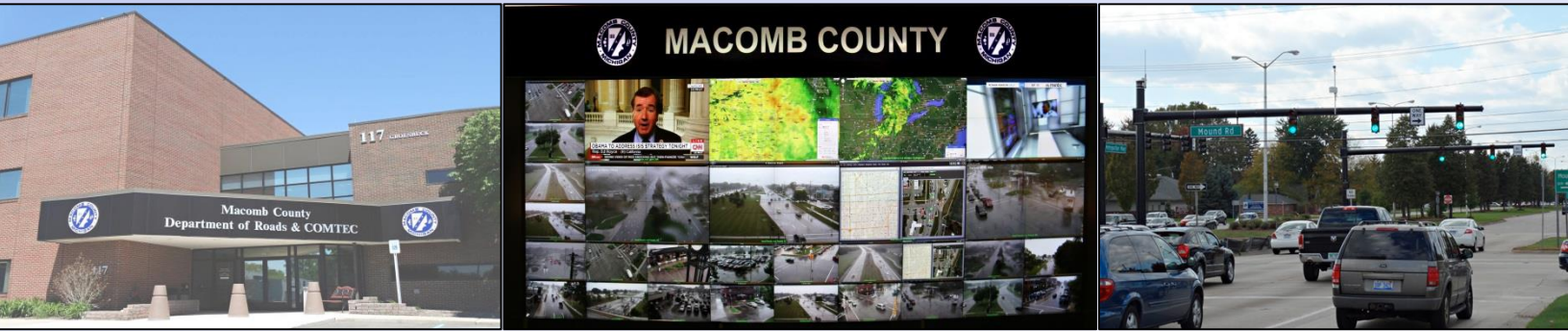


# MACOMB COUNTY DEPARTMENT OF ROADS

## 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 2022**

**AECOM**

**WSP**

**INTEGRAL  
BLUE**



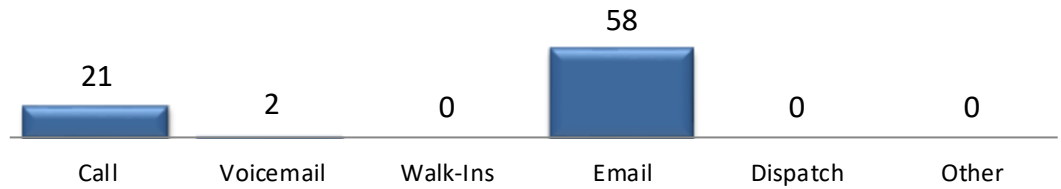
**John Abraham, PhD, PE, PTOE**  
Director of Traffic & Operations  
Macomb County Department of Roads  
117 S Groesbeck Hwy  
Mount Clemens, MI 48043  
586-463-8671  
[JAbraham@RCMCWeb.org](mailto:JAbraham@RCMCWeb.org)

# MONTHLY TOC HIGHLIGHT

In January, the Macomb County Department of Roads - Traffic Operations Center (MCDR-TOC) staff collaborated with the Southeast Michigan Traffic Operations Center (SEMTOC) to keep Macomb County's traffic flowing quickly and safely. A hazmat incident on the I-696 freeway resulted in westbound I-696 being closed for approximately five hours. Therefore, the MCDR-TOC and SEMTOC staff implemented the real-time Integrated Corridor Management (ICM) plan, which increases traffic flow on the service drive so that freeway traffic may more easily bypass the closure. The MCDR-TOC's control room, ITS maintenance, and engineering teams ensured smooth operations and traffic flow through active communication and collaboration.

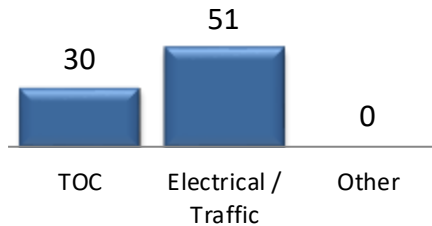
## SERVICE REQUESTS

### Service Request Source



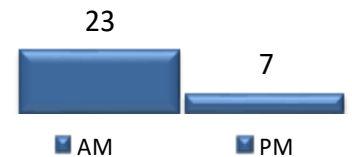
In the month of January, **81** incoming requests regarding traffic signals were received.

