

# 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 2021**

**AECOM**

**WSP**

**INTEGRAL  
BLUE**



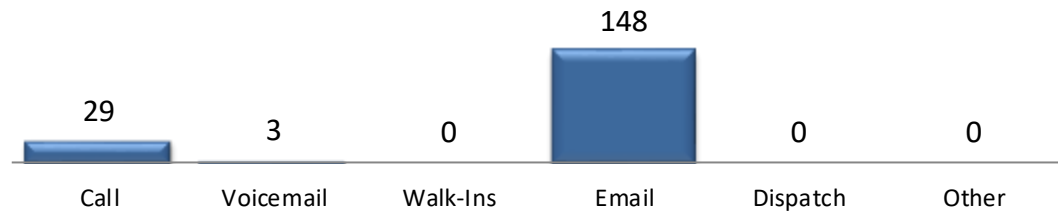
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# MONTHLY TOC HIGHLIGHT

The Macomb County Department of Roads (MCDR) Traffic Operations Center (TOC) continues to improve the systems and procedures for maintaining and managing our traffic operations network. Through recent advancements in strategies and the hard work and dedication of TOC staff, communications along the transportation infrastructure was able to increase the traffic signal controller communications to an up-time of 97%. This increased availability allows for more responsive real-time signal timing changes, troubleshooting, and management.

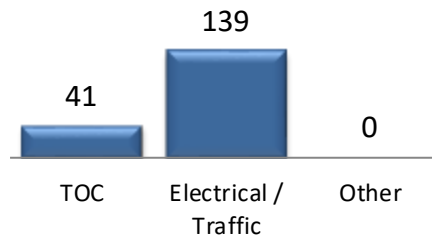
## SERVICE REQUESTS

### Service Request Source



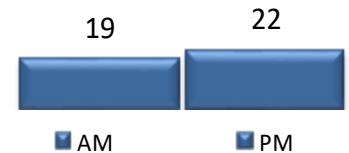
In the month of October, **180** incoming requests regarding traffic signals were received.

### Service Request by Dept.

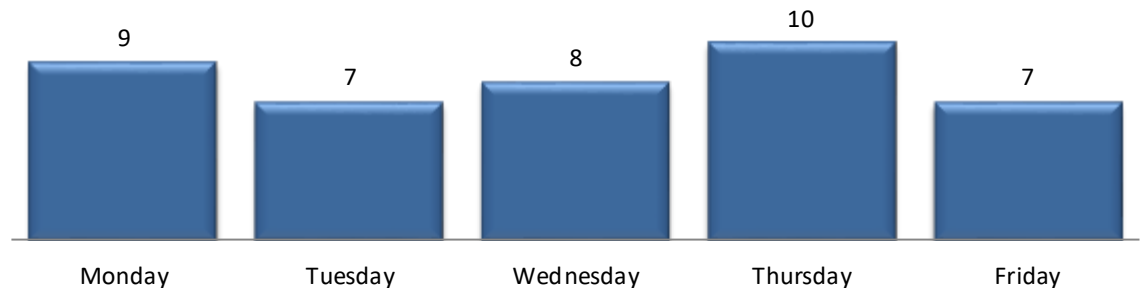


In the month of October, TOC engineers closed **47** service requests within an average of **6** business days.

