

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."
- MCDR TOC Mission Statement*

PERFORMANCE MEASURES



October 2020

AECOM

WSP

**INTEGRAL
BLUE**



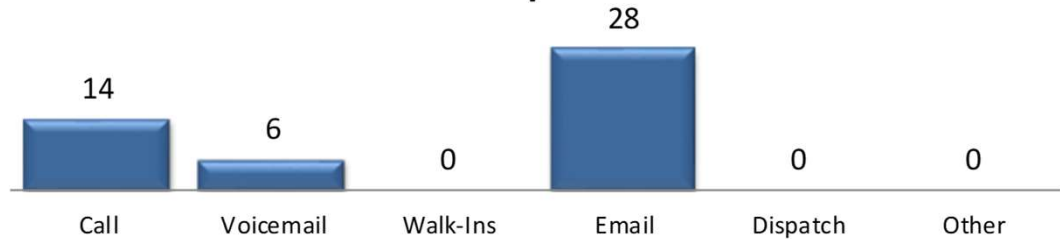
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MONTHLY TOC HIGHLIGHT

During the month of September, TOC IT/ITS technicians completed a Line of Sight (LOS) survey for Macomb County. A LOS survey is a method for reviewing the quality of connection between two radio locations. A clear radio pathway is required for strong communication signals. This survey provides information for improving TOC network communications. The TOC used a new method for performing the study. Generally, LOS surveys use bucket trucks to get to the height of the radio. This time, MCDR used a drone to perform the work. The use of a drone provides significant cost savings in relation to time, staff hours, and equipment. The survey was completed on October 16th. As result of the successful usage of the drone, additional surveys are planned for December.

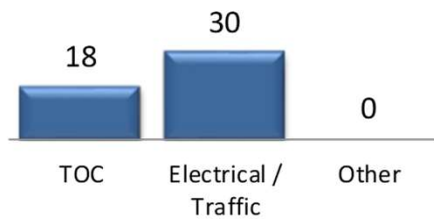
SERVICE REQUESTS

Service Request Source



In the month of October, **48** incoming requests regarding traffic signals were received.

Service Request by Dept.

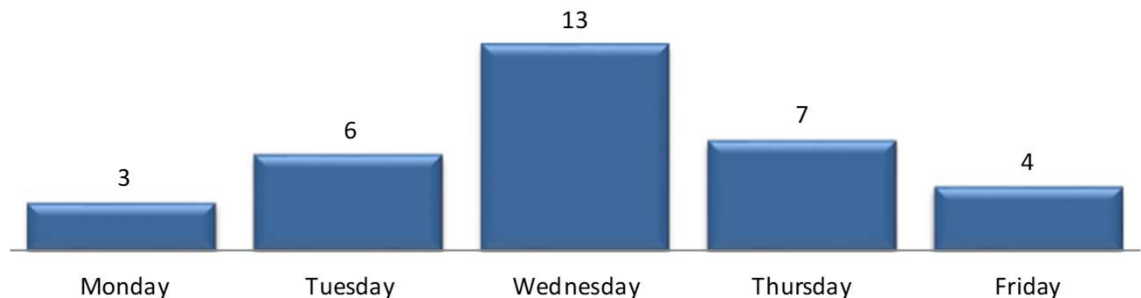


In the month of October, TOC engineers closed **18** service requests within an average of **5** business days.