### Service Request by Dept.

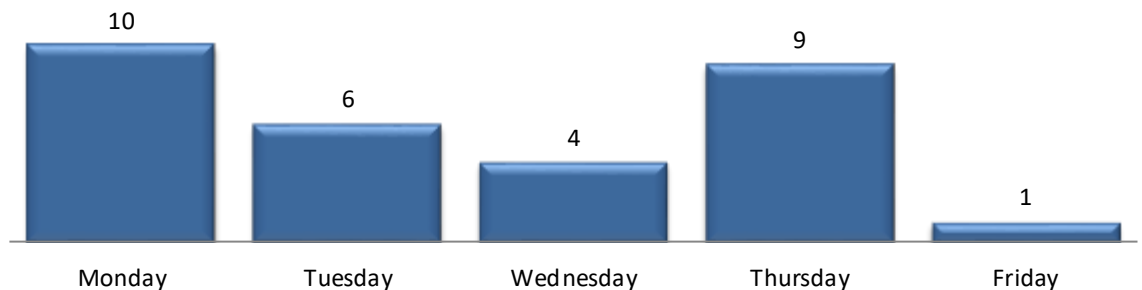


In the month of January, TOC engineers closed **25** service requests within an average of **5** business days.

### TOC by Time of Day



### Service Request Per Day of Week



TRAFFIC OPERATIONS

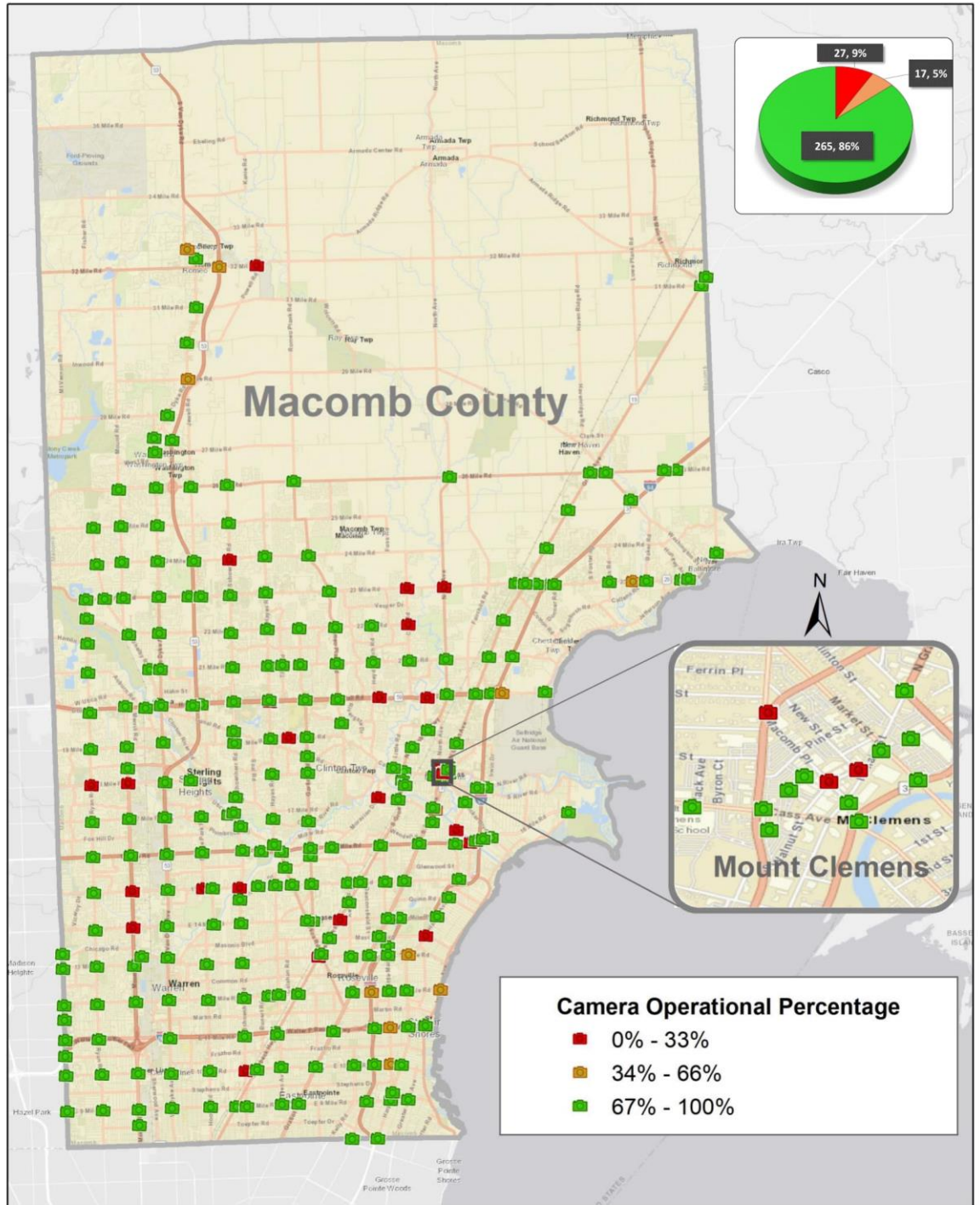
January 2022



# CCTV TRAFFIC CAMERA SUMMARY

## CAMERA COVERAGE

January 2022



The map above represents the CCTV camera operational percentages for the month of January 2022.

