

# 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



### February 2022

**AECOM**

**WSP**

**INTEGRAL  
BLUE**



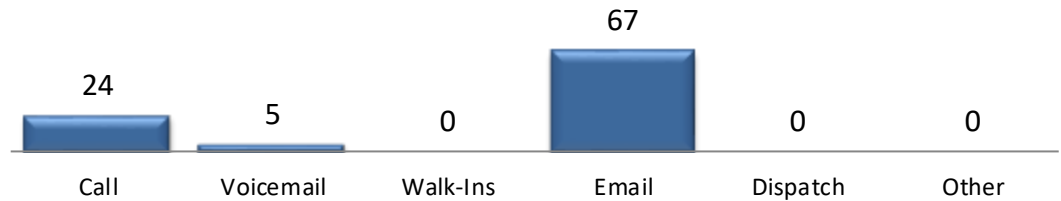
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# MONTHLY TOC HIGHLIGHT

In February, Macomb county encountered some of the season's heaviest snowfall, including 3 blizzard days. Typically, motorists drive with extra caution during adverse weather conditions, including reducing speed, maintaining a larger gap between vehicles, and experiencing longer startup and stopping times. Therefore, in real-time, the Traffic Operations Center (TOC) Engineers of Macomb County Department of Roads deployed predefined Contingency Weather Plans (CWP) to 43 signalized intersections spread within 5 corridors. Deployment of CWP helps maintain traffic progression, thereby reducing rear-end collisions.

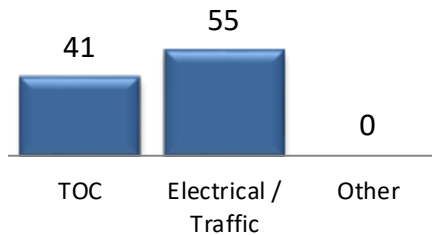
## SERVICE REQUESTS

### Service Request Source



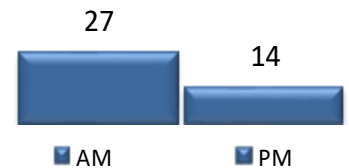
In the month of February, **96** incoming requests regarding traffic signals were received.

### Service Request by Dept.

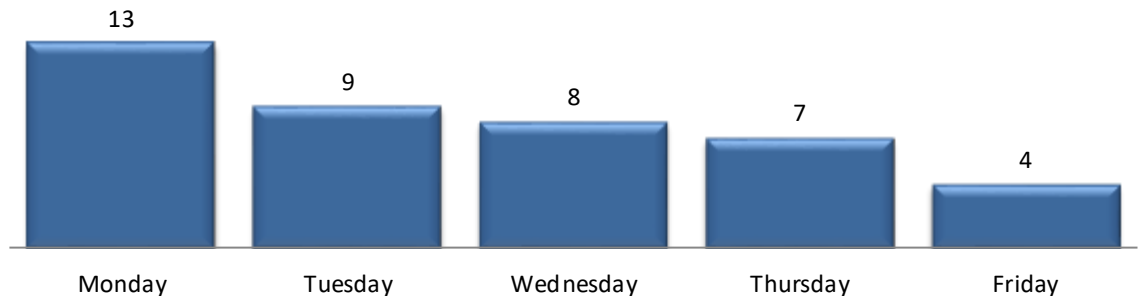


In the month of February, TOC engineers closed **38** service requests within an average of **5** business days.