TOC by Time of Day



Service Request Per Day of Week



TRAFFIC OPERATIONS

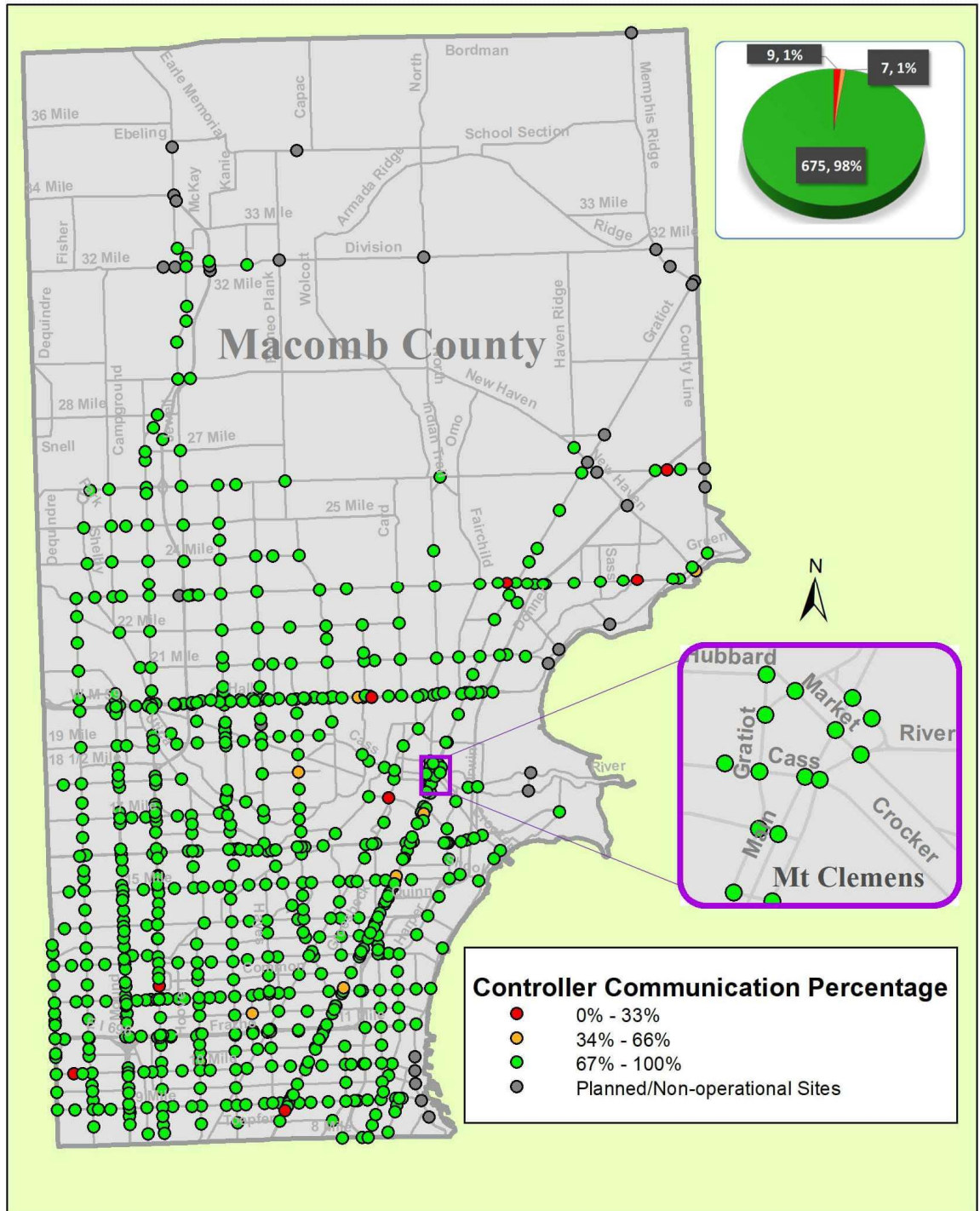
October 2020



REGIONAL COMMUNICATIONS SUMMARY

ITS MAINTENANCE

October 2020



The map above represents the communication availability percentages of Traffic Signal Controllers for the month of October 2020.



HIGH IMPACT CORRIDOR COMMUNICATIONS AVAILABILITY

Corridor	Current Month	Previous Month	Change
9 Mile	100%	100%	0%
14 Mile	100%	93%	7%
15 Mile	100%	100%	0%
Metro Parkway	97%	100%	-3%
Hall (M-59)	100%	100%	0%
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)	97%	98%	-1%
Harper	100%	100%	0%

The table above represents a one-time monthly snapshot of communications along major corridors in Macomb County.

FIELD WORK

7 sites visited by IT/ITS maintenance technicians with the MCDR Electrical Group in October 2020.



TRAFFIC SIGNAL CONTROLLER CHANGES

Time of signal change	Loc #	Intersection	Reason for signal change
10/1/20 1:50 PM	146	14 Mile Road/Utica Road	Construction
10/5/20 3:31 PM	420	Chicago Road/GM Gate (1/3 Mile W. of Van Dyke)	Service Request
10/5/20 3:45 PM	450	12 Mile Road/Crossover 439' W. of Van Dyke	Traffic Study
10/7/20 11:48 AM	196	Groesbeck (M-97)/Martin	Construction
10/9/20 12:55 PM	875	Corporate Drive/Shelby Parkway/23 Mile Road	Construction
10/9/20 2:30 PM	15	M-53 NB Off Ramp/23 Mile Road	Construction
10/9/20 2:39 PM	555	Shelby Road/22 Mile Road	Service Request
10/12/20 11:28 AM	1075	29 Mile Road/Jewell	Special Event
10/13/20 8:46 AM	396	15 Mile Road/Schoenherr	Congestion
10/13/20 4:29 PM	324	23 Mile Road/Van Dyke	Construction
10/14/20 7:36 AM	886	I-94 EB Off Ramp/M-19/New Haven	Service Request
10/14/20 4:50 PM	655	Schoenherr/24 Mile Road	Service Request
10/15/20 3:53 PM	134	15 Mile Road/Groesbeck (M-97)	Construction
10/22/20 12:40 PM	511	Hayes/24 Mile Road	Service Request
10/22/20 12:40 PM	143	14 Mile Road/Groesbeck (M-97)	Construction
10/22/20 12:40 PM	143	14 Mile Road/Groesbeck (M-97)	Construction
10/23/20 10:01 AM	324	23 Mile Road/Van Dyke	Construction
10/23/20 10:27 AM	324	23 Mile Road/Van Dyke	Construction
10/27/20 4:50 PM	235	Hoover/Toepfer	Service Request
10/29/20 1:29 PM	416	14 Mile Road/Hayes	Construction
10/29/20 3:24 PM	289	Nine Mile Road/Van Dyke	Construction
10/29/20 3:24 PM	230	Hoover/Nine Mile Road	Construction

