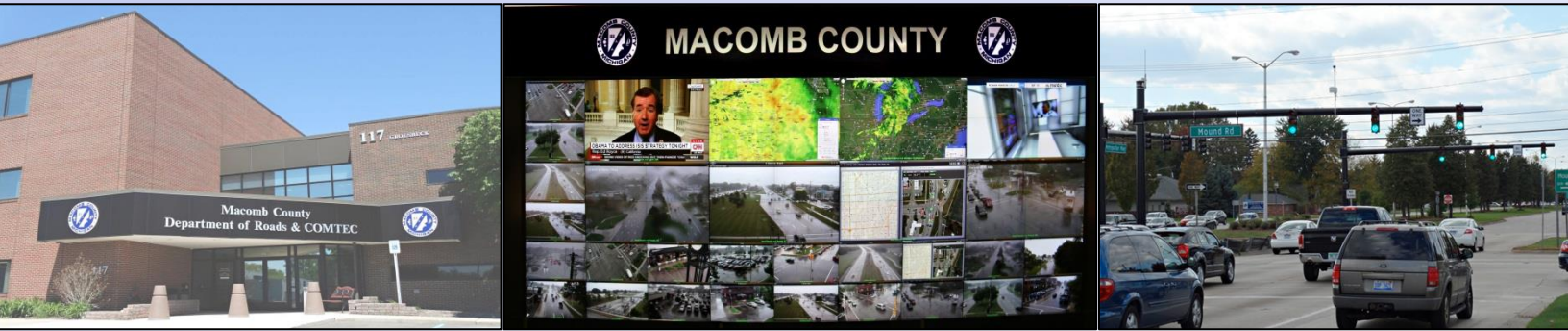


# MACOMB COUNTY DEPARTMENT OF ROADS

## 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



**May 2023**

**AECOM**

**WSP**

**INTEGRAL  
BLUE**



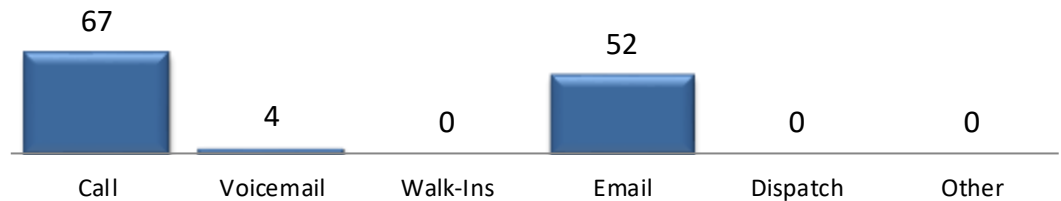
**John Abraham, PhD, PE, PTOE**  
Director of Traffic & Operations  
Macomb County Department of Roads  
117 S Groesbeck Hwy  
Mount Clemens, MI 48043  
586-463-8671  
[JAbraham@RCMCWeb.org](mailto:JAbraham@RCMCWeb.org)

# MONTHLY TOC HIGHLIGHT

May 2023 was a proud month for the Macomb County Department of Road Traffic Operations Center (MCDR TOC) for winning the prestigious Institute of Transportation Engineers (ITE) Great Lakes District's "Transportation Achievement Award". The Great Lakes District of ITE (an international organization of Transportation Professionals) includes members in Illinois, Indiana, Michigan, Minnesota, North Dakota, Ohio, South Dakota, and Wisconsin. It is truly an honor that the innovations used to serve the motoring public of Macomb County stood out to receive this prestigious award among the projects from these eight states. In addition, the innovative projects of MCDR TOC have been chosen for presentation at conferences over the next three months that are hosted by various international organizations in the industry.

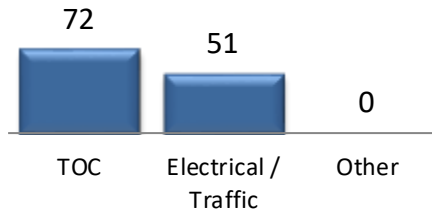
## OPENED SERVICE REQUESTS

### Service Request Source



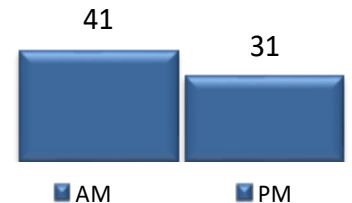
In the month of May, **123** incoming requests regarding traffic signals were received.

