

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



August 2023

AECOM

WSP

**INTEGRAL
BLUE**



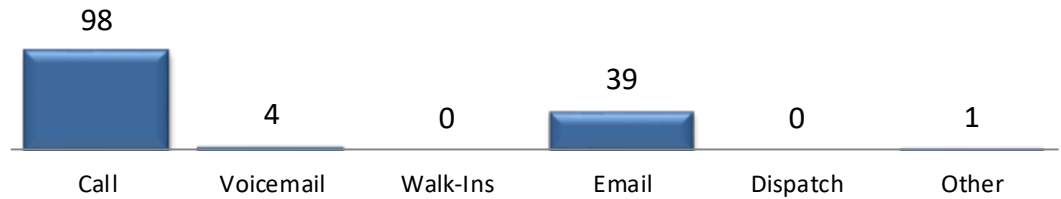
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MONTHLY TOC HIGHLIGHT

On Tuesday, August 22nd, the Macomb County Department of Roads (MCDR) Traffic Operations Center (TOC) managed a total of 10 incidents, which is nearly double the previous week's daily average. Eight of the 10 incidents resulted in multiple lane closures to adequately respond to them and were resolved with an average clearance time of 30 minutes. Furthermore, signal timing changes were made for four of the incidents which helped to alleviate congestion around the incidents. The combined efforts of the Operations and Engineering teams resulted in decreases in delays for the traveling public and enhanced safety for first responders on scene.

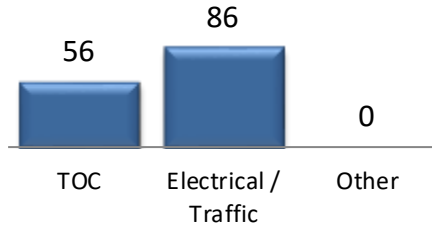
OPENED SERVICE REQUESTS

Service Request Source



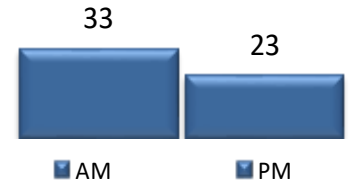
In the month of August, **142** incoming requests regarding traffic signals were received.

Service Request Opened by Dept.

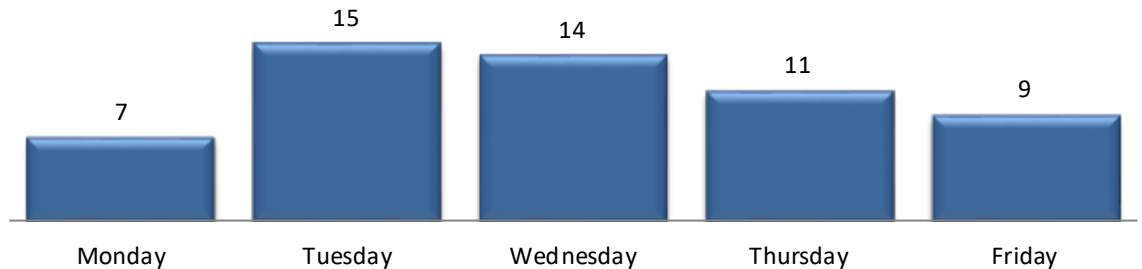


In the month of August, TOC engineers closed **53** service requests within an average of **2** business days.