### TOC by Time of Day



### Service Request Per Day of Week



TRAFFIC OPERATIONS

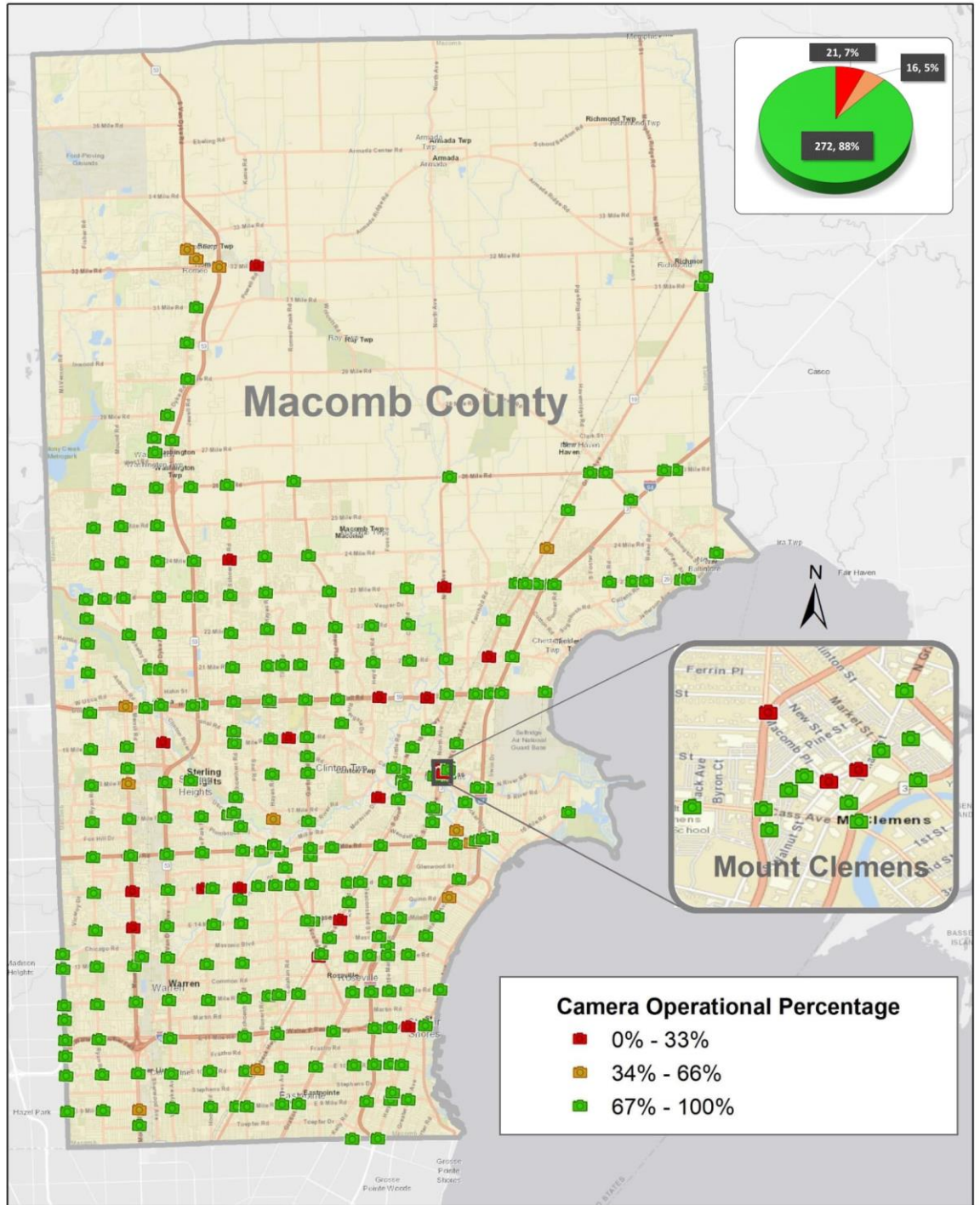
February 2022



# CCTV TRAFFIC CAMERA SUMMARY

## CAMERA COVERAGE

February 2022



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

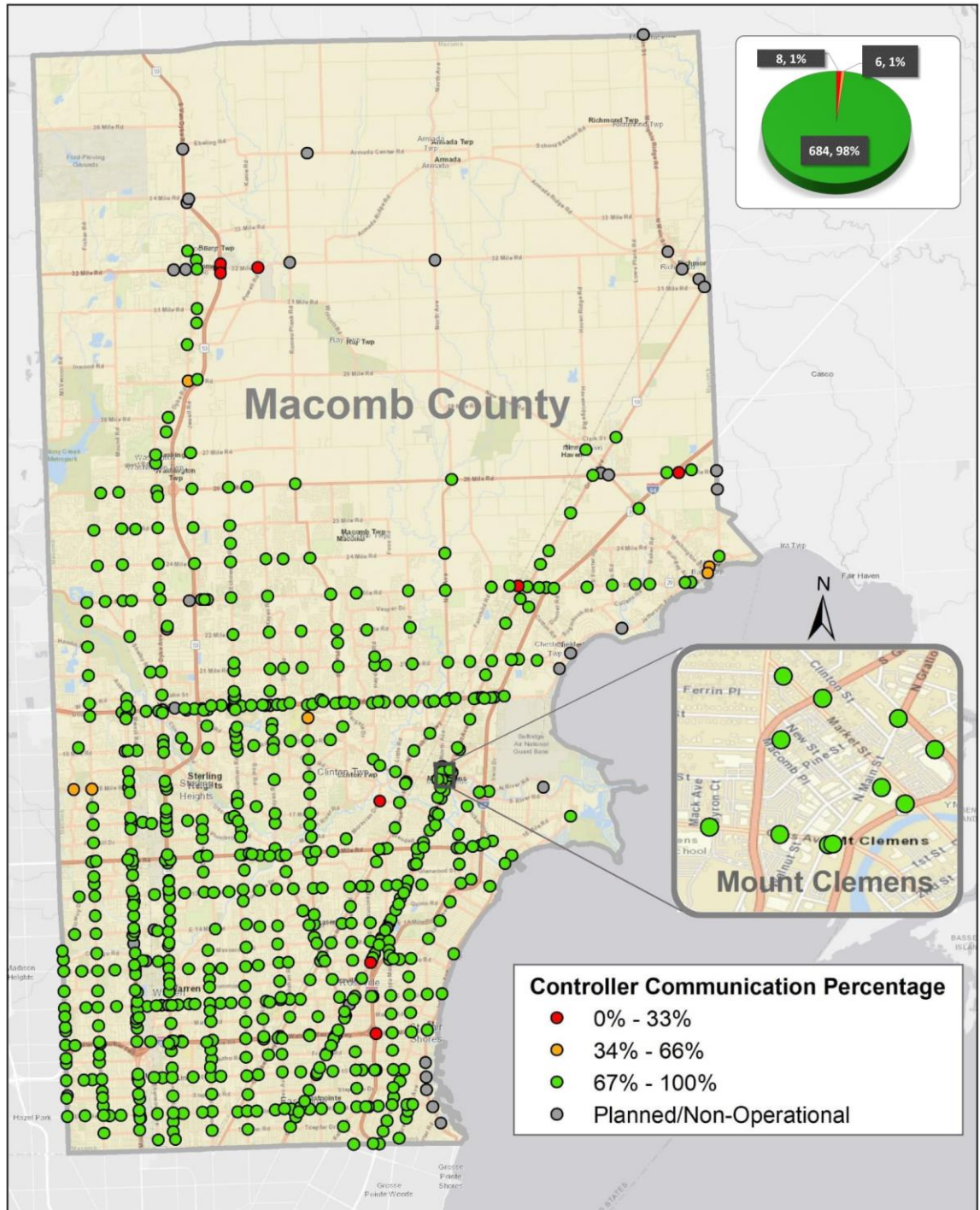




# REGIONAL COMMUNICATIONS SUMMARY

## ITS MAINTENANCE

February 2022



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



# HIGH IMPACT CORRIDOR COMMUNICATIONS AVAILABILITY

Corridor	Current Month	Previous Month	Change
9 Mile	99%	98%	1%
14 Mile	97%	99%	-2%
15 Mile	98%	99%	-1%
Metro Parkway	99%	99%	0%
Hall Rd(M-59)	99%	99%	0%
Dequindre	99%	92%	7%
Ryan	98%	96%	2%
Mound	99%	99%	0%
Hoover	99%	98%	1%
Schoenherr	99%	99%	0%
Hayes	99%	99%	0%
Gratiot(M-3)	96%	98%	-2%
Harper	99%	99%	0%

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

## FIELD WORK

*83 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
02/03/2022 15:48	Hayes/24 Mile Road	511	Construction
02/03/2022 15:48	Romeo Plank/23 Mile Road	517	Construction
02/03/2022 15:48	Metropolitan Parkway WB/Crossover 500' E of Groesbeck	618	Incident
02/03/2022 15:48	Groesbeck (M-97)/Harrington	195	Incident
02/03/2022 15:48	Garfield/Millar	495	Construction
02/03/2022 15:48	Clinton River Road/Garfield	37	Construction
02/03/2022 15:48	Garfield/17 Mile Road	508	Construction
02/03/2022 15:48	Garfield/Terra Bella	614	Construction
02/03/2022 15:48	18 Mile Road/Garfield	624	Construction
02/03/2022 15:48	Canal/Garfield	500	Construction



