

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



September 2022



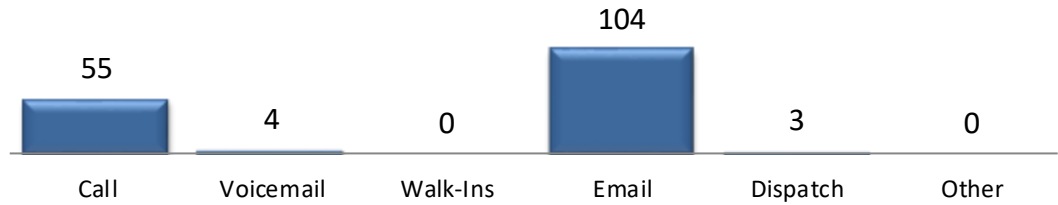
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MONTHLY TOC HIGHLIGHT

With the onset of the Fall season, Macomb County experienced multiple thunderstorms resulting in power outages and Intelligent Transportation System (ITS) device malfunctions. The Traffic Operations Center's (TOC) teams, including the control room, ITS maintenance, and engineering, worked meticulously to restore traffic signal systems through streamlined coordination. In addition, the TOC engineers displayed excellence in mitigating numerous construction-related congestion, thereby improving the efficiency and safety of traffic throughout the county.

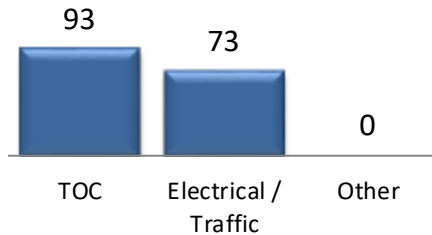
OPENED SERVICE REQUESTS

Service Request Source



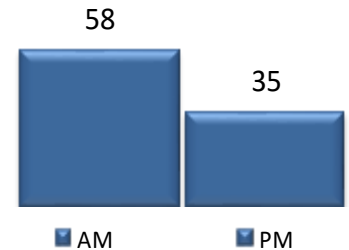
In the month of September, **166** incoming requests regarding traffic signals were received.

Service Request by Dept.

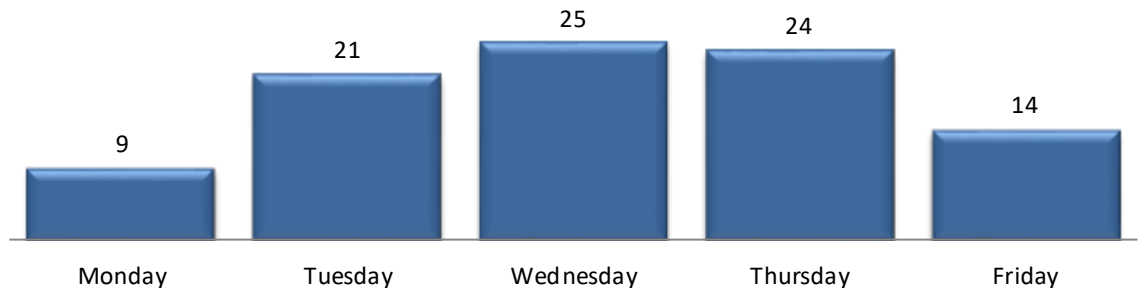


In the month of September, TOC engineers closed **90** service requests within an average of **6** business days.

