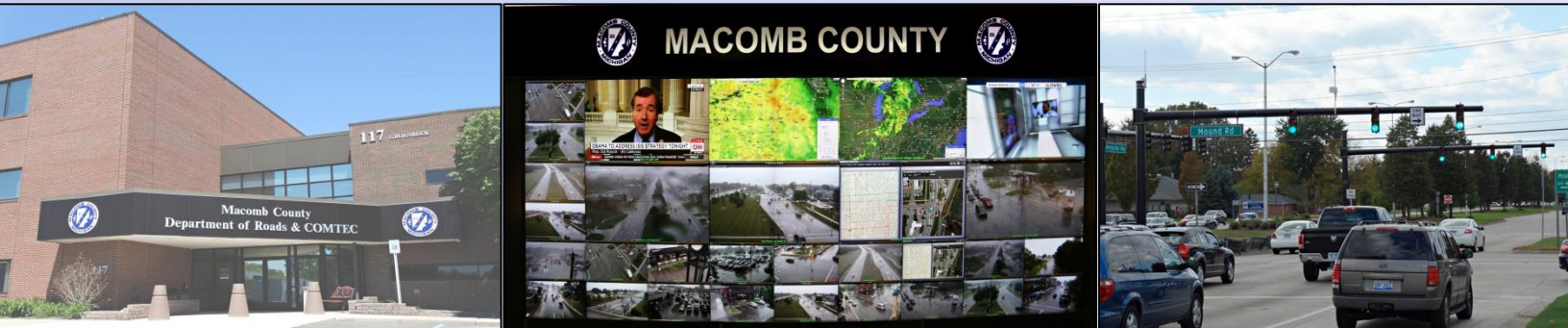


# MACOMB COUNTY DEPARTMENT OF ROADS

## 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



**January 2023**

**AECOM**

**WSP**

**INTEGRAL  
BLUE**



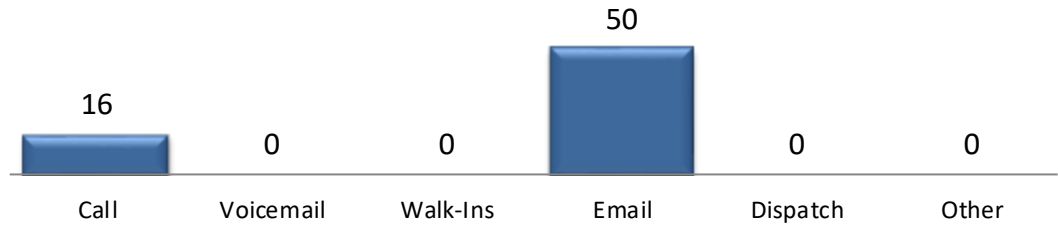
**John Abraham, PhD, PE, PTOE**  
Director of Traffic & Operations  
Macomb County Department of Roads  
117 S Groesbeck Hwy  
Mount Clemens, MI 48043  
586-463-8671  
[JAbraham@RCMCWeb.org](mailto:JAbraham@RCMCWeb.org)

# MONTHLY TOC HIGHLIGHT

On January 17th, a group of 20 Wayne State University students visited the Macomb County Department of Roads (MCDR) Traffic Operations Center (TOC) to gain insight into Intelligent Transportation System (ITS) and real-time traffic operations. The class was introduced to concepts ranging from data analytics and general signal timing theory to hands-on demonstrations of the control room and IT/ITS operations. The tour of cutting-edge technology on display certainly piqued the young students' interest in ITS and traffic engineering!

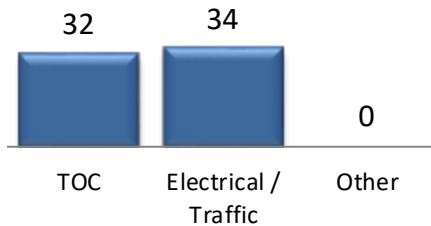
## OPENED SERVICE REQUESTS

Service Request Source



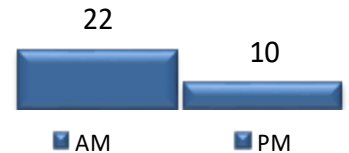
In the month of January, **66** incoming requests regarding traffic signals were received.