### Service Request Opened by Dept.

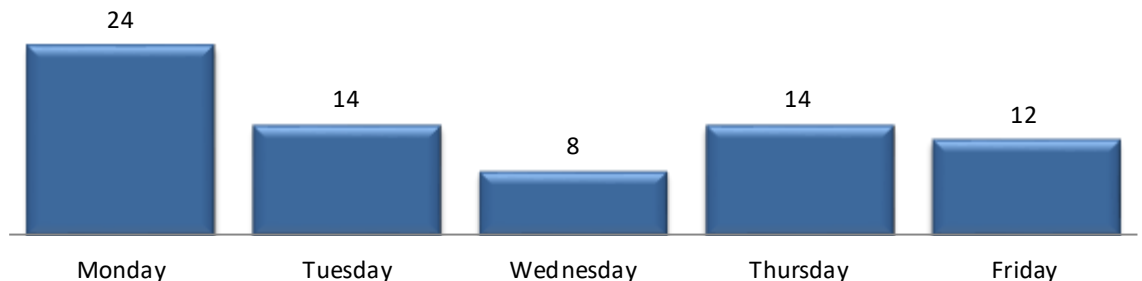


In the month of May, TOC engineers closed **76** service requests within an average of **6** business days.

### TOC Service Requests Opened by Time of Day



### TOC Service Request Opened Per Day of Week



TRAFFIC OPERATIONS