TOC Service Requests Opened by Time of Day



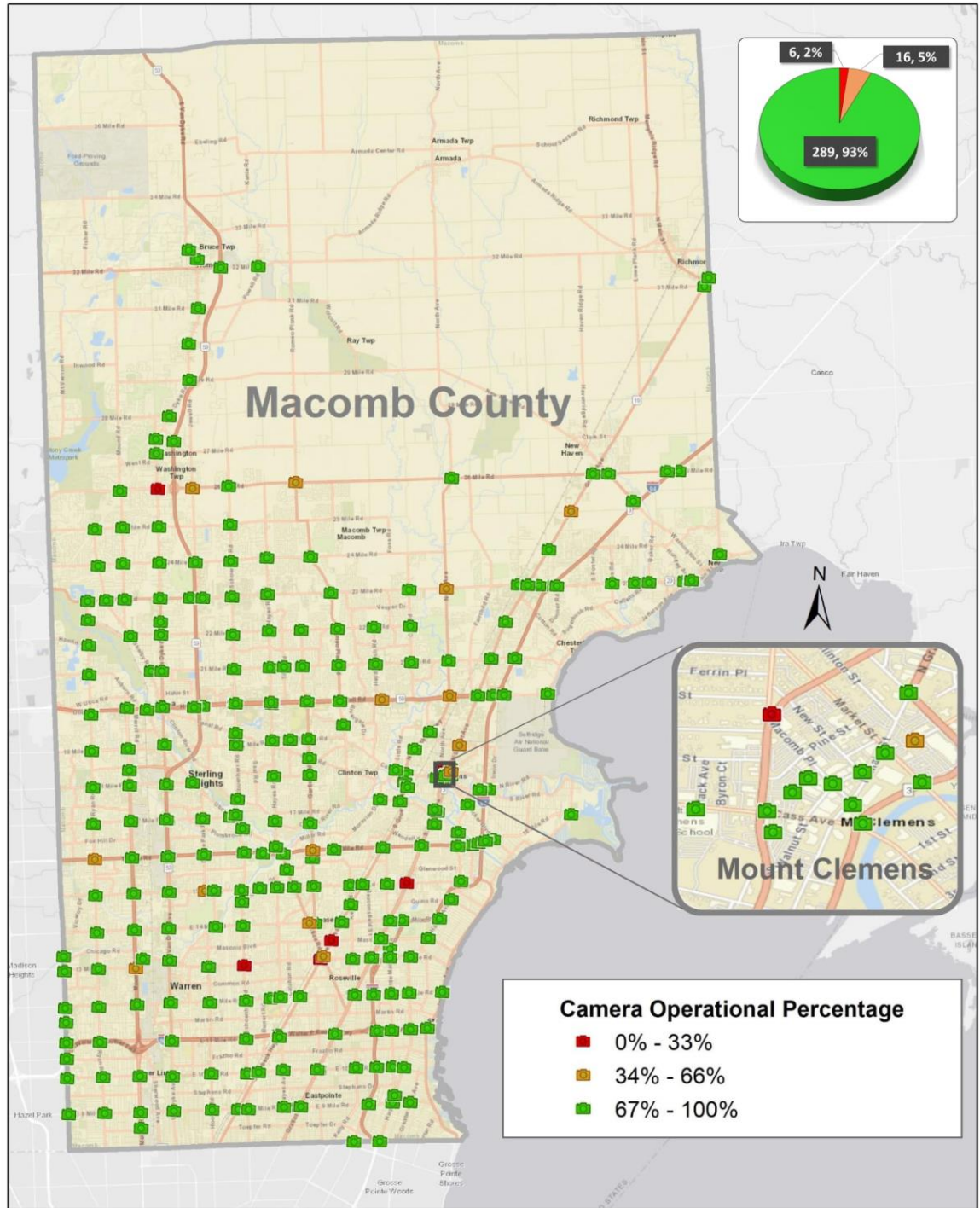
TOC Service Request Opened Per Day of Week



