

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



August 2022

AECOM

WSP

**INTEGRAL
BLUE**



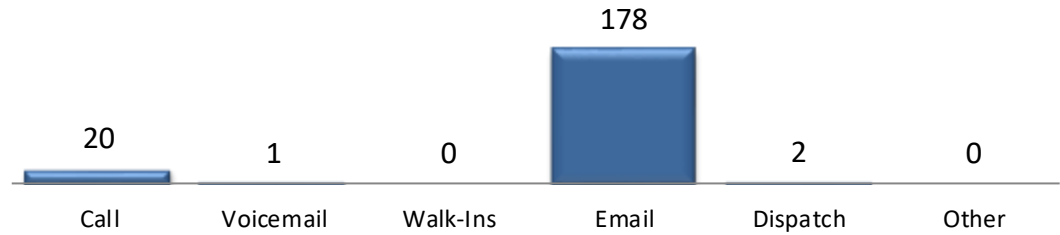
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MONTHLY TOC HIGHLIGHT

In August, the Macomb County Department of Roads' Traffic Operations Center (TOC) started expanding and enhancing the control room's service offered to the citizens of Macomb County. The TOC's control room technicians are being trained by the TOC engineers to alleviate congestion on the County roadways by deploying predefined signal timing changes in real-time. The staff also provide road closure notifications to the cloud sourced platforms such as Google and Waze maps so they may be incorporated to route citizens efficiently and safely.

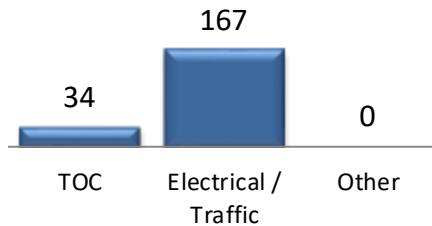
OPENED SERVICE REQUESTS

Service Request Source



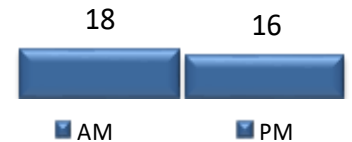
In the month of August, 201 incoming requests regarding traffic signals were received.

Service Request by Dept.

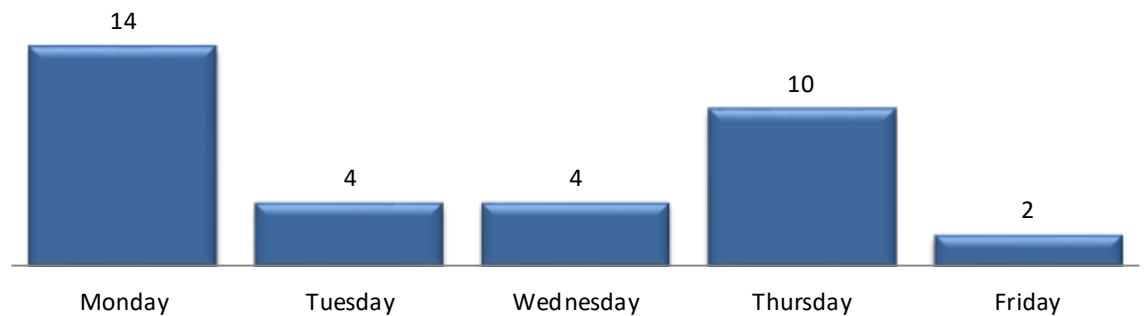


In the month of August, TOC engineers closed 33 service requests within an average of 5 business days.

