

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 2023

AECOM

WSP

**INTEGRAL
BLUE**



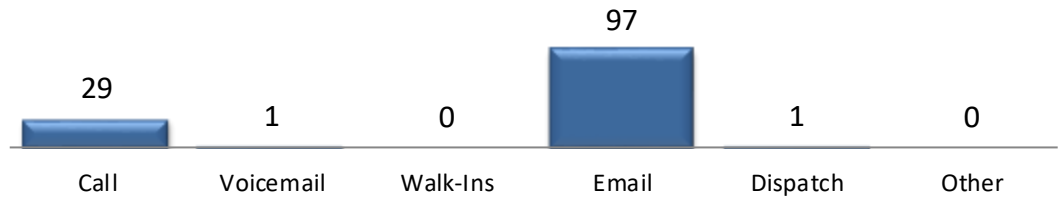
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MONTHLY TOC HIGHLIGHT

On March 8th, a group of six Romeo High School students visited the Macomb County Department of Roads (MCDR) Traffic Operations Center (TOC) for a job shadowing event as part of the Ford Next Generation Learning program. Students shadowed staff in primary functions that comprise the TOC including control room operations, IT/ITS maintenance, and traffic operations engineering, receiving hands-on demonstrations and exposure to real-time traffic operations. Following the event, several of the students expressed interest in pursuing careers in Civil Engineering and Computer Science related fields.

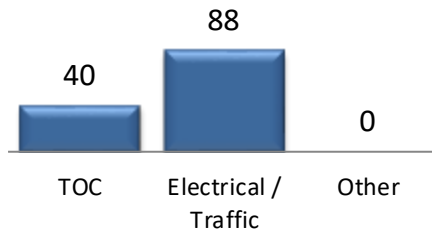
OPENED SERVICE REQUESTS

Service Request Source



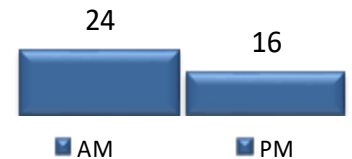
In the month of March, **128** incoming requests regarding traffic signals were received.

Service Request by Dept.

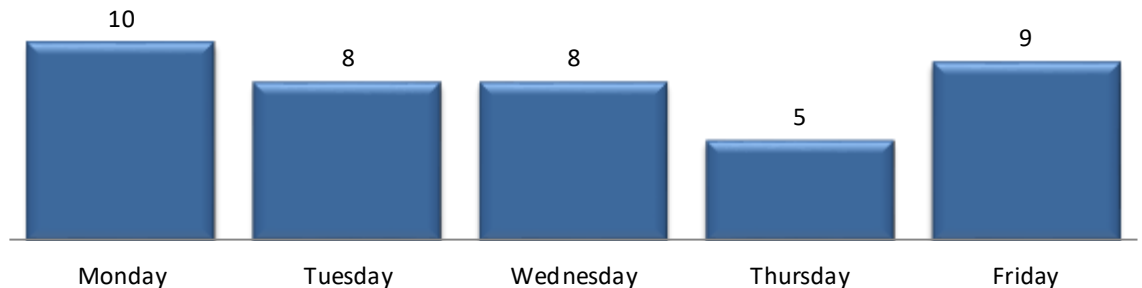


In the month of March, TOC engineers closed **39** service requests within an average of **6** business days.

