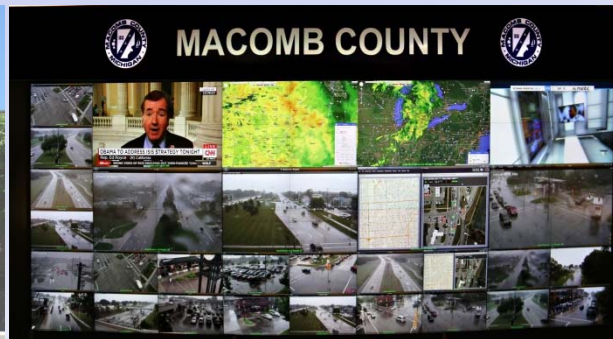# MACOMB COUNTY DEPARTMENT OF ROADS

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."

PERFORMANCE MEASURES

July 2018

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AECOM OPUS INTEGRAL BLUE

INFORMATIVE TOC HIGHLIGHT

The Macomb County Department of Roads Traffic Operations Center strives to reduce delay along all county operated roadways. In the month of July, a Corridor of Significance Analysis (COSA), which is a means to improve traffic operations along a specific corridor, was performed along 23 Mile Road. The optimized traffic operations were able to reduce travel time throughout the corridor by approximately 4 minutes in the afternoon peak travel time.
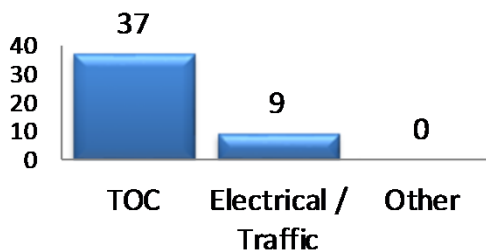
SERVICE REQUESTS

Source

Bar chart values:
- Call: 35
- Voicemail: 3
- Walk-Ins: 0
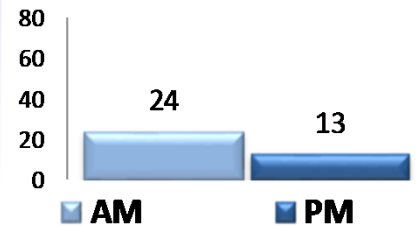- Email: 8
- Dispatch: 0
- Other: 0
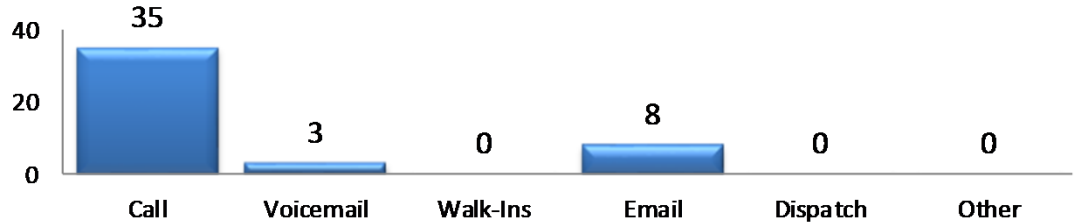
In the month of July, 46 incoming requests regarding traffic signals were received. The 'Source' chart shows how the service request was received by the TOC.

Service Request by Dept.

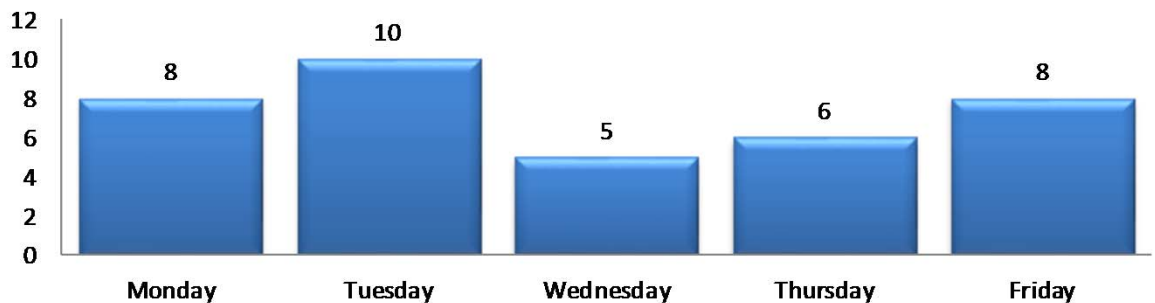Bar chart values:
- TOC: 37
- Electrical / Traffic: 9
- Other: 0

In the month of July, the TOC engineers closed 36 service requests within an average of 6 business days.