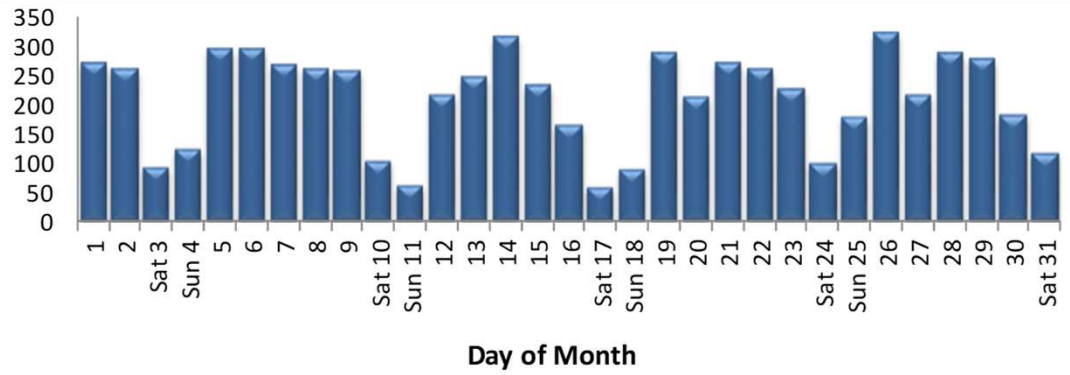
Traffic signal changes performed by TOC engineers.

SIGNAL INFORMATION

October 2020

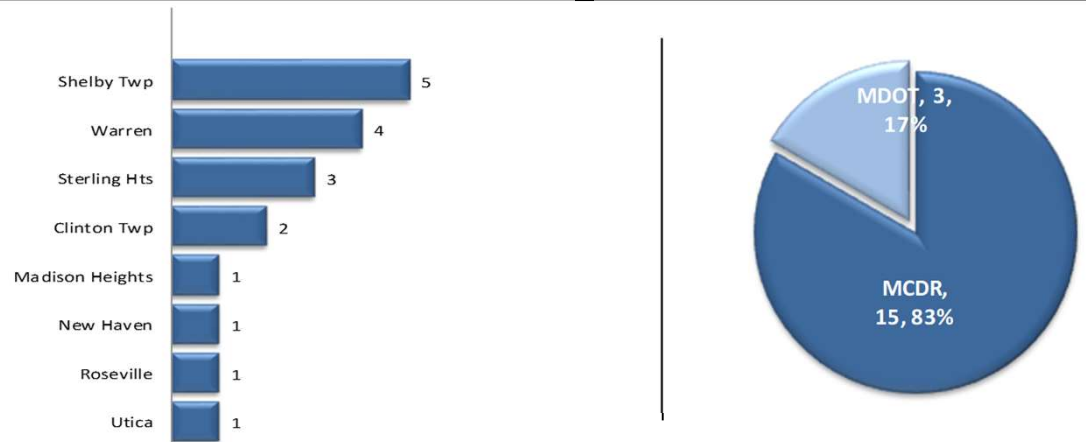


MCDR WEBSITE HITS



A total of **6,519** hits were accrued at <http://roads.macombgov.org/>.