TOC Service Requests Opened by Time of Day



TOC Service Request Opened Per Day of Week



TRAFFIC OPERATIONS

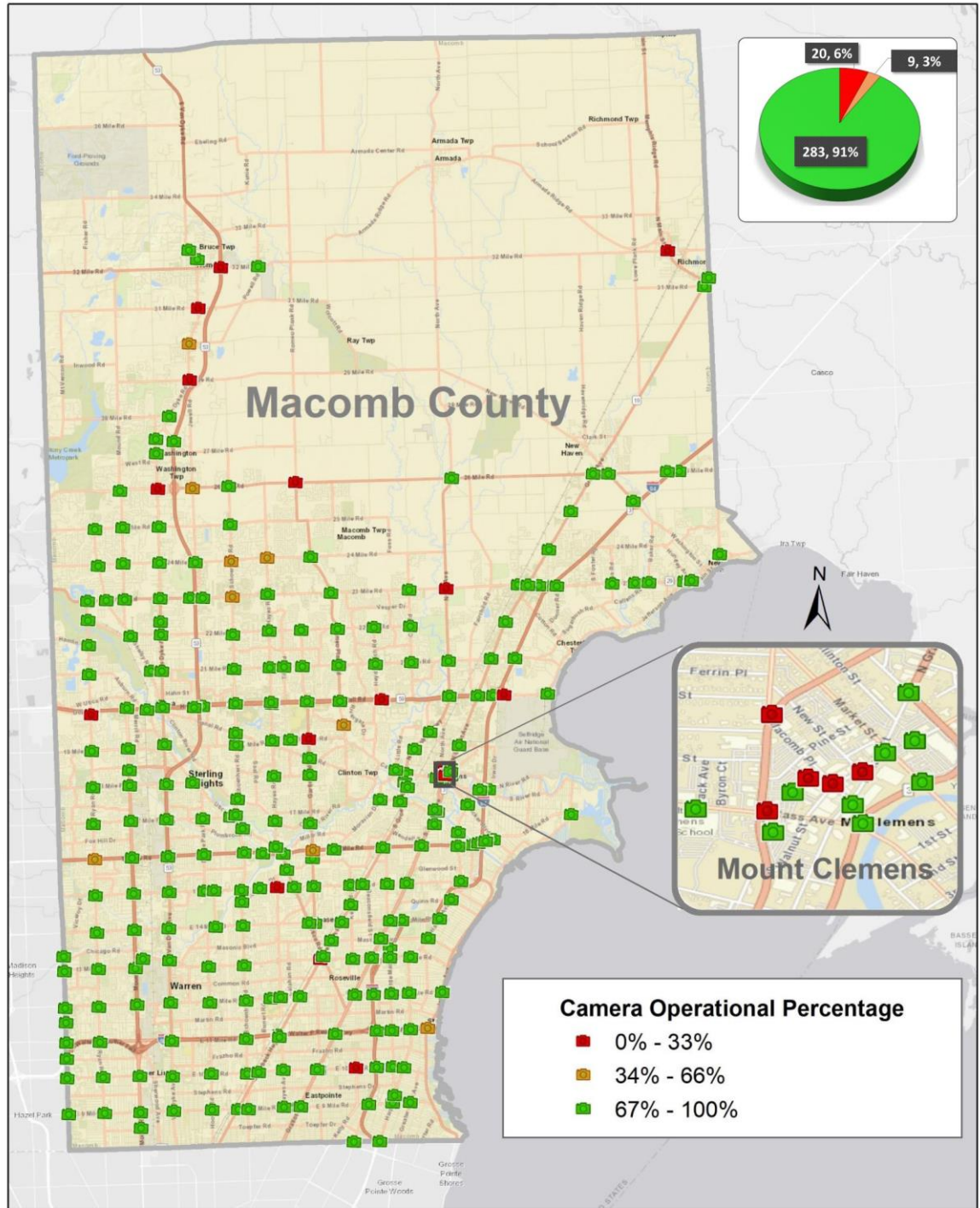
March 2023



CCTV TRAFFIC CAMERA SUMMARY

CAMERA COVERAGE

March 2023



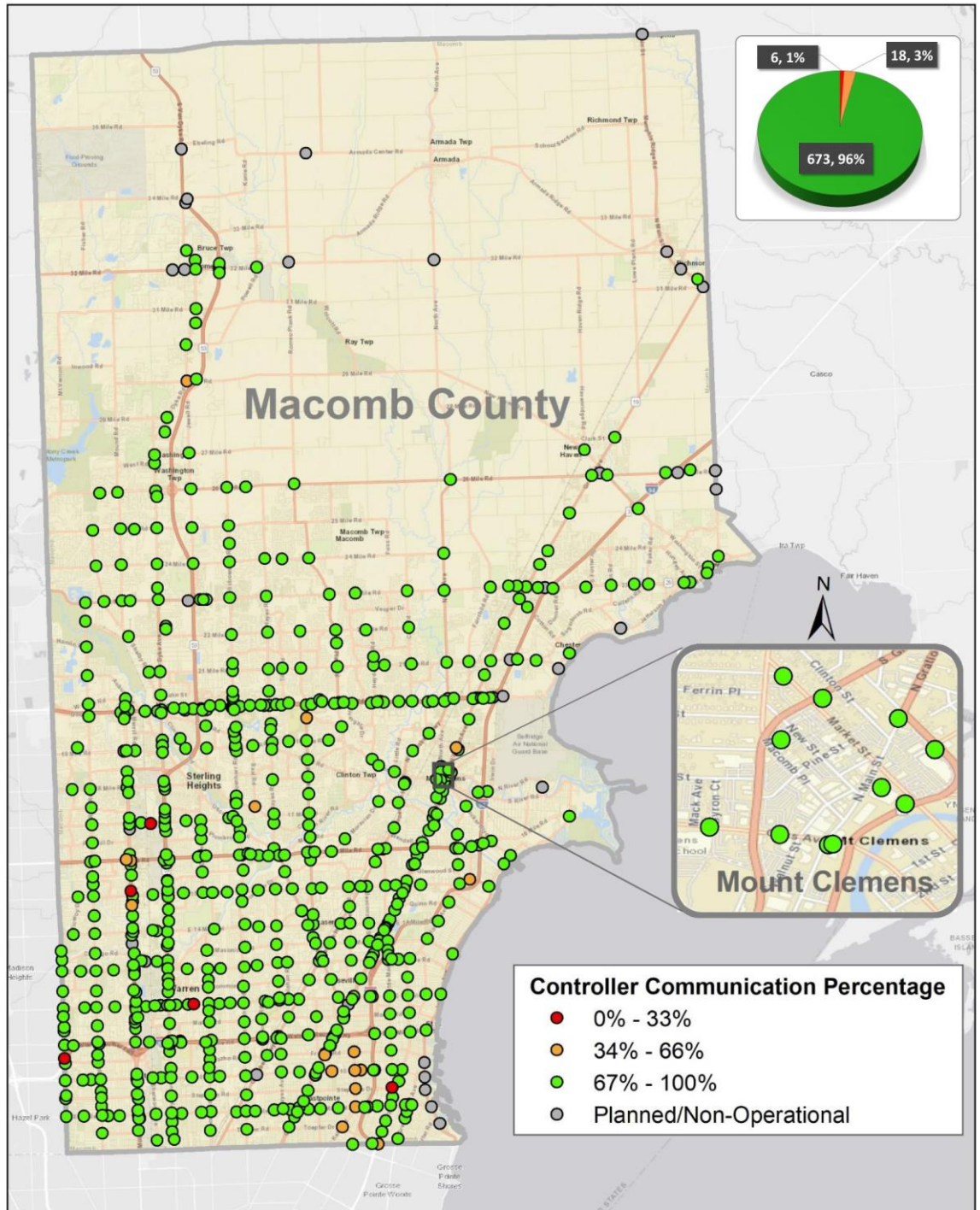
The map above represents the CCTV camera operational percentages for the month of March 2023.



REGIONAL COMMUNICATIONS SUMMARY

ITS MAINTENANCE

March 2023



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



HIGH IMPACT CORRIDOR COMMUNICATIONS AVAILABILITY

Corridor	Current Month	Previous Month	Change
9 Mile	97%	96%	1%
14 Mile	99%	96%	3%
15 Mile	99%	99%	0%
Metro Parkway	99%	98%	1%
Hall Rd(M-59)	99%	99%	0%
Dequindre	98%	99%	-1%
Ryan	98%	97%	1%
Mound	96%	99%	-3%
Hoover	100%	99%	1%
Schoenherr	99%	99%	0%
Hayes	99%	99%	0%
Gratiot(M-3)	97%	96%	1%
Harper	95%	95%	0%