Service Requests Opened by Time of Day



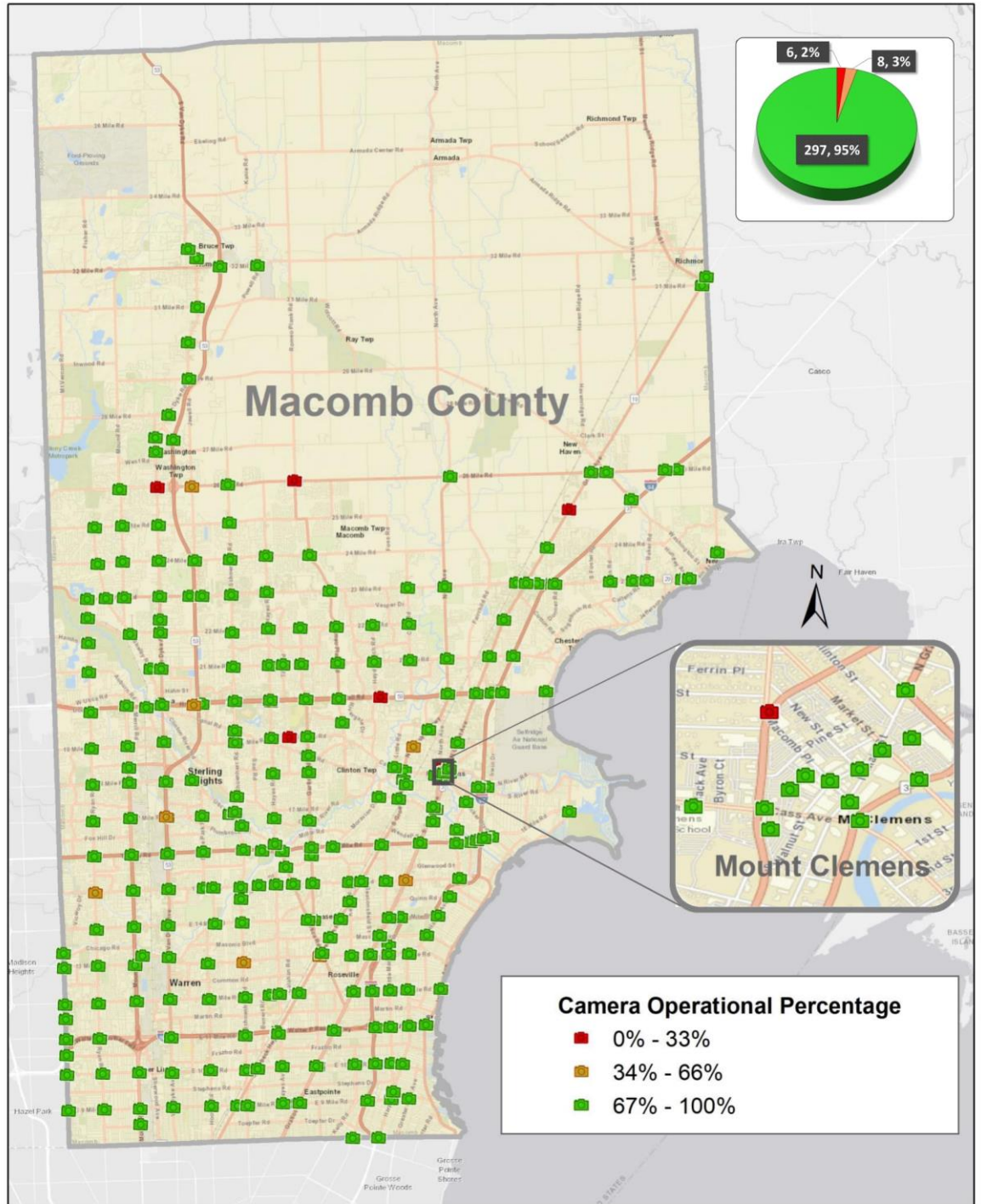
Service Request Opened Per Day of Week



CCTV TRAFFIC CAMERA SUMMARY

CAMERA COVERAGE

August 2022



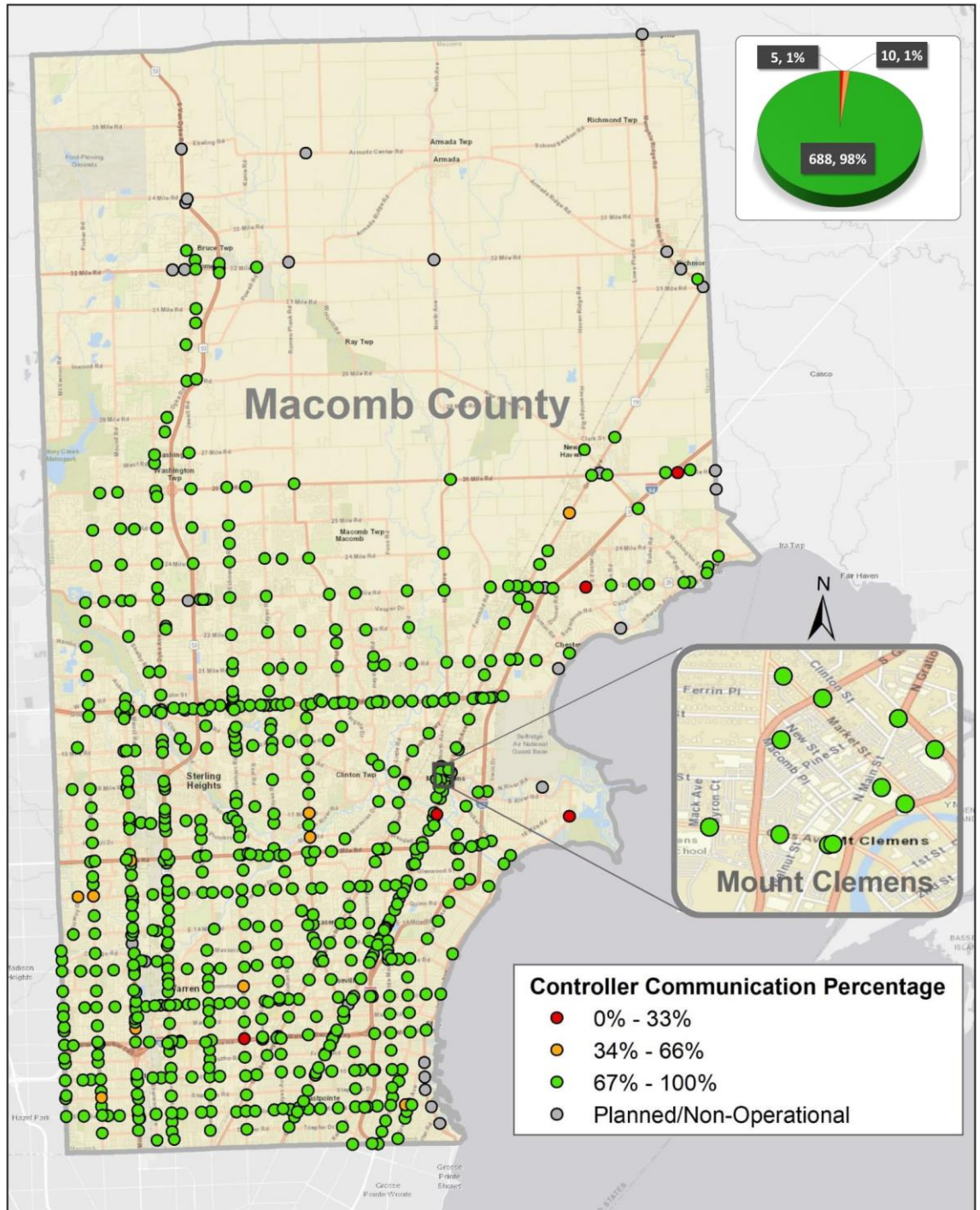
The map above represents the CCTV camera operational percentages for the month of August 2022.



REGIONAL COMMUNICATIONS SUMMARY

ITS MAINTENANCE

August 2022



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



HIGH IMPACT CORRIDOR COMMUNICATIONS AVAILABILITY

Corridor	Current Month	Previous Month	Change
9 Mile	96%	95%	1%
14 Mile	98%	99%	-1%
15 Mile	97%	99%	-2%
Metro Parkway	99%	99%	0%
Hall Rd(M-59)	99%	99%	0%
Dequindre	99%	97%	2%
Ryan	93%	95%	-2%
Mound	99%	99%	0%
Hoover	98%	96%	2%
Schoenherr	97%	97%	0%
Hayes	99%	99%	0%
Gratiot(M-3)	98%	99%	-1%
Harper	99%	99%	0%

