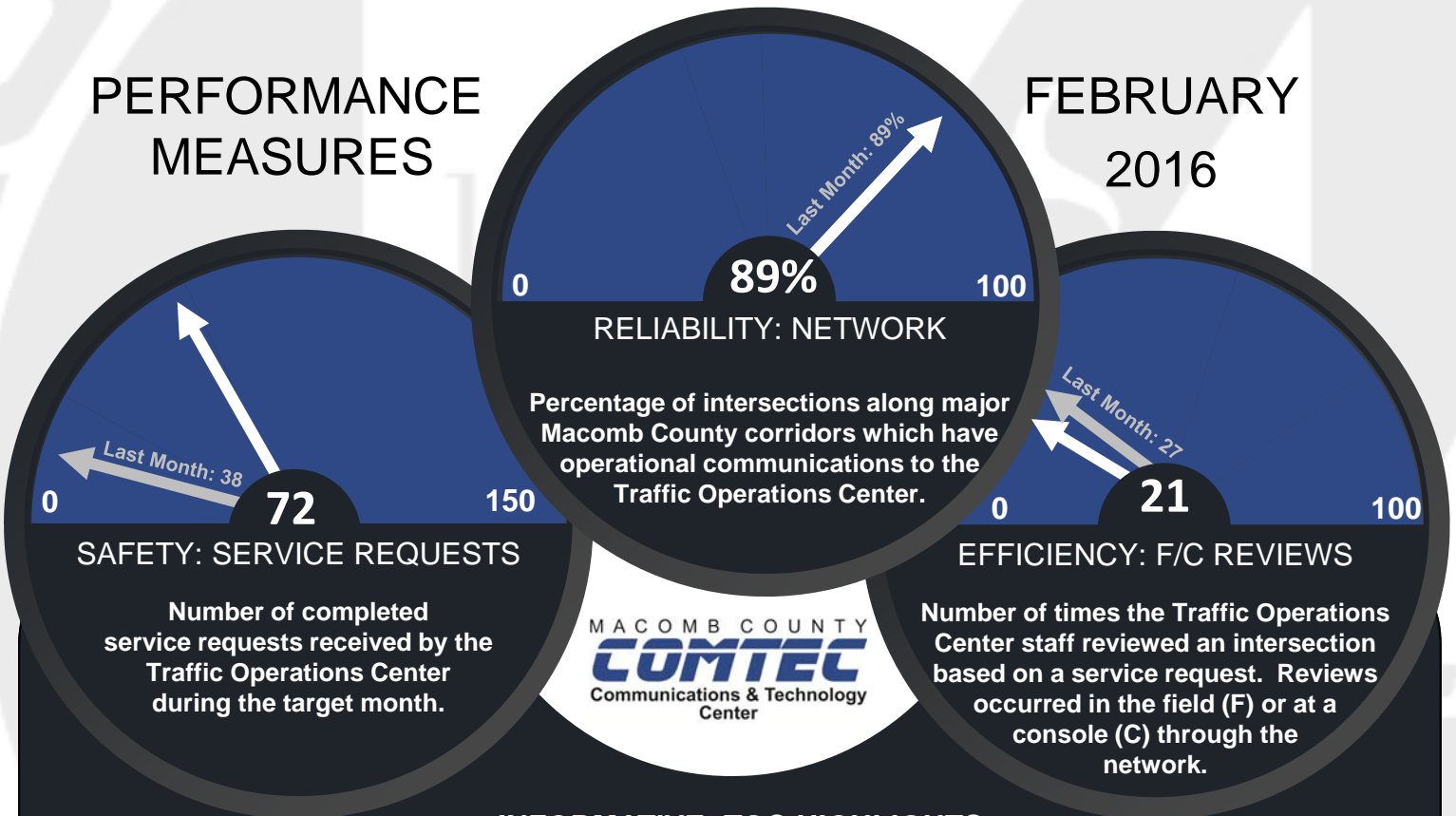
# MACOMB COUNTY DEPARTMENT OF ROADS

## 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

### FEBRUARY 2016



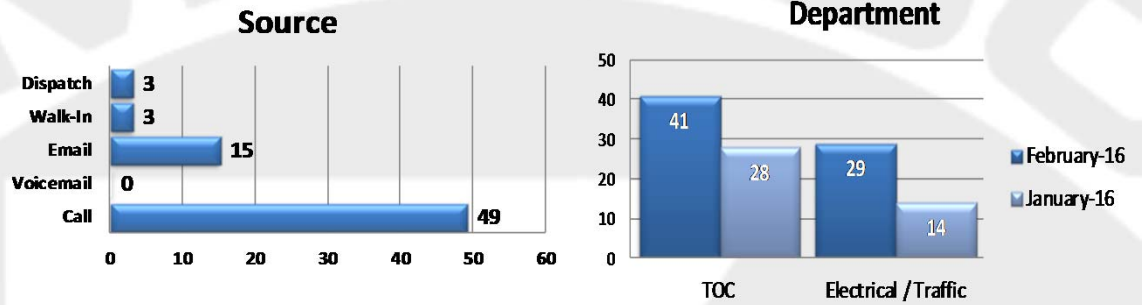
### INFORMATIVE: TOC HIGHLIGHTS

This month, the Macomb County Department of Roads (MCDR) Traffic Operations Center (TOC) received positive feedback based on recent changes made to signals in the northern part of the county. Specifically, after working on improving operations at 24 Mile Road and Schoenherr, a motorist wrote to thank MCDR leadership and the TOC for the improvements that were made at that location. As a frequent early-morning driver, the motorist brought a concern of delay to the TOC's attention, and after engineering review and analysis, the TOC engineers altered the operations of the signal for the early-morning timeslot before the 6 AM beginning of AM rush hour. The motorist wrote that this change has improved his morning commute to work in the Shelby Township area.

