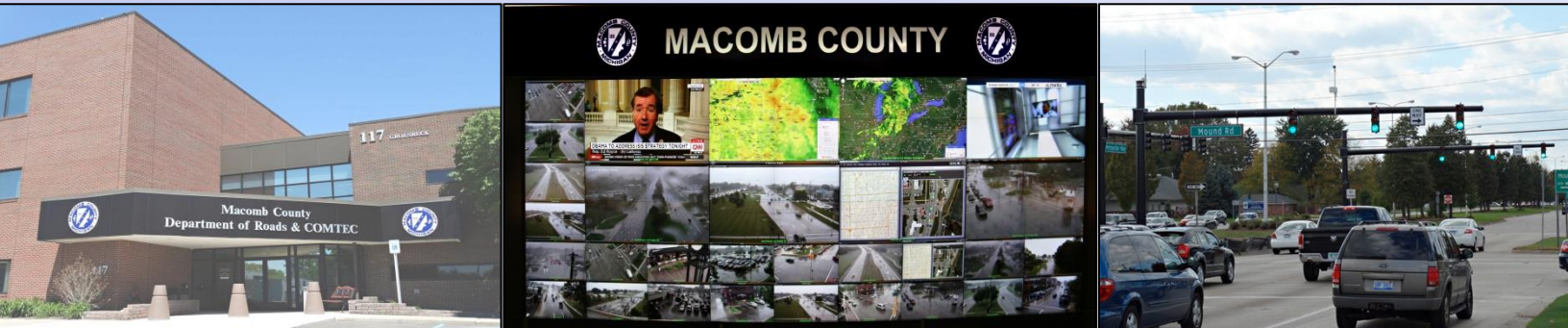


MACOMB COUNTY DEPARTMENT OF ROADS

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



July 2023

AECOM

WSP

**INTEGRAL
BLUE**



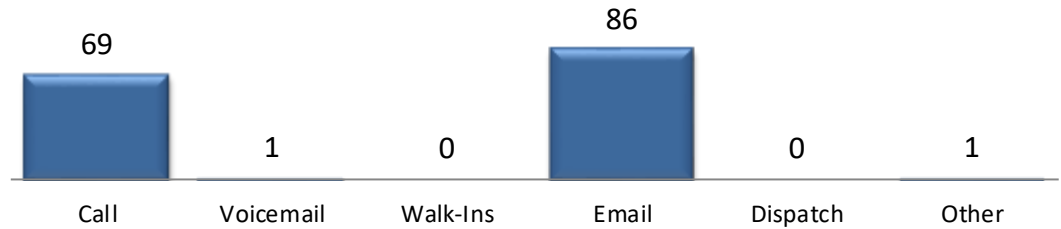
John Abraham, PhD, PE, PTOE
Director of Traffic & Operations
Macomb County Department of Roads
117 S Groesbeck Hwy
Mount Clemens, MI 48043
586-463-8671
JAbraham@RCMCWeb.org

MONTHLY TOC HIGHLIGHT

During the month of July, Macomb County experienced multiple thunderstorms resulting in power outages and Intelligent Transportation System (ITS) device disruptions. The Traffic Operations Center's (TOC) teams, including the control room, ITS maintenance, and engineering, worked meticulously to restore traffic signal systems to over 100 intersections through streamlined coordination.

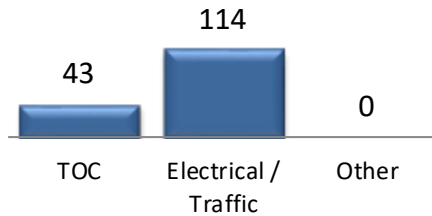
OPENED SERVICE REQUESTS

Service Request Source



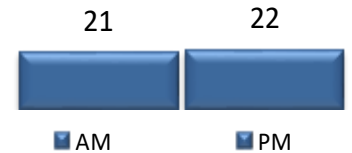
In the month of July, 157 incoming requests regarding traffic signals were received.

Service Request Opened by Dept.

