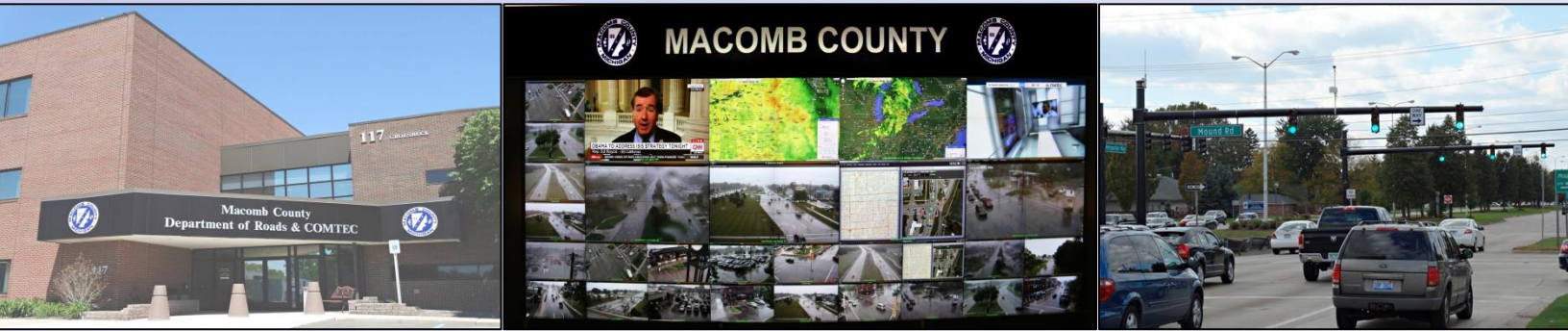


MACOMB COUNTY DEPARTMENT OF ROADS

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 2021

AECOM

WSP

**INTEGRAL
BLUE**



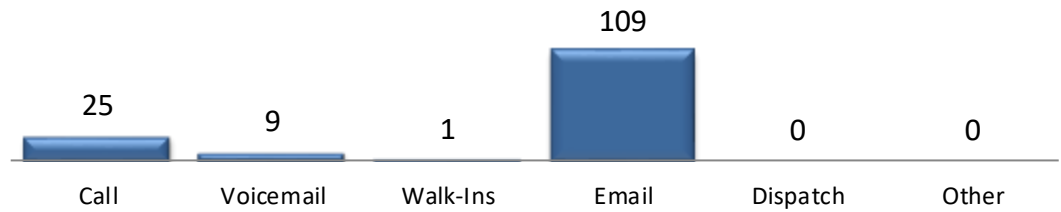
John Abraham, PhD, PE, PTOE
Director of Traffic & Operations
Macomb County Department of Roads
117 S Groesbeck Hwy
Mount Clemens, MI 48043
586-463-8671
JAbraham@RCMCWeb.org

MONTHLY TOC HIGHLIGHT

In September 2021, the Macomb County Department of Road's Traffic Operations Center (TOC) engineers performed a traffic study called Corridor of Significant Analysis (COSA) along Dequindre Road between 11 Mile Road and Avis Street. In past findings, this stretch of Dequindre Road had ranked amongst the worst performing corridors in Macomb County. However, the COSA study yielded significant enhancements that improved travel time and reduced the number of stops on weekdays during the AM and PM peak and off-peak periods. These enhancements to the corridor forecast an approximate saving of \$2.25 million per year.

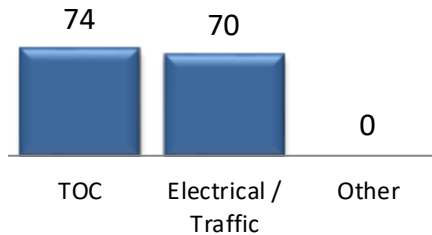
SERVICE REQUESTS

Service Request Source



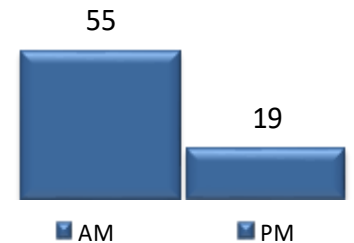
In the month of September, **144** incoming requests regarding traffic signals were received.