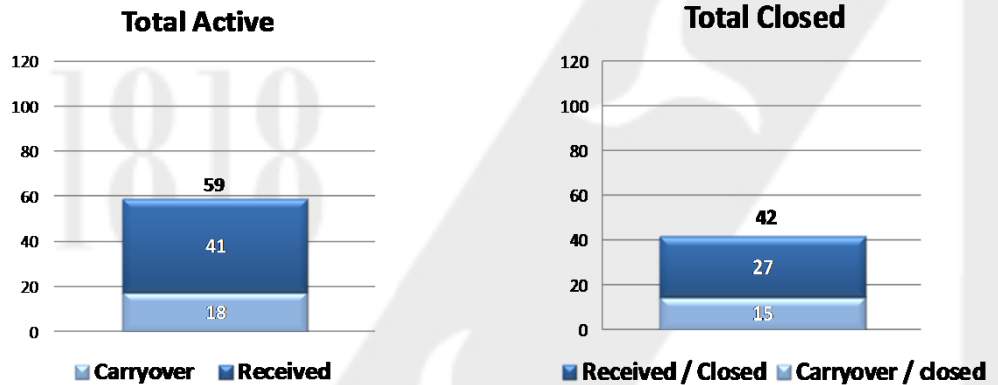


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## Service Requests

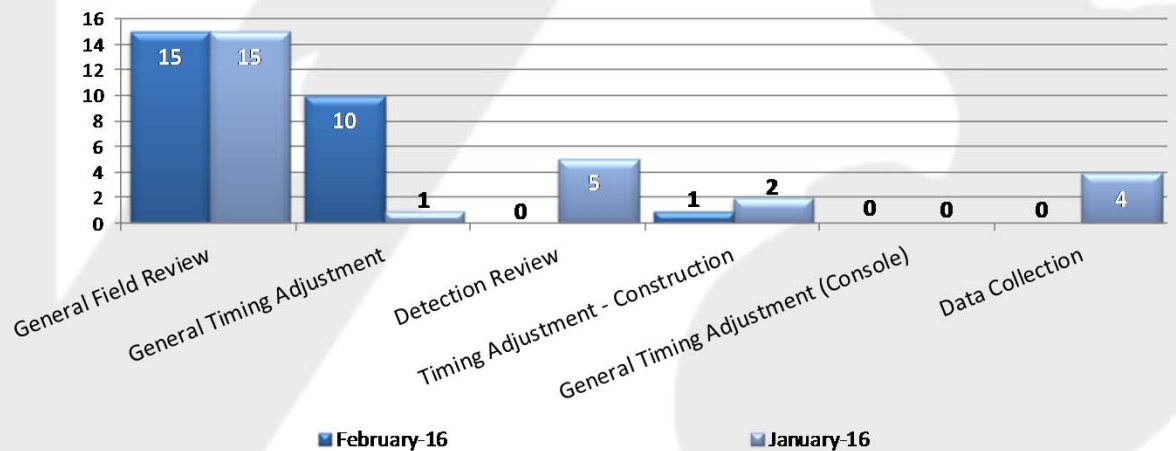


For the month of February, 70 incoming requests regarding traffic signals were received. The 'Source' chart shows how the service request was received by the TOC. The 'Department' chart shows the group handling the service request.



At the end of February, 17 service requests will carry over into March 2016.