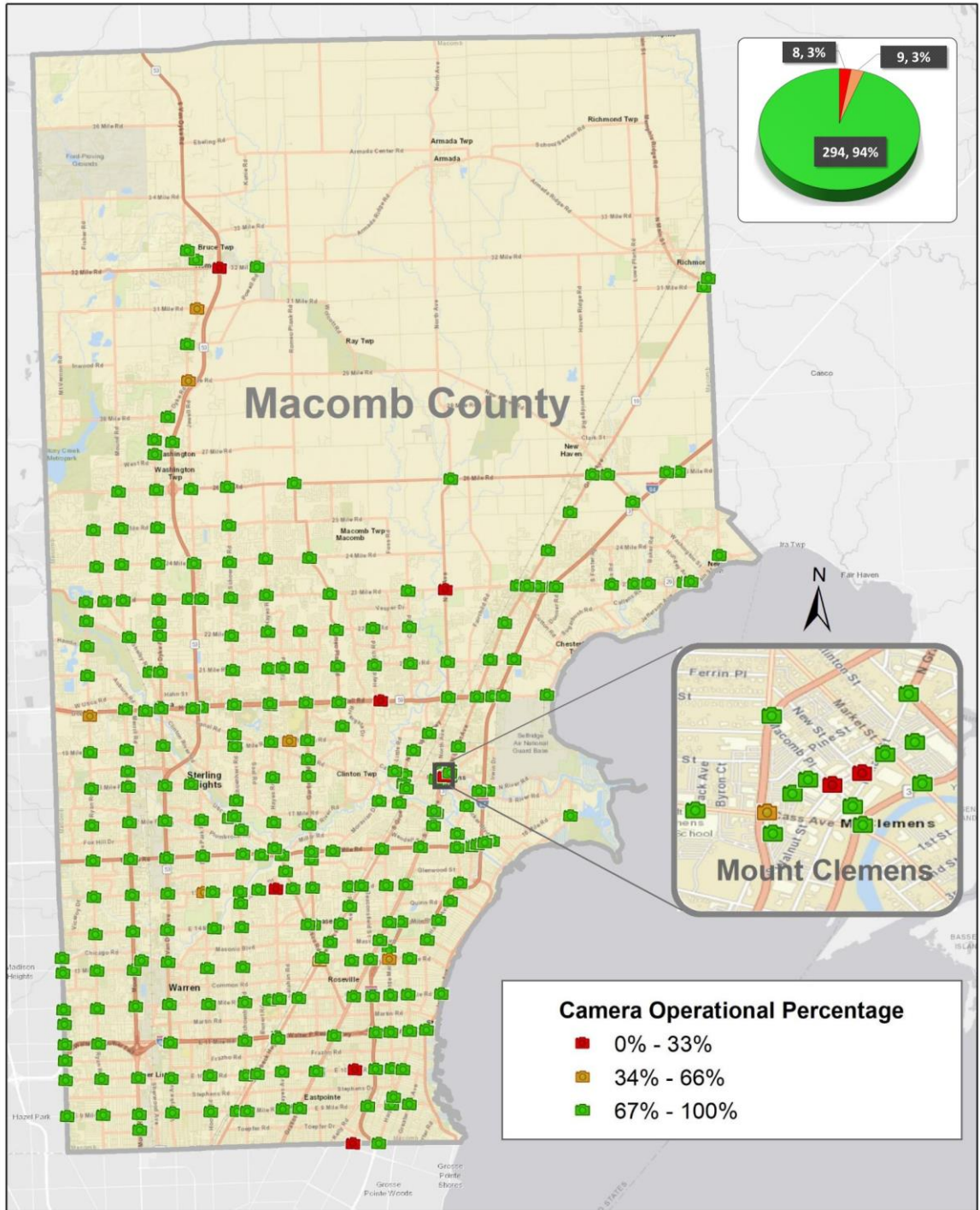
May 2023



# CCTV TRAFFIC CAMERA SUMMARY

## CAMERA COVERAGE

May 2023



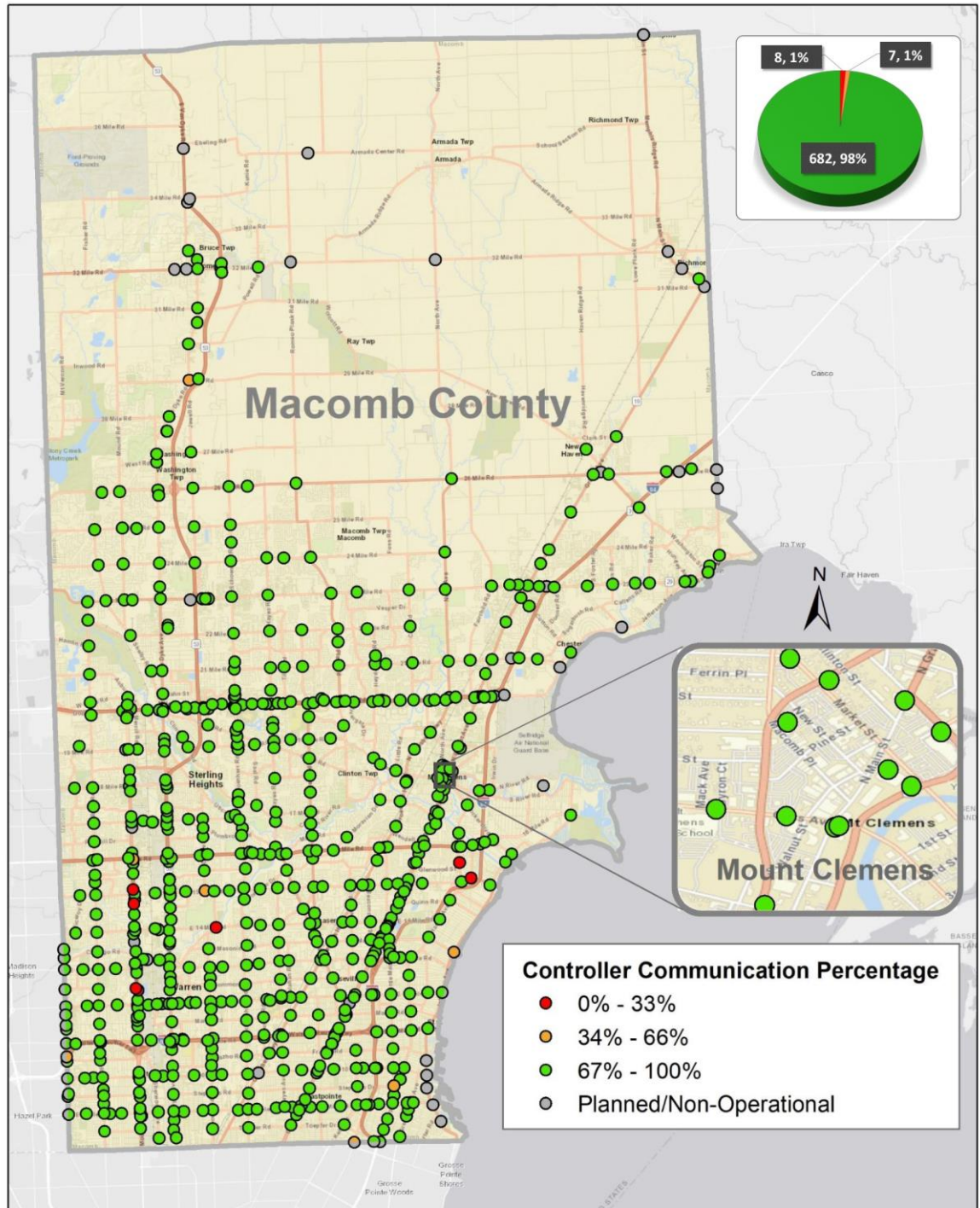
The map above represents the CCTV camera operational percentages for the month of May 2023.