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

FIELD WORK

56 sites visited by the IT/ITS Maintenance Technicians. 11 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
08/01/2022 8:37	Metropolitan Parkway WB/Crossover 295' E of Harper	650	Incident
08/01/2022 8:37	Metropolitan Parkway EB/Crossover 300' W of Harper	649	Incident
08/01/2022 8:37	Harper/Metropolitan Parkway	218	Incident
08/01/2022 15:25	15 Mile Road/Mound	42	Incident
08/01/2022 17:38	I-94 WB Off Ramp/North River Road	894	Congestion
08/01/2022 17:38	Crocker/Metropolitan Parkway	92	Congestion
08/01/2022 17:38	I-94 EB Off Ramp/North River Road	609	Congestion
08/02/2022 14:26	Harper/Nine Mile Road	219	Construction
08/02/2022 14:26	Harper/Little Mack	214	Construction
08/02/2022 14:26	Harper/10 Mile Road	223	Construction



SIGNAL TIMING CHANGES CONTINUED

MAINTENANCE

August 2022

Time of Signal change	Location	Intersection	Reason for signal change
08/03/2022 13:12	Ryan/23 Mile Road	660	Construction
08/03/2022 13:51	North Avenue/21 Mile Road	482	Incident
08/03/2022 13:51	Gratiot (M-3)/Hall Road (M-59)	162	Incident
08/03/2022 13:51	Hall Road EB (M-59)/Crossover West of Gratiot	810	Incident
08/03/2022 13:51	Hall Road WB (M-59)/Crossover East of Gratiot	811	Incident
08/03/2022 15:01	Ryan/17 Mile Road	447	Service Request
08/05/2022 18:12	Dequindre/I-696 Service Drive (Westbound/North Side)	438	Incident
08/05/2022 18:12	Dequindre/I-696 S Service Drive	403	Incident
08/05/2022 18:12	Dequindre/11 Mile	96	Incident
08/05/2022 18:12	I-94 WB Off Ramp/21 Mile Road	345	Congestion
08/05/2022 18:12	15 Mile Road/Schoenherr	396	Incident
08/05/2022 18:12	Gratiot NB (M-3)/Walnut	427	Incident
08/08/2022 8:57	Cass/Groesbeck (M-97)	72	Incident
08/08/2022 9:26	Hall Road WB (M-59)/X-Over E. of Windwood @ Meijer Drive	995	Incident
08/08/2022 17:59	Cass/Heydenreich	734	Construction
08/08/2022 17:59	Romeo Plank/24 Mile Road	719	Incident
08/09/2022 13:30	Gratiot (M-3)/13 Mile Road	181	Construction
08/09/2022 13:39	Common/Gratiot	87	Construction
08/10/2022 8:24	Broadway (M-3/NB Gratiot)/Market	65	Incident
08/10/2022 17:29	Ryan/22 Mile Road	709	Service Request
08/10/2022 17:29	Hamlin/Ryan	963	Service Request
08/11/2022 9:09	23 Mile Road/Van Dyke	324	Incident
08/12/2022 12:00	Hayes/19 Mile Road	519	Construction
08/12/2022 12:47	Hayes/Shoreline	626	Construction
08/12/2022 12:48	Hayes/Lakeside Village Apartments	849	Construction
08/18/2022 15:42	Ryan/17 Mile Road	447	Incident
08/12/2022 15:42	Donner/I-94 EB Off Ramp/23 Mile Road	662	Construction
08/15/2022 14:10	North Avenue/21 Mile Road	482	Construction
08/15/2022 17:38	14 Mile Road/Mound	35	Congestion
08/16/2022 12:10	Hayes/21 Mile Road	11	Traffic Study
08/16/2022 12:10	North Avenue/23 Mile Road	292	Congestion
08/16/2022 16:42	Hayes/24 Mile Road	511	Congestion
08/16/2022 17:04	I-94 SB Off Ramp/12 Mile Road	362	Incident
08/17/2022 8:04	I-94 Northbound/12 Mile Road	358	Incident
08/17/2022 8:04	I-94 WB Off Ramp/Little Mack	713	Incident
08/17/2022 8:04	Groesbeck (M-97)/12 Mile Road	204	Incident
08/17/2022 8:04	Groesbeck (M-97)/Hall Road (M-59)	193	Construction
08/17/2022 11:12	Hall Road EB (M-59)/Crossover West of Groesbeck	808	Construction
08/17/2022 11:12	Hall Road WB (M-59)/Crossover East of Groesbeck	809	Construction
08/17/2022 11:12	Heydenreich/21 Mile Road	276	Congestion
08/18/2022 15:43	Romeo Plank/23 Mile Road	517	Construction
08/18/2022 17:10	14 Mile Road/Schoenherr	339	Incident
08/18/2022 17:43	Hall Road (M-59)/Elizabeth	632	Construction
08/18/2022 17:43	Hall Road EB (M-59)/Crossover West of Gratiot	810	Construction
08/18/2022 17:43	Hall Road WB (M-59)/Crossover East of Gratiot	811	Construction
08/18/2022 17:43	Hall Road EB (M-59)/Crossover W. of Marketplace	891	Construction