CCTV TRAFFIC CAMERA SUMMARY

CAMERA COVERAGE

September 2022



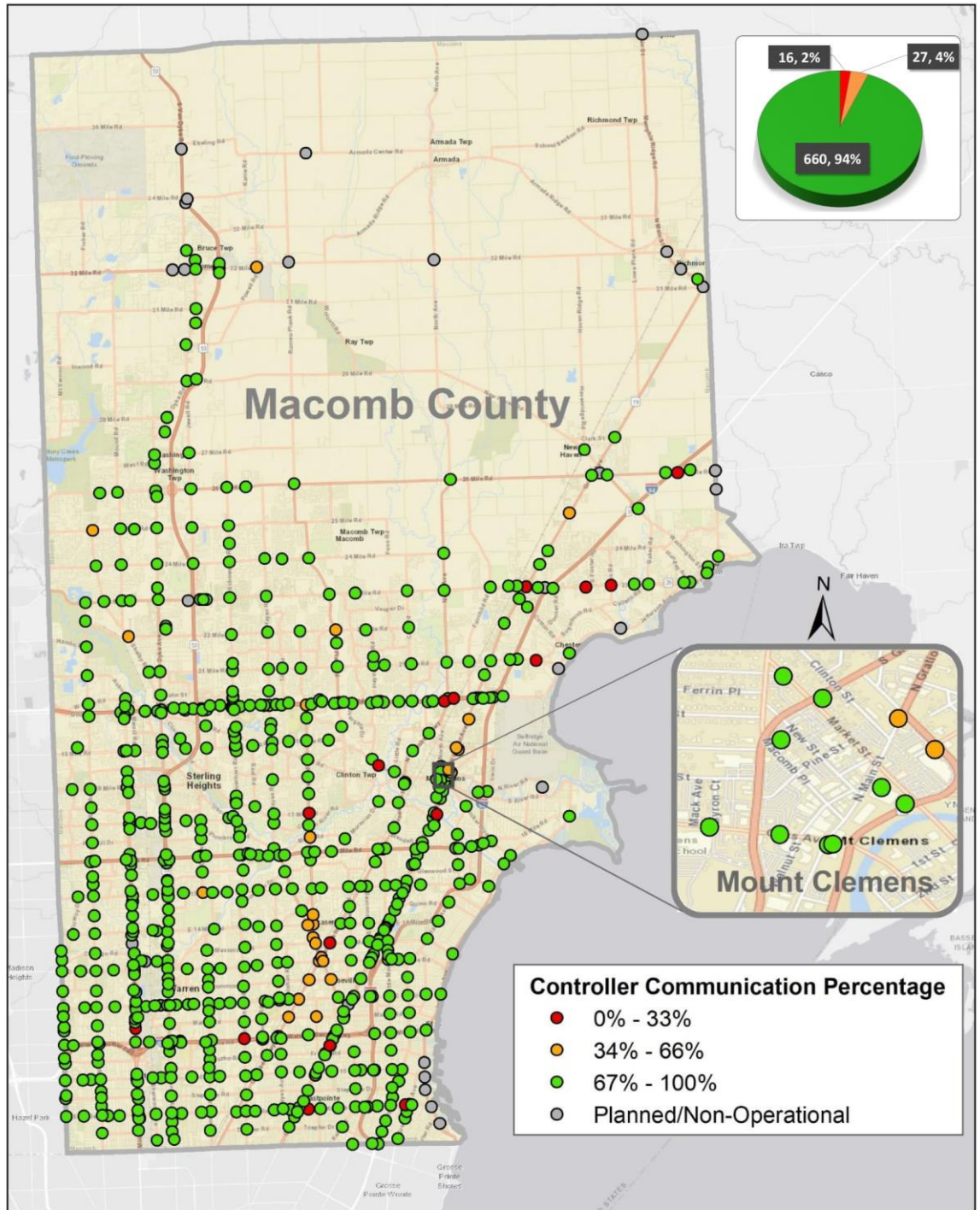
The map above represents the CCTV camera operational percentages for the month of September 2022.



REGIONAL COMMUNICATIONS SUMMARY

ITS MAINTENANCE

September 2022



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



HIGH IMPACT CORRIDOR COMMUNICATIONS AVAILABILITY

Corridor	Current Month	Previous Month	Change
9 Mile	94%	96%	-2%
14 Mile	93%	98%	-5%
15 Mile	97%	97%	0%
Metro Parkway	99%	99%	0%
Hall Rd(M-59)	99%	99%	0%
Dequindre	94%	99%	-5%
Ryan	96%	93%	3%
Mound	99%	99%	0%
Hoover	99%	98%	1%
Schoenherr	99%	97%	2%
Hayes	98%	99%	-1%
Gratiot(M-3)	95%	98%	-3%
Harper	99%	99%	0%