# REGIONAL COMMUNICATIONS SUMMARY

## ITS MAINTENANCE

May 2023



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



# HIGH IMPACT CORRIDOR COMMUNICATIONS AVAILABILITY

Corridor	Current Month	Previous Month	Change
9 Mile	99%	98%	1%
14 Mile	98%	99%	-1%
15 Mile	97%	99%	-2%
Metro Parkway	99%	100%	-1%
Hall Rd(M-59)	99%	99%	0%
Dequindre	99%	99%	0%
Ryan	99%	99%	0%
Mound	91%	94%	-3%
Hoover	95%	99%	-4%
Schoenherr	98%	99%	-1%
Hayes	98%	99%	-1%
Gratiot(M-3)	98%	97%	1%
Harper	94%	97%	-3%

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

## FIELD WORK

*147 sites visited by the IT/ITS Maintenance Technicians. 18 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
05/01/2023 12:52	Cotton/Jefferson	821	Service Request
05/01/2023 15:13	Hall Road (M-59)/Hayes	467	Incident (Crash)
05/01/2023 16:43	Chicago/13 Mile Road/GM Gate/13 Mile Road WB	422	Service Request
05/02/2023 15:35	Romeo Plank/21 Mile Road	466	Incident (Crash)
05/02/2023 15:52	14 Mile Road/Schoenherr	339	Incident (Crash)
05/02/2023 16:23	14 Mile Road/Schoenherr	339	Incident (Crash)
05/02/2023 18:00	Dequindre/Stephens	103	Traffic Study
05/03/2023 8:13	Van Dyke SB (M-53)/Crossover N. of Metropolitan Parkway	673	Incident (Crash)
05/04/2023 9:17	17 Mile Road/Van Dyke	221	Incident (Crash)
05/04/2023 17:07	Moravian/Schoenherr	38	Service Request



