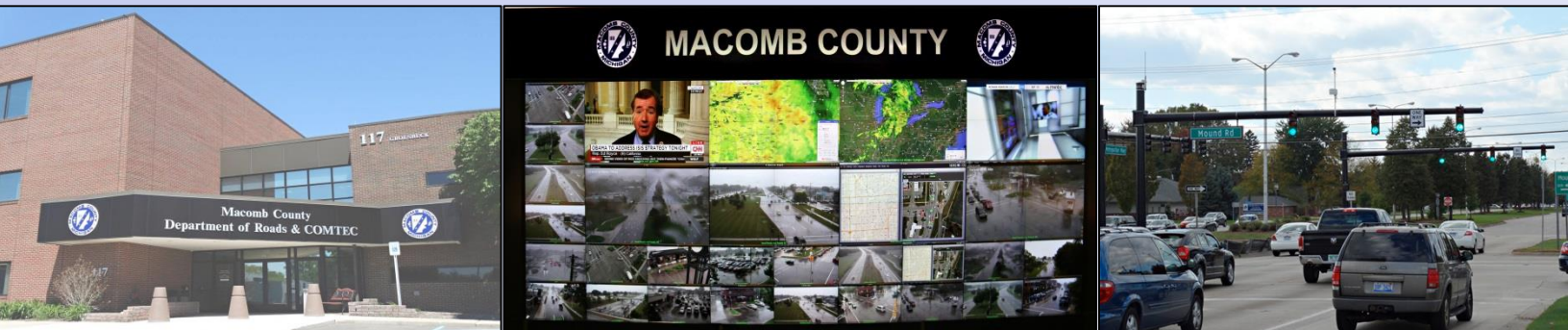


MACOMB COUNTY DEPARTMENT OF ROADS

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



June 2021

AECOM

WSP

**INTEGRAL
BLUE**



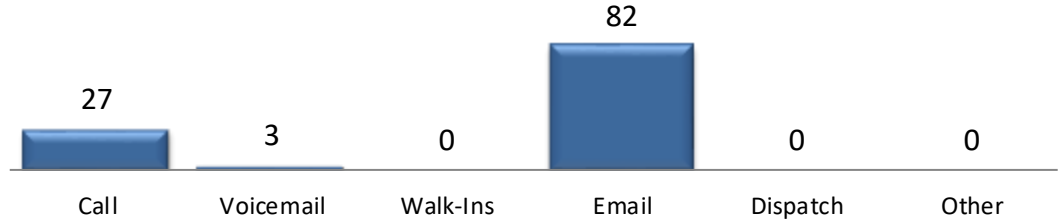
John Abraham, PhD, PE, PTOE
Director of Traffic & Operations
Macomb County Department of Roads
117 S Groesbeck Hwy
Mount Clemens, MI 48043
586-463-8671
JAbraham@RCMCWeb.org

MONTHLY TOC HIGHLIGHT

MCDR completed the implementation of its VLAN project, which separates data being communicated from the various intersections throughout the county into separate virtual networks. This change in networking improves data transmission rates, reduces communications interference, improves network management, improves device reliability and up-time, and increases data security.

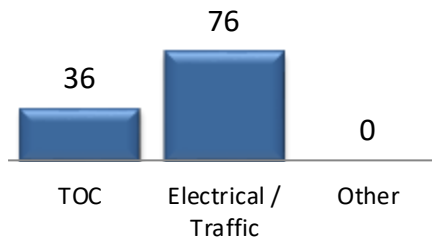
SERVICE REQUESTS

Service Request Source



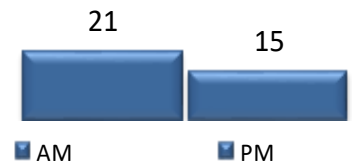
In the month of June, **112** incoming requests regarding traffic signals were received.

Service Request by Dept.