TOC AM/PM Requests

Bar chart values:
- AM: 24
- PM: 13

Service Request Per Day of Week

Bar chart values:
- Monday: 8
- Tuesday: 10
- Wednesday: 5
- Thursday: 6
- Friday: 8

AECOM

ITS MAINTENANCE

July 2018

632, 98%

13, 2%

This chart shows the number of traffic signal controllers with communication to the TOC.

■ Operational
■ Under Maintenance

Key

● Operational

● Under Maintenance

● Planned

Macomb County Sheriff Dispatch Jurisdictions
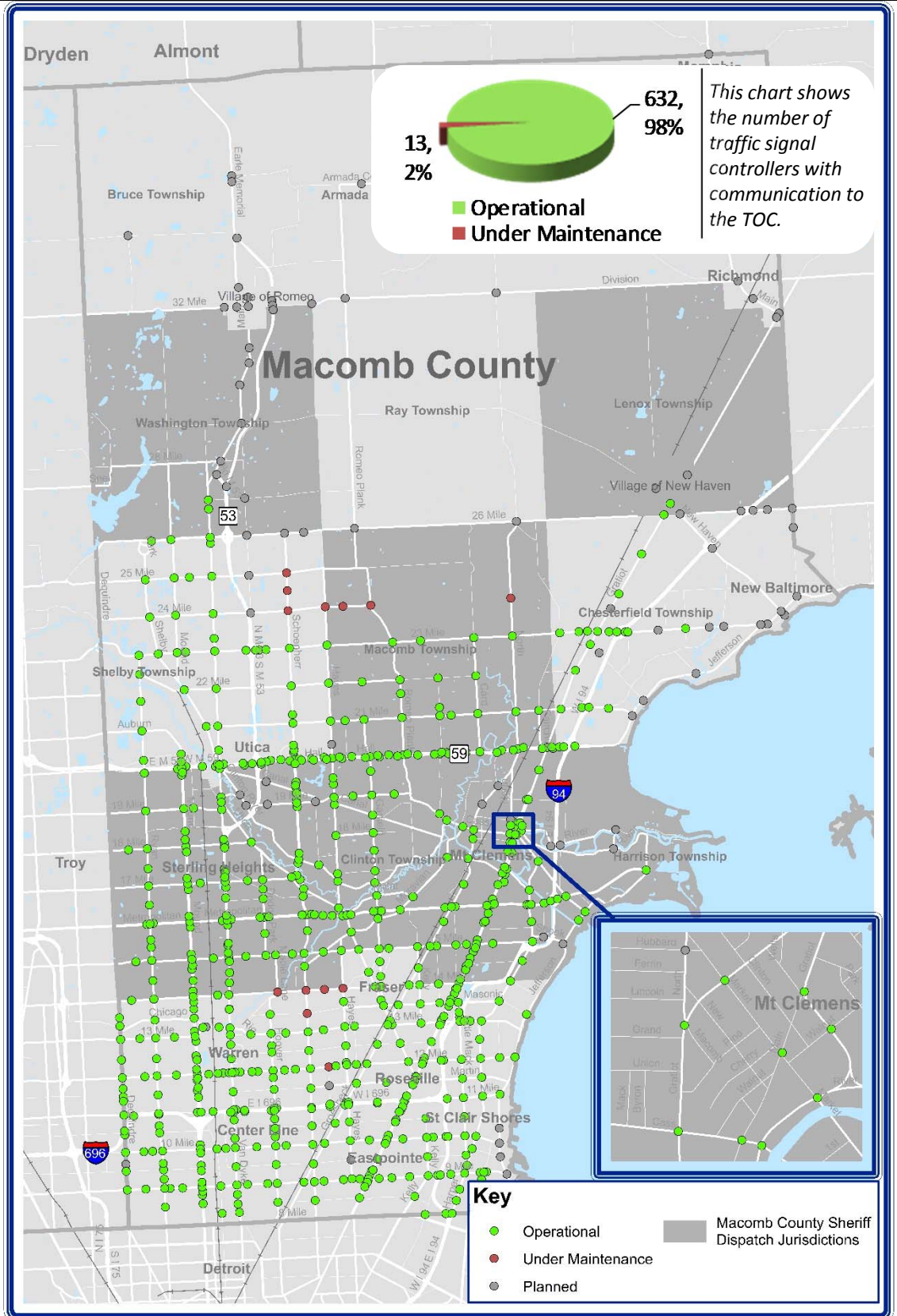
During the target month, the TOC added 3 intersections to our operational communications network.