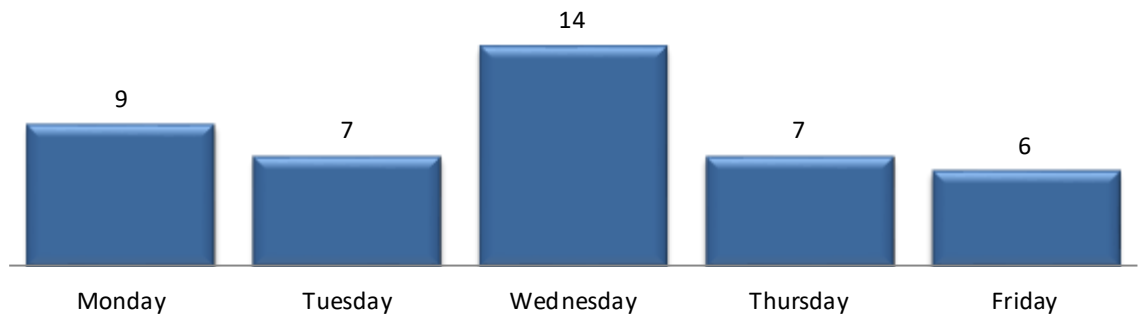


In the month of July, TOC engineers closed 46 service requests within an average of 4 business days.

