

# 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



**December 2021**

**AECOM**

**WSP**

**INTEGRAL  
BLUE**



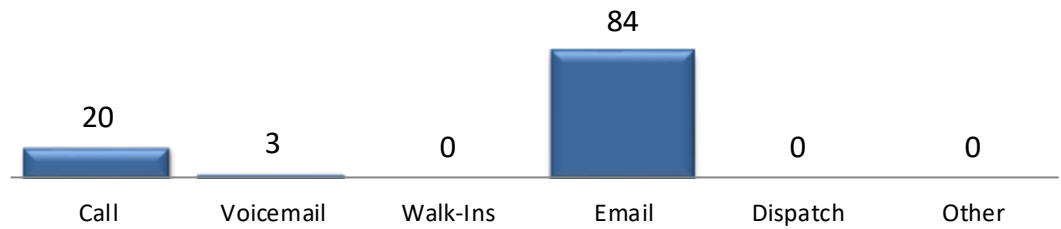
**John Abraham, PhD, PE, PTOE**  
Director of Traffic & Operations  
Macomb County Department of Roads  
117 S Groesbeck Hwy  
Mount Clemens, MI 48043  
586-463-8671  
[JAbraham@RCMCWeb.org](mailto:JAbraham@RCMCWeb.org)

# MONTHLY TOC HIGHLIGHT

In December, collaboration was the highlight of the Macomb County Department of Roads' Traffic Operations Center (TOC). For example, the TOC's control room technicians and traffic operations engineers coordinated strategic information with the South-East Michigan TOC (SEMTOC) and first responders as part of managing a major incident on eastbound I-94 at Metro Parkway that lasted for over nine hours. The TOC managed many similar incidents throughout 2021 and significantly improved collaboration with SEMTOC, working as one team to move Macomb motorists quickly and safely.

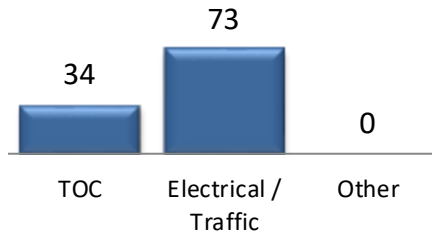
## SERVICE REQUESTS

### Service Request Source



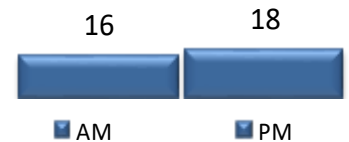
In the month of December, **107** incoming requests regarding traffic signals were received.

### Service Request by Dept.

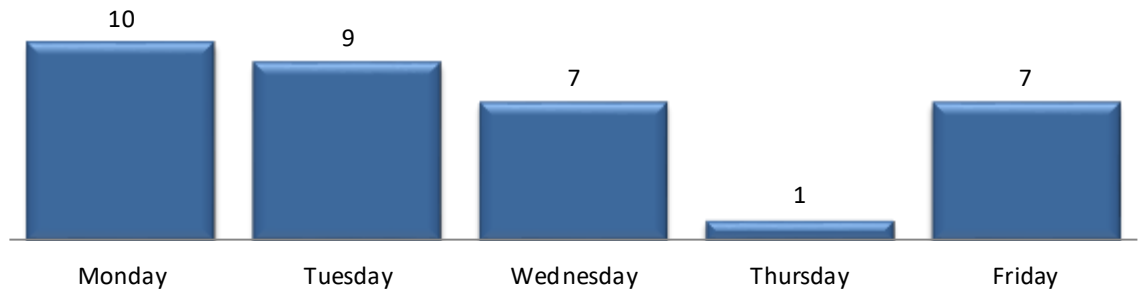


In the month of December, TOC engineers closed **42** service requests within an average of **6** business days.