Locations considered to have operational communications are shown in green, while locations found not to have operational communications due to needed maintenance at the time of the snapshot are shown in red. Locations that are "Planned" have not yet been integrated into TOC network.

AECOM

COUNTY CORRIDOR COMMUNICATIONS
AVAILABILITY

Corridor	Current Month	Previous Month	Change
9 Mile	100%	100%	0%
14 Mile	75%	100%	-25%
15 Mile	100%	100%	0%
Metro Parkway	100%	100%	0%
Hall (M-59)	100%	100%	0%
Ryan	100%	100%	0%
Mound	100%	100%	0%
Hoover	100%	93%	7%
Schoenherr	87%	92%	-5%
Hayes	92%	96%	-4%
Gratiot (M-3)	100%	98%	2%
Harper	100%	100%	0%

The table above represents a one-time monthly snapshot of communications along major corridors in Macomb County. Corridors which are considered to have operational communications (90% and above) are shown in green, while corridors found not to have operational communications (<90%) at the time of the snapshot are shown in red.

EXECUTED TRAFFIC SIGNAL UPGRADES

June	Location	Upgrade
N/A	N/A	N/A

Tracks the roadway upgrades executed in Macomb County, including those done by other transportation agencies, also lists a description of the upgrades performed.
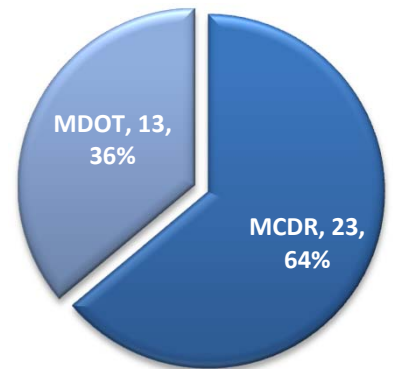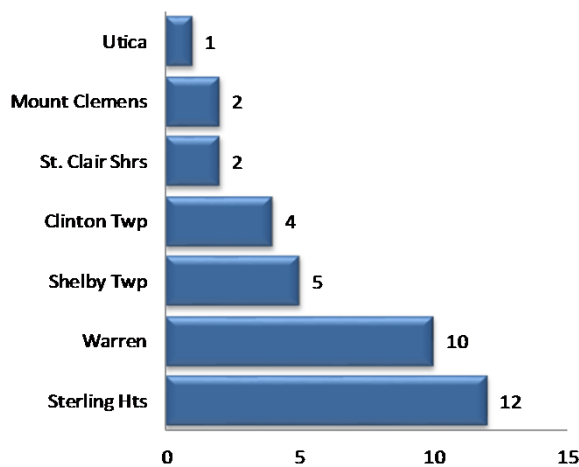
SIGNAL INFORMATION

July 2018

AECOM

MCDR WEBSITE HITS

Number of Hits (y-axis: 0, 20, 40, 60, 80)

Bar chart with Day of Month (x-axis): Sun 1, 2, 3, 4, 5, 6, Sat 7, Sun 8, 9, 10, 11, 12, 13, Sat 14, Sun 15, 16, 17, 18, 19, 20, Sat 21, Sun 22, 23, 24, 25, 26, 27, Sat 28, Sun 29, 30