## Field/Console Reviews Completed

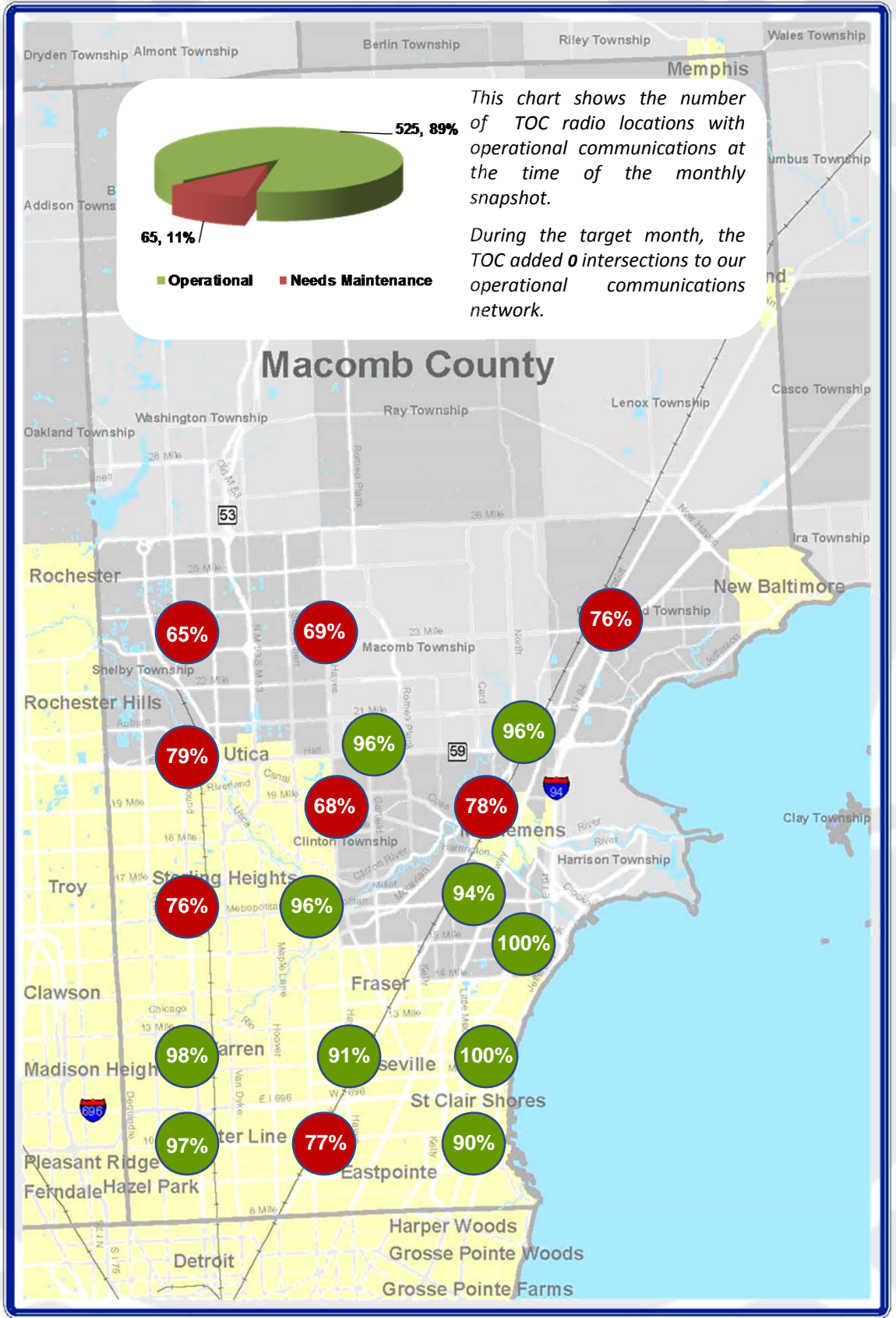


Compilation of the general field/console review types completed by the Traffic Operations Engineers. Field/console reviews are assigned after a public/stakeholder concern warrants an investigation. Reviews are either conducted in the field or at an Operator console through a network connection.

# Regional Communications Summary

ITS MAINTENANCE

FEBRUARY 2016



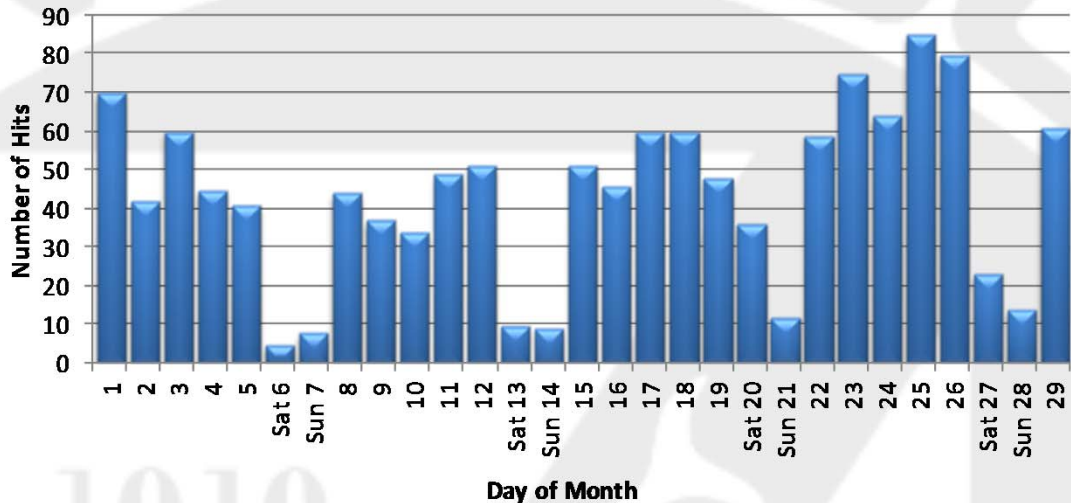
This chart shows the number of TOC radio locations with operational communications at the time of the monthly snapshot.

During the target month, the TOC added 0 intersections to our operational communications network.

Macomb County maintains 18 communications hubs which transmit data between the Traffic Operations Center and regions of traffic signal controllers across the County. The numbers above represent a one-time monthly snapshot of operational communication to each region. Regions considered to have operational communications (90% or above) are shown in green, while regions found not to have operational communications (<90%) at the time of the snapshot are shown in red.