Service Request by Dept.

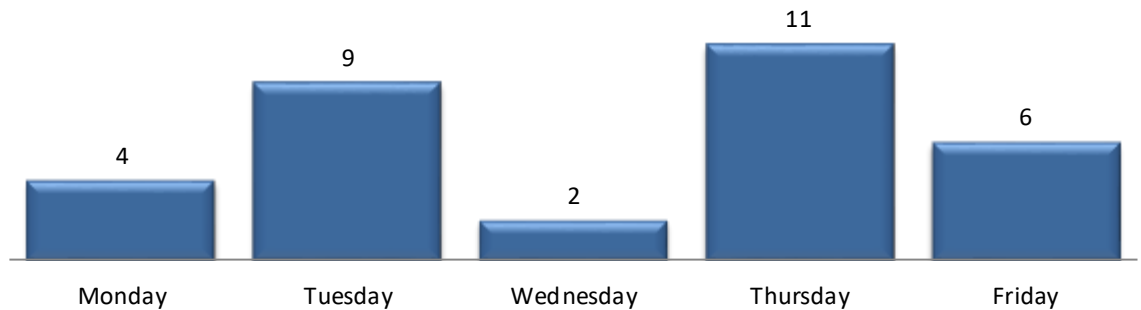


In the month of January, TOC engineers closed **27** service requests within an average of **5** business days.