Service Request by Dept.

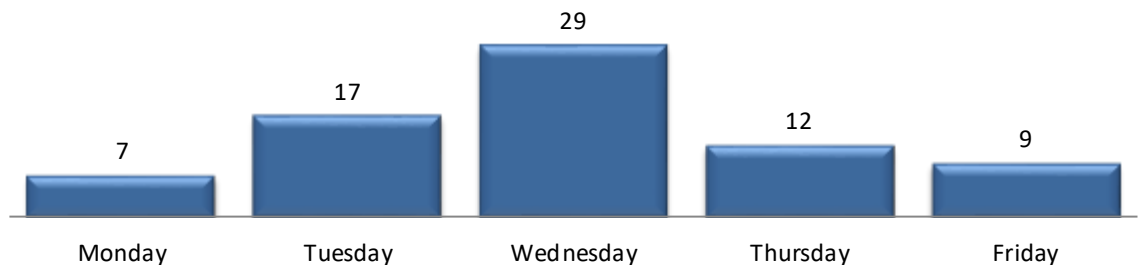


In the month of September, TOC engineers closed **80** service requests within an average of **4** business days.

TOC by Time of Day



Service Request Per Day of Week



TRAFFIC OPERATIONS

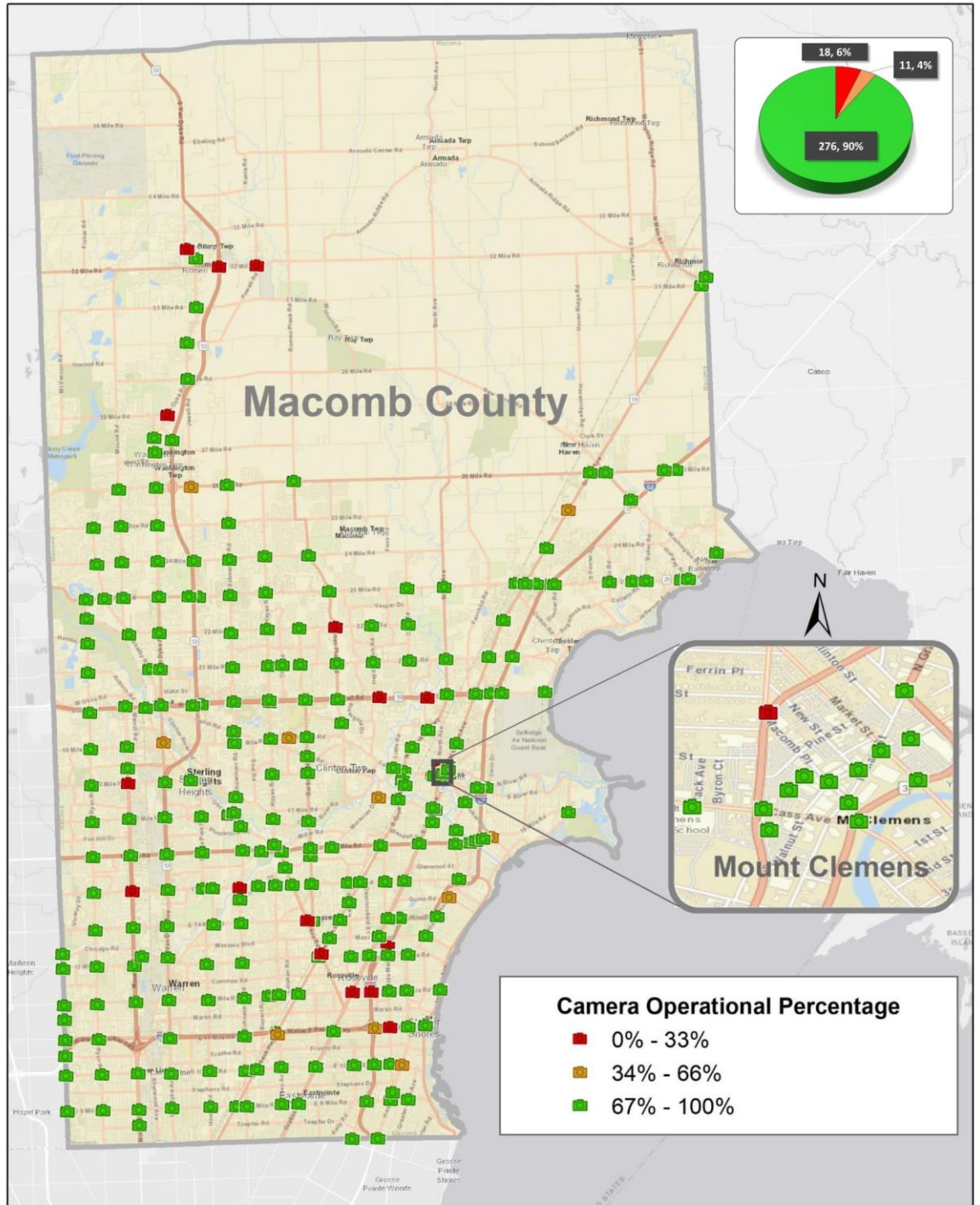
September 2021



CCTV TRAFFIC CAMERA SUMMARY

CAMERA COVERAGE

September 2021



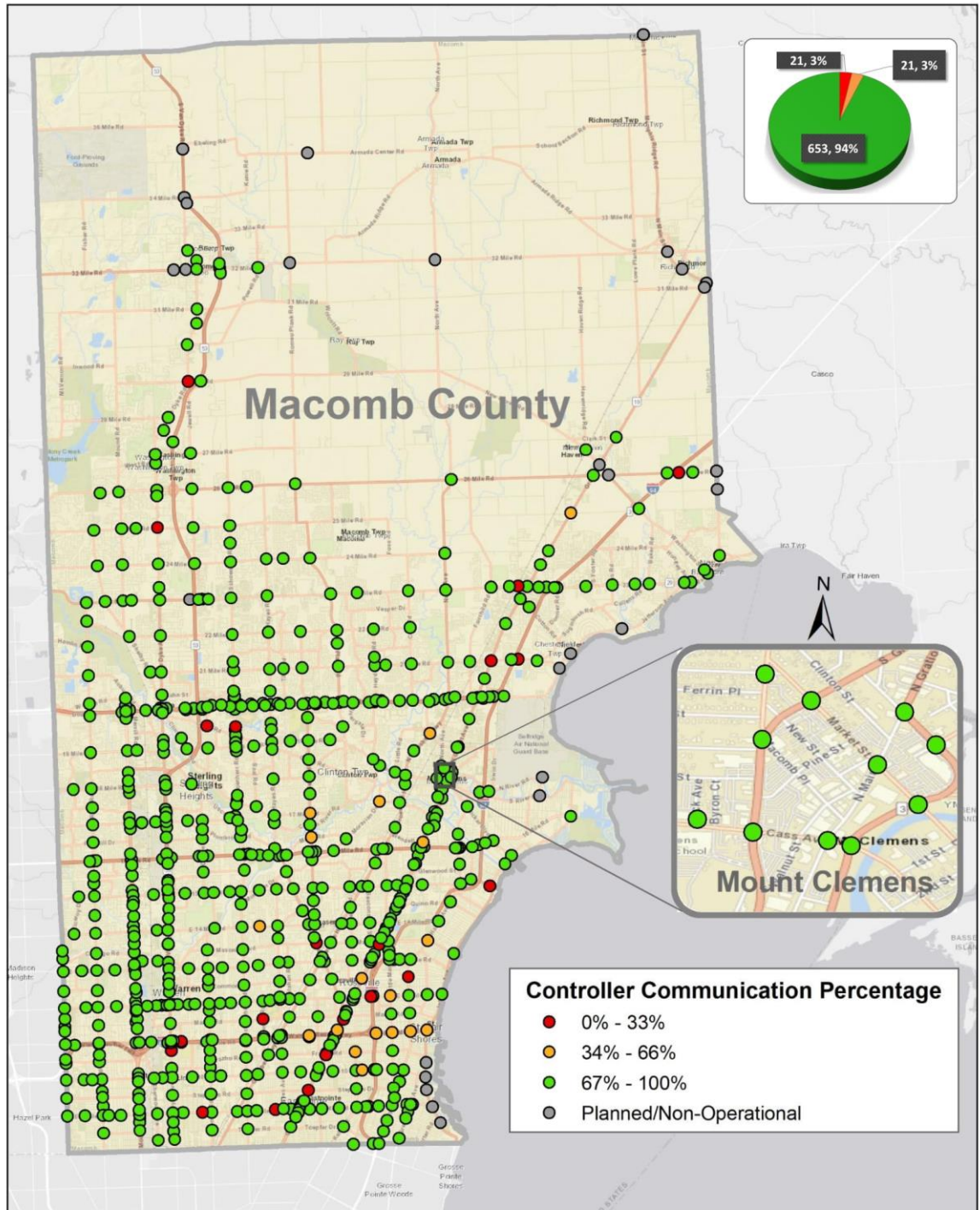
The map above represents the CCTV camera operational percentages for the month of September 2021.