### TOC by Time of Day



### Service Request Per Day of Week



TRAFFIC OPERATIONS

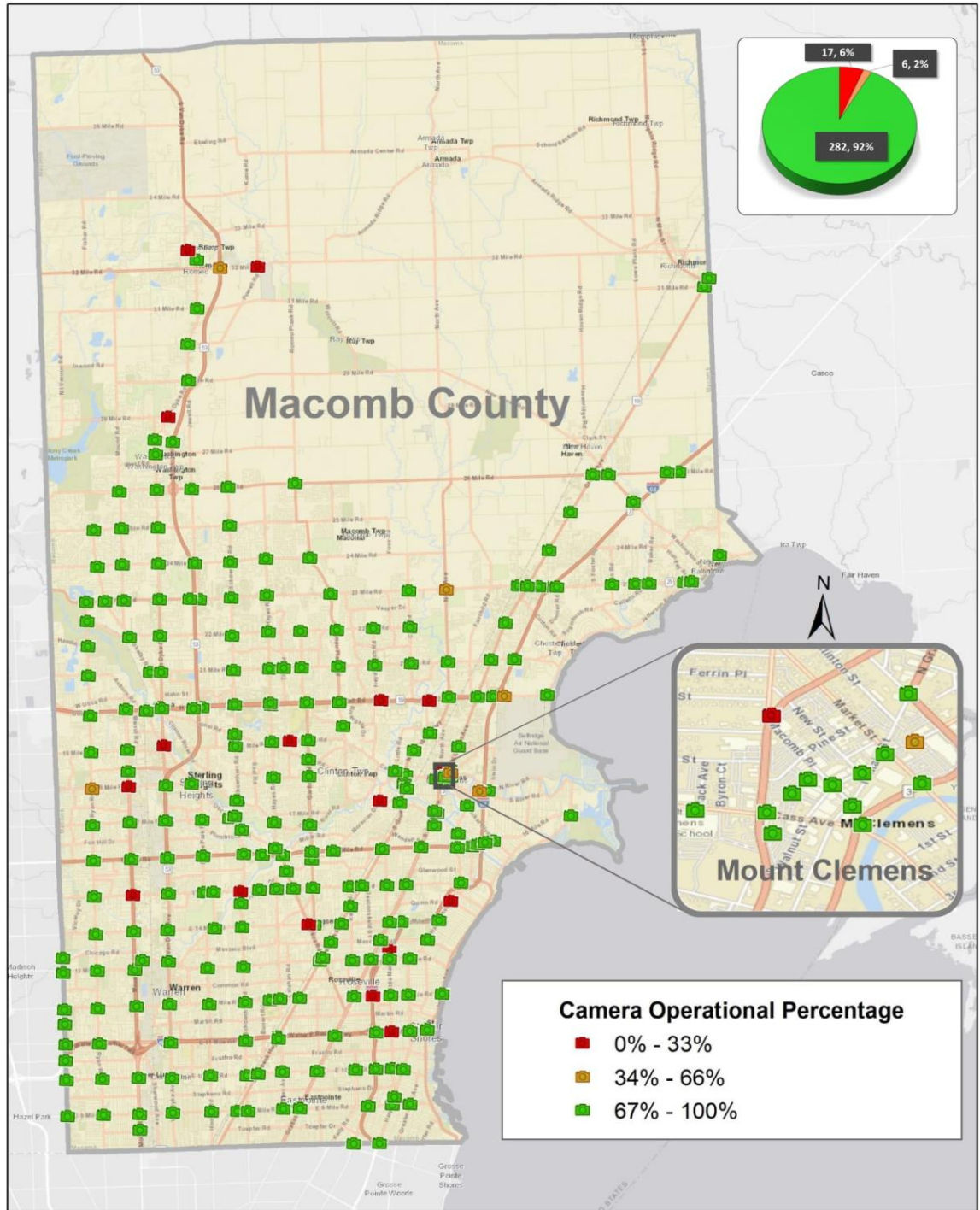
October 2021



# CCTV TRAFFIC CAMERA SUMMARY

## CAMERA COVERAGE

October 2021



The map above represents the CCTV camera operational percentages for the month of October 2021.