SIGNAL TIMING CHANGES CONTINUED

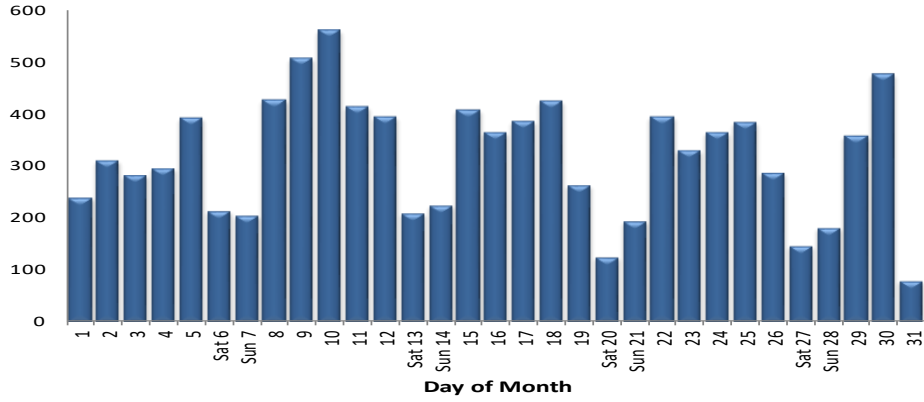
MAINTENANCE

August 2022

Time of Signal change	Location	Intersection	Reason for signal change
08/18/2022 17:45	Gratiot (M-3)/Hall Road (M-59)	162	Construction
08/19/2022 16:47	Hall Road (M-59)/Romeo Plank	211	Congestion
08/19/2022 17:18	Hall Road EB (M-59)/Crossover West of Romeo Plank	762	Congestion
08/22/2022 10:49	14 Mile Road/Schoenherr	339	Congestion
08/23/2022 7:46	I-94 EB Off Ramp/M-19/New Haven	886	Congestion
08/23/2022 7:47	18 Mile Road/Hayes	625	Service Request
08/24/2022 10:56	14 Mile Road/Schoenherr	339	Congestion
08/24/2022 12:42	Hall Road (M-59)/Hayes	467	Congestion
08/24/2022 12:42	Hall Road EB (M-59)/Crossover West of Hayes	756	Congestion
08/24/2022 12:42	Hall Road WB (M-59)/Crossover East of Hayes	757	Congestion
08/24/2022 16:12	Harper/Metropolitan Parkway	218	Incident
08/24/2022 16:11	Moravian/Utica Road	270	Construction
08/24/2022 16:20	Hall Road WB (M-59)/Northpoint Boulevard	765	Incident
08/25/2022 17:00	Hall Road WB (M-59)/Crossover East of Romeo Plank	763	Construction
08/25/2022 17:00	Auburn/Ryan	49	Construction
08/25/2022 17:00	Ryan/22 Mile Road	709	Construction
08/25/2022 17:44	Heydenreich/21 Mile Road	276	Congestion
08/26/2022 13:51	30 Mile Road/Van Dyke	839	Incident
08/26/2022 17:38	Card/22 Mile Road	911	Construction
08/29/2022 8:17	Metropolitan Parkway/Schoenherr	268	Congestion
08/29/2022 8:17	Metropolitan Parkway EB/Crossover 340' W of Schoenherr	638	Congestion
08/29/2022 8:17	Metropolitan Parkway WB/Crossover 340' E of Schoenherr	639	Congestion
08/29/2022 15:35	Metropolitan Parkway/Schoenherr	268	Congestion
08/29/2022 15:52	Engleman/Hoover	297	Incident
08/29/2022 16:04	Hall Road (M-59)/Romeo Plank	211	Construction
08/29/2022 16:05	Hall Road EB (M-59)/Crossover West of Romeo Plank	762	Construction
08/29/2022 16:05	Hall Road WB (M-59)/Crossover East of Romeo Plank	763	Construction
08/29/2022 16:05	Card/22 Mile Road	911	Construction
08/29/2022 16:25	Dequindre/Whitcomb	26	Incident
08/29/2022 17:03	Cass/Groesbeck (M-97)	72	Congestion
08/30/2022 15:39	Garfield/22 Mile Road	949	Congestion
08/31/2022 7:48	Card/Hall Road WB (M-59)	896	Congestion
08/31/2022 10:22	Metropolitan Parkway WB/Crossover 295' E of Harper	650	Incident