TOC Service Requests Opened by Time of Day



TOC Service Request Opened Per Day of Week



TRAFFIC OPERATIONS

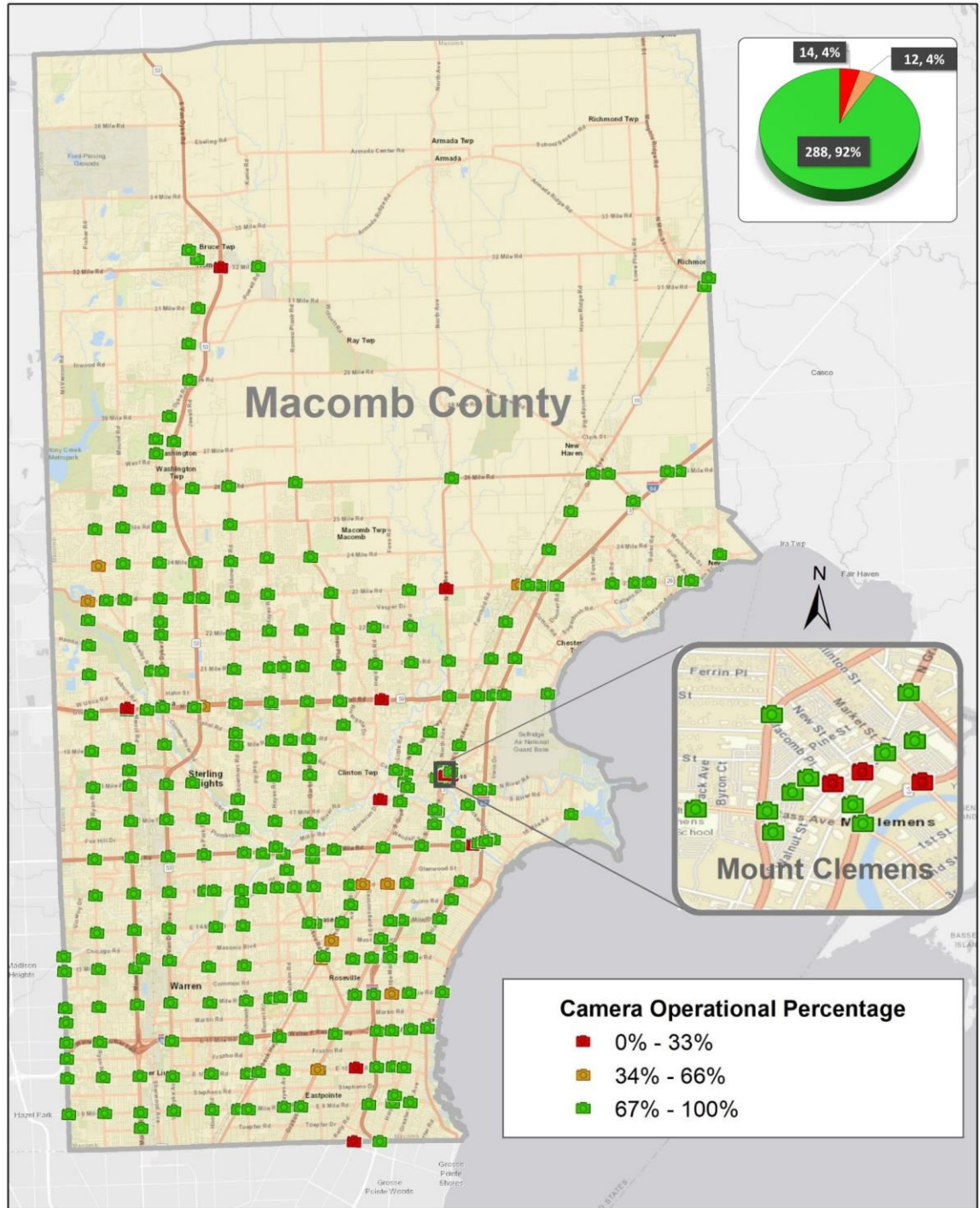
August 2023



CCTV TRAFFIC CAMERA SUMMARY