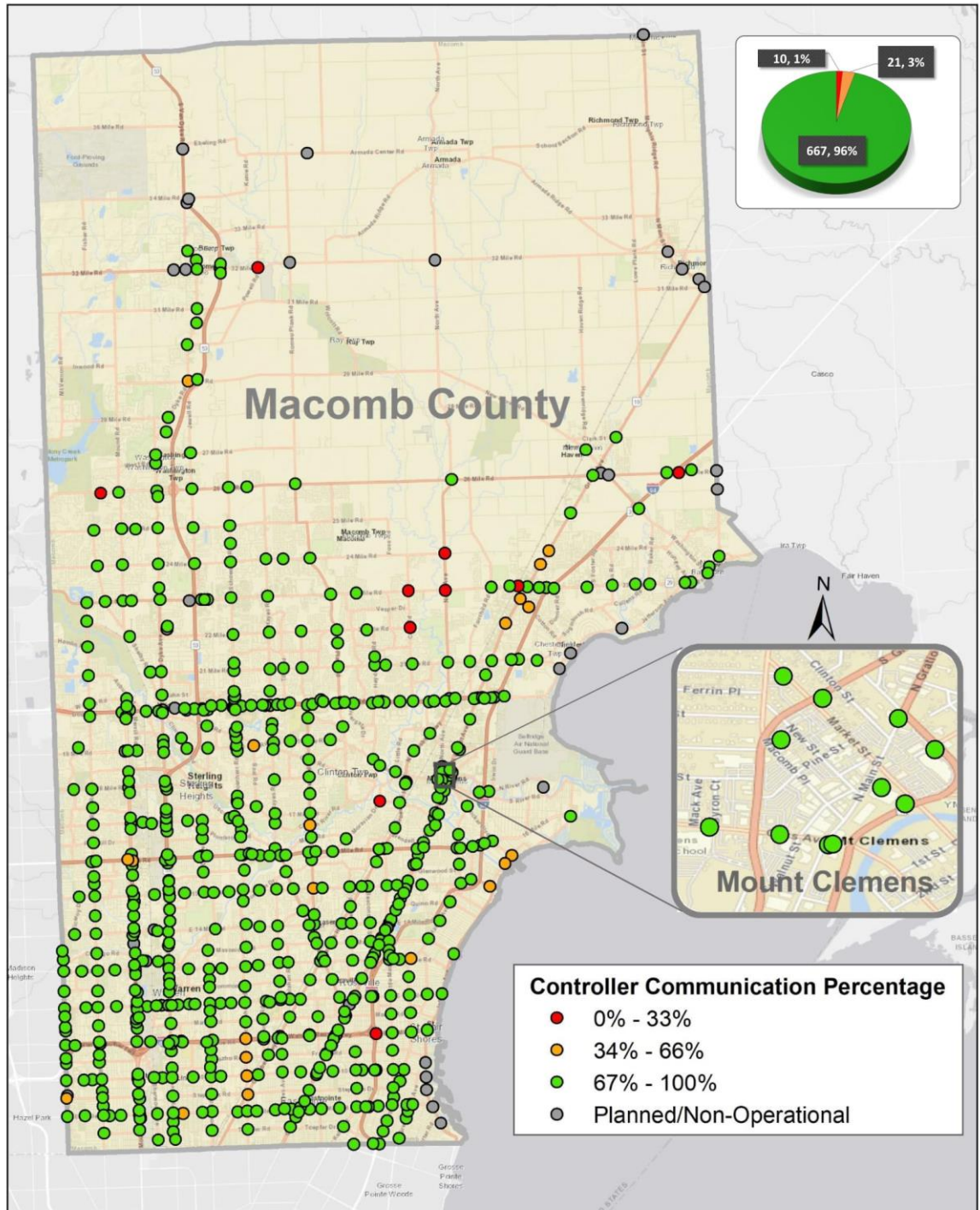




# REGIONAL COMMUNICATIONS SUMMARY

## ITS MAINTENANCE

January 2022



The map above represents the communication availability percentages of Traffic Signal Controllers for the month of January 2022.



# HIGH IMPACT CORRIDOR COMMUNICATIONS AVAILABILITY

Corridor	Current Month	Previous Month	Change
9 Mile	93%	98%	-5%
14 Mile	99%	99%	0%
15 Mile	99%	99%	0%
Metro Parkway	99%	99%	0%
Hall Rd(M-59)	99%	99%	0%
Dequindre	93%	92%	1%
Ryan	97%	96%	1%
Mound	99%	99%	0%
Hoover	92%	98%	-6%
Schoenherr	94%	99%	-5%
Hayes	96%	99%	-3%
Gratiot(M-3)	98%	98%	0%
Harper	97%	99%	-2%

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

## FIELD WORK

*99 sites visited by the IT/ITS Maintenance Technicians. 13 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
01/03/2022 15:17	Groesbeck (M-97)/Metropolitan Parkway	198	Incident
01/03/2022 17:14	I-94 WB Off Ramp/26 Mile Road	852	Incident
01/03/2022 17:15	26 Mile Road/Meijer Drive (E. of I-94)	974	Incident
01/03/2022 17:15	County Line/26 Mile Road	89	Incident
01/03/2022 18:05	Gratiot (M-19)/27 Mile Road	893	Construction
01/04/2022 17:27	15 Mile Road/Groesbeck (M-97)	134	Congestion
01/05/2022 16:22	26 Mile Road/Duncan Elementary School	912	Service Request
01/06/2022 16:39	Dequindre/I-696 Service Drive (Westbound/North Side)	438	Incident
01/06/2022 16:39	Dequindre/I-696 S Service Drive	403	Incident
01/06/2022 16:39	11 Mile/I-696 Service Drive (Westbound/North Side)	404	Incident