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

FIELD WORK

50 sites visited by the IT/ITS Maintenance Technicians. 22 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
09/02/2022 13:13	Van Dyke NB (M-53)/Crossover 700' S of 17 Mile Road	675	Incident
09/02/2022 15:08	Calahan (Grove)/12 Mile Road	412	Service Request
09/06/2022 8:23	Romeo Plank/22 Mile Road	385	Congestion
09/06/2022 10:45	17 Mile Road/Utica Road	751	Traffic Study
09/06/2022 17:13	Clinton River Road/Schoenherr	628	Incident
09/07/2022 8:36	Donner/I-94 EB Off Ramp/23 Mile Road	662	Incident
09/07/2022 8:36	Donner/M-29 (23 Mile Road)	999	Incident
09/07/2022 9:19	Schoenherr/24 Mile Road	655	Congestion
09/07/2022 17:19	Garfield/21 Mile Road	789	Construction
09/07/2022 17:19	Garfield/Hall Road (M-59)	156	Construction



SIGNAL TIMING CHANGES CONTINUED

MAINTENANCE

September 2022

Time of Signal change	Location	Intersection	Reason for signal change
09/07/2022 17:19	Garfield/Metropolitan Parkway	157	Construction
09/08/2022 12:51	Schoenherr/24 Mile Road	655	Traffic Study
09/08/2022 15:07	Van Dyke/North of 23 Mile - Shelby Twp. Civic Center Drive	747	Service Request
09/08/2022 15:54	17 Mile Road/Van Dyke	221	Incident
09/08/2022 16:50	Dodge Park/Metropolitan Parkway	83	Incident
09/09/2022 8:44	Dequindre/11 Mile	96	Congestion
09/09/2022 15:12	Cass/Groesbeck (M-97)	72	Congestion
09/12/2022 11:49	Mound/12 Mile Road	10	Service Request
09/12/2022 17:04	Cass/Groesbeck (M-97)	72	Congestion
09/12/2022 17:24	Church/Groesbeck (M-97)	884	Congestion
09/12/2022 17:24	Groesbeck (M-97)/Harrington	195	Congestion
09/13/2022 17:36	I-94 Northbound/12 Mile Road	358	Incident
09/13/2022 17:36	I-94 SB Off Ramp/12 Mile Road	362	Incident
09/13/2022 17:36	Little Mack/13 Mile Road	256	Incident
09/13/2022 17:36	Little Mack/12 Mile Road	257	Incident
09/13/2022 17:36	I-94 WB Off Ramp/Little Mack	713	Incident
09/13/2022 17:36	Little Mack/Stephens	598	Service Request
09/13/2022 17:55	Metropolitan Parkway/Utica Road	269	Construction
09/13/2022 17:55	Moravian/Utica Road	270	Construction
09/13/2022 17:55	Hayes/Utica Road	504	Construction
09/14/2022 10:57	14 Mile Road/Schoenherr	339	Service Request
09/14/2022 14:32	Metropolitan Parkway EB/Crossover 430' W of Utica Road	640	Construction
09/14/2022 14:32	Metropolitan Parkway WB/Crossover 430' E of Utica Road	641	Construction
09/15/2022 16:28	Elizabeth/Groesbeck (M-97)	126	Incident
09/15/2022 16:28	15 Mile Road/Harper/Klix	210	Incident
09/15/2022 16:28	Groesbeck (M-97)/Metropolitan Parkway	198	Construction
09/15/2022 16:28	Hayes/24 Mile Road	511	Incident
09/15/2022 16:28	Shelby Road/22 Mile Road	555	Congestion
09/15/2022 17:22	Church/Groesbeck (M-97)	884	Congestion
09/15/2022 17:22	Cass/Groesbeck (M-97)	72	Congestion
09/15/2022 17:56	Garfield/Moravian	239	Incident
09/15/2022 18:14	I-94 WB Off Ramp/21 Mile Road	345	Service Request
09/16/2022 13:28	15 Mile Road/Garfield	342	Congestion
09/16/2022 16:34	Hayes/Shoreline	626	Construction
09/16/2022 16:34	Hayes/Lakeside Village Apartments	849	Construction
09/16/2022 16:34	Groesbeck (M-97)/Harrington	195	Construction
09/19/2022 8:04	Metropolitan Parkway EB/Crossover 340' W of Schoenherr	638	Congestion
09/19/2022 8:04	Metropolitan Parkway WB/Crossover 340' E of Schoenherr	639	Congestion
09/19/2022 8:04	Metropolitan Parkway/Schoenherr	268	Congestion
09/22/2022 8:33	15 Mile Road/Garfield	342	Construction
09/22/2022 8:47	Romeo Plank/23 Mile Road	517	Congestion
09/22/2022 8:48	Elizabeth/Groesbeck (M-97)	126	Congestion
09/22/2022 15:49	Cass (Crocker)/Gratiot NB (M-3)	63	Congestion
09/22/2022 15:49	Cass/Main	71	Congestion
09/22/2022 15:54	Cass/Gratiot SB (M-3)	499	Congestion
09/23/2022 10:04	Bobcean/15 Mile Road	516	Construction
09/23/2022 10:04	15 Mile Road/Garfield	342	Construction