## 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%	100%	0%
10 Mile	100%	100%	0%
I-696 Service Drive	100%	100%	0%
12 Mile	100%	100%	0%
14 Mile	100%	100%	0%
15 Mile	100%	100%	0%
Metro Parkway	100%	100%	0%
Hall (M-59)	96%	98%	-2%
Dequindre	100%	100%	0%
Ryan	100%	100%	0%
Mound	100%	100%	0%
Hoover	100%	100%	0%
Schoenherr	100%	100%	0%
Hayes	100%	100%	0%
Gratiot (M-3)	100%	97%	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.

## Executed Roadway Upgrades

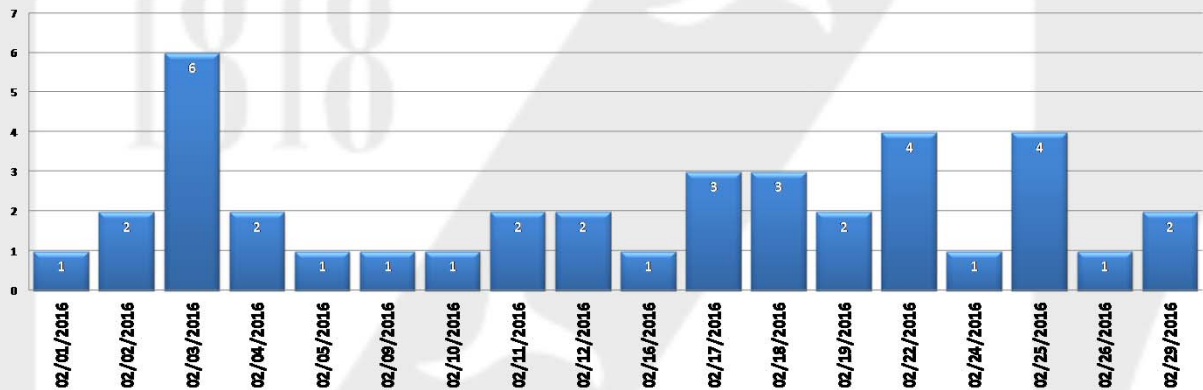
Date	Location	Organization	Upgrade
2/29/2016	635: 32 Mile at Powell	MCDR	New controller installed
2/29/2016	882: 32 Mile at Romeo High School	MCDR	New controller installed
2/29/2016	825: Van Dyke at Gates/Prospect	MCDR	New controller installed
2/29/2016	944: Armada Center at Blakes Cider Mill	MCDR	New controller installed
2/22/2016	22: 15 Mile (Viceroy to Harper)	Kimly-Horn	Optimization

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

## GovDelivery Notifications

In the month of February, the TOC sent out 39 GovDelivery notifications, and increased the number of recipients from 226 to 241 receiving notifications.

Note: The chart below only shows data for the days GovDelivery notifications were sent from the TOC.



GovDelivery is a tool to notify Macomb County motorists of any incident blocking at least one lane of traffic, or causing traffic issues. The notifications are only sent after the incident has been verified by camera, Sheriff and/or local police agencies.



[Sign up for incident notifications on weekdays from 6 a.m. to 6 p.m. causing lane or roadway closures on major Macomb County arterials.](#)

