

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



March 2022

AECOM

WSP

**INTEGRAL
BLUE**



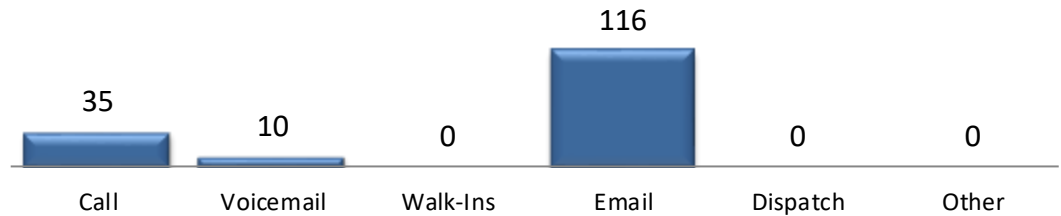
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MONTHLY TOC HIGHLIGHT

The Macomb County Department of Roads Traffic Operations Center monitors and coordinates issues that motorists encounter to the appropriate personnel for repair. On the morning of Thursday, March 31st, Macomb County experienced a wind storm in which gusts reached over 50 miles per hour, according to DTE Energy. In addition to the 65,000 residents in southeast Michigan who were left without power, Macomb County experienced 21 signals going into flash between the hours of 7 a.m. and 9 a.m. The Control Room identified and coordinated with the Department of Road's Electrical group to repair these sites and return them to their proper functioning order. This wind event contributed to the 99 signals in flash which were called in to Electrical during the month of March.

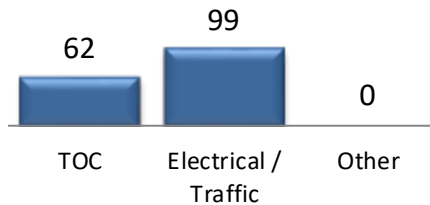
SERVICE REQUESTS

Service Request Source



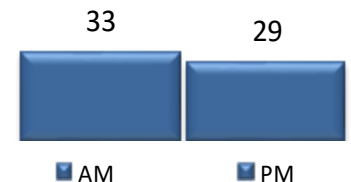
In the month of March, **161** incoming requests regarding traffic signals were received.

Service Request by Dept.

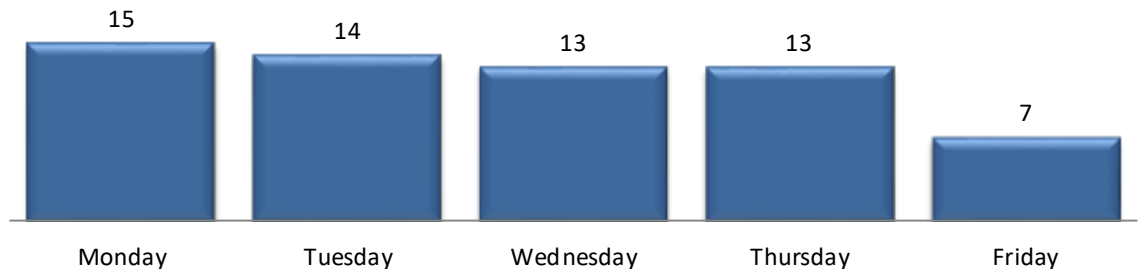


In the month of March, TOC engineers closed **66** service requests within an average of **4** business days.