# SIGNAL TIMING CHANGES CONTINUED

**MAINTENANCE**

February 2022

Time of Signal change	Loc #	Intersection	Reason for signal change
02/03/2022 15:48	Garfield/19 Mile Road	524	Construction
02/03/2022 15:48	Schoenherr/23 Mile Road	608	Congestion
02/03/2022 15:48	Hayes/23 Mile Road	653	Congestion
02/03/2022 15:48	Romeo Plank/23 Mile Road	517	Congestion
02/03/2022 15:48	Card/23 Mile Road	876	Congestion
02/03/2022 15:50	Dequindre/11 Mile	96	Congestion
02/03/2022 15:50	Dequindre/Parkview	9	Congestion
02/03/2022 15:50	Dequindre/Madison Solberg Towers	154	Congestion
02/03/2022 15:50	Dequindre/Universal Mall	380	Congestion
02/03/2022 15:50	Dequindre/12 Mile Road	106	Congestion
02/03/2022 15:50	Common/Dequindre	409	Congestion
02/03/2022 15:50	Dequindre/13 Mile Road	105	Congestion
02/03/2022 15:50	Dequindre/Whitcomb	26	Congestion
02/03/2022 15:50	East Avis Dr./Dequindre Road	408	Congestion
02/03/2022 15:50	Dawn (19 Mile Road)/Van Dyke	745	Congestion
02/03/2022 15:51	Utica Road/Van Dyke	325	Congestion
02/03/2022 15:51	Riverland/Van Dyke	213	Congestion
02/03/2022 15:51	Canal/Van Dyke	833	Congestion
02/03/2022 15:51	Hall Road (M-59)/Van Dyke	212	Congestion
02/03/2022 15:51	Hahn/Van Dyke	208	Congestion
02/03/2022 15:51	21 Mile Road/Van Dyke	43	Congestion
02/03/2022 15:51	22 Mile Road/Van Dyke	430	Congestion
02/03/2022 15:59	23 Mile Road/Van Dyke	324	Congestion
02/03/2022 16:00	Van Dyke/North of 23 Mile - Shelby Twp. Civic Center Drive	747	Congestion
02/03/2022 16:00	24 Mile Road/Van Dyke	323	Congestion
02/03/2022 16:00	25 Mile Road/Van Dyke	509	Congestion
02/03/2022 16:00	Van Dyke Avenue (Target/Kroger Dr./800' south of 26 Mile Rd	1041	Congestion
02/03/2022 16:00	26 Mile Road/Van Dyke	328	Congestion
02/03/2022 16:00	Van Dyke/West Road	327	Congestion
02/03/2022 16:00	27 Mile Road/Van Dyke	1000	Congestion
02/03/2022 16:59	I-696 Service Drive (Westbound/North Side)/Ryan	435	Congestion
02/03/2022 16:59	Martin/Ryan	363	Congestion
02/03/2022 16:59	Ryan/12 Mile Road	303	Congestion
02/03/2022 16:59	Common/Ryan	160	Congestion
02/03/2022 17:00	Ryan/13 Mile Road	301	Congestion
02/03/2022 17:00	Chicago Road/Ryan	79	Congestion
02/03/2022 17:00	14 Mile Road/Ryan	144	Congestion
02/03/2022 17:00	Bieber/Ryan	710	Congestion
02/03/2022 17:00	15 Mile Road/Ryan	137	Congestion
02/03/2022 17:00	Dickson (Vernoica)/Ryan	599	Congestion
02/03/2022 17:00	Foxhill/Ryan	538	Congestion
02/03/2022 17:01	Ryan/17 Mile Road	447	Congestion
02/03/2022 17:01	Franklin Park Drive/Ryan	554	Congestion
02/03/2022 17:01	19 Mile Road/Ryan	88	Congestion