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

FIELD WORK

116 sites visited by the IT/ITS Maintenance Technicians. 4 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
03/01/2023 9:32	18 Mile Road/Van Dyke	352	Incident (Crash)
03/01/2023 9:33	Van Dyke SB (M-53)/Crossover 630' N of 18 Mile Road	679	Incident (Congestion)
03/01/2023 9:33	Van Dyke NB (M-53)/Crossover 570' S. of 18 Mile Rd	40	Incident (Congestion)
03/06/2023 15:38	Nine Mile Road/Wellington	288	Service Request
03/07/2023 7:55	Gratiot (M-19)/New Haven Road	174	Congestion
03/07/2023 8:10	Gratiot (M-19)/27 Mile Road	893	Congestion
03/07/2023 16:07	Jefferson/Masonic	240	Service Request
03/08/2023 10:47	14 Mile Road/Schoenherr	339	Incident (Crash)
03/10/2023 11:00	Lakeside Boulevard/Schoenherr NB	904	Service Request
03/10/2023 13:41	Schoenherr/26 Mile Road	947	Service Request



SIGNAL TIMING CHANGES CONTINUED

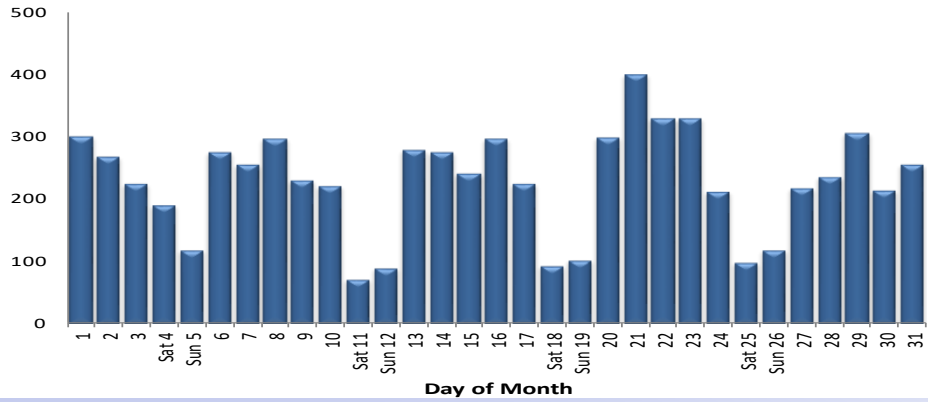
Time of Signal change	Location	Intersection	Reason for signal change
03/14/2023 10:46	Hayes/17 Mile Road	543	Service Request
03/14/2023 11:22	Cass/Clinton River Road	870	Service Request
03/14/2023 16:44	Schoenherr/26 Mile Road	947	Service Request
03/15/2023 9:08	Hall Road (M-59)/Schoenherr	207	Incident (Crash)
03/16/2023 7:37	I-94 EB Off Ramp/M-19/New Haven	886	Congestion
03/17/2023 15:15	Van Dyke Avenue/N. Central Park	1077	Service Request
03/20/2023 13:30	Ryan/10 Mile Road	300	Construction
03/20/2023 13:30	Nine Mile Road/Ryan	283	Construction
03/20/2023 14:07	Bart/Ryan	53	Construction
03/20/2023 16:08	Jefferson/Masonic	240	Service Request
03/20/2023 17:45	Jefferson/21 Mile road	964	Service Request
03/21/2023 10:55	Toepfer/Van Dyke	319	Service Request
03/21/2023 10:57	Hupp/Van Dyke	238	Service Request
03/22/2023 15:41	Groesbeck (M-97)/Metropolitan Parkway	198	Incident (Crash)
03/23/2023 14:55	Hoover/13 Mile Road	234	Incident (Crash)
03/24/2023 11:05	Van Dyke/West Road	327	Service Request
03/24/2023 13:56	15 Mile Road/Carlton Jr. High School	545	Incident (Congestion)
03/27/2023 17:10	Donner/M-29 (23 Mile Road)	999	Construction
03/27/2023 17:10	Donner/I-94 EB Off Ramp/23 Mile Road	662	Construction
03/29/2023 12:15	Cotton/Jefferson	821	Service Request
03/29/2023 17:26	Van Dyke Avenue/N. Central Park	1077	Service Request
03/30/2023 9:41	Garfield/Terra Bella	614	Service Request
03/31/2023 13:16	14 Mile Road/Van Dyke	147	Incident (Crash)
03/31/2023 13:56	Canal/Garfield	500	Incident (Crash)