SIGNAL TIMING CHANGES CONTINUED

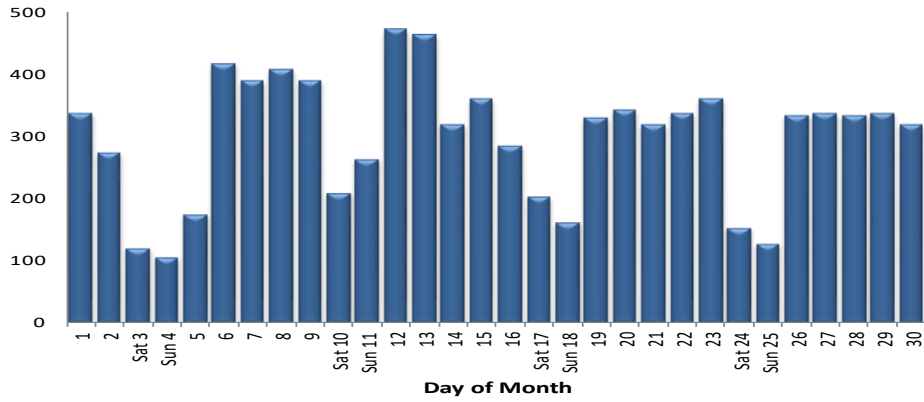
Time of Signal change	Location	Intersection	Reason for signal change
09/23/2022 10:04	15 Mile Road/Kelly	389	Construction
09/23/2022 10:04	15 Mile Road/Groesbeck (M-97)	134	Construction
09/23/2022 10:04	Carlier/Groesbeck (M-97)	550	Construction
09/23/2022 10:04	Groesbeck (M-97)/Metropolitan Parkway	198	Construction
09/23/2022 10:04	Hall Road EB (M-59)/Crossover West of Romeo Plank	762	Incident
09/23/2022 10:04	Hall Road WB (M-59)/Crossover East of Romeo Plank	763	Incident
09/23/2022 10:04	Hall Road (M-59)/Romeo Plank	211	Incident
09/23/2022 11:11	29 Mile Road/Jewell	1075	Service Request
09/23/2022 12:43	Cass/Heydenreich	734	Construction
09/23/2022 15:03	Hall Road (M-59)/Romeo Plank	211	Incident
09/27/2022 7:54	Groesbeck (M-97)/Metropolitan Parkway	198	Construction
09/27/2022 7:54	Cass/Groesbeck (M-97)	72	Congestion
09/28/2022 8:43	I-94 Southbound/10 Mile Road	360	Construction
09/28/2022 8:44	I-94 Northbound/10 Mile Road	356	Construction
09/28/2022 8:44	Groesbeck (M-97)/Harrington	195	Congestion
09/28/2022 8:44	Cass/Groesbeck (M-97)	72	Congestion
09/28/2022 8:44	Church/Groesbeck (M-97)	884	Congestion
09/28/2022 10:26	Donner/M-29 (23 Mile Road)	999	Service Request
09/28/2022 13:04	Calahan (Grove)/12 Mile Road	412	Service Request
09/29/2022 13:23	15 Mile Road/Groesbeck (M-97)	134	Incident
09/30/2022 11:30	Kelly/13 Mile Road	250	Construction
09/30/2022 11:30	15 Mile Road/Moravian	136	Incident
09/30/2022 11:30	Green (M-29)/Washington	192	Incident
09/30/2022 15:51	Metropolitan Parkway EB/Crossover 300' W of Harper	649	Congestion
09/30/2022 15:51	Harper/Metropolitan Parkway	218	Congestion
09/30/2022 15:51	Metropolitan Parkway WB/Crossover 295' E of Harper	650	Congestion