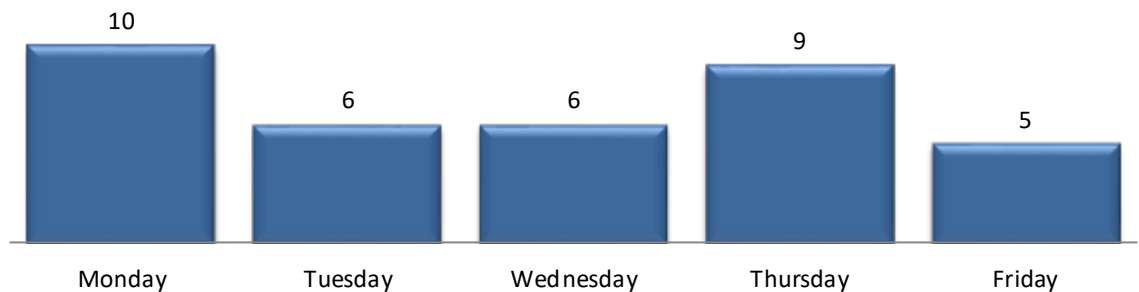


In the month of June, TOC engineers closed **35** service requests within an average of **8** business days.

TOC by Time of Day



Service Request Per Day of Week



TRAFFIC OPERATIONS

