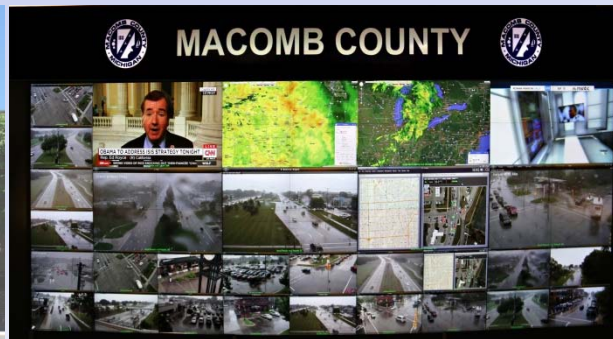


MACOMB COUNTY DEPARTMENT OF ROADS

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



December 2018

AECOM

WSP

**INTEGRAL
BLUE**



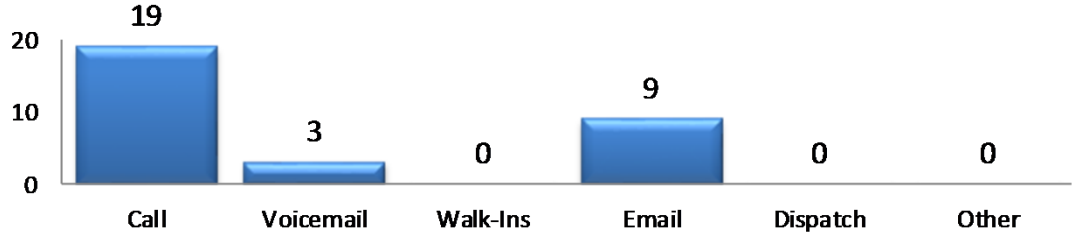
John Abraham, PhD, PE, PTOE
Director of Traffic & Operations
Macomb County Department of Roads
117 S Groesbeck Hwy
Mount Clemens, MI 48043
586-463-8671
JAbraham@RCMCWeb.org

INFORMATIVE TOC HIGHLIGHT

In the month of December the Macomb County Department of Roads (MCDR) Traffic Operations Center (TOC) hosted the training course for RSU'S (Road Side Unit) and Connected Vehicles. The training is necessary into the county's push for connected vehicles, which have the potential to transform the way county residents travel with the creation of a safe, wireless communications network system. This new system will be the onset for a multitude of new applications that will make our roads safer, less congested, and more ecofriendly. The potential benefits of connected vehicle applications here in Macomb County are immense.

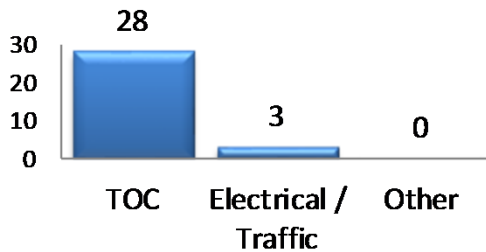
SERVICE REQUESTS

Source



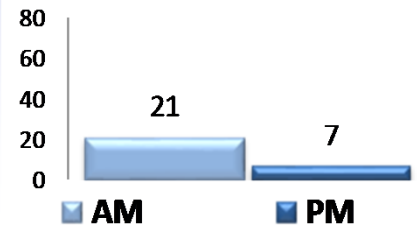
In the month of December, 31 incoming requests regarding traffic signals were received. The 'Source' chart shows how the service request was received by the TOC.

Service Request by Dept.

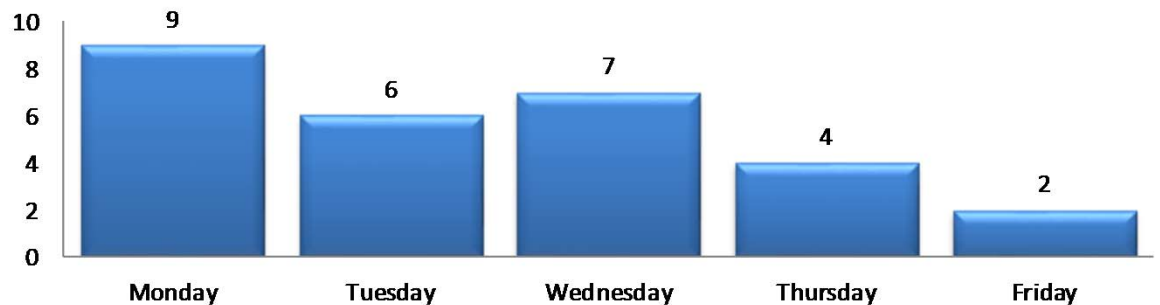


In the month of December, the TOC engineers closed 36 service requests within an average of 10 business days.