# SIGNAL TIMING CHANGES CONTINUED

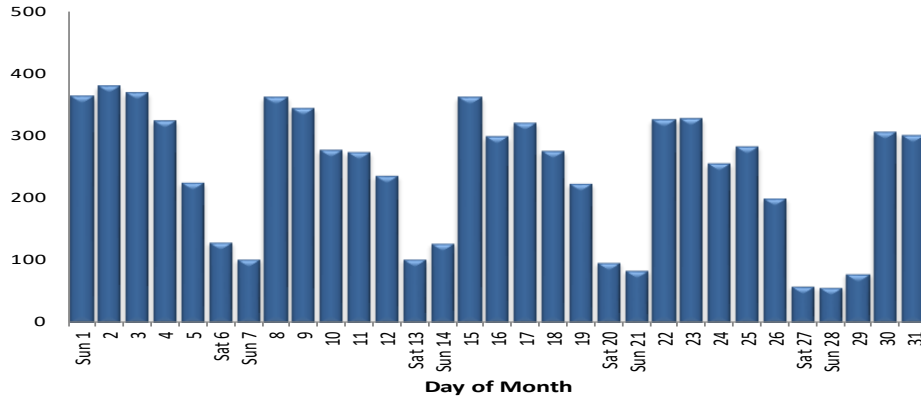
**MAINTENANCE**

May 2023

Time of Signal change	Location	Intersection	Reason for signal change
05/05/2023 7:40	Gratiot (M-3)/I-696 Service Drive (Westbound/North Side)	431	Incident (Congestion)
05/05/2023 7:40	Gratiot/I-696 S Service Drive	115	Incident (Congestion)
05/05/2023 7:40	Barkman/I-696 N Service Drive	50	Incident (Congestion)
05/05/2023 7:40	Hayes/I-696 Service Drive (Westbound/North Side)	432	Incident (Congestion)
05/05/2023 7:40	Groesbeck/I-696 N Service Drive	19	Incident (Congestion)
05/05/2023 7:40	Groesbeck (M-97)/I-696 S Service Drive	116	Incident (Congestion)
05/05/2023 7:40	Bunert/I-696 Service Drive (Westbound/North Side)	540	Incident (Congestion)
05/05/2023 7:40	Bunert/I-696 S Service Drive	539	Incident (Congestion)
05/05/2023 7:48	Gratiot (M-3)/12 Mile Road	184	Incident (Congestion)
05/05/2023 7:48	Gratiot SB (M-3)/Crossover 380' N of 12 Mile Road	552	Incident (Congestion)
05/05/2023 7:48	Gratiot NB (M-3)/Crossover 366' S of 12 Mile Road	553	Incident (Congestion)
05/05/2023 7:56	Gratiot SB (M-3)/Crossover 625' N of 10 Mile Road	583	Incident (Congestion)
05/05/2023 7:56	Gratiot (M-3)/10 Mile Road	180	Incident (Congestion)
05/05/2023 7:56	Gratiot NB (M-3)/Crossover 600' S of 10 Mile Road	33	Incident (Congestion)
05/05/2023 9:34	Donner/M-29 (23 Mile Road)	999	Service Request
05/05/2023 16:05	14 Mile Road/Schoenherr	339	Construction
05/05/2023 17:18	Gratiot/26 Mile Road	588	Incident (Congestion)
05/08/2023 17:29	15 Mile Road/Mound	42	Service Request
05/10/2023 14:53	Hayes/19 Mile Road	519	Incident (Crash)
05/10/2023 16:49	Cotton/Jefferson	821	Service Request
05/10/2023 16:49	Jefferson/21 Mile road	964	Service Request
05/10/2023 17:46	Gratiot (M-3)/23 Mile Road	186	Congestion
05/11/2023 14:18	Cass/Main	71	Service Request
05/11/2023 16:34	Hayes/23 Mile Road	653	Incident (Crash)
05/11/2023 17:45	19 Mile Road/Ryan	88	Incident (Crash)
05/12/2023 14:57	18 Mile Road/Utica Road	507	Incident (Crash)
05/16/2023 9:09	Van Dyke NB (M-53)/Crossover 610' S of 15 Mile Road	666	Incident (Crash)
05/16/2023 9:09	Van Dyke SB (M-53)/Crossover 620' N of 15 Mile Road	667	Incident (Congestion)
05/16/2023 9:09	15 Mile Road/Van Dyke	139	Incident (Congestion)
05/16/2023 16:27	15 Mile Road/Groesbeck (M-97)	134	Construction
05/16/2023 16:50	Harper/Metropolitan Parkway	218	Incident (Crash)
05/16/2023 14:20	Moravian/Schoenherr	38	Service Request
05/17/2023 14:32	15 Mile Road/Ryan	137	Incident (Crash)
05/18/2023 12:27	17 Mile Road/Utica Road	751	Service Request
05/19/2023 16:26	Hall Road WB (M-59)/Crossover East of Romeo Plank	763	Congestion
05/19/2023 17:30	North Avenue/21 Mile Road	482	Incident (Crash)
05/22/2023 8:12	26 Mile Road/Van Dyke	328	Traffic Study
05/22/2023 8:12	Harper/Metropolitan Parkway	218	Service Request
05/22/2023 15:44	Hall Road (M-59)/Elizabeth	632	Incident (Crash)
05/18/2023 15:10	Hayes/13 Mile Road	164	Service Request
05/24/2023 16:42	North Avenue/23 Mile Road	292	Incident (Crash)
05/24/2023 16:45	15 Mile Road/Ryan	137	Incident (Crash)
05/25/2023 11:32	Chicago Road/Mound	28	Service Request
05/25/2023 13:38	Shelby Road/22 Mile Road	555	Service Request
05/25/2023 15:00	32 Mile Road/Main	353	Service Request
05/25/2023 17:42	Groesbeck (M-97)/13 Mile Road	203	Service Request
05/26/2023 11:15	Hayes/21 Mile Road	11	Incident (Crash)
05/26/2023 1:47	15 Mile Road/Moravian	136	Service Request
05/26/2023 15:49	Clinton River Road/19 Mile Road	514	Service Request
05/30/2023 12:46	Garfield/Metropolitan Parkway	157	Incident (Crash)
05/31/2023 16:16	North Avenue/21 Mile Road	482	Incident (Crash)
05/31/2023 16:46	Heydenreich/21 Mile Road	276	Incident (Crash)