TOC Service Requests Opened by Time of Day



TOC Service Request Opened Per Day of Week



TRAFFIC OPERATIONS

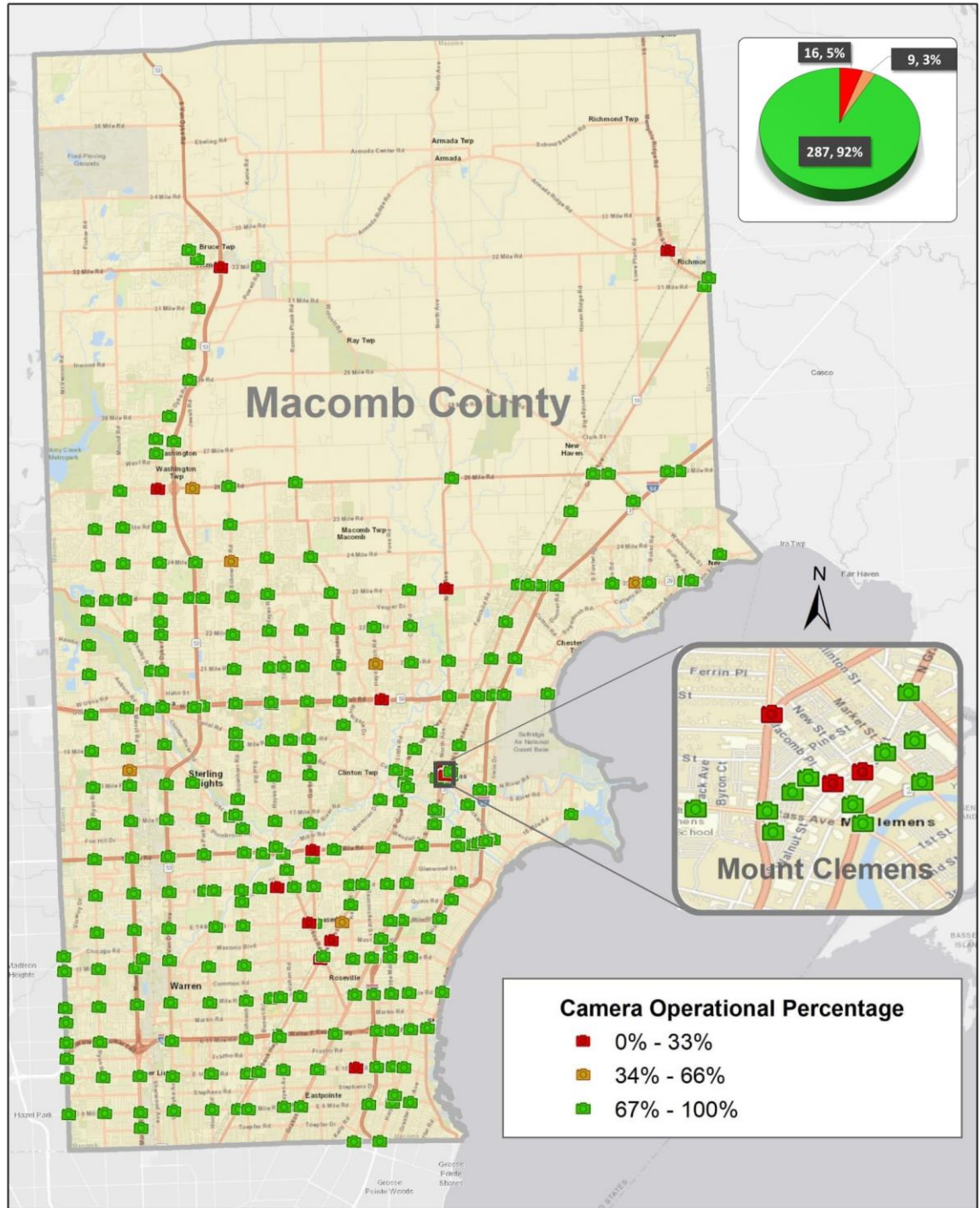
January 2023



# CCTV TRAFFIC CAMERA SUMMARY

## CAMERA COVERAGE

January 2023



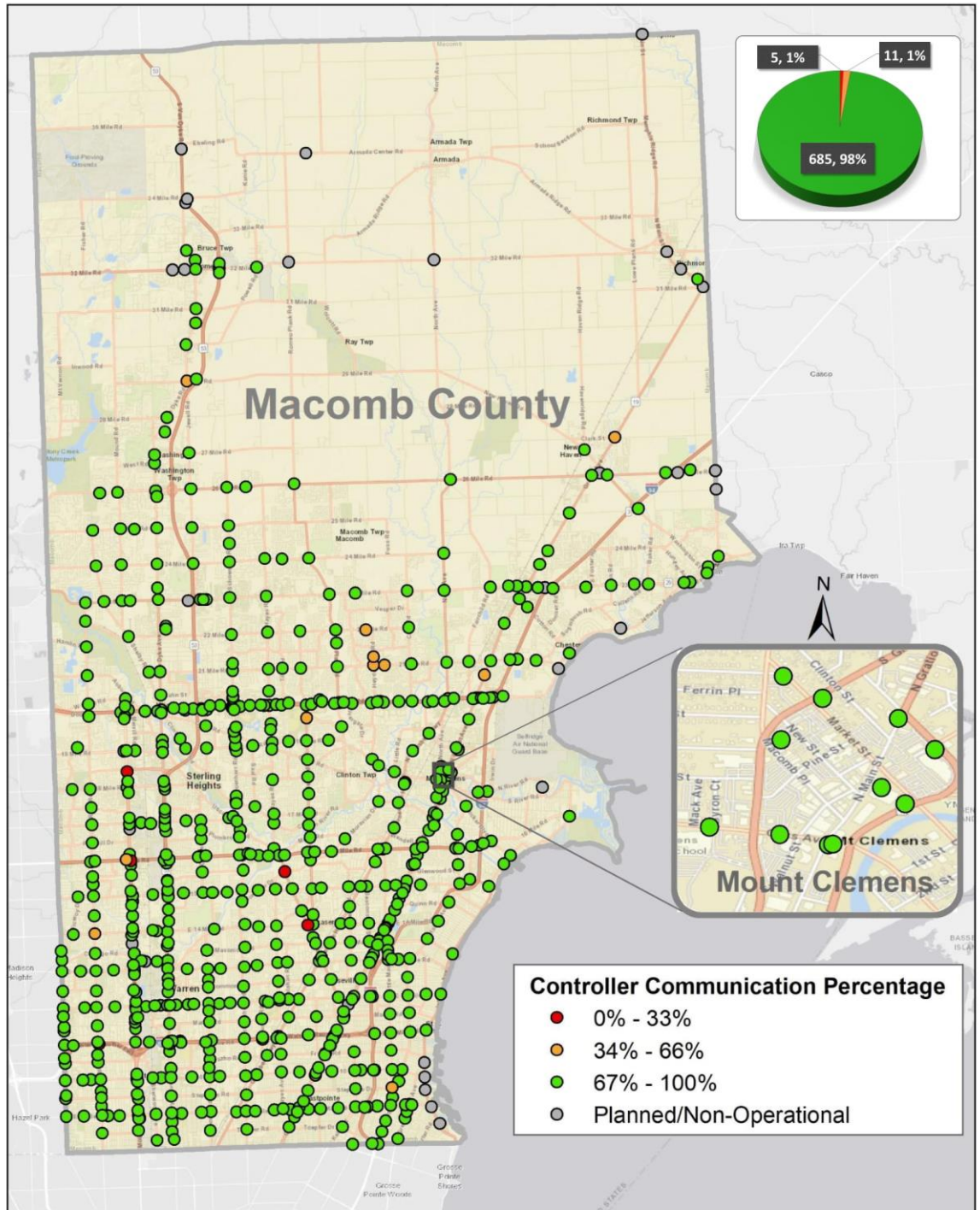
The map above represents the CCTV camera operational percentages for the month of January 2023.