### TOC by Time of Day



### Service Request Per Day of Week



TRAFFIC OPERATIONS

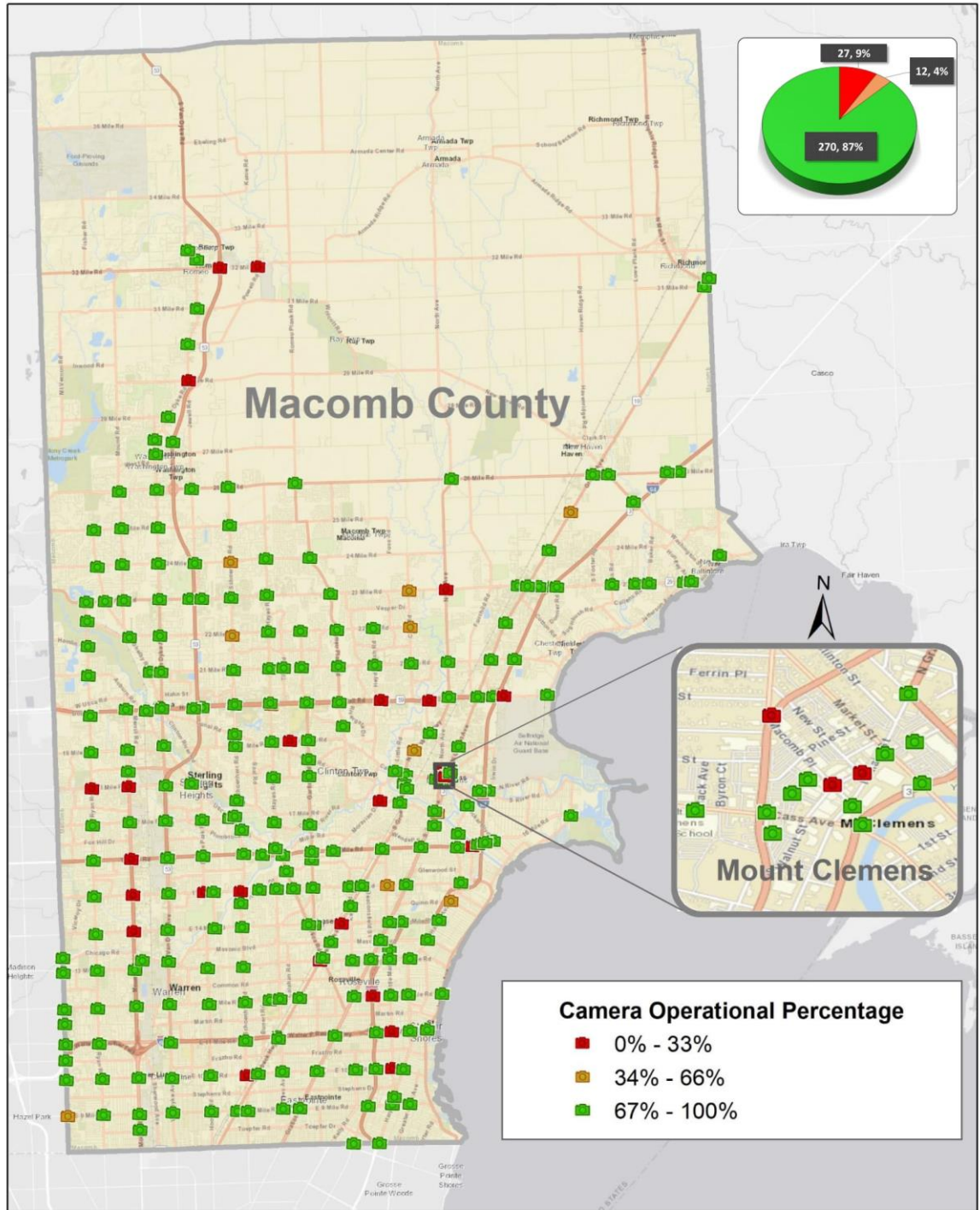
December 2021



# CCTV TRAFFIC CAMERA SUMMARY

## CAMERA COVERAGE

December 2021



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

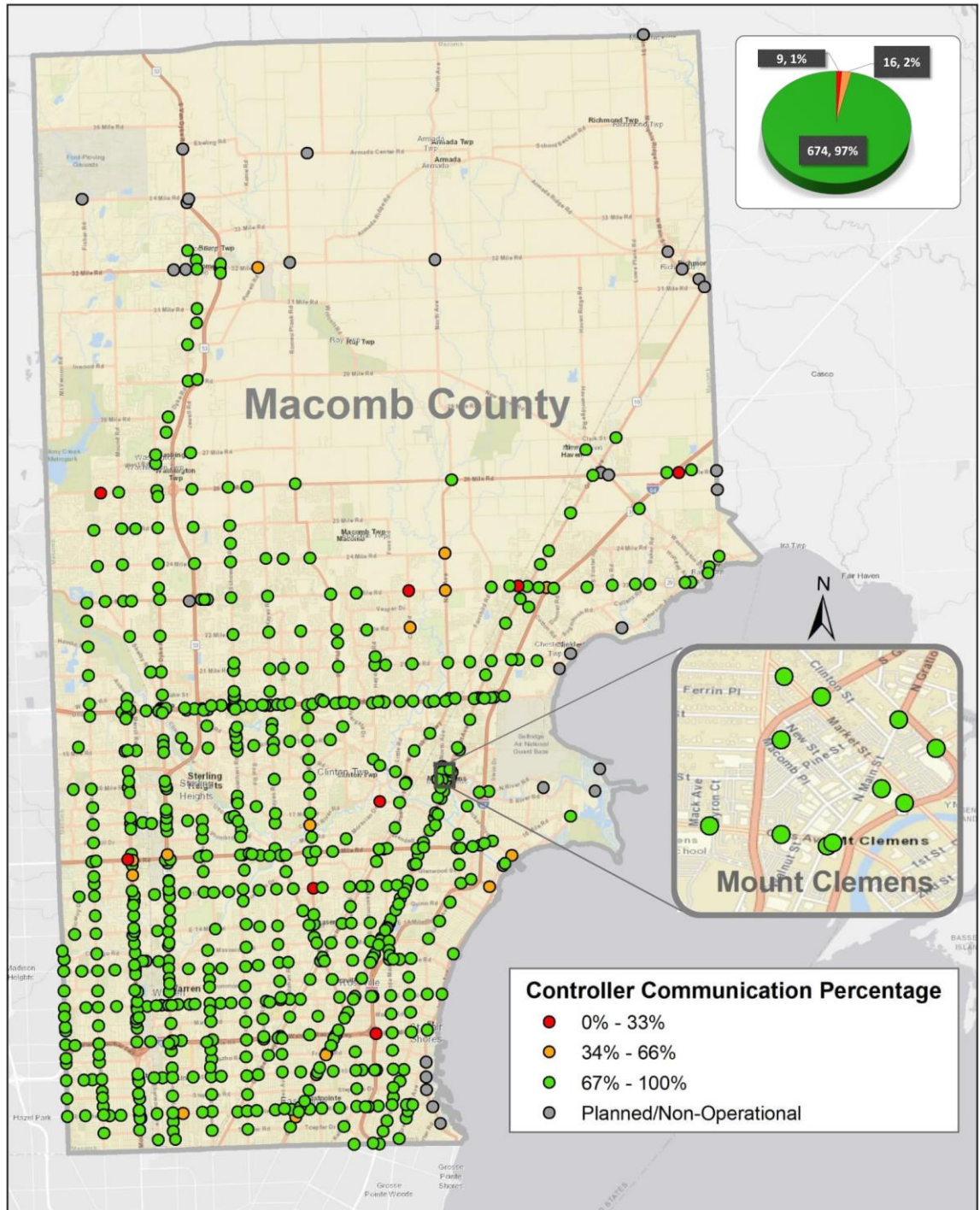




# REGIONAL COMMUNICATIONS SUMMARY

## ITS MAINTENANCE

December 2021



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



# HIGH IMPACT CORRIDOR COMMUNICATIONS AVAILABILITY

Corridor	Current Month	Previous Month	Change
9 Mile	98%	94%	4%
14 Mile	99%	97%	2%
15 Mile	99%	98%	1%
Metro Parkway	99%	99%	0%
Hall Rd(M-59)	99%	99%	0%
Dequindre	92%	97%	-5%
Ryan	96%	98%	-2%
Mound	99%	94%	5%
Hoover	98%	98%	0%
Schoenherr	99%	97%	2%
Hayes	99%	99%	0%
Gratiot(M-3)	98%	97%	1%
Harper	99%	91%	8%

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

## FIELD WORK

*129 sites visited by the IT/ITS Maintenance Technicians. 15 sites visited by the combined efforts of the IT/ITS Maintenance and MCDR Electrical crews.*