## Major Construction and Maintenance

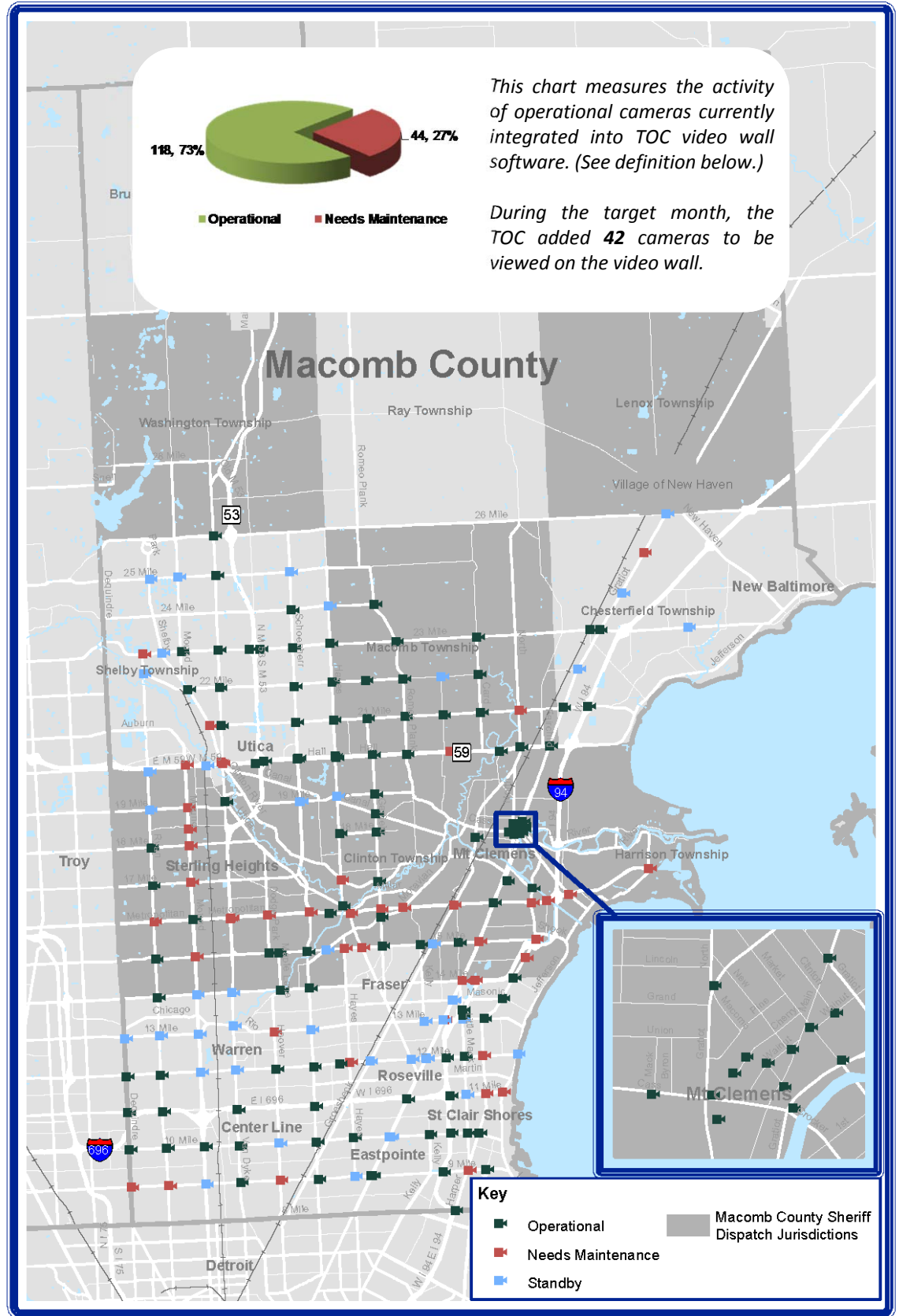
Project Parameters	Start Date	Approximate Completion Date	Location(s)
Construction	03/26/2015	To be determined	32 Mile between Powell and Romeo Plank
Construction	10/29/2014 updated 06/05/2015	To be determined	24 Mile between Schoenherr and Hayes
Construction	06/18/2015	To be determined	24 Mile between Van Dyke (M-53) and Jewell
Construction	06/18/2015	To be determined	WB 24 Mile from Brookfield to Shelby
Construction	07/20/2015	05/15/2016	Metro Parkway between Groesbeck (M-97) and Gratiot (M-3)
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	11/6/2015	To be determined	Shook Road Bridge over the Clinton-Harrison Drain
Construction	11/19/2015	To be determined	Quinn Road Bridge located between Oakview and I-94

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

FEBRUARY 2016



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.