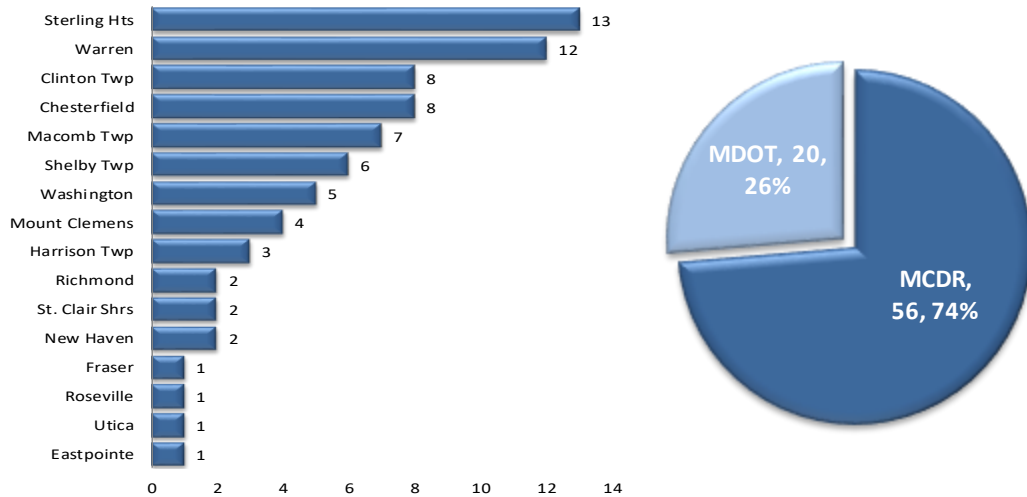


# MCDR WEBSITE HITS



A total of **7,435** hits were accrued at <http://roads.macombgov.org/>.

## CLOSED SERVICE REQUESTS PER MUNICIPALITY

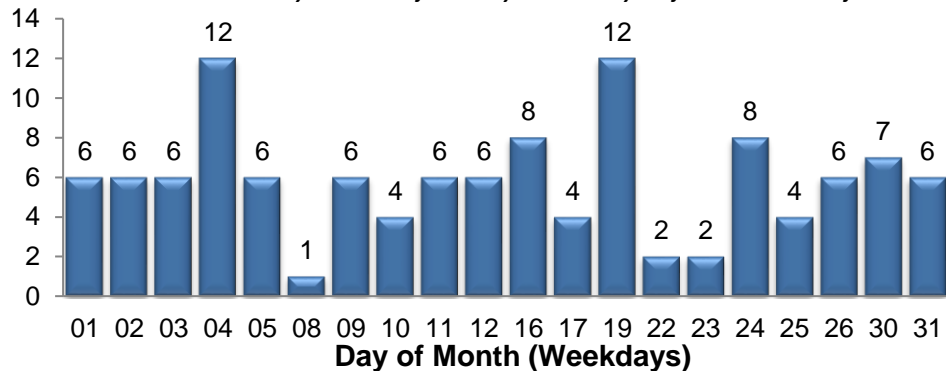


The chart to the left shows how many requests were closed per traffic signal location within each municipality. The chart to the right shows breakdown of the requests closed under MDOT or MCDR / local municipality jurisdiction.

## GOVDELIVERY NOTIFICATIONS

In the month of May, the TOC sent out **118** GovDelivery notifications. The number of recipients receiving GovDelivery notifications increased from **4,647** to **4,716** 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

May 2023