TOC Service Requests Opened by Time of Day



TOC Service Request Opened Per Day of Week



TRAFFIC OPERATIONS

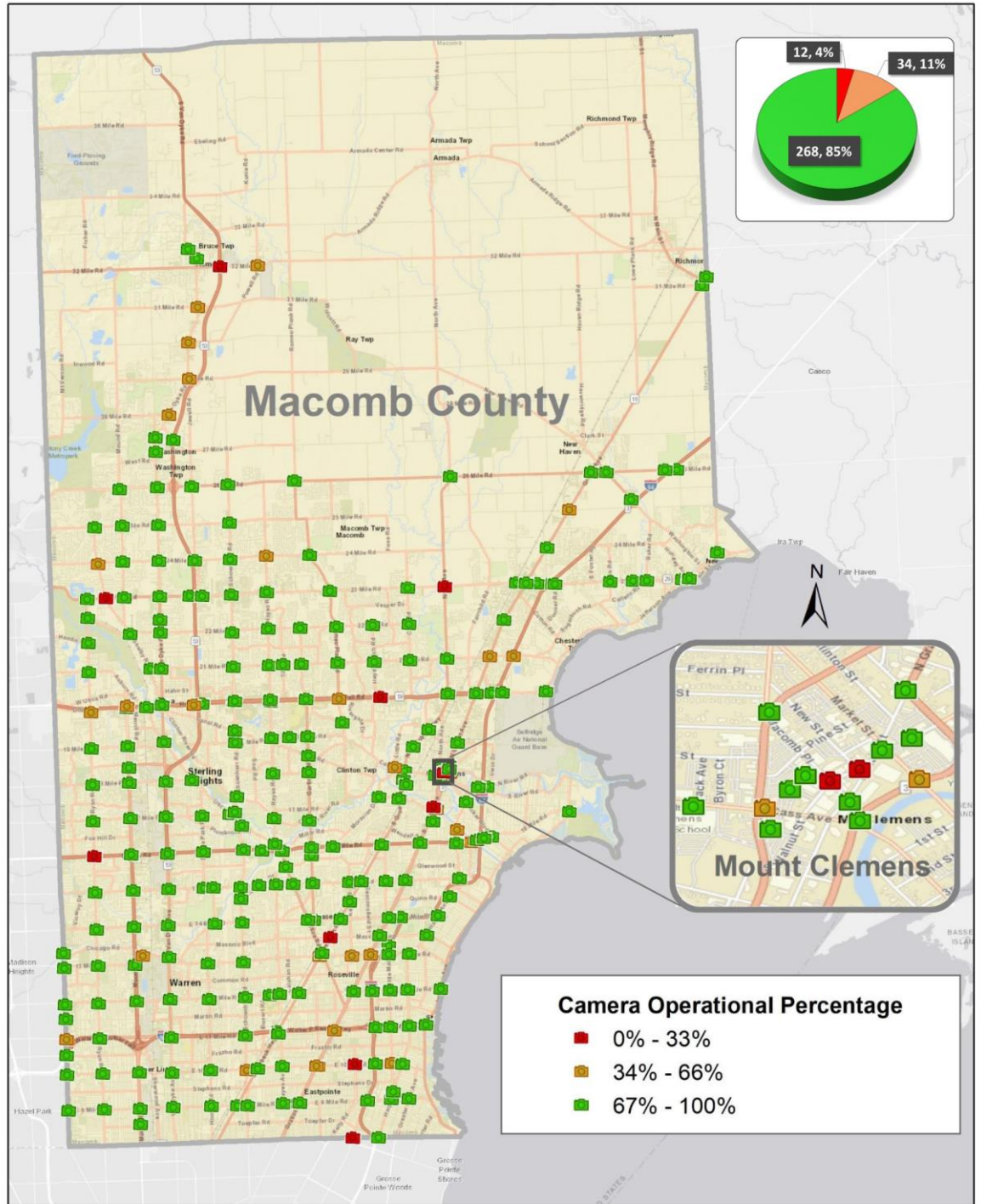
July 2023



CCTV TRAFFIC CAMERA SUMMARY

CAMERA COVERAGE

July 2023



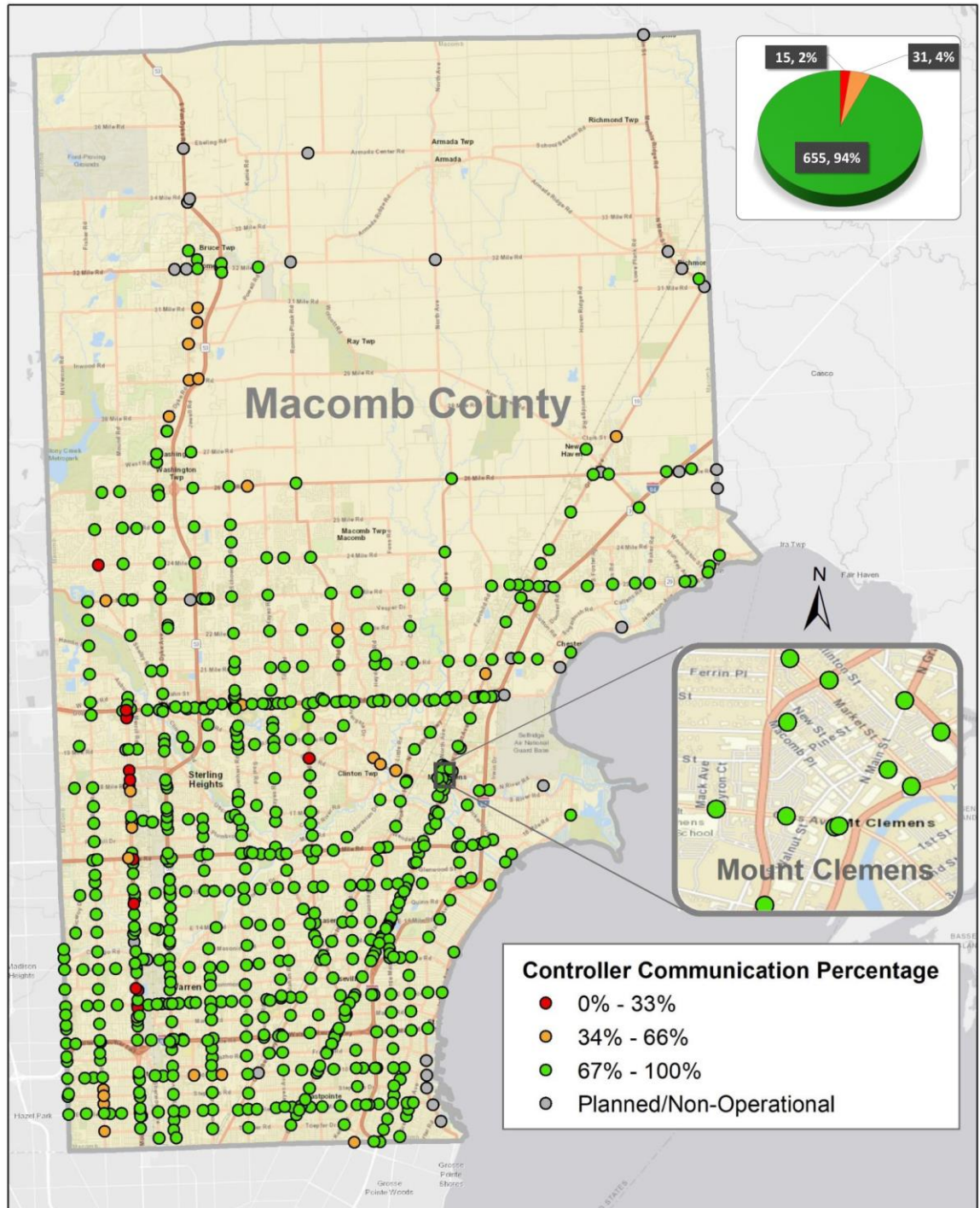
The map above represents the CCTV camera operational percentages for the month of July 2023.