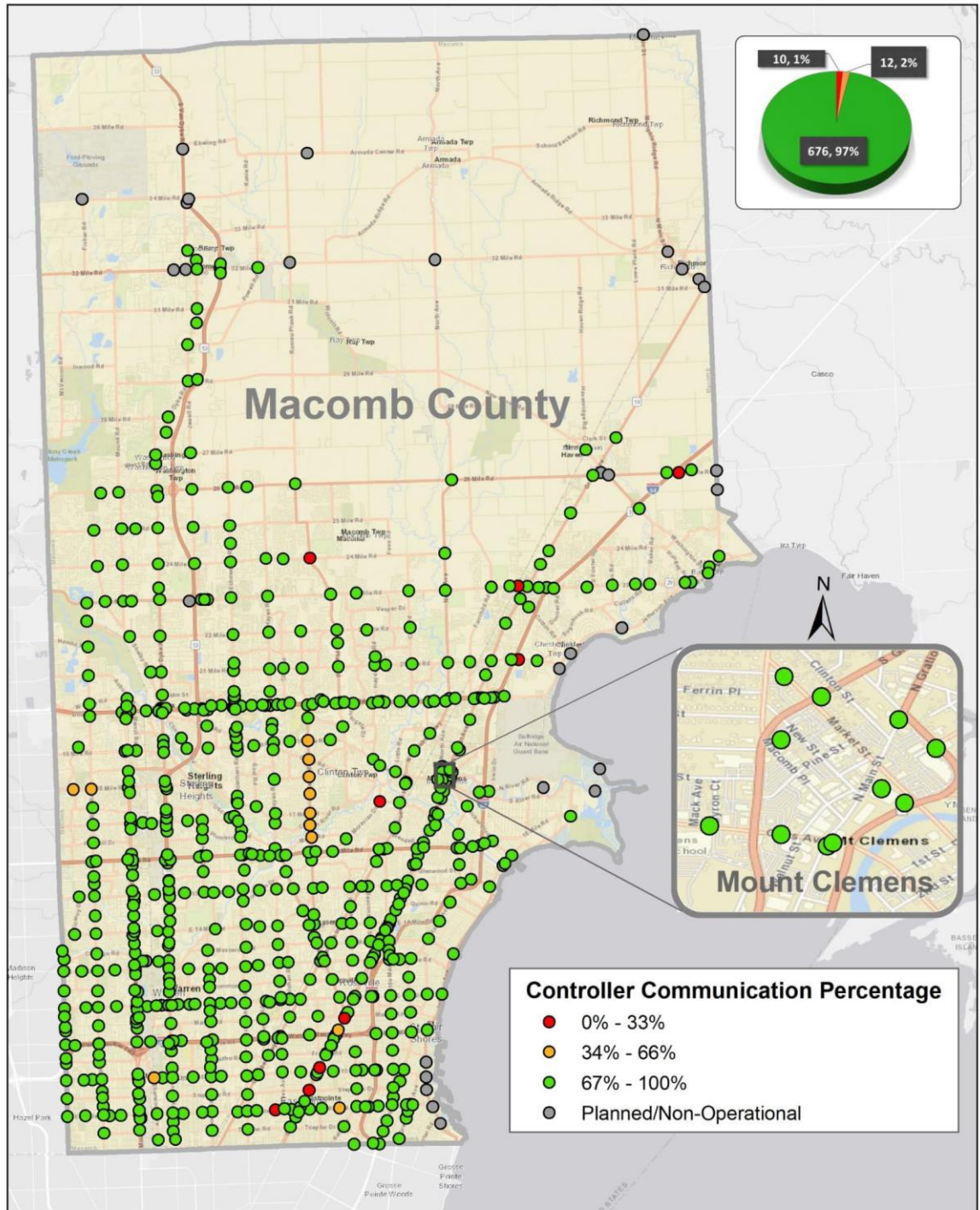




# REGIONAL COMMUNICATIONS SUMMARY

## ITS MAINTENANCE

October 2021



The map above represents the communication availability percentages of Traffic Signal Controllers for the month of October 2021.



# HIGH IMPACT CORRIDOR COMMUNICATIONS AVAILABILITY

Corridor	Current Month	Previous Month	Change
9 Mile	95%	95%	0%
14 Mile	99%	98%	1%
15 Mile	99%	99%	0%
Metro Parkway	99%	99%	0%
Hall Rd(M-59)	99%	99%	0%
Dequindre	87%	90%	-3%
Ryan	97%	97%	0%
Mound	99%	97%	2%
Hoover	99%	98%	1%
Schoenherr	98%	97%	1%
Hayes	99%	96%	3%
Gratiot(M-3)	95%	92%	3%
Harper	99%	90%	9%

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

## FIELD WORK

*89 sites visited by TOC staff and 5 sites visited by IT/ITS maintenance technicians and the MCDR Electrical Group in October 2021.*