Day of Month
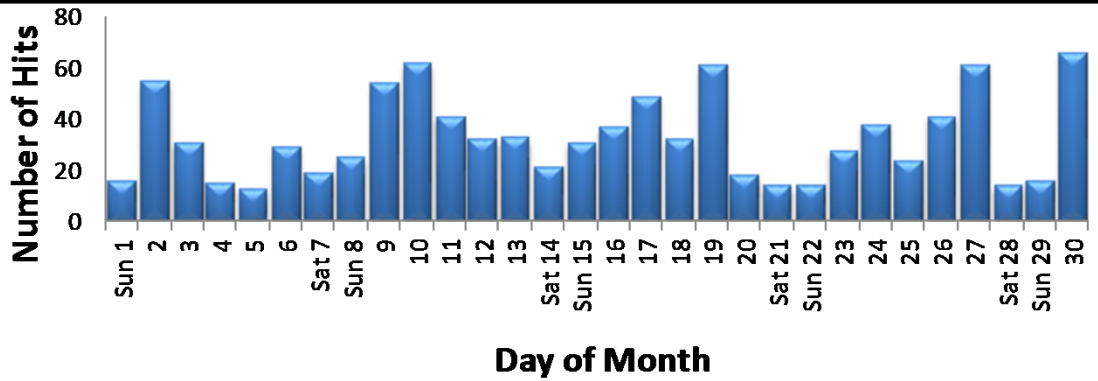
A total of 1,024 hits were accrued at http://roads.macombgov.org/.

SERVICE REQUESTS PER MUNICIPALITY

Municipality	Requests
Utica	1
Mount Clemens	2
St. Clair Shrs	2
Clinton Twp	4
Shelby Twp	5
Warren	10
Sterling Hts	12

(x-axis: 0, 5, 10, 15)

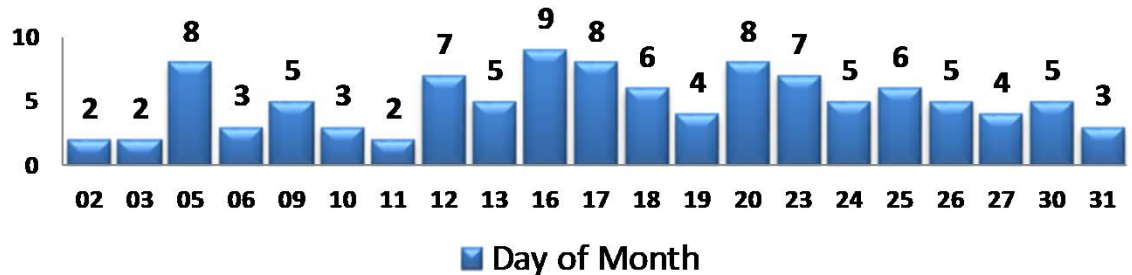Pie chart: MDOT, 13, 36%; MCDR, 23, 64%

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

GOVDELIVERY NOTIFICATIONS

In the month of July, the TOC sent out 107 GovDelivery notifications, and increased the number of recipients from 1,148 to 1,167 receiving notifications.

Note: The chart below only shows data for the days GovDelivery notifications were sent from the TOC.

Bar chart (y-axis: 0, 5, 10):