REGIONAL COMMUNICATIONS SUMMARY

ITS MAINTENANCE

July 2023



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



HIGH IMPACT CORRIDOR COMMUNICATIONS AVAILABILITY

Corridor	Current Month	Previous Month	Change
9 Mile	99%	99%	0%
14 Mile	98%	98%	0%
15 Mile	97%	99%	-2%
Metro Parkway	99%	99%	0%
Hall Rd(M-59)	99%	99%	0%
Dequindre	90%	99%	-9%
Ryan	95%	99%	-4%
Mound	89%	91%	-2%
Hoover	99%	99%	0%
Schoenherr	97%	99%	-2%
Hayes	99%	99%	0%
Gratiot(M-3)	98%	98%	0%
Harper	99%	98%	1%

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

FIELD WORK

118 sites visited by the IT/ITS Maintenance Technicians. 10 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
07/05/2023 13:00	Clinton River Road/Schoenherr	628	Incident (Crash)
07/05/2023 16:51	Cass/Heydenreich	734	Incident (Crash)
07/06/2023 14:59	Gratiot (M-19)/New Haven Road	174	Service Request
07/06/2023 15:37	Hall Road WB (M-59)/Crossover East of Tilch (Colony)	759	Incident (Crash)
07/10/2023 13:10	Bunert/I-696 Service Drive (Westbound/North Side)	540	Incident (Crash)
07/10/2023 13:10	Bunert/I-696 S Service Drive	539	Incident (Crash)
07/10/2023 13:10	I-696 Service Drive (Westbound/North Side)/Schoenherr	347	Incident (Crash)
07/10/2023 13:10	I-696 Service Drive (Westbound/North Side)/500' E of Hoover	442	Incident (Crash)
07/10/2023 13:10	Hoover/I-696 Service Drive (Westbound/North Side)	406	Incident (Crash)
07/10/2023 13:10	Hoover/I-696 S Service Drive	119	Incident (Crash)



SIGNAL TIMING CHANGES CONTINUED

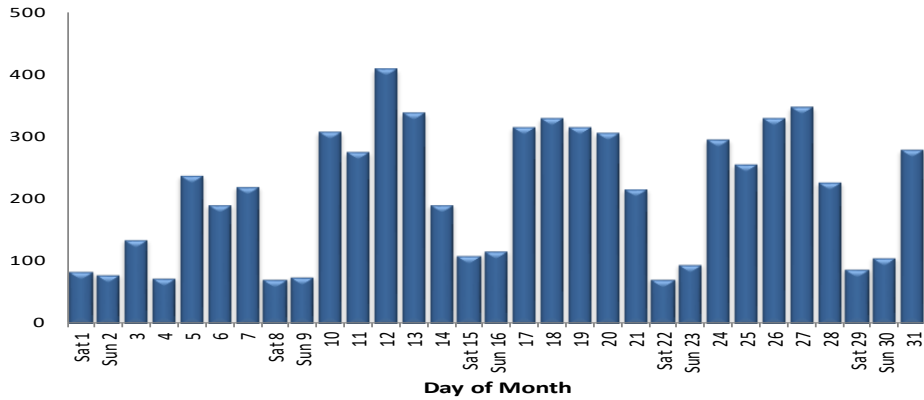
Time of Signal change	Location	Intersection	Reason for signal change
07/10/2023 13:10	I-696 S Service Drive/500' W of Hoover	443	Incident (Crash)
07/10/2023 13:55	I-94 Northbound/12 Mile Road	358	Incident (Crash)
07/10/2023 13:55	I-94 SB Off Ramp/12 Mile Road	362	Incident (Crash)
07/10/2023 14:26	Gratiot (M-3)/12 Mile Road	184	Incident (Crash)
07/10/2023 14:26	Gratiot SB (M-3)/Crossover 380' N of 12 Mile Road	552	Incident (Crash)
07/10/2023 14:26	Gratiot NB (M-3)/Crossover 366' S of 12 Mile Road	553	Incident (Crash)
07/10/2023 14:26	12 Mile Road/Utica Road	320	Incident (Crash)
07/10/2023 14:26	Groesbeck (M-97)/12 Mile Road	204	Incident (Crash)
07/10/2023 15:34	Hoover/12 Mile Road	236	Incident (Crash)
07/14/2023 15:34	Hayes/23 Mile Road	653	Service Request
07/14/2023 15:58	North Avenue/21 Mile Road	482	Traffic Study
07/14/2023 15:58	North Avenue/23 Mile Road	292	Traffic Study
07/14/2023 15:58	North Avenue/24 Mile Road	994	Traffic Study
07/14/2023 15:58	North Avenue/26 Mile Road	293	Traffic Study
07/14/2023 17:05	Schoenherr/23 Mile Road	608	Service Request
07/17/2023 16:22	Hayes/19 Mile Road	519	Incident (Crash)
07/18/2023 16:50	15 Mile Road/Schoenherr	396	Incident (Crash)
07/18/2023 17:40	14 Mile Road/Ryan	144	Incident (Crash)
07/25/2023 15:27	Romeo Plank/21 Mile Road	466	Incident (Crash)
07/26/2023 8:48	15 Mile Road/Mound	42	Service Request
07/26/2023 16:30	12 Mile Road/GM Gate (1/4 Mile E. of Mound)	331	Congestion
07/26/2023 16:30	Hall Road WB (M-59)/Heydenreich	979	Congestion
07/26/2023 16:30	Hall Road WB (M-59)/Crossover East of Heydenreich	803	Congestion
07/27/2023 13:44	Harper/10 Mile Road	223	Traffic Study
07/28/2023 11:38	Elizabeth/Groesbeck (M-97)	126	Incident (Crash)
07/31/2023 12:42	Sherwood/10 Mile Road	309	Traffic Study