TOC AM/PM Requests



Service Request Per Day of Week



TRAFFIC OPERATIONS

December 2018

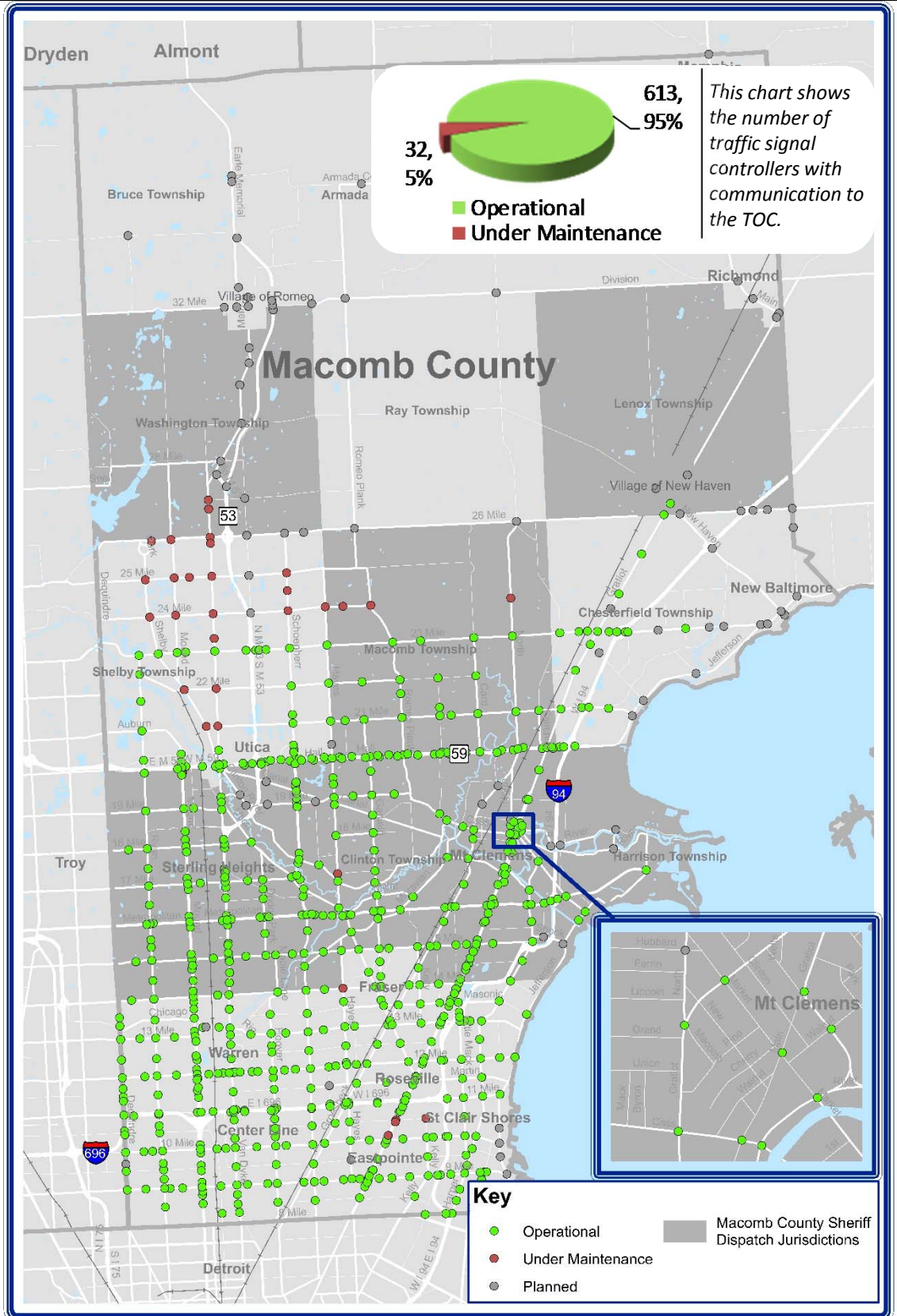


AECOM

REGIONAL COMMUNICATIONS SUMMARY

ITS MAINTENANCE

December 2018



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

Locations considered to have operational communications are shown in **green**, while locations found not to have operational communications due to needed maintenance at the time of the snapshot are shown in **red**. Locations that are "Planned" have not yet been integrated into TOC network.