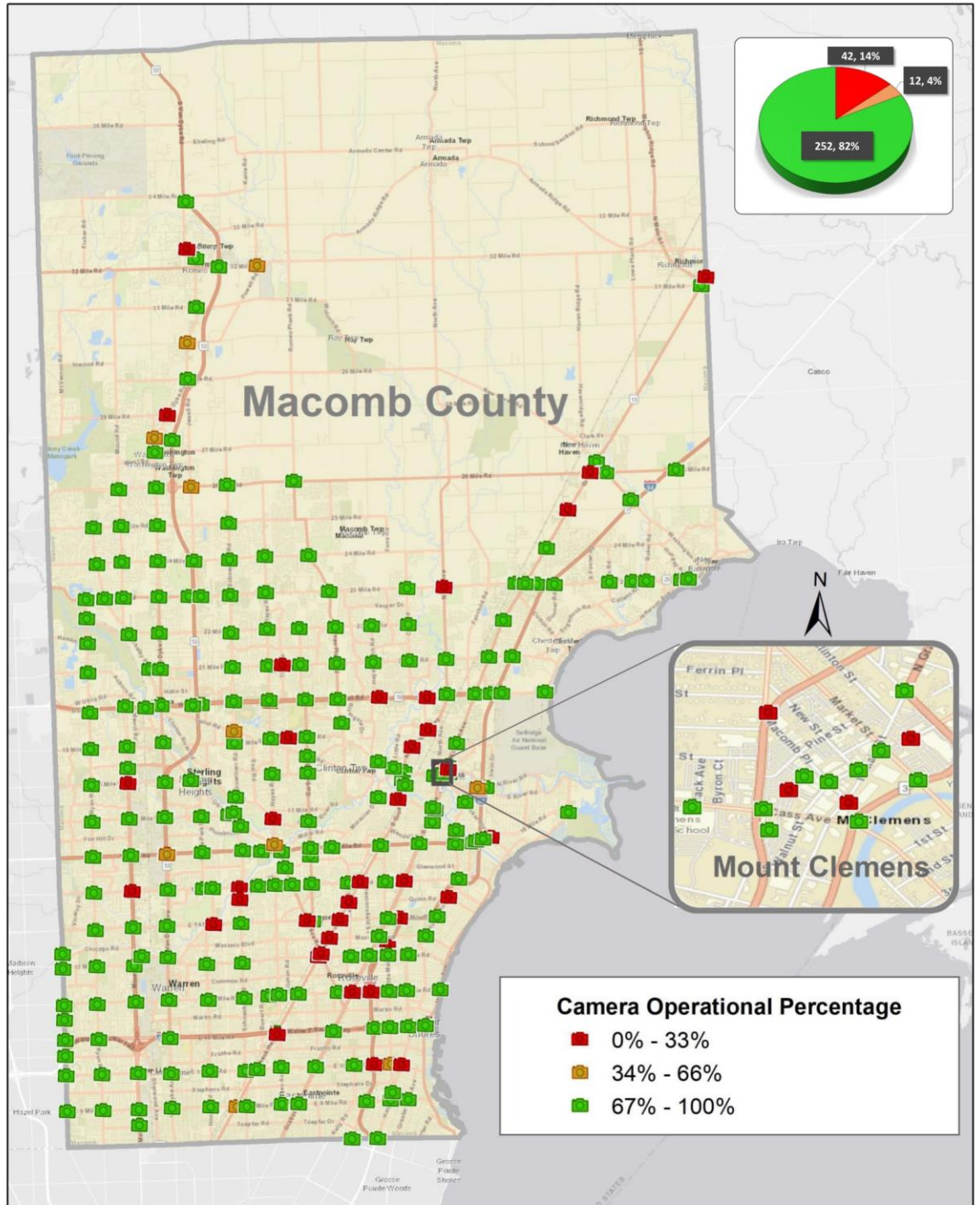
June 2021



CCTV TRAFFIC CAMERA SUMMARY

CAMERA COVERAGE

June 2021



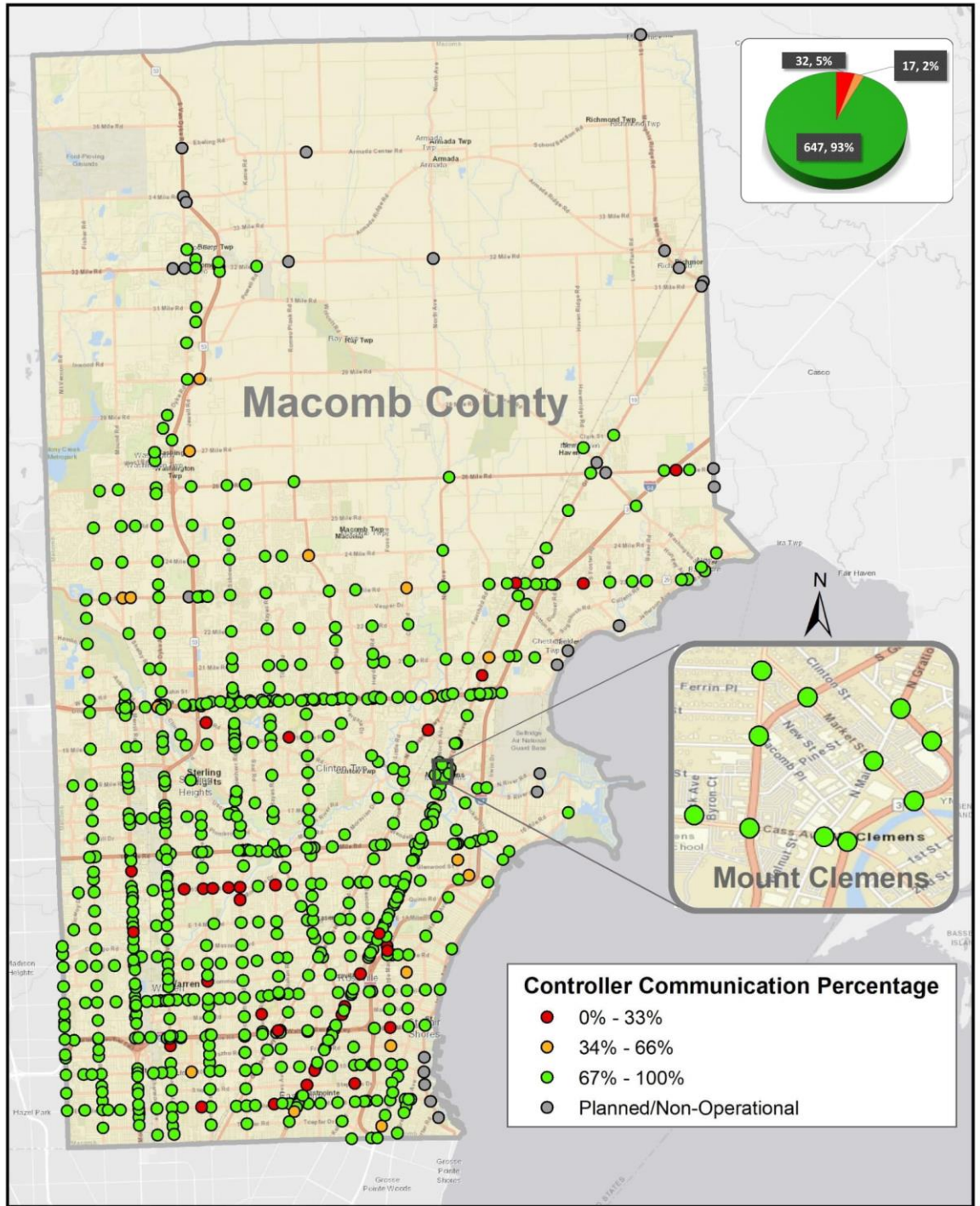
The map above represents the CCTV camera operational percentages for the month of June 2021.