# SIGNAL TIMING CHANGES

## CONTINUED

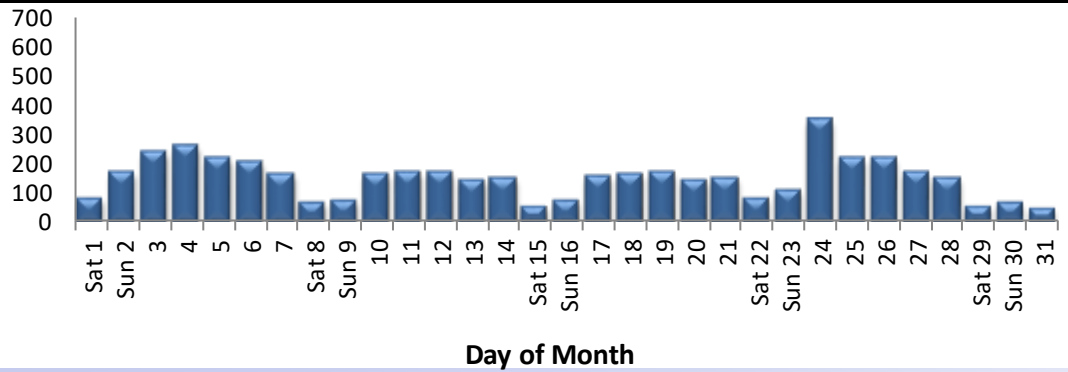
**MAINTENANCE**

January 2022

Time of Signal change	Loc #	Intersection	Reason for signal change
01/06/2022 16:39	I-696 Service Drive (Westbound/North Side)/Ryan	435	Incident
01/06/2022 16:39	EB I-696 S Service Drive/Ryan	123	Incident
01/06/2022 16:39	11 Mile/Mound SB	551	Incident
01/06/2022 16:39	11 Mile/Mound NB	1	Incident
01/06/2022 16:40	11 Mile/ATAC Gate 38	118	Incident
01/06/2022 16:40	I-696 S Service Drive/500' W of Van Dyke	441	Incident
01/06/2022 16:40	I-696 S Service Drive/Van Dyke	125	Incident
01/06/2022 16:40	I-696 Service Drive (Westbound/North Side)/Van Dyke	13	Incident
01/06/2022 16:40	I-696 Service Drive (Westbound/North Side)/E of Van Dyke	440	Incident
01/10/2022 15:46	Mound SB/Crossover 660' N of 12 Mile Road	458	Incident
01/10/2022 15:46	Mound/12 Mile Road	10	Incident
01/10/2022 15:46	31 Mile Road/Van Dyke	840	Incident
01/11/2022 17:42	Mound SB/Crossover 750' North of 13 Mile Road	783	Incident
01/13/2022 10:00	12 Mile Road/Utica Road	320	Construction
01/18/2022 13:23	Pauline/12 Mile Road	294	Service Request
01/18/2022 13:23	Lorna/12 Mile Road	607	Service Request
01/18/2022 13:24	12 Mile Road/GM Gate (1/4 Mile E. of Mound)	331	Service Request
01/21/2022 15:20	Hall Road EB (M-59)/M-53 NB On Ramp	568	Incident
01/21/2022 15:20	Delco/Hall Road (M-59)	525	Incident
01/21/2022 15:20	Hall Road WB (M-59)/Crossover East of Delco	781	Incident
01/21/2022 16:31	Delco/Hall Road (M-59)	525	Congestion
01/21/2022 16:31	Hall Road WB (M-59)/Crossover East of Delco	781	Congestion
01/21/2022 17:38	15 Mile Road/Hayes	827	Incident
01/24/2022 15:57	Dequindre/Parkview	9	Congestion
01/24/2022 15:57	Dequindre/Madison Solberg Towers	154	Congestion
01/24/2022 15:57	Dequindre/Universal Mall	380	Congestion
01/24/2022 15:57	Dequindre/12 Mile Road	106	Congestion
01/24/2022 15:57	Common/Dequindre	409	Congestion
01/24/2022 15:57	Dequindre/13 Mile Road	105	Congestion
01/24/2022 15:57	Dequindre/Whitcomb	26	Congestion
01/24/2022 15:57	East Avis Dr./Dequindre Road	408	Congestion
01/24/2022 15:57	21 Mile Road/Van Dyke	43	Congestion
01/24/2022 15:57	22 Mile Road/Van Dyke	430	Congestion
01/24/2022 15:57	23 Mile Road/Van Dyke	324	Congestion
01/24/2022 17:02	15 Mile Road/Groesbeck (M-97)	134	Congestion
01/25/2022 17:42	Metropolitan Parkway/Union Lake	981	Incident
01/26/2022 8:21	Schoenherr/23 Mile Road	608	Incident
01/26/2022 12:44	15 Mile Road/Hayes	827	Incident
01/26/2022 14:24	Romeo Plank/22 Mile Road	385	Construction
01/27/2022 15:04	19 Mile Road/Schoenherr	570	Incident
01/27/2022 15:46	Hayes/23 Mile Road	653	Construction
01/28/2022 12:41	Metropolitan Parkway EB/Crossover 535' W of Groesbeck	646	Incident
01/28/2022 12:41	Groesbeck (M-97)/Metropolitan Parkway	198	Incident
01/28/2022 12:41	Metropolitan Parkway WB/Crossover 500' E of Groesbeck	618	Incident