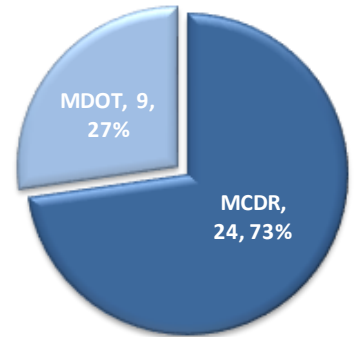
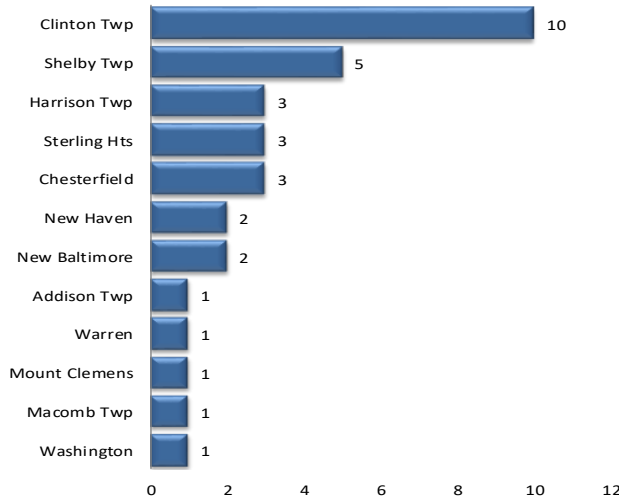


MCDR WEBSITE HITS



A total of **9,815** hits were accrued at <http://roads.macombgov.org/>.

CLOSED SERVICE REQUESTS PER MUNICIPALITY

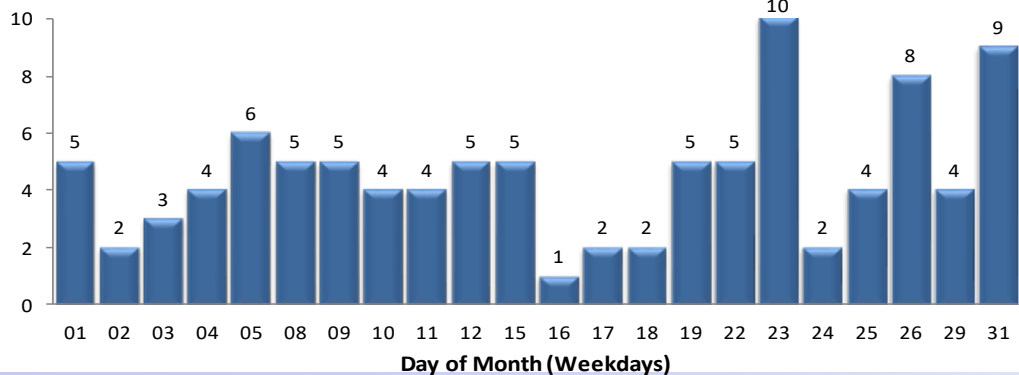


The chart to the left shows how many requests were closed per traffic signal location under municipality jurisdiction. The chart to the right shows breakdown of the requests closed under MDOT or MCDR / local municipality jurisdiction.

GOVDELIVERY NOTIFICATIONS

In the month of August, the TOC sent out **100** GovDelivery notifications. The number of recipients receiving GovDelivery notifications increased from **3,525** to **3,676** 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

August 2022