COUNTY CORRIDOR COMMUNICATIONS AVAILABILITY

Corridor	Current Month	Previous Month	Change
9 Mile	100%	100%	0%
14 Mile	93%	93%	0%
15 Mile	100%	95%	5%
Metro Parkway	100%	100%	0%
Hall (M-59)	100%	98%	2%
Ryan	100%	93%	7%
Mound	98%	96%	2%
Hoover	100%	100%	0%
Schoenherr	92%	92%	0%
Hayes	88%	92%	-4%
Gratiot (M-3)	95%	98%	-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**.

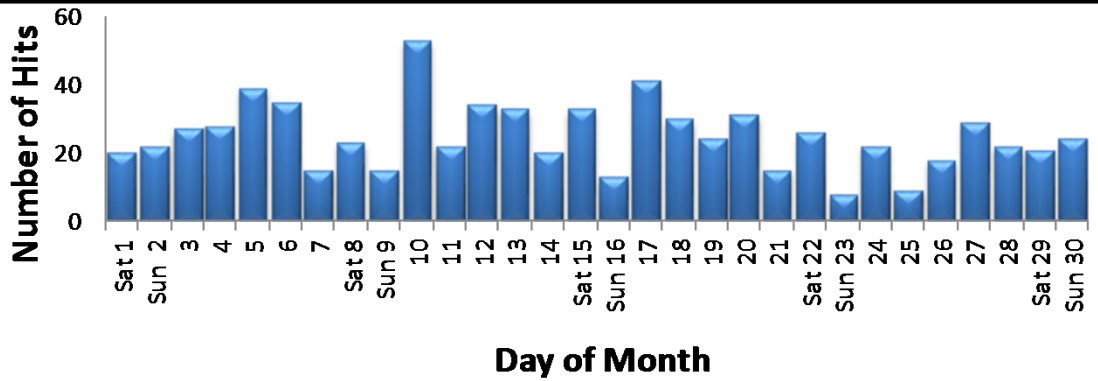
EXECUTED TRAFFIC SIGNAL UPGRADES

Nov	Location	Upgrade
N/A	N/A	N/A

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

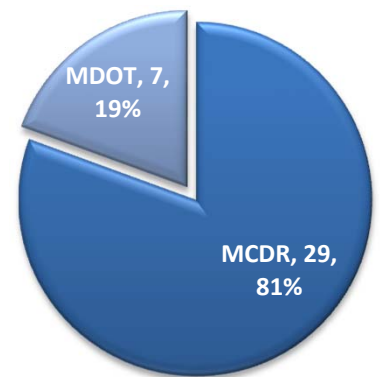
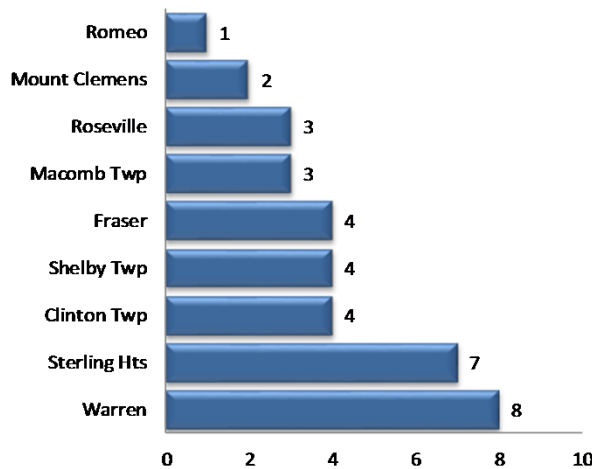


MCDR WEBSITE HITS



A total of 760 hits were accrued at <http://roads.macombgov.org/>.

SERVICE REQUESTS PER MUNICIPALITY



The chart to the left shows how many requests were created per traffic signal location under municipality jurisdiction and the chart to the right shows breakdown of the requests created under MDOT or MCDR / local municipality jurisdiction.

GOVDELIVERY NOTIFICATIONS

In the month of December, the TOC sent out 79 GovDelivery notifications, and increased the number of recipients from 1,252 to 1,275 receiving notifications.