REGIONAL COMMUNICATIONS SUMMARY

ITS MAINTENANCE

September 2021



The map above represents the communication availability percentages of Traffic Signal Controllers for the month of September 2021.



HIGH IMPACT CORRIDOR COMMUNICATIONS AVAILABILITY

Corridor	Current Month	Previous Month	Change
9 Mile	95%	95%	0%
14 Mile	98%	99%	-1%
15 Mile	99%	88%	11%
Metro Parkway	99%	97%	2%
Hall Rd(M-59)	99%	99%	0%
Dequindre	90%	91%	-1%
Ryan	97%	96%	1%
Mound	97%	94%	3%
Hoover	98%	99%	-1%
Schoenherr	97%	97%	0%
Hayes	96%	98%	-2%
Gratiot(M-3)	92%	95%	-3%
Harper	90%	92%	-2%

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

FIELD WORK

117 sites visited by TOC staff and 7 sites visited by IT/ITS maintenance technicians and the MCDR Electrical Group in September 2021.

SIGNAL TIMING CHANGES

Traffic signal changes performed by TOC engineers

Time of Signal change	Loc #	Intersection	Reason for signal change
09/01/2021 18:23	Metropolitan Parkway/Utica Road	269	Construction
09/01/2021 18:23	Metropolitan Parkway EB/Crossover 430' W of Utica Road	640	Construction
09/01/2021 18:23	Metropolitan Parkway WB/Crossover 430' E of Utica Road	641	Construction
09/01/2021 18:23	Schoenherr/Utica Road	108	Construction
09/01/2021 18:23	Metropolitan Parkway/Schoenherr	268	Construction
09/01/2021 18:23	Metropolitan Parkway EB/Crossover 340' W of Schoenherr	638	Construction
09/01/2021 18:23	Metropolitan Parkway WB/Crossover 340' E of Schoenherr	639	Construction
09/01/2021 18:23	Broadway (M-3/NB Gratiot)/Iroquois	528	Construction
09/02/2021 16:30	Hollister/Van Dyke	229	Special Event
09/02/2021 16:30	Chandler (Sisson)/32 Mile Road	681	Special Event