MAINTENANCE

July 2023

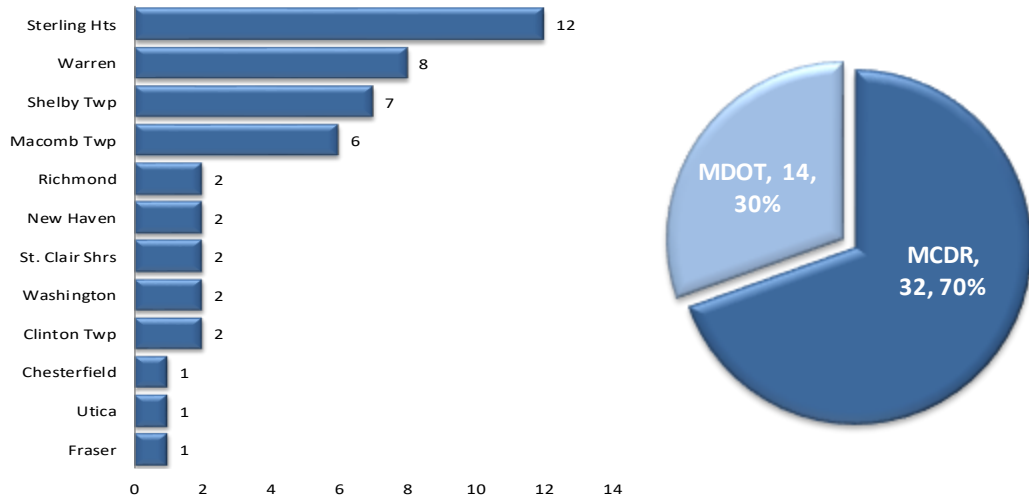


MCDR WEBSITE HITS



A total of **6,456** hits were accrued at <http://roads.macombgov.org/>.

CLOSED SERVICE REQUESTS PER MUNICIPALITY

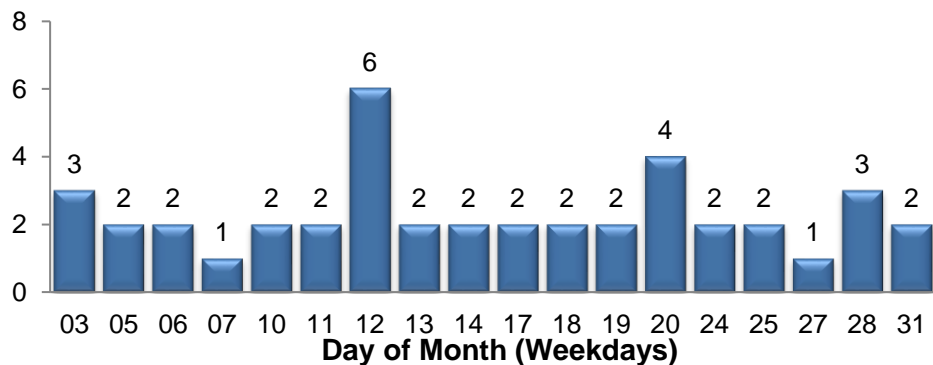


The chart to the left shows how many requests were closed per traffic signal location within each municipality. The chart to the right shows breakdown of the requests closed under MDOT or MCDR / local municipality jurisdiction.

GOVDELIVERY NOTIFICATIONS

In the month of July, the TOC sent out **42** GovDelivery notifications. The number of recipients receiving GovDelivery notifications increased from **4,789** to **4,848** 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

July 2023



AECOM