## SIGNAL TIMING CHANGES

*Traffic signal changes performed by TOC engineers*

Time of Signal change	Loc #	Intersection	Reason for signal change
10/01/2021 12:42	Clinton River Road/Garfield	37	Service Request
10/01/2021 13:50	Gratiot (M-3)/21 Mile Road	185	Construction
10/01/2021 13:50	Fairchild/21 Mile Road	387	Construction
10/01/2021 13:50	North Avenue/21 Mile Road	482	Construction
10/01/2021 13:50	Groesbeck (M-97)/Hall Road (M-59)	193	Construction
10/02/2021 22:52	Hayes/21 Mile Road	11	Construction
10/05/2021 9:44	Groesbeck (M-97)/Hall Road (M-59)	193	Construction
10/05/2021 11:05	Harper/Nine Mile Road	219	Construction
10/08/2021 13:03	Hayes/19 Mile Road	519	Service Request
10/12/2021 14:01	North Avenue/21 Mile Road	482	Construction

**MAINTENANCE**

October 2021



# SIGNAL TIMING CHANGES

## CONTINUED

Time of Signal change	Loc #	Intersection	Reason for signal change
10/12/2021 14:01	Fairchild/21 Mile Road	387	Construction
10/12/2021 14:01	Gratiot (M-3)/21 Mile Road	185	Construction
10/18/2021 17:50	Jewell Road/26 Mile Road	816	Traffic Study
10/18/2021 17:51	Schoenherr/26 Mile Road	947	Traffic Study
10/18/2021 17:51	26 Mile Road/Duncan Elementary School	912	Traffic Study
10/18/2021 17:51	Romeo Plank/26 Mile Road	518	Traffic Study
10/19/2021 8:01	Gratiot (M-3)/21 Mile Road	185	Construction
10/19/2021 13:13	14 Mile Road/Gratiot	142	Incident
10/19/2021 13:13	Gratiot SB (M-3)/Crossover 600' N of 14 Mile Road	531	Incident
10/22/2021 13:23	North Avenue/21 Mile Road	482	Service Request
10/22/2021 14:59	Little Mack/Stephens	598	Service Request
10/22/2021 16:45	Jewell Road/26 Mile Road	816	Service Request
10/25/2021 14:44	Gratiot NB (M-3)/Crossover 475' S of 13 Mile Road	375	Incident
10/25/2021 14:44	Gratiot (M-3)/13 Mile Road	181	Incident
10/25/2021 14:44	Gratiot SB (M-3)/Crossover 375' N of 13 Mile Road	374	Incident
10/26/2021 12:21	Hayes/Utica Road	504	Service Request
10/27/2021 10:57	Metropolitan Parkway WB/Crossover 500' E of Groesbeck	618	Incident
10/27/2021 11:05	Metropolitan Parkway WB/Crossover 500' E of Groesbeck	618	Incident
10/28/2021 17:57	Ryan/12 Mile Road	303	Incident
10/28/2021 18:03	Ryan/12 Mile Road	303	Incident
10/29/2021 11:17	Groesbeck (M-97)/Harrington	195	Incident
10/29/2021 11:38	Groesbeck (M-97)/Harrington	195	Incident
10/29/2021 15:49	Cass/Heydenreich	734	Construction
10/29/2021 15:50	Cass/Moravian	534	Construction
10/29/2021 15:50	Cass/Clinton River Road	870	Construction