MAINTENANCE

September 2022

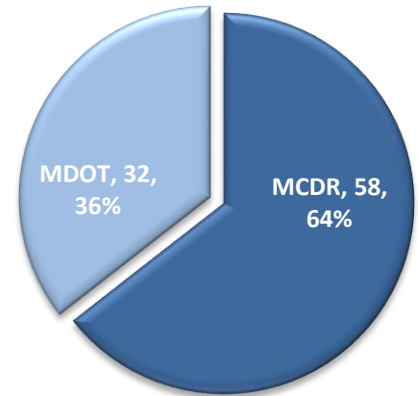
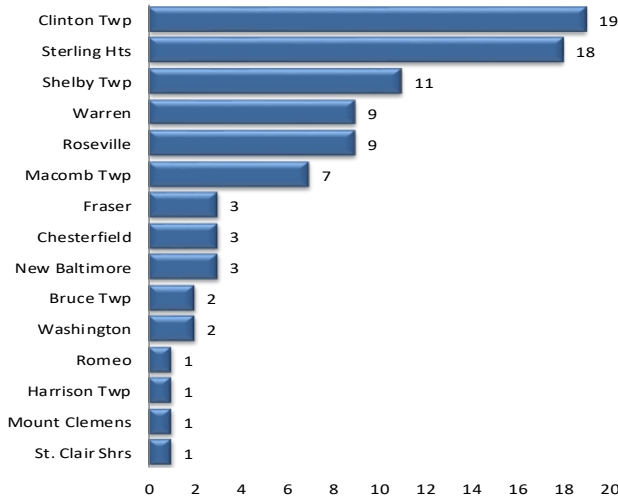


MCDR WEBSITE HITS



A total of **8,931** hits were accrued at <http://roads.macombgov.org/>.

CLOSED SERVICE REQUESTS PER MUNICIPALITY

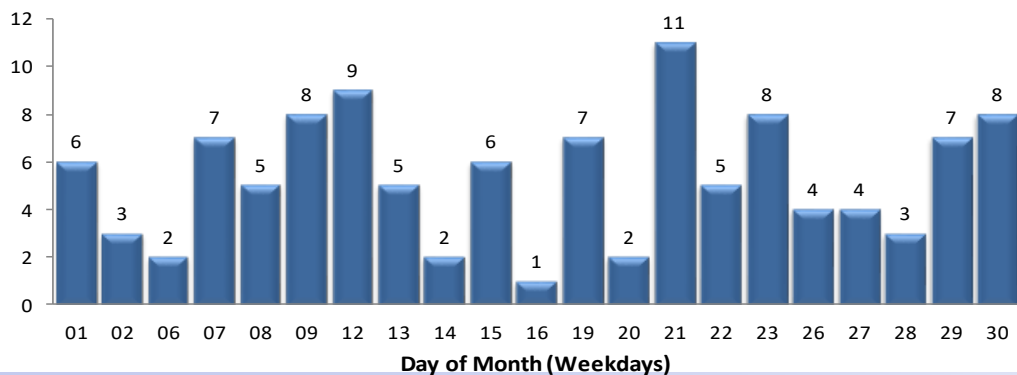


The chart to the left shows how many requests were closed per traffic signal location under municipality jurisdiction. The chart to the right shows breakdown of the requests closed under MDOT or MCDR / local municipality jurisdiction.

GOVDELIVERY NOTIFICATIONS

In the month of September, the TOC sent out **113** GovDelivery notifications. The number of recipients receiving GovDelivery notifications increased from **3,676** to **3,919** 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

September 2022