# REGIONAL COMMUNICATIONS SUMMARY

## ITS MAINTENANCE

January 2023



The map above represents the communication availability percentages of Traffic Signal Controllers for the month of January 2023.



# HIGH IMPACT CORRIDOR COMMUNICATIONS AVAILABILITY

Corridor	Current Month	Previous Month	Change
9 Mile	98%	99%	-1%
14 Mile	92%	92%	0%
15 Mile	99%	97%	2%
Metro Parkway	99%	99%	0%
Hall Rd(M-59)	99%	99%	0%
Dequindre	97%	99%	-2%
Ryan	95%	99%	-4%
Mound	98%	97%	1%
Hoover	99%	99%	0%
Schoenherr	99%	99%	0%
Hayes	99%	99%	0%
Gratiot(M-3)	99%	99%	0%
Harper	98%	99%	-1%

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

## FIELD WORK

*68 sites visited by the IT/ITS Maintenance Technicians. 5 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	Location	Intersection	Reason for signal change
01/03/2023 9:44	I-94 EB Off Ramp/Little Mack	714	Traffic Study
01/03/2023 9:45	I-94 WB Off Ramp/Little Mack	713	Traffic Study
01/03/2023 9:45	Little Mack/Masonic	254	Traffic Study
01/03/2023 10:58	County Line/26 Mile Road	89	Traffic Study
01/04/2023 9:37	14 Mile Road/Schoenherr	339	Incident
01/04/2023 10:55	Groesbeck (M-97)/Metropolitan Parkway	198	Incident
01/04/2023 15:18	Harper/13 Mile Road	224	Service Request
01/04/2023 15:47	Jefferson/Metropolitan Parkway	241	Service Request
01/04/2023 16:42	Schoenherr NB/Crossover South of 19 Mile Road	859	Service Request
01/04/2023 16:42	19 Mile Road/Schoenherr	570	Service Request