SERVICE REQUESTS PER MUNICIPALITY



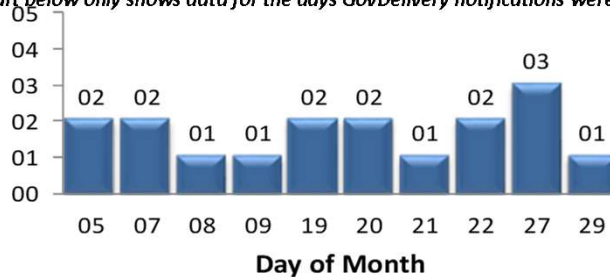
Number of Service Requests

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

GOVDELIVERY NOTIFICATIONS

In the month of October, the TOC sent out **17** GovDelivery notifications, and increased the number of recipients from **2,129** to **2,169** 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 sent after an incident has been verified.

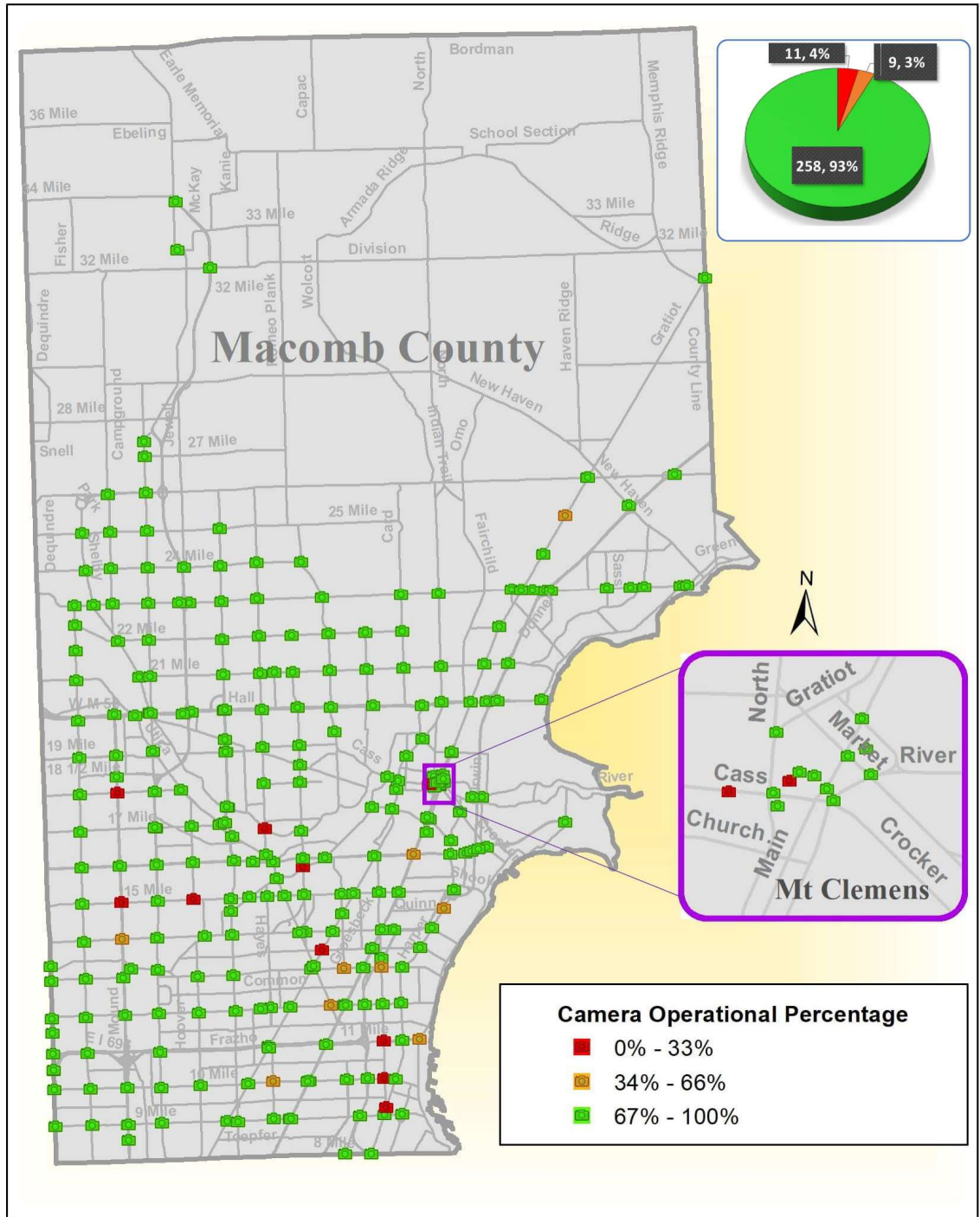
[Sign up for incident notifications on weekdays from 6 a.m. to 6 p.m. causing lane or roadway closures on major Macomb County arterials.](#)



CCTV TRAFFIC CAMERA SUMMARY

CAMERA COVERAGE

October 2020



The map above represents the CCTV camera operational percentages for the month of October 2020.