# SIGNAL TIMING CHANGES CONTINUED

**MAINTENANCE**

February 2022

Time of Signal change	Loc #	Intersection	Reason for signal change
02/07/2022 14:42	Hall Road EB (M-59)/Eastbrook Drive	770	Incident
02/08/2022 16:13	Garfield/19 Mile Road	524	Incident
02/08/2022 17:03	Hall Road EB (M-59)/Crossover W. of Marketplace Blvd	891	Incident
02/10/2022 17:02	15 Mile Road/Ryan	137	Service Request
02/10/2022 17:02	Martin/Ryan	363	Service Request
02/14/2022 11:01	Romeo Plank/21 Mile Road	466	Incident
02/14/2022 11:01	Hall Road EB (M-59)/M-53 NB On Ramp	568	Incident
02/14/2022 11:01	Hall Road WB (M-59)/M-53 NB Off Ramp	780	Incident
02/14/2022 11:01	Hall Road EB/WB (M-59)/M-53 SB Off Ramp	779	Incident
02/14/2022 11:01	Delco/Hall Road (M-59)	525	Incident
02/14/2022 17:20	18 Mile Road/Ryan	381	Service Request
02/15/2022 14:14	NB Mound at 300' South of Center Drive	1051	Incident
02/17/2022 16:09	Hall Road EB (M-59)/Crossover West of Sterritt	778	Incident
02/17/2022 16:09	Gratiot (M-3)/Masonic	169	Construction
02/17/2022 16:09	Romeo Plank/23 Mile Road	517	Incident
02/17/2022 16:09	Groesbeck (M-97)/Hall Road (M-59)	193	Incident
02/17/2022 16:09	I-94 Northbound/12 Mile Road	358	Incident
02/17/2022 16:09	Clinton River Road/Schoenherr	628	Incident
02/17/2022 16:09	Schoenherr SB/Crossover North of Clinton River Road	857	Incident
02/17/2022 16:09	Ryan/17 Mile Road	447	Incident
02/17/2022 16:15	Hayes/19 Mile Road	519	Incident
02/17/2022 16:16	Hayes/23 Mile Road	653	Congestion
02/17/2022 16:16	Romeo Plank/23 Mile Road	517	Congestion
02/17/2022 16:16	Card/23 Mile Road	876	Congestion
02/17/2022 17:52	Metropolitan Parkway WB/Crossover 500' E of Groesbeck	618	Incident
02/17/2022 17:52	Dequindre/11 Mile	96	Congestion
02/17/2022 17:52	Dequindre/Parkview	9	Congestion
02/17/2022 17:52	Dequindre/Madison Solberg Towers	154	Congestion
02/17/2022 17:52	Dequindre/Universal Mall	380	Congestion
02/17/2022 17:52	Dequindre/12 Mile Road	106	Congestion
02/17/2022 17:52	Common/Dequindre	409	Congestion
02/17/2022 17:52	Dequindre/13 Mile Road	105	Congestion
02/17/2022 17:52	Dequindre/Whitcomb	26	Congestion
02/17/2022 17:52	East Avis Dr./Dequindre Road	408	Congestion
02/17/2022 17:52	Ryan/12 Mile Road	303	Congestion
02/17/2022 17:52	Common/Ryan	160	Congestion
02/17/2022 17:52	Ryan/13 Mile Road	301	Congestion
02/17/2022 17:52	Chicago Road/Ryan	79	Congestion
02/17/2022 17:52	14 Mile Road/Ryan	144	Congestion
02/17/2022 17:52	Bieber/Ryan	710	Congestion
02/17/2022 17:52	15 Mile Road/Ryan	137	Congestion
02/17/2022 17:52	Dickson (Vernoica)/Ryan	599	Congestion
02/17/2022 17:52	Foxhill/Ryan	538	Congestion
02/17/2022 17:52	Ryan/17 Mile Road	447	Congestion
02/17/2022 17:52	Franklin Park Drive/Ryan	554	Congestion
02/17/2022 17:52	18 Mile Road/Ryan	381	Congestion
02/17/2022 17:52	19 Mile Road/Ryan	88	Congestion
02/17/2022 17:52	Dawn (19 Mile Road)/Van Dyke	745	Congestion
02/17/2022 17:52	Riverland/Van Dyke	213	Congestion
02/17/2022 17:52	Canal/Van Dyke	833	Congestion
02/17/2022 17:52	Hall Road (M-59)/Van Dyke	212	Congestion