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



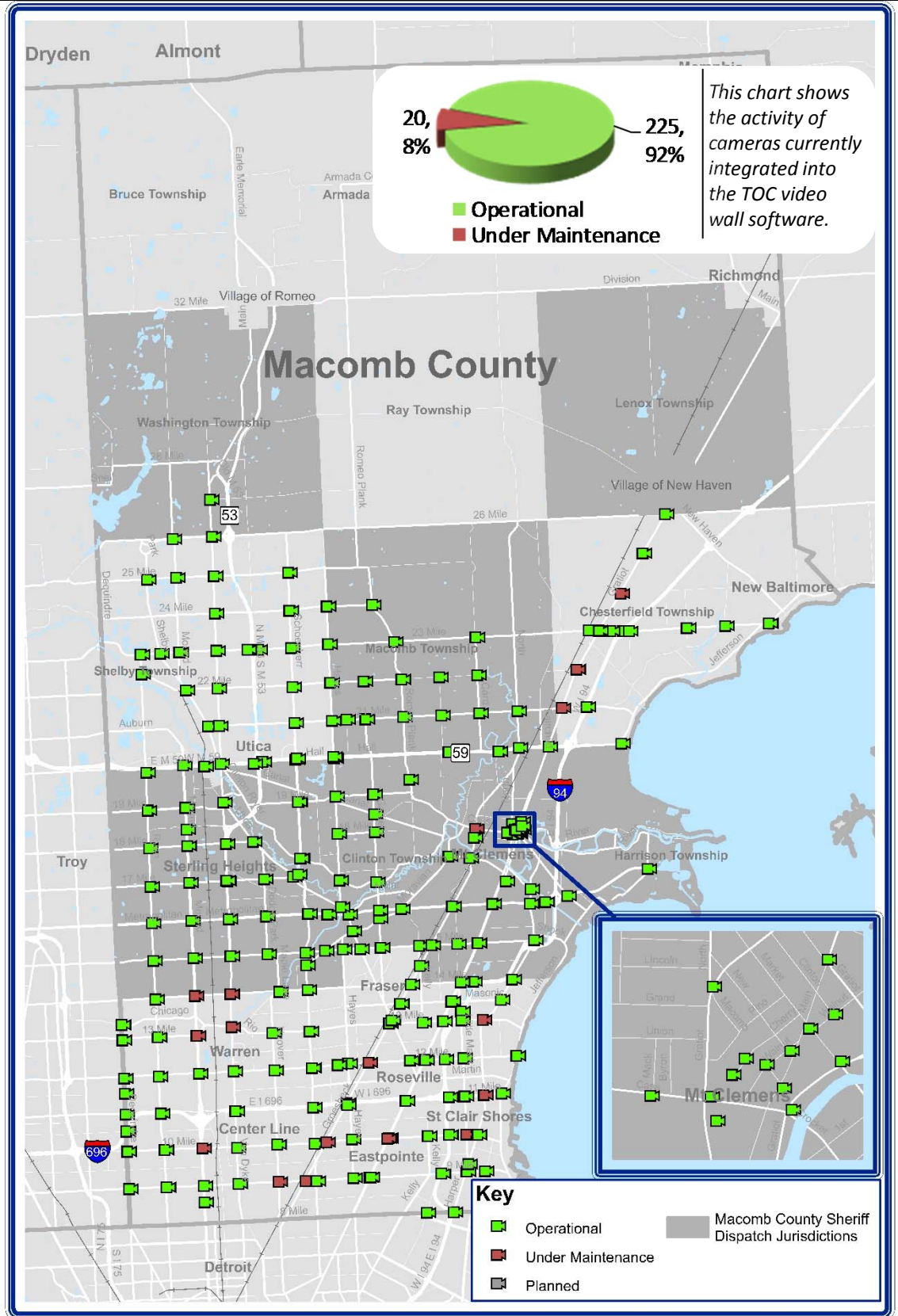
GovDelivery is a tool to notify Macomb County motorists of any incident blocking at least one lane of traffic, or causing traffic issues. The notifications are only sent after the incident has been verified.

[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.](#)

CURRENT CAMERA LOCATIONS

CAMERA COVERAGE

December 2018



During the target month, the TOC added 0 cameras to be viewed on the video wall.

Cameras considered to have operational communications are shown in **green**, while cameras found not to have operational communications due to needed maintenance at the time of the snapshot are shown in **red**. Cameras that are "Planned" have not yet been integrated into TOC video wall software.