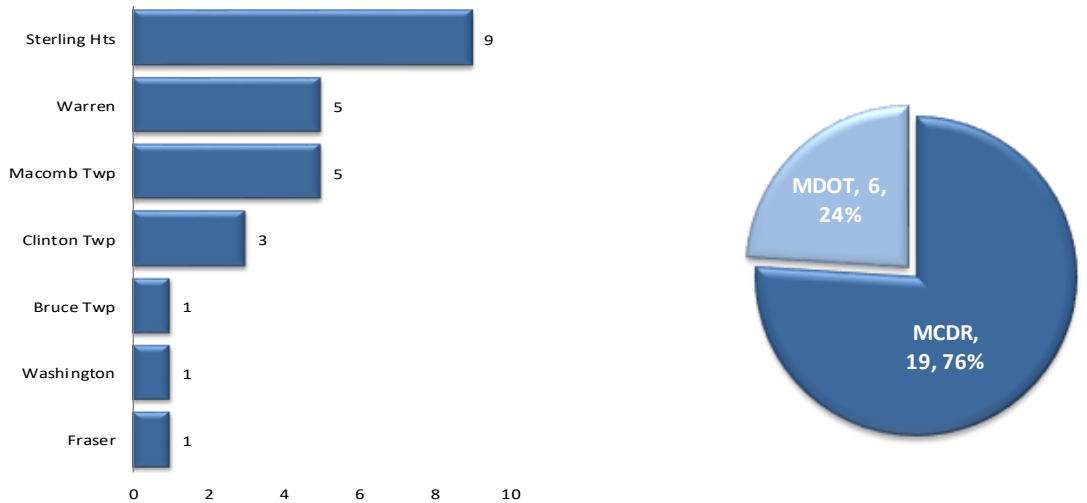


## MCDR WEBSITE HITS



A total of **4,652** hits were accrued at <http://roads.macombgov.org/>.

## SERVICE REQUESTS PER MUNICIPALITY

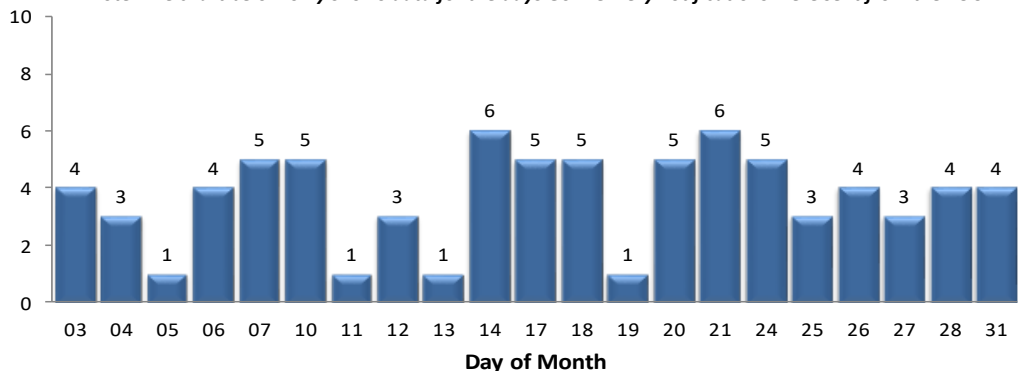


The chart to the left shows how many requests were created per traffic signal location under municipality jurisdiction. The chart to the right shows breakdown of the requests created under MDOT or MCDR / local municipality jurisdiction.

## GOVDELIVERY NOTIFICATIONS

In the month of January, the TOC sent out **78** GovDelivery notifications, and increased the number of recipients from **3,124** to **3,168** 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.](#)