# SIGNAL TIMING CHANGES CONTINUED

**MAINTENANCE**

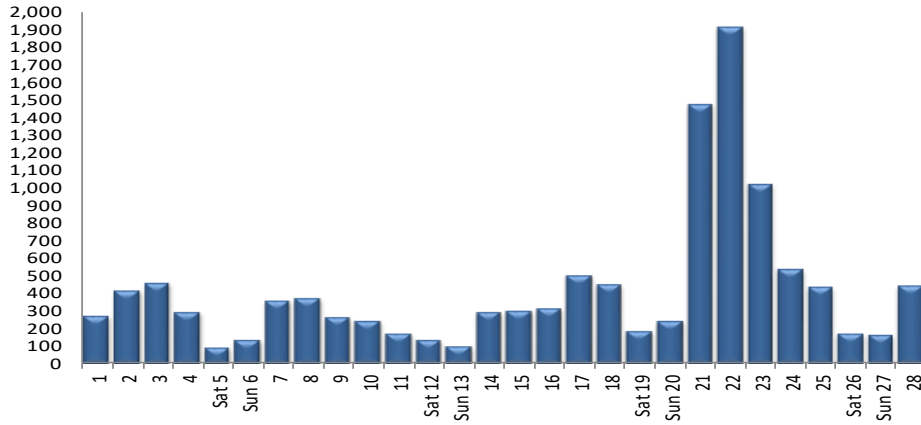
February 2022

Time of Signal change	Loc #	Intersection	Reason for signal change
02/17/2022 17:52	Hahn/Van Dyke	208	Congestion
02/17/2022 17:52	21 Mile Road/Van Dyke	43	Congestion
02/17/2022 17:52	22 Mile Road/Van Dyke	430	Congestion
02/17/2022 17:52	23 Mile Road/Van Dyke	324	Congestion
02/17/2022 17:52	Van Dyke/North of 23 Mile - Shelby Twp. Civic Center Drive	747	Congestion
02/17/2022 17:52	24 Mile Road/Van Dyke	323	Congestion
02/17/2022 17:52	25 Mile Road/Van Dyke	509	Congestion
02/17/2022 17:52	Van Dyke Avenue (Target/Kroger Dr./800' south of 26 Mile Rd	1041	Congestion
02/17/2022 17:52	26 Mile Road/Van Dyke	328	Congestion
02/17/2022 17:52	Van Dyke/West Road	327	Congestion
02/17/2022 17:52	27 Mile Road/Van Dyke	1000	Congestion
02/17/2022 17:54	Garfield/22 Mile Road	949	Congestion
02/18/2022 13:02	Gratiot (M-3)/Metropolitan Parkway	172	Incident
02/18/2022 13:04	Metropolitan Parkway WB/Crossover 550' E of Gratiot	648	Incident
02/18/2022 13:04	Metropolitan Parkway EB/Crossover 475' W of Gratiot	647	Incident
02/18/2022 13:04	Groesbeck (M-97)/12 Mile Road	204	Congestion
02/18/2022 13:04	Hall Road (M-59)/Romeo Plank	211	Incident
02/18/2022 13:04	Hall Road EB (M-59)/Crossover West of Romeo Plank	762	Incident
02/18/2022 13:04	Van Dyke/TRW Plant	367	Service Request
02/22/2022 13:38	Martin/Ryan	363	Service Request
02/22/2022 13:39	I-94 Northbound/10 Mile Road	356	Incident
02/22/2022 13:39	Harper/Nine Mile Road	219	Incident
02/23/2022 14:48	Schoenherr NB/Crossover South of Canal Road	861	Incident
02/23/2022 14:49	Canal/Schoenherr	487	Incident
02/23/2022 16:55	Crocker/Metropolitan Parkway	92	Incident
02/24/2022 14:08	Hayes/23 Mile Road	653	Construction
02/24/2022 17:03	Martin/Ryan	363	Service Request
02/24/2022 17:03	Gratiot (M-3)/Masonic	169	Construction
02/24/2022 17:03	Gratiot SB (M-3)/Macomb Mall	161	Construction
02/24/2022 17:22	Garfield/22 Mile Road	949	Service Request
02/28/2022 14:44	15 Mile Road/Lipke	84	Service Request
02/28/2022 17:19	EB Metropolitan Parkway crossover/approx. 750' W of Mound	1045	Incident
02/28/2022 17:20	18 Mile Road/Ryan	381	Incident