TOC by Time of Day



Service Request Per Day of Week



TRAFFIC OPERATIONS

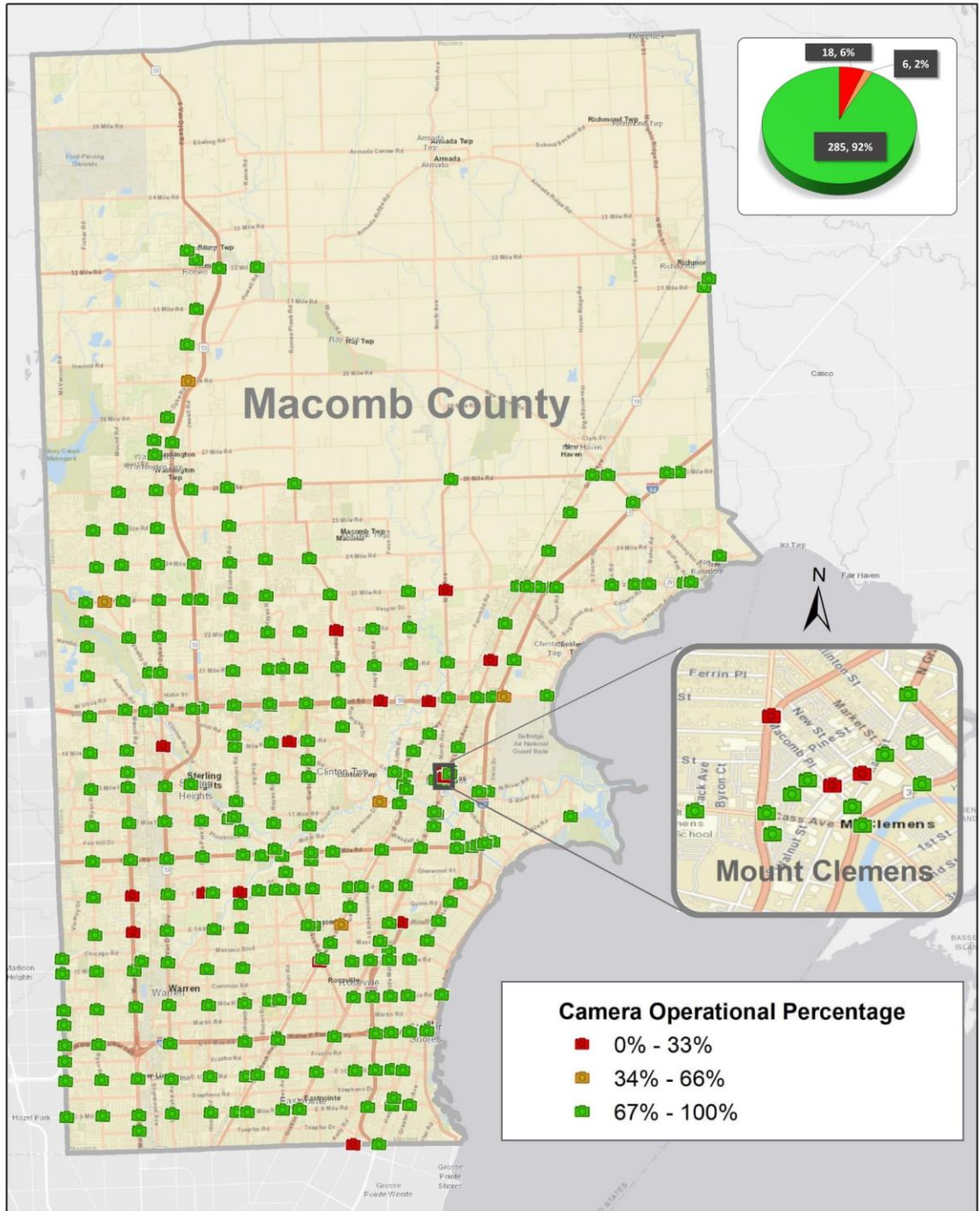
March 2022



CCTV TRAFFIC CAMERA SUMMARY

CAMERA COVERAGE

March 2022



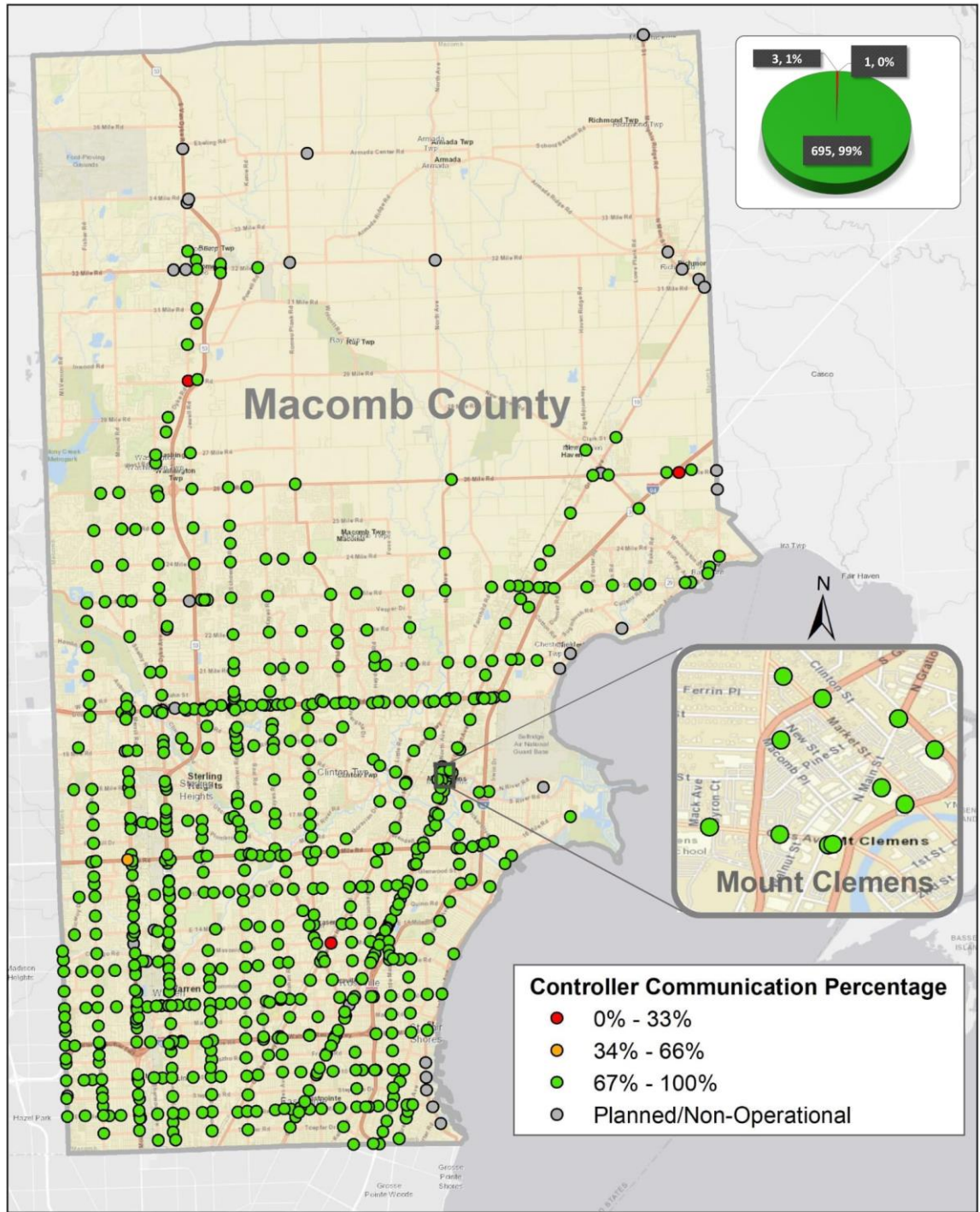
The map above represents the CCTV camera operational percentages for the month of March 2022.



REGIONAL COMMUNICATIONS SUMMARY

ITS MAINTENANCE

March 2022



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



HIGH IMPACT CORRIDOR COMMUNICATIONS AVAILABILITY

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

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

FIELD WORK

93 sites visited by the IT/ITS Maintenance Technicians. 15 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
03/01/2022 10:54	Hayes/23 Mile Road	653	Construction
03/01/2022 11:42	Schoenherr SB/Crossover North of Canal Road	862	Incident
03/01/2022 16:40	Shelby Road/23 Mile Road	351	Incident
03/01/2022 16:40	Shelby Road/22 Mile Road	555	Incident
03/01/2022 16:41	Ryan/23 Mile Road	660	Incident
03/01/2022 16:41	Hamlin/Ryan	963	Incident
03/03/2022 14:30	Hall Road EB/WB (M-59)/M-53 SB Off Ramp	779	Incident
03/03/2022 16:00	Gratiot NB (M-3)/I-94 EB Ramp	215	Construction
03/03/2022 16:01	Gratiot NB (M-3)/Crossover South of Masonic	749	Construction
03/04/2022 8:40	Hayes/23 Mile Road	653	Incident