# SIGNAL TIMING CHANGES CONTINUED

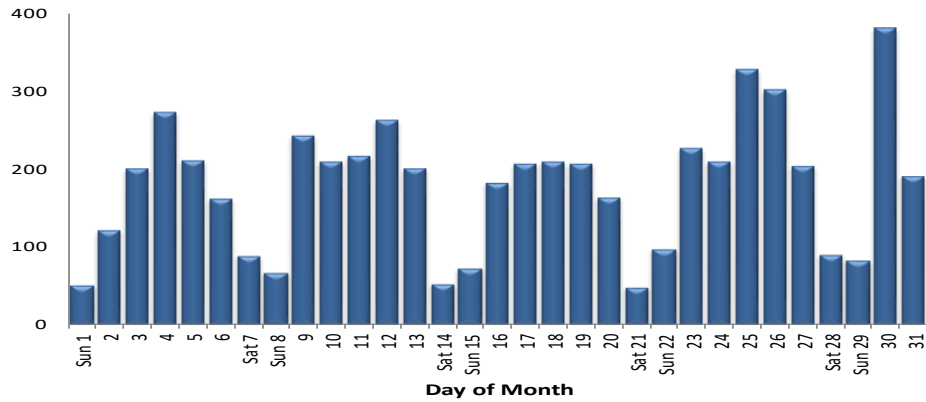
**MAINTENANCE**

January 2023

Time of Signal change	Location	Intersection	Reason for signal change
01/04/2023 16:42	Schoenherr SB/Crossover North of 19 Mile Road	860	Service Request
01/04/2023 16:42	Schoenherr NB/Crossover South of Canal Road	861	Service Request
01/04/2023 16:42	Canal/Schoenherr	487	Service Request
01/04/2023 16:42	Schoenherr SB/Crossover North of Canal Road	862	Service Request
01/05/2023 12:08	14 Mile Road/Van Dyke	147	Incident (Crash)
01/05/2023 16:52	Garfield/Moravian	239	Incident (Crash)
01/09/2023 8:17	14 Mile Road/Schoenherr	339	Incident (Crash)
01/09/2023 8:17	12 Mile Road/Van Dyke	322	Incident (Crash)
01/09/2023 16:49	22 Mile Road/Van Dyke	430	Congestion
01/11/2023 17:23	22 Mile Road/Van Dyke	430	Congestion
01/11/2023 17:23	19 Mile Road/Ryan	88	Congestion
01/11/2023 17:23	Franklin Park Drive/Ryan	554	Congestion
01/11/2023 17:23	Ryan/17 Mile Road	447	Congestion
01/11/2023 17:23	Foxhill/Ryan	538	Congestion
01/11/2023 17:23	Schoenherr NB/Crossover South of 17 Mile Road	842	Incident (Crash)
01/12/2023 16:25	22 Mile Road/Van Dyke	430	Congestion
01/13/2023 10:21	M-53 (Relocated)/27 1/2 Mile Road	729	Incident (Crash)
01/13/2023 10:21	28 Mile Road/Van Dyke	533	Incident (Congestion)
01/13/2023 10:21	29 Mile Road/Van Dyke	455	Incident (Congestion)
01/19/2023 11:14	Garfield/Hall Road (M-59)	156	Incident (Crash)
01/19/2023 15:00	County Line/26 Mile Road	89	Congestion
01/20/2023 13:52	15 Mile Road/Harper/Klix	210	Incident (Crash)
01/20/2023 17:45	WB Metropolitan Parkway crossover 500' E of Mound	1044	Incident (Crash)
01/24/2023 15:07	Hall Road WB (M-59)/I-94 WB Off Ramp	812	Incident (Crash)
01/27/2023 13:30	18 Mile Road/Van Dyke	352	Incident (Crash)
01/30/2023 15:24	Mound SB/Crossover 750' North of 13 Mile Road	783	Service Request
01/30/2023 15:24	Chicago Road/Mound	28	Service Request
01/30/2023 15:24	Arden/Mound	31	Service Request
01/31/2023 11:44	Dequindre/I-696 S Service Drive	403	Incident (Congestion)
01/31/2023 11:44	Dequindre/I-696 Service Drive (WB/North Side)	438	Incident (Congestion)
01/31/2023 12:35	11 Mile/Harper	117	Construction
01/31/2023 13:28	Hall Road (M-59)/Elizabeth	632	Service Request
01/31/2023 16:40	11 Mile/I-696 Service Drive (Westbound/North Side)	404	Incident (Congestion)