CAMERA COVERAGE

August 2023



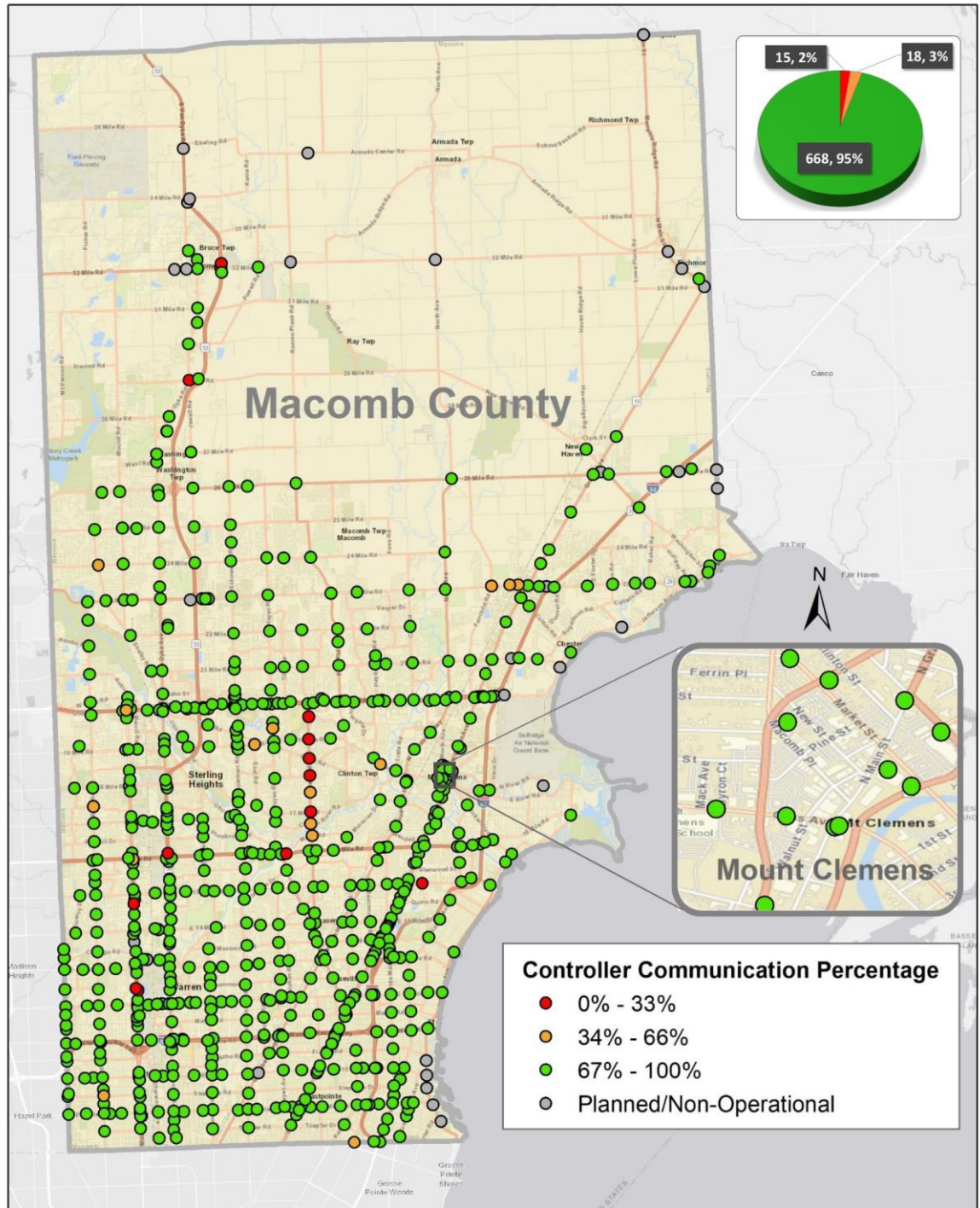
The map above represents the CCTV camera operational percentages for the month of August 2023.