MAINTENANCE

March 2023

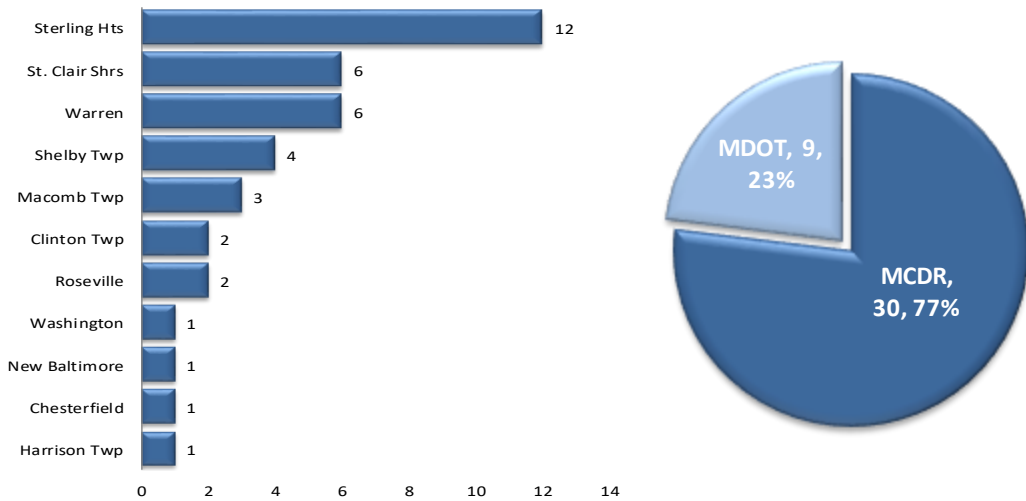


MCDR WEBSITE HITS



A total of **7,036** hits were accrued at <http://roads.macombgov.org/>.

CLOSED SERVICE REQUESTS PER MUNICIPALITY

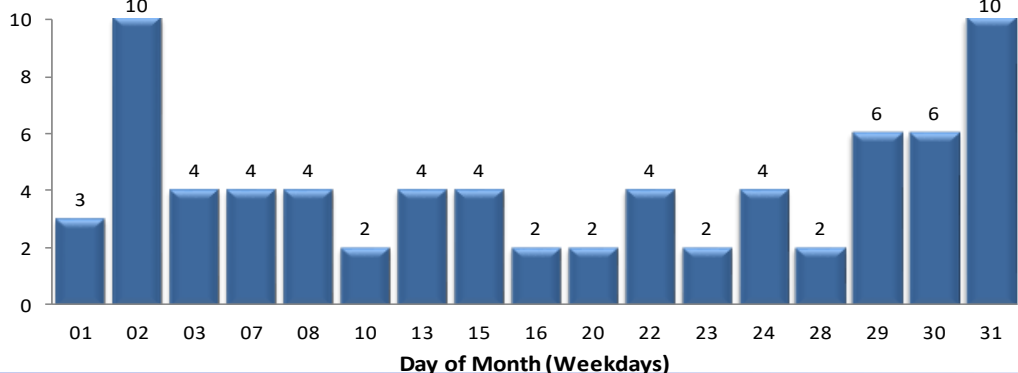


The chart to the left shows how many requests were closed per traffic signal location within each municipality. The chart to the right shows breakdown of the requests closed under MDOT or MCDR / local municipality jurisdiction.

GOVDELIVERY NOTIFICATIONS

In the month of March, the TOC sent out **73** GovDelivery notifications. The number of recipients receiving GovDelivery notifications increased from **4,493** to **4,589** 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

March 2023