SIGNAL TIMING CHANGES CONTINUED

MAINTENANCE

March 2022

Time of Signal change	Loc #	Intersection	Reason for signal change
03/07/2022 10:32	Donner/M-29 (23 Mile Road)	999	Incident
03/07/2022 10:32	Donner/I-94 EB Off Ramp/23 Mile Road	662	Incident
03/07/2022 11:26	Temp 4 signal on Mound Road	TMP4	Service Request
03/07/2022 12:06	Common/Dequindre	409	Service Request
03/07/2022 17:49	15 Mile Road/Gratiot	133	Incident
03/08/2022 15:00	14 Mile Road/Van Dyke	147	Incident
03/08/2022 15:55	17 Mile Road/Van Dyke	221	Incident
03/08/2022 15:55	Van Dyke NB (M-53)/Crossover 700' S of 17 Mile Road	675	Incident
03/08/2022 15:55	Hall Road EB (M-59)/Crossover West of Gratiot	810	Incident
03/08/2022 17:51	Groesbeck (M-97)/Hall Road (M-59)	193	Incident
03/08/2022 17:51	Hall Road EB (M-59)/Crossover West of Groesbeck	808	Incident
03/09/2022 9:10	18 Mile Road/Van Dyke	352	Incident
03/09/2022 9:10	Van Dyke NB (M-53)/Crossover 570' S. of 18 Mile Rd	40	Incident
03/09/2022 9:10	Van Dyke SB (M-53)/Crossover 630' N of 18 Mile Road	679	Incident
03/10/2022 15:44	Metropolitan Parkway/Schoenherr	268	Congestion
03/10/2022 15:44	Gratiot (M-3)/12 Mile Road	184	Incident
03/10/2022 15:44	North Avenue/23 Mile Road	292	Service Request
03/10/2022 17:23	Metropolitan Parkway/Schoenherr	268	Congestion
03/11/2022 8:56	Groesbeck (M-97)/12 Mile Road	204	Incident
03/11/2022 10:05	Van Dyke SB (M-53)/Crossover 630' N of 18 Mile Road	679	Incident
03/11/2022 10:05	18 Mile Road/Van Dyke	352	Incident
03/11/2022 10:05	Van Dyke NB (M-53)/Crossover 570' S. of 18 Mile Rd	40	Incident
03/11/2022 16:05	Gates (Prospect)/Van Dyke	825	Service Request
03/14/2022 12:49	Garfield/Hall Road (M-59)	156	Incident
03/14/2022 12:49	Hall Road EB (M-59)/Crossover West of Garfield	760	Incident
03/14/2022 12:50	Metropolitan Parkway EB/Crossover W of Schoenherr	638	Service Request
03/14/2022 12:50	Metropolitan Parkway WB/Crossover E of Schoenherr	639	Service Request
03/14/2022 17:58	22 Mile Road/Van Dyke	430	Congestion
03/15/2022 15:20	North Avenue/21 Mile Road	482	Congestion
03/15/2022 18:03	Van Dyke/North of 23 Mile - Shelby Civic Center Drive	747	Service Request
03/15/2022 18:03	Hall Road WB (M-59)/Crossover East of Elizabeth	807	Construction
03/15/2022 18:03	Hall Road EB (M-59)/Crossover West of Groesbeck	808	Construction
03/15/2022 18:03	Groesbeck (M-97)/Hall Road (M-59)	193	Construction
03/15/2022 18:03	Hall Road WB (M-59)/Crossover East of Groesbeck	809	Construction
03/15/2022 18:03	Hall Road EB (M-59)/Crossover West of Gratiot	810	Construction
03/15/2022 18:04	Gratiot (M-3)/Hall Road (M-59)	162	Construction
03/15/2022 18:04	Hall Road WB (M-59)/Crossover East of Gratiot	811	Construction
03/15/2022 18:04	Hall Road EB (M-59)/Crossover W of Marketplace Blvd	891	Construction
03/15/2022 18:04	Hall Road WB (M-59)/Marketplace Blvd (West of I-94)	890	Construction
03/15/2022 18:04	Hall Road WB (M-59)/I-94 WB Off Ramp	812	Construction
03/16/2022 17:40	Gratiot (M-3)/Metropolitan Parkway	172	Incident
03/16/2022 17:40	Metropolitan Parkway EB/Crossover 475' W of Gratiot	647	Incident
03/17/2022 17:17	North Avenue/21 Mile Road	482	Incident
03/17/2022 17:18	Hall Road (M-59)/Van Dyke	212	Incident
03/17/2022 17:18	Canal/Van Dyke	833	Incident
03/17/2022 17:18	Hall Road WB (M-59)/Crossover East of Van Dyke	777	Incident
03/17/2022 17:18	Van Dyke/West Road	327	Congestion
03/17/2022 17:19	North Avenue/21 Mile Road	482	Incident
03/17/2022 17:35	Green (M-29)/Washington	192	Congestion