## SIGNAL TIMING CHANGES

*Traffic signal changes performed by TOC engineers*

Time of Signal change	Loc #	Intersection	Reason for signal change
12/02/2021 16:28	Hall Road WB (M-59)/Crossover East of Hayes	757	Incident
12/02/2021 16:29	Hall Road EB (M-59)/Crossover West of Mound Road	773	Incident
12/02/2021 16:29	Hayes/23 Mile Road	653	Construction
12/02/2021 16:30	Romeo Plank/23 Mile Road	517	Construction
12/02/2021 16:45	Hall Road EB (M-59)/Crossover West of Mound Road	773	Incident
12/03/2021 17:54	15 Mile Road/Harper/Klix	210	Incident
12/03/2021 17:54	Harper/Metropolitan Parkway	218	Incident
12/03/2021 17:54	Metropolitan Parkway/Union Lake	981	Incident
12/03/2021 17:55	I-94 Ramp D/Metropolitan Parkway WB	596	Incident
12/03/2021 17:55	I-94 Ramp B/Metropolitan Parkway EB	597	Incident



# SIGNAL TIMING CHANGES CONTINUED

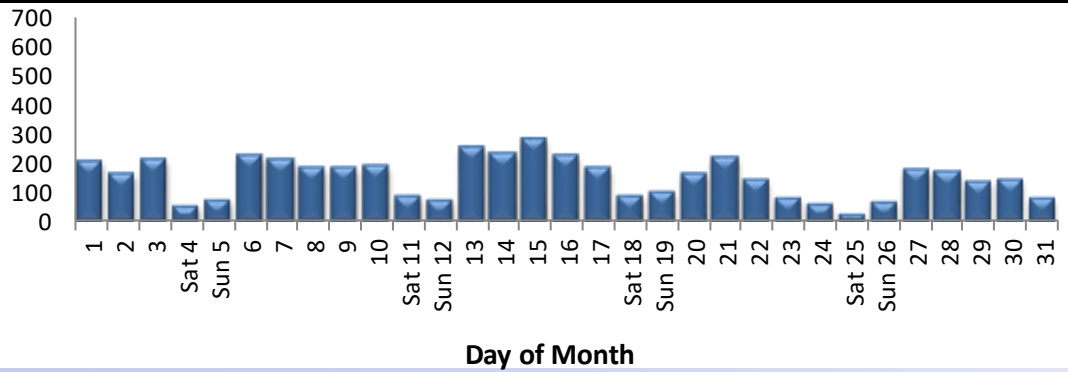
**MAINTENANCE**

December 2021

Time of Signal change	Loc #	Intersection	Reason for signal change
12/03/2021 17:55	Crocker/Metropolitan Parkway	92	Incident
12/03/2021 17:55	Gratiot NB (M-3)/Schaefer	413	Incident
12/03/2021 17:55	Gratiot (M-3)/Metropolitan Parkway	172	Incident
12/03/2021 17:55	Cass/Gratiot SB (M-3)	499	Incident
12/03/2021 17:55	Cass/Main	71	Incident
12/03/2021 17:55	Cass (Crocker)/Gratiot NB (M-3)	63	Incident
12/03/2021 17:55	Broadway (M-3/NB Gratiot)/Market	65	Incident
12/03/2021 17:56	Gratiot NB (M-3)/Walnut	427	Incident
12/03/2021 17:56	Gratiot NB (M-3)/Main/Welts	680	Incident
12/08/2021 16:17	Common/Utica Road	99	Service Request
12/09/2021 9:50	19 Mile Road/Schoenherr	570	Incident
12/09/2021 18:08	Hayes/24 Mile Road	511	Service Request
12/10/2021 14:03	Chicago Road/Van Dyke	80	Construction
12/10/2021 15:39	Hayes/19 Mile Road	519	Incident
12/13/2021 13:56	Groesbeck (M-97)/Metropolitan Parkway	198	Incident
12/15/2021 13:40	Gratiot (M-3)/21 Mile Road	185	Incident
12/15/2021 16:26	Romeo Plank/21 Mile Road	466	Incident
12/16/2021 12:45	Hall Road (M-59)/Hayes	467	Incident
12/16/2021 15:43	Hall Road EB (M-59)/Crossover West of Gratiot	810	Incident
12/16/2021 16:45	Elizabeth/Groesbeck (M-97)	126	Incident
12/17/2021 17:16	Mound/13 Mile Road	23	Service Request
12/17/2021 17:18	Hall Road WB (M-59)/Crossover East of Garfield	761	Construction
12/22/2021 12:56	Dickson (Vernoica)/Ryan	599	Incident
12/23/2021 17:47	Hayes/24 Mile Road	511	Congestion
12/23/2021 17:48	Cass/Groesbeck (M-97)	72	Incident
12/27/2021 17:51	Schoenherr/13 Mile Road	306	Incident
12/28/2021 15:36	Romeo Plank/24 Mile Road	719	Construction
12/28/2021 17:42	Dequindre/11 Mile	96	Congestion
12/28/2021 17:42	Dequindre/Parkview	9	Congestion
12/28/2021 17:42	Dequindre/Madison Solberg Towers	154	Congestion
12/28/2021 17:42	Dequindre/Universal Mall	380	Congestion
12/28/2021 17:42	Dequindre/12 Mile Road	106	Congestion
12/28/2021 17:42	Common/Dequindre	409	Congestion
12/28/2021 17:42	Dequindre/13 Mile Road	105	Congestion
12/28/2021 17:42	Dequindre/Whitcomb	26	Congestion
12/28/2021 17:42	East Avis Dr./Dequindre Road	408	Congestion
12/29/2021 13:41	Hall Road (M-59)/Hayes	467	Incident
12/29/2021 14:22	Dequindre/Universal Mall	380	Traffic Study
12/29/2021 17:22	Harper/12 Mile Road	225	Service Request