REGIONAL COMMUNICATIONS SUMMARY

ITS MAINTENANCE

August 2023



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



HIGH IMPACT CORRIDOR COMMUNICATIONS AVAILABILITY

Corridor	Current Month	Previous Month	Change
9 Mile	99%	99%	0%
14 Mile	98%	98%	0%
15 Mile	91%	97%	-6%
Metro Parkway	99%	99%	0%
Hall Rd(M-59)	99%	99%	0%
Dequindre	86%	90%	-4%
Ryan	86%	95%	-9%
Mound	89%	89%	0%
Hoover	99%	99%	0%
Schoenherr	99%	97%	2%
Hayes	97%	99%	-2%
Gratiot(M-3)	98%	98%	0%
Harper	99%	99%	0%

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

FIELD WORK

189 sites visited by the IT/ITS Maintenance Technicians. 20 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
08/01/2023 11:15	Romeo Plank/22 Mile Road	385	Construction
08/01/2023 11:15	Garfield/22 Mile Road	949	Congestion
08/01/2023 11:17	Heydenreich/22 Mile Road	1003	Congestion
08/01/2023 11:47	Sherwood/10 Mile Road	309	Service Request
08/01/2023 14:15	Hall Road (M-59)/Romeo Plank	211	Incident (Crash)
08/01/2023 14:47	Hayes/22 Mile Road	652	Congestion
08/01/2023 14:52	Hayes/23 Mile Road	653	Congestion
08/02/2023 12:58	28 Mile Road/Van Dyke	533	Incident (Crash)
08/04/2023 9:00	Gratiot (M-3)/Metropolitan Parkway	399	Construction
08/04/2023 10:08	15 Mile Road/Garfield	339	Construction



SIGNAL TIMING CHANGES CONTINUED

MAINTENANCE

August 2023

Time of Signal change	Location	Intersection	Reason for signal change
08/04/2023 10:54	14 Mile Road/Hoover/Maple Lane	416	Construction
08/04/2023 16:45	Schoenherr @ EB & WB I-696 Service Drive	347	Incident (Crash)
08/04/2023 16:45	Bunert @ EB I-696 Service Drive	539	Incident (Crash)
08/08/2023 9:28	15 Mile Road/Garfield	342	Construction
08/08/2023 17:20	Moravian/Schoenherr	38	Incident (Crash)
08/10/2023 8:18	New Haven Road (M-19)/26 Mile Road	720	Service Request
08/10/2023 8:18	Gratiot/26 Mile Road	588	Construction
08/10/2023 8:40	Jefferson/23 Mile Road (M-29/Green)	246	Service Request
08/10/2023 9:02	Cotton/Jefferson	821	Service Request
08/10/2023 11:18	I-94 WB Off Ramp/26 Mile Road	852	Construction
08/11/2023 15:01	Shelby Road/22 Mile Road	555	Special Event
08/11/2023 10:47	Ryan/22 Mile Road	709	Special Event
08/11/2023 15:07	22 Mile Road/Van Dyke	430	Special Event
08/14/2023 14:35	Metropolitan Parkway/Van Dyke	310	Incident (Crash)
08/14/2023 14:56	15 Mile Road/Van Dyke	139	Incident (Crash)
08/14/2023 15:25	I-94 WB Off Ramp/Little Mack	713	Incident (Congestion)
08/14/2023 15:46	15 Mile Road/Harper/Klix	210	Incident (Congestion)
08/14/2023 15:54	Little Mack/13 Mile Road	256	Incident (Congestion)
08/14/2023 16:05	I-94 EB Off Ramp/Little Mack	714	Incident (Congestion)
08/14/2023 17:08	I-94 Ramp D/Metropolitan Parkway WB	596	Incident (Congestion)
08/14/2023 17:10	Metropolitan Parkway/Union Lake	981	Incident (Congestion)
08/15/2023 9:22	Schoenherr/Utica Road	108	Service Request
08/15/2023 12:10	Hall Road WB (M-59)/Crossover East of Hayes	757	Incident (Crash)
08/16/2023 16:53	Mound SB/Forums at Gateway (1070' South of Hall Road)	832	Service Request
08/17/2023 13:25	14 Mile Road/Schoenherr	339	Construction
08/17/2023 16:22	Harper/Masonic	217	Incident (Congestion)
08/17/2023 16:31	15 Mile Road/Hayes	827	Incident (Crash)
08/18/2023 13:00	Gratiot (M-3)/Metropolitan Parkway	172	Incident (Crash)
08/18/2023 13:00	Gratiot NB (M-3)/Schaefer	413	Incident (Congestion)