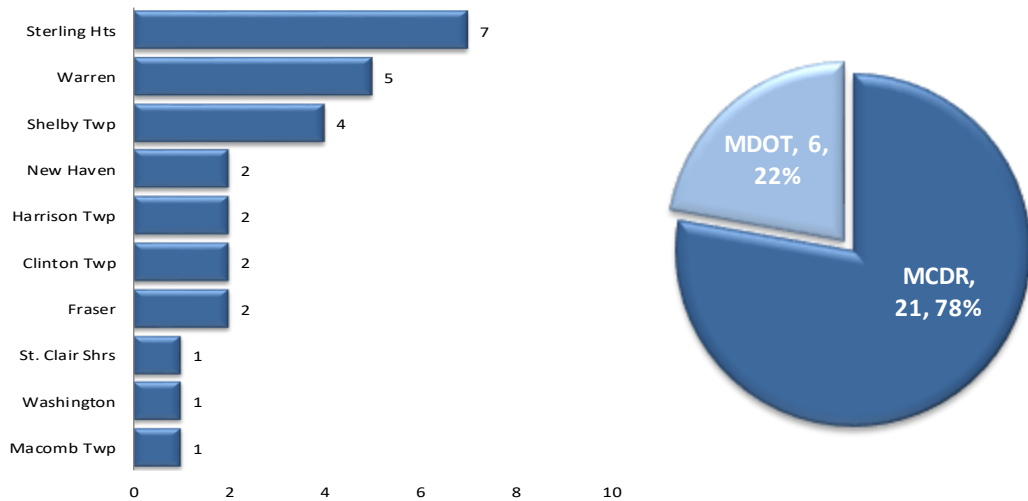


# MCDR WEBSITE HITS



A total of **5,550** hits were accrued at <http://roads.macombgov.org/>.

## CLOSED SERVICE REQUESTS PER MUNICIPALITY

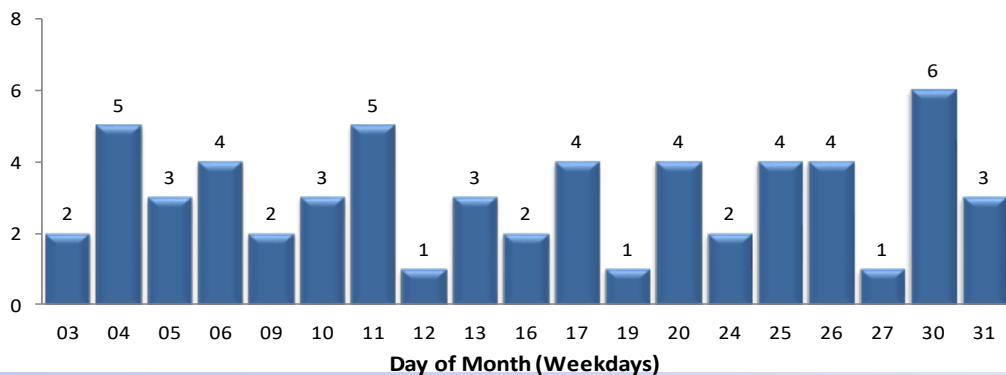


The chart to the left shows how many requests were closed per traffic signal location under municipality jurisdiction. The chart to the right shows breakdown of the requests closed under MDOT or MCDR / local municipality jurisdiction.

## GOVDELIVERY NOTIFICATIONS

In the month of January, the TOC sent out **59** GovDelivery notifications. The number of recipients receiving GovDelivery notifications increased from **4,396** to **4,446** this month.

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.](#)

MOTORIST EXPERIENCE

January 2023