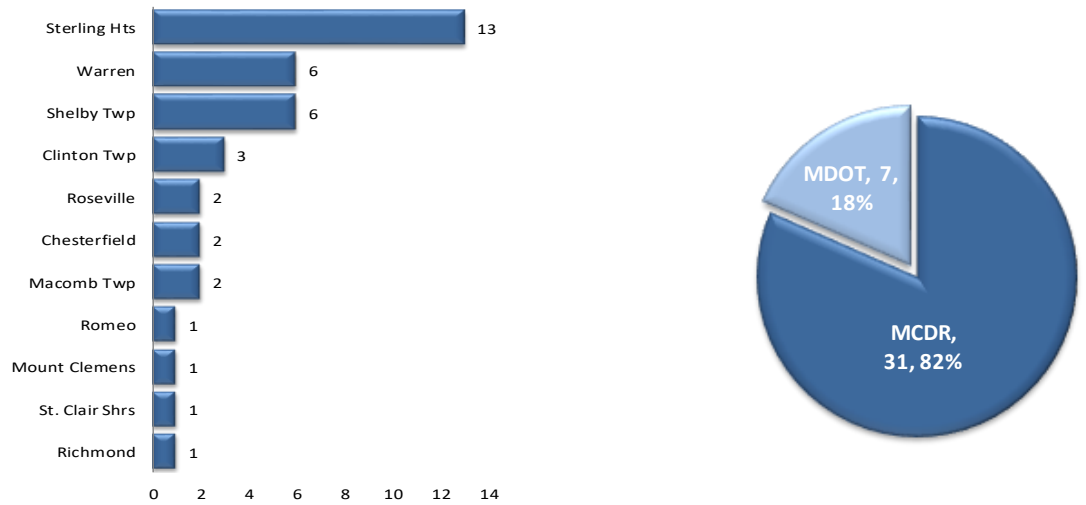


# MCDR WEBSITE HITS



A total of **11,813** hits were accrued at <http://roads.macombgov.org/>.

## SERVICE REQUESTS PER MUNICIPALITY

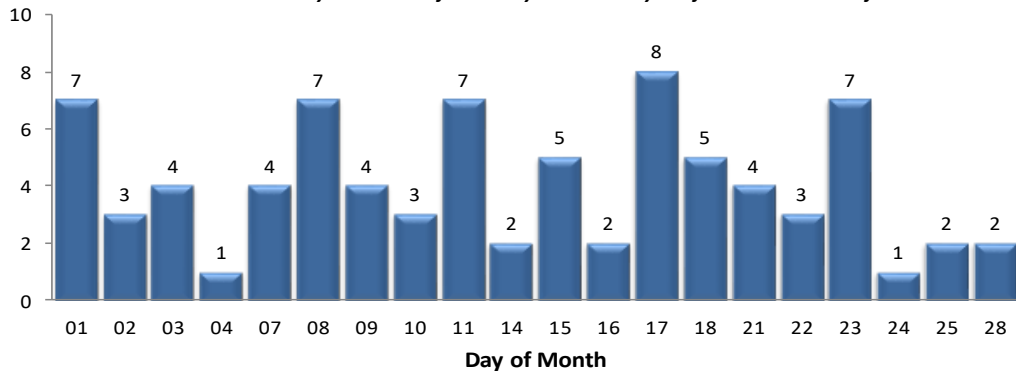


The chart to the left shows how many requests were created per traffic signal location under municipality jurisdiction. The chart to the right shows breakdown of the requests created under MDOT or MCDR / local municipality jurisdiction.

## GOVDELIVERY NOTIFICATIONS

In the month of February, the TOC sent out **81** GovDelivery notifications, and increased the number of recipients from **3,168** to **3,216** 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.](#)

MOTORIST EXPERIENCE

February 2022