SIGNAL TIMING CHANGES CONTINUED

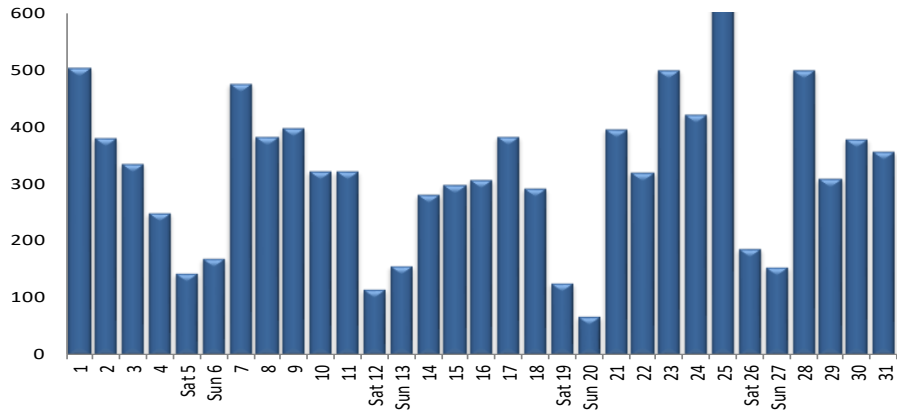
MAINTENANCE

August 2023

Time of Signal change	Location	Intersection	Reason for signal change
08/18/2023 13:00	Metropolitan Parkway EB/Crossover 475' W of Gratiot	647	Incident (Congestion)
08/18/2023 13:00	Gratiot SB (M-3)/Wendell	459	Incident (Congestion)
08/18/2023 13:00	Metropolitan Parkway WB/Crossover 550' E of Gratiot	648	Incident (Congestion)
08/18/2023 13:35	Broadway (M-3/NB Gratiot)/Iroquois	528	Incident (Congestion)
08/18/2023 13:54	15 Mile Road/Harper/Klix	210	Incident (Congestion)
08/18/2023 13:59	Harper/Metropolitan Parkway	218	Incident (Congestion)
08/18/2023 13:59	Metropolitan Parkway EB/Crossover 300' W of Harper	649	Incident (Congestion)
08/18/2023 13:59	Metropolitan Parkway WB/Crossover 295' E of Harper	650	Incident (Congestion)
08/21/2023 13:08	15 Mile Road/Kelly	389	Construction
08/22/2023 9:17	15 Mile Road/Harper/Klix	210	Incident (Crash)
08/22/2023 11:45	Hayes/21 Mile Road	11	Incident (Crash)
08/22/2023 12:17	Hayes/Shoreline	626	Incident (Crash)
08/22/2023 14:35	25 Mile Road/Van Dyke	509	Incident (Crash)
08/24/2023 15:30	Corporate Drive/Shelby Parkway/23 Mile Road	875	Service Request
08/24/2023 15:37	Schoenherr/23 Mile Road	608	Congestion
08/24/2023 17:33	Hall Road (M-59)/Schoenherr	207	Incident (Crash)
08/25/2023 13:56	Gratiot SB (M-3)/Crossover 530' N of 15 Mile Road	584	Construction
08/25/2023 14:07	Gratiot SB (M-3)/Crossover North of Quinn	814	Construction
08/25/2023 17:41	Hall Road (M-59)/Rivergate	613	Congestion
08/25/2023 17:41	Hall Road EB (M-59)/Crossover West of Heyendreich	802	Congestion
08/25/2023 17:41	Hall Road EB (M-59)/Heydenreich	980	Congestion
08/28/2023 15:22	I-94 Northbound/10 Mile Road	356	Congestion
08/28/2023 15:22	I-94 Southbound/10 Mile Road	360	Congestion
08/29/2023 8:04	15 Mile Road/Van Dyke	139	Incident (Crash)
08/30/2023 13:56	Dequindre/11 Mile	96	Incident (Crash)
08/31/2023 15:42	Garfield/Hall Road (M-59)	156	Traffic Study
08/31/2023 16:28	I-94 WB Off Ramp/23 Mile Road	836	Traffic Study