SIGNAL TIMING CHANGES

CONTINUED

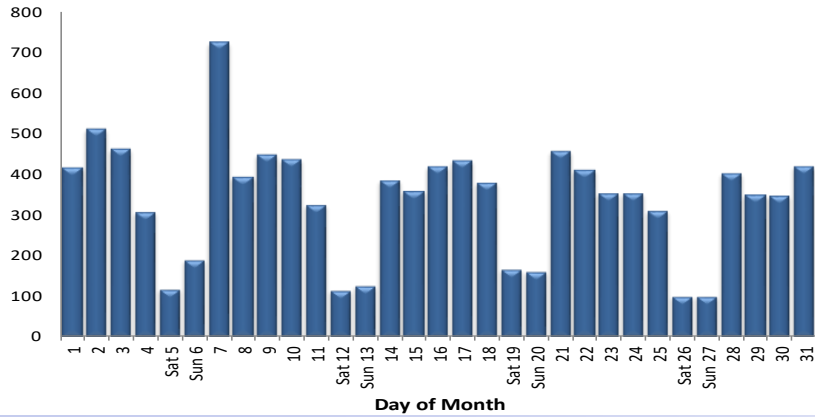
MAINTENANCE

March 2022

Time of Signal change	Loc #	Intersection	Reason for signal change
03/22/2022 10:29	Van Dyke SB (M-53)/Crossover N of 16 1/2 Mile Road	674	Incident
03/22/2022 10:29	Van Dyke SB (M-53)/Crossover N of Metro Parkway	673	Congestion
03/22/2022 10:30	Metropolitan Parkway/Van Dyke	310	Congestion
03/22/2022 10:30	Van Dyke NB (M-53)/Crossover S of Metro Parkway	670	Congestion
03/22/2022 10:30	Metropolitan Parkway WB/Crossover E of Van Dyke	672	Congestion
03/22/2022 10:30	Metropolitan Parkway EB/Crossover W of Van Dyke	671	Congestion
03/22/2022 10:30	EB Metropolitan Parkway crossover W of Mound	1045	Congestion
03/22/2022 10:30	Metropolitan Parkway/Mound	277	Congestion
03/22/2022 10:30	WB Metropolitan Parkway crossover E of Mound	1044	Congestion
03/22/2022 17:52	Dodge Park/17 Mile Road	483	Congestion
03/22/2022 17:53	Dodge Park/Sixteen and 1/2 Mile	586	Congestion
03/22/2022 17:53	Dodge Park/Plumbrook	706	Congestion
03/24/2022 14:52	Gratiot (M-3)/Hall Road (M-59)	162	Incident
03/24/2022 15:49	Romeo Plank/21 Mile Road	466	Incident
03/24/2022 15:49	Van Dyke SB (M-53)/Crossover N of Metro Parkway	673	Incident
03/25/2022 14:26	Hall Road (M-59)/Mound	209	Incident
03/25/2022 14:26	Mound NB/Crossover South of Hall Road (M-59)	786	Incident
03/25/2022 14:26	Mound/17 Mile Road	275	Incident
03/25/2022 18:41	Hall Road EB (M-59)/Crossover West of Schoenherr	766	Incident
03/25/2022 18:41	Hall Road (M-59)/Schoenherr	207	Incident
03/28/2022 17:47	Delco/Hall Road (M-59)	525	Incident
03/29/2022 9:14	Gratiot (M-3)/Masonic	169	Congestion
03/29/2022 9:14	Gratiot SB (M-3)/Macomb Mall	161	Congestion
03/29/2022 9:14	Gratiot SB (M-3)/Crossover North of Voiland	752	Congestion
03/29/2022 9:14	14 Mile Road/Gratiot	142	Congestion
03/29/2022 9:14	Gratiot SB (M-3)/Crossover 600' N of 14 Mile Road	531	Congestion
03/29/2022 9:14	15 Mile Road/Harper/Klix	210	Congestion
03/29/2022 9:14	Gratiot NB (M-3)/I-94 EB Ramp	215	Congestion
03/29/2022 17:34	EB Metropolitan Parkway crossover W of Mound	1045	Incident
03/29/2022 17:34	Schoenherr/26 Mile Road	947	Service Request
03/30/2022 11:05	Metropolitan Parkway EB/Crossover W of Utica Road	640	Incident
03/30/2022 12:09	Crocker/Metropolitan Parkway	92	Service Request
03/30/2022 17:41	Hayes/22 Mile Road	652	Incident
03/30/2022 17:41	Schoenherr/22 Mile Road	654	Incident
03/30/2022 17:41	Hayes/21 Mile Road	11	Incident
03/30/2022 17:41	Van Dyke NB (M-53)/Crossover 610' S of 15 Mile Road	666	Incident
03/31/2022 7:44	I-94 Ramp D/Metropolitan Parkway WB	596	Incident
03/31/2022 7:44	Temp 6 signal on Mound Road	TMP6	Incident
03/31/2022 7:44	Mound/19 Mile Road	594	Incident
03/31/2022 11:18	Garfield/19 Mile Road	524	Incident
03/31/2022 12:17	Cass/Clinton River Road	870	Construction