REGIONAL COMMUNICATIONS SUMMARY

ITS MAINTENANCE

June 2021



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



HIGH IMPACT CORRIDOR

COMMUNICATIONS AVAILABILITY

Corridor	Current Month	Previous Month	Change
9 Mile	96%	95%	1%
14 Mile	99%	98%	1%
15 Mile	79%	93%	-14%
Metro Parkway	99%	99%	0%
Hall (M-59)	99%	98%	1%
Dequindre	87%	92%	-5%
Ryan	99%	99%	0%
Mound	97%	97%	0%
Hoover	99%	99%	0%
Schoenherr	95%	95%	0%
Hayes	96%	96%	0%
Gratiot (M-3)	94%	91%	3%
Harper	99%	99%	0%

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

FIELD WORK

89 sites visited by TOC staff and 6 sites visited by IT/ITS maintenance technicians and the MCDR Electrical Group in June 2021.

SIGNAL TIMING CHANGES

Traffic signal changes performed by TOC engineers

Time of Signal change	Loc #	Intersection	Reason for signal change
06/02/2021 17:40	763	Hall Road WB (M-59)/Crossover East of Romeo Plank	Service Request
06/02/2021 17:41	613	Hall Road (M-59)/Rivergate	Construction
06/02/2021 17:41	802	Hall Road EB (M-59)/Crossover West of Heyendreich	Construction
06/02/2021 17:41	980	Hall Road EB (M-59)/Heydenreich	Construction
06/02/2021 17:41	804	Hall Road EB (M-59)/Crossover West of Chateau Thierry	Construction
06/04/2021 15:09	534	Cass/Moravian	Construction



SIGNAL TIMING CHANGES

CONTINUED

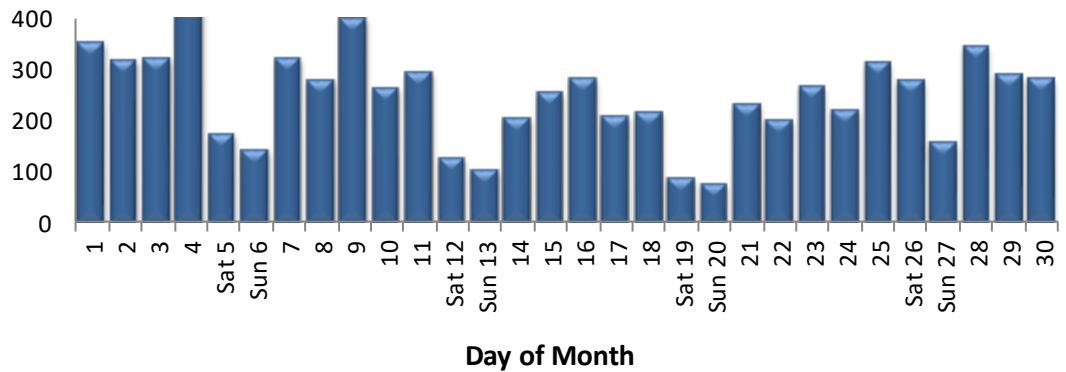
Time of Signal change	Loc #	Intersection	Reason for signal change
06/04/2021 15:10	211	Hall Road (M-59)/Romeo Plank	Construction
06/04/2021 15:10	613	Hall Road (M-59)/Rivergate	Construction
06/04/2021 15:10	802	Hall Road EB (M-59)/Crossover West of Heyendreich	Construction
06/04/2021 15:10	980	Hall Road EB (M-59)/Heydenreich	Construction
06/04/2021 15:10	804	Hall Road EB (M-59)/Crossover West of Chateau Thierry	Construction
06/16/2021 14:24	186	Gratiot (M-3)/23 Mile Road	Traffic Study
06/16/2021 14:24	973	23 Mile Road/Waterside Market Place	Traffic Study
06/16/2021 14:24	192	Green (M-29)/Washington	Traffic Study
06/16/2021 14:24	191	Hooker/Main Street/M-29	Traffic Study
06/16/2021 14:24	246	Jefferson/23 Mile Road (M-29/Green)	Traffic Study
06/16/2021 14:24	187	County Line/Green (M-29)	Traffic Study
06/16/2021 14:24	879	Baker/Callens/23 Mile Road	Traffic Study
06/16/2021 14:24	838	Sass Road/23 Mile Road	Traffic Study
06/16/2021 14:24	272	Seaton Drive/23 Mile Road	Traffic Study
06/16/2021 14:24	559	Seaden (Sierra)8387/23 Mile Road	Traffic Study
06/16/2021 14:24	999	Donner/M-29 (23 Mile Road)	Traffic Study
06/16/2021 14:24	662	Donner/I-94 EB Off Ramp/23 Mile Road	Traffic Study
06/16/2021 14:24	836	I-94 WB Off Ramp/23 Mile Road	Traffic Study
06/22/2021 11:38	504	Hayes/Utica Road	Service Request
06/23/2021 9:05	482	North Avenue/21 Mile Road	Service Request
06/23/2021 15:53	511	Hayes/24 Mile Road	Traffic Study
06/23/2021 15:53	977	Mound NB/Tacom Gate	Traffic Study
06/25/2021 11:59	400	Jefferson/Lakeland	Construction
06/25/2021 12:55	192	Green (M-29)/Washington	Special Event
06/25/2021 13:21	608	Schoenherr/23 Mile Road	Incident
06/29/2021 10:45	285	Nine Mile Road/Sherwood	Congestion
06/30/2021 15:59	979	Hall Road WB (M-59)/Heydenreich	Construction
06/30/2021 16:45	803	Hall Road WB (M-59)/Crossover East of Heydenreich	Construction