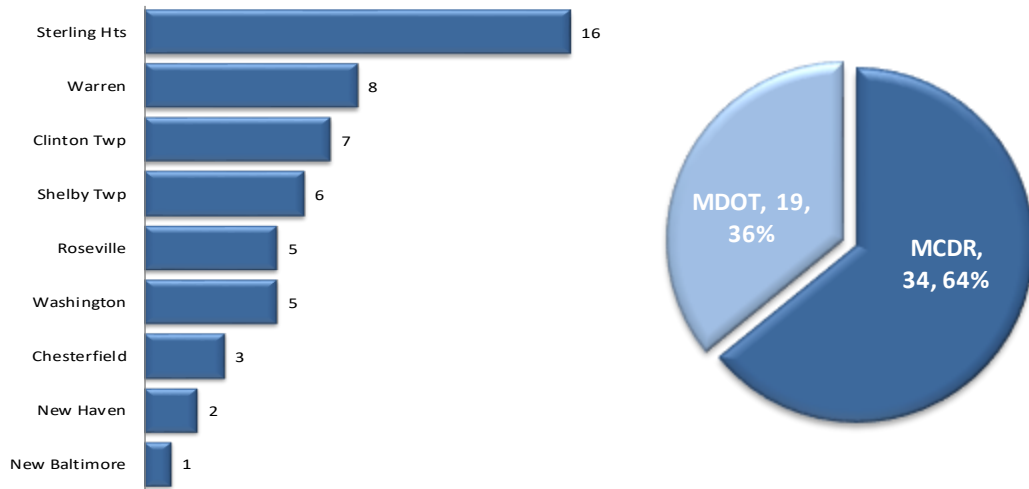


MCDR WEBSITE HITS



A total of 10,124 hits were accrued at <http://roads.macombgov.org/>.

CLOSED SERVICE REQUESTS PER MUNICIPALITY

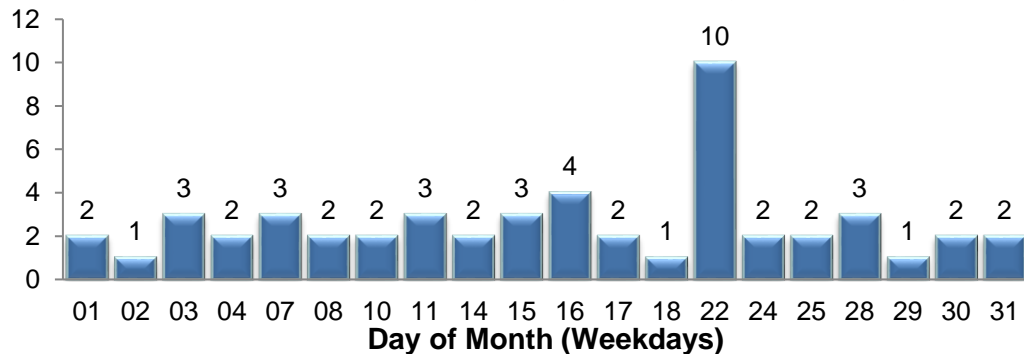


The chart to the left shows how many requests were closed per traffic signal location within each municipality. The chart to the right shows the breakdown of the requests closed under MDOT or MCDR / local municipality jurisdiction.

GOVDELIVERY NOTIFICATIONS

In the month of August, the TOC sent out 52 GovDelivery notifications. The number of recipients receiving GovDelivery notifications increased from 4,848 to 4,961 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

August 2023