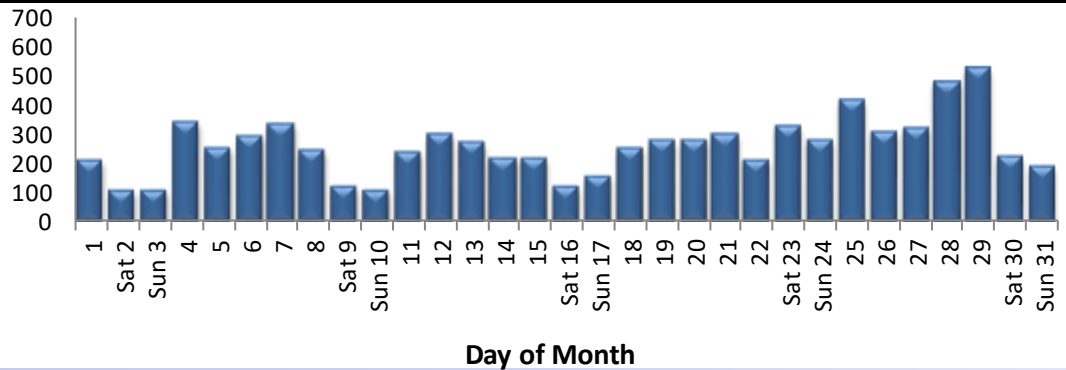
**MAINTENANCE**

October 2021



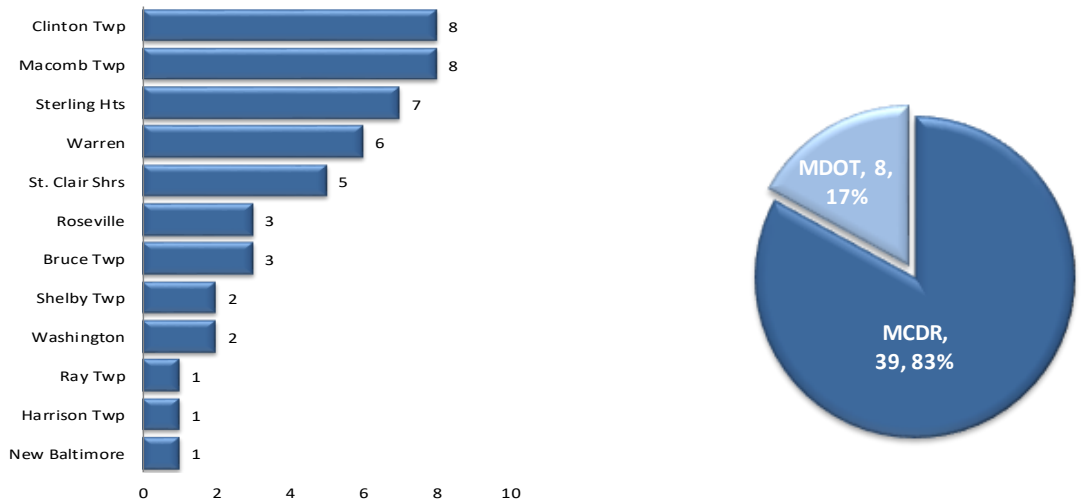
**AECOM**

## MCDR WEBSITE HITS



A total of **8,027** hits were accrued at <http://roads.macombgov.org/>.

## SERVICE REQUESTS PER MUNICIPALITY

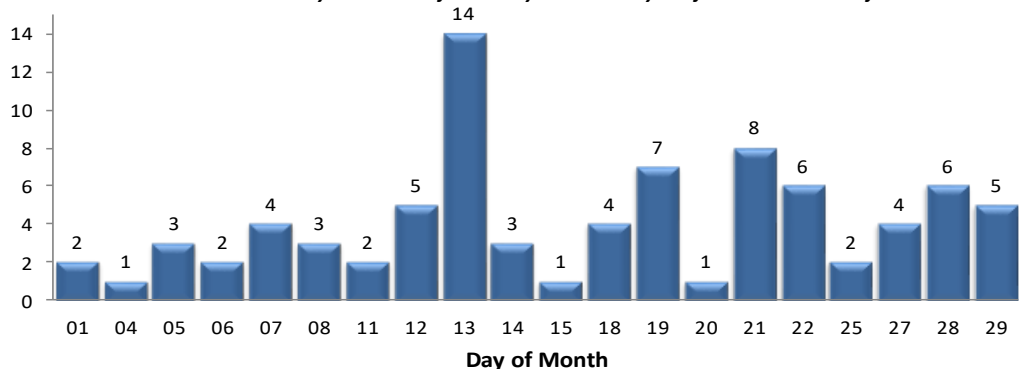


The chart to the left shows how many requests were created per traffic signal location under municipality jurisdiction. The chart to the right shows breakdown of the requests created under MDOT or MCDR / local municipality jurisdiction.

## GOVDELIVERY NOTIFICATIONS

In the month of October, the TOC sent out **83** GovDelivery notifications, and increased the number of recipients from **2,906** to **3,003** 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.](#)