MAINTENANCE

June 2021

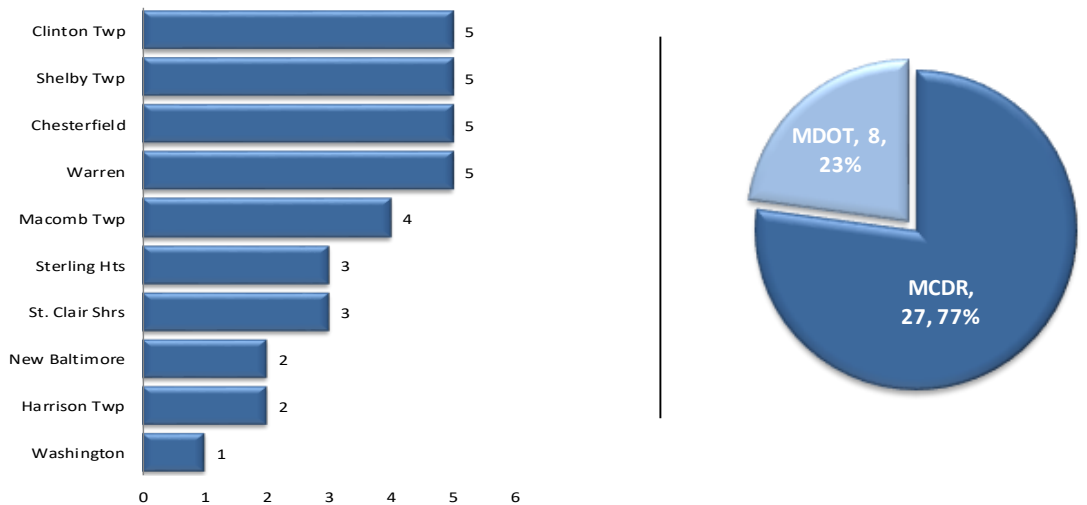


MCDR WEBSITE HITS



A total of **7,511** hits were accrued at <http://roads.macombgov.org/>.

SERVICE REQUESTS PER MUNICIPALITY

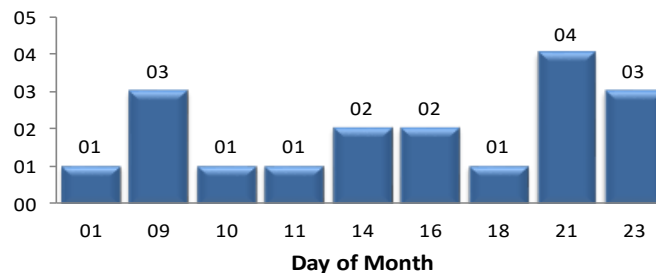


The chart to the left shows how many requests were created per traffic signal location under municipality jurisdiction. The chart to the right shows breakdown of the requests created under MDOT or MCDR / local municipality jurisdiction.

GOVDELIVERY NOTIFICATIONS

In the month of June, the TOC sent out **24** GovDelivery notifications, and increased the number of recipients from **2,610** to **2,661** 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.](#)