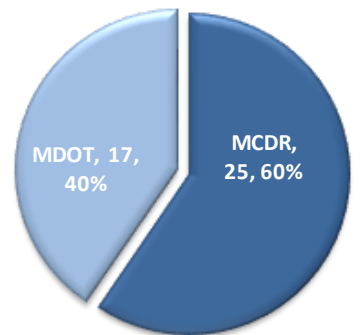
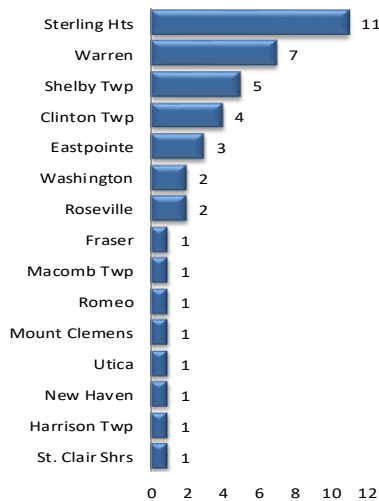


## MCDR WEBSITE HITS



A total of **4,698** hits were accrued at <http://roads.macombgov.org/>.

## SERVICE REQUESTS PER MUNICIPALITY

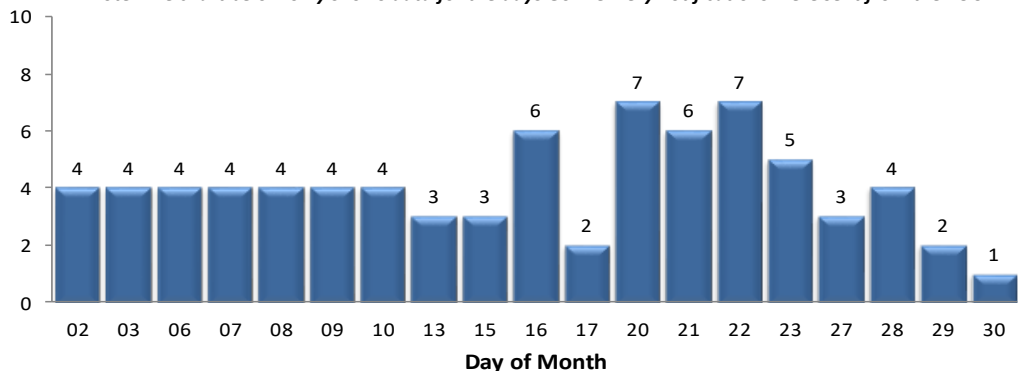


The chart to the left shows how many requests were created per traffic signal location under municipality jurisdiction. The chart to the right shows breakdown of the requests created under MDOT or MCDR / local municipality jurisdiction.

## GOVDELIVERY NOTIFICATIONS

In the month of December, the TOC sent out **77** GovDelivery notifications, and increased the number of recipients from **3,101** to **3,124** 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.](#)