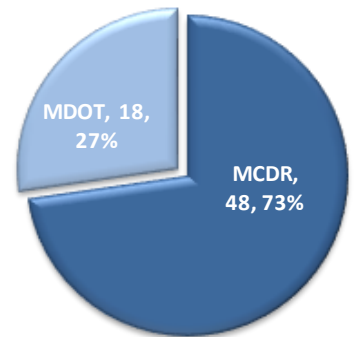
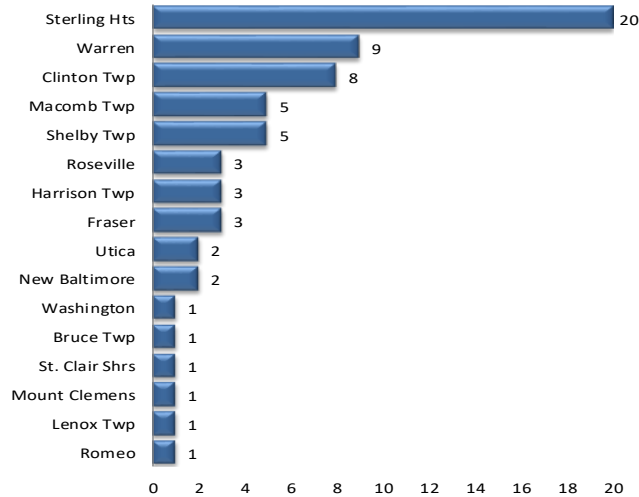


MCDR WEBSITE HITS



A total of **10,446** hits were accrued at <http://roads.macombgov.org/>.

SERVICE REQUESTS PER MUNICIPALITY

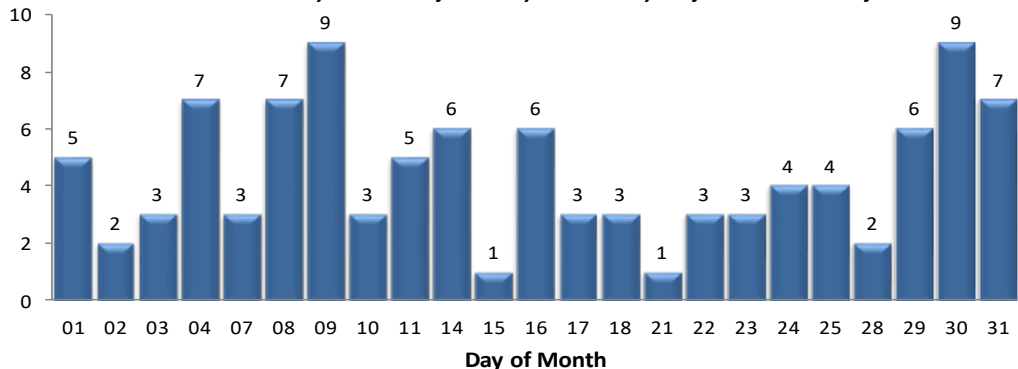


The chart to the left shows how many requests were created per traffic signal location under municipality jurisdiction. The chart to the right shows breakdown of the requests created under MDOT or MCDR / local municipality jurisdiction.

GOVDELIVERY NOTIFICATIONS

In the month of March, the TOC sent out **102** GovDelivery notifications, and increased the number of recipients from **3,216** to **3,292** 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

March 2022



AECOM