MAINTENANCE

September 2021



SIGNAL TIMING CHANGES

CONTINUED

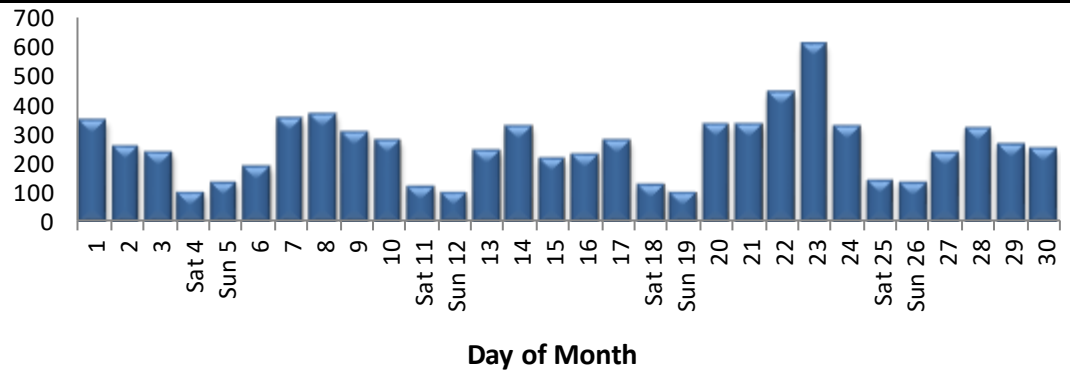
MAINTENANCE

September 2021

Time of Signal change	Loc #	Intersection	Reason for signal change
09/07/2021 16:15	Metropolitan Parkway EB/Crossover 430' W of Utica Road	640	Special Event
09/07/2021 17:16	Hayes/24 Mile Road	511	Incident
09/07/2021 17:17	Schoenherr/24 Mile Road	655	Incident
09/09/2021 17:56	Dequindre/10 Mile Road	104	Service Request
09/10/2021 12:24	Dequindre/12 Mile Road	106	Incident
09/10/2021 12:31	Dequindre/12 Mile Road	106	Incident
09/16/2021 10:43	M-53 (Van Dyke)/34 Mile Road	1024	Service Request
09/16/2021 10:43	M-53 (Relocated)/Van Dyke NB	728	Service Request
09/16/2021 13:00	Schoenherr/24 Mile Road	655	Service Request
09/16/2021 13:01	Romeo Plank/23 Mile Road	517	Service Request
09/22/2021 15:06	Dequindre/12 Mile Road	106	Incident
09/22/2021 15:06	Clinton River Road/Garfield	37	Service Request
09/22/2021 15:06	18 Mile Road/Utica Road	507	Incident
09/22/2021 15:06	Broadway (M-3/NB Gratiot)/Iroquois	528	Service Request
09/22/2021 16:28	Garfield/Millar	495	Construction
09/22/2021 16:28	Clinton River Road/Garfield	37	Construction
09/22/2021 16:28	Garfield/17 Mile Road	508	Construction
09/22/2021 16:28	Garfield/Terra Bella	614	Construction
09/22/2021 16:28	18 Mile Road/Garfield	624	Construction
09/22/2021 16:28	Canal/Garfield	500	Construction
09/22/2021 16:29	Garfield/19 Mile Road	524	Construction
09/23/2021 6:55	North Avenue/21 Mile Road	482	Service Request
09/23/2021 15:45	Revere/12 Mile Road	338	Traffic Study
09/23/2021 15:45	Ryan/12 Mile Road	303	Traffic Study
09/23/2021 15:45	Milton/12 Mile Road	560	Traffic Study
09/23/2021 15:45	Mound/12 Mile Road	10	Traffic Study
09/23/2021 15:45	12 Mile Road/GM Gate (1/4 Mile E. of Mound)	331	Traffic Study
09/23/2021 15:45	Lorna/12 Mile Road	607	Traffic Study
09/23/2021 15:45	Pauline/12 Mile Road	294	Traffic Study
09/23/2021 15:45	12 Mile Road/Van Dyke	322	Traffic Study
09/23/2021 15:45	12 Mile Road/Tech Plaza Drive	321	Traffic Study
09/23/2021 15:45	Lorraine/12 Mile Road	5	Traffic Study
09/23/2021 15:45	Campbell/12 Mile Road	69	Traffic Study
09/23/2021 15:46	Hoover/12 Mile Road	236	Traffic Study
09/23/2021 15:46	Imperial/12 Mile Road	29	Traffic Study
09/23/2021 15:46	Newport/12 Mile Road	280	Traffic Study
09/23/2021 15:46	Schoenherr/12 Mile Road	307	Traffic Study
09/23/2021 16:45	Hayes/19 Mile Road	519	Congestion
09/23/2021 16:45	Hall Road (M-59)/Hayes	467	Congestion
09/24/2021 11:45	Dequindre/Madison Solberg Towers	154	Service Request
09/27/2021 12:23	Tilch/21 Mile Road	718	Congestion
09/28/2021 11:43	14 Mile Road/Groesbeck (M-97)	143	Construction
09/28/2021 11:44	Bunert/12 Mile Road	348	Traffic Study
09/28/2021 11:45	12 Mile Road/Macomb CC/Wayne SU crossing	1028	Traffic Study
09/28/2021 11:45	Hayes/12 Mile Road	417	Traffic Study
09/28/2021 11:45	12 Mile Road/Utica Road	320	Traffic Study
09/28/2021 11:45	Little Mack/12 Mile Road	257	Traffic Study
09/28/2021 11:45	Harper/12 Mile Road	225	Traffic Study
09/28/2021 11:46	Calahan (Grove)/12 Mile Road	412	Traffic Study