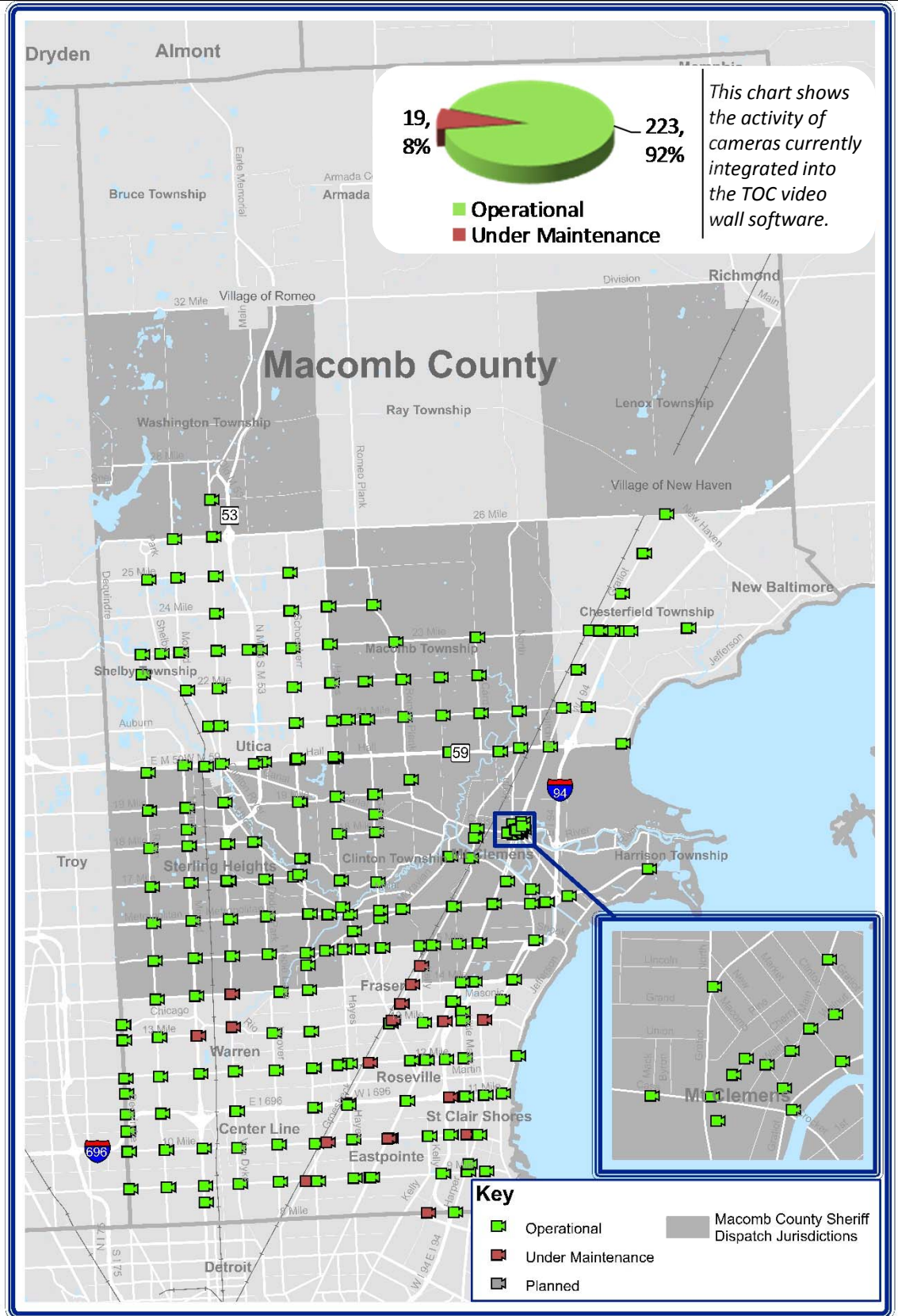| Day	Value
02	2
03	2
05	8
06	3
09	5
10	3
11	2
12	7
13	5
16	9
17	8
18	6
19	4
20	8
23	7
24	5
25	6
26	5
27	4
30	5
31	3

■ **Day of Month**

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 only sent after the 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

July 2018

MACOMB COUNTY · MICHIGAN

AECOM

CAMERA COVERAGE

July 2018

This chart shows the activity of cameras currently integrated into the TOC video wall software.

19, 8%

223, 92%

■ Operational
■ Under Maintenance

Key

■ Operational

■ Under Maintenance

■ Planned

Macomb County Sheriff Dispatch Jurisdictions

During the target month, the TOC added 0 cameras to be viewed on the video wall.

Cameras considered to have operational communications are shown in green, while cameras found not to have operational communications due to needed maintenance at the time of the snapshot are shown in red. Cameras that are "Planned" have not yet been integrated into TOC video wall software.