

KC Scout

Kansas City's Bi-State Transportation Management Center

Operations Report November 2018

This report contains statistical and operational data of activities at the Scout TMC for the period Thursday, November 1, 2018 to Friday, November 30, 2018



Incident Summary

A summary of the incidents logged by Scout ITS Operations Staff

Total Incidents

The total number of incidents during this period. An incident is defined as any event on the roadway which affects or can affect normal traffic flow.

October '18 – 4,092

November '18 – 4,030

November '17 – 3,329

Incidents with Lane Blockage

The total number of incidents which resulted in at least one blocked lane of travel. (Incidents < 3mins & roadwork excluded)

October '18 – 913

November '18 – 911

November '17 – 608

Multi-Vehicle Incidents

The total number of multi-vehicle incidents during this period. A multi-vehicle incident is defined as any type of collision between two or more vehicles on a roadway.

October '18 – 604

November '18 – 553

November '17 – 439

Total Minutes of Blocked Lanes

The total number of minutes in which lanes of travel were blocked during this period. (Roadwork excluded)

October '18 – 34,769

November '18 – 32,413

November '17 – 20,019

Average Time to Clear Lanes

The average time for all lanes to be cleared for an incident. This time is calculated from the incident start time until all lanes are reopened.

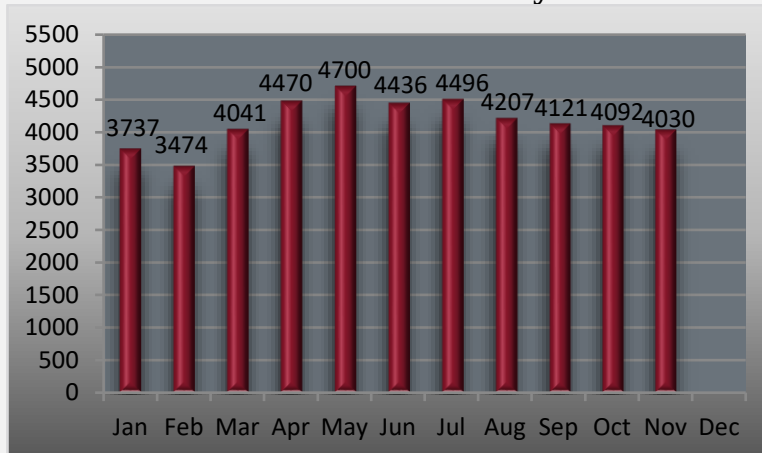
October '18 – 33 min.

November '18 – 35 min.

November '17 – 33 min.

Incident Summary Breakdown

2018 Total Incidents by Month



November Total Incidents

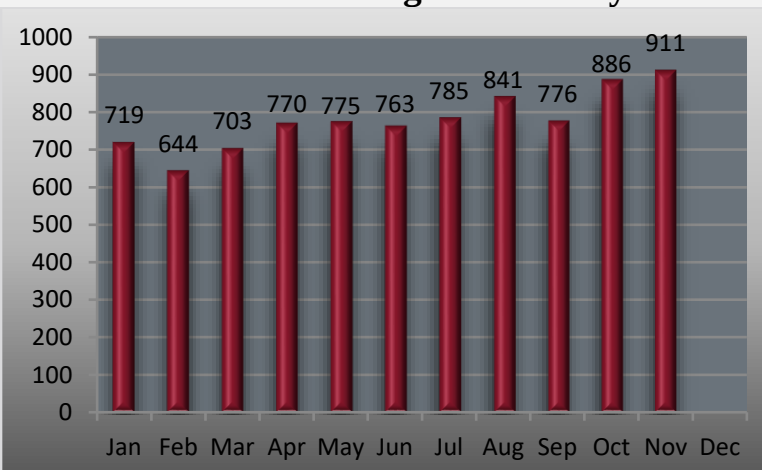
2018 – 4,030
 2017 – 3,329
 2016 – 2,872

November Total Incidents

2017 vs. 2018

↑ 21.1 %

2018 Lane Blocking Incidents by Month



November Lane Blocking Incidents