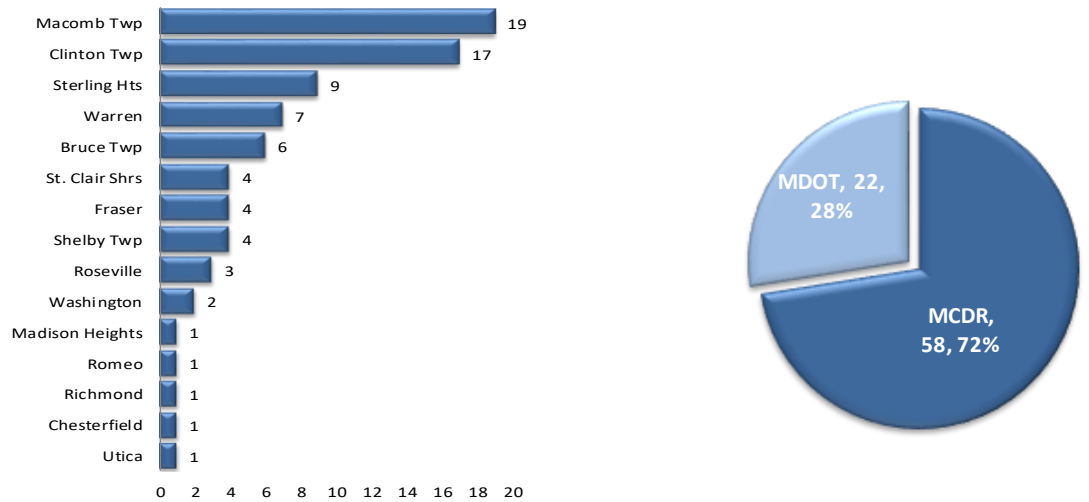


MCDR WEBSITE HITS



A total of **7,737** hits were accrued at <http://roads.macombgov.org/>.

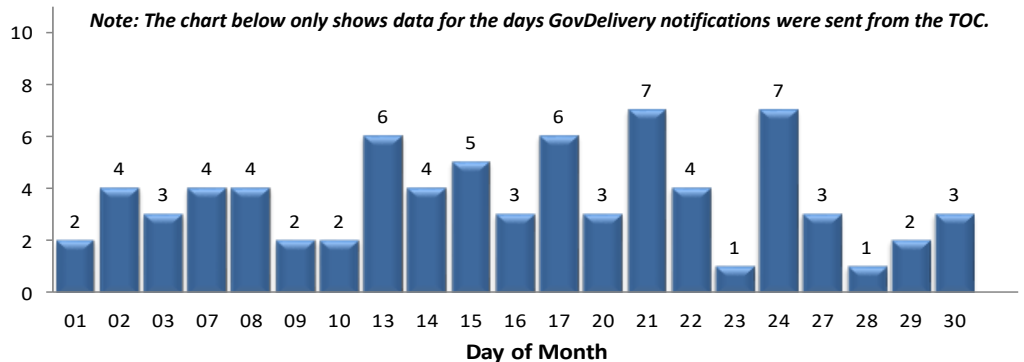
SERVICE REQUESTS PER MUNICIPALITY



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 September, the TOC sent out **76** GovDelivery notifications, and increased the number of recipients from **2,766** to **2,906** receiving notifications.



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.](#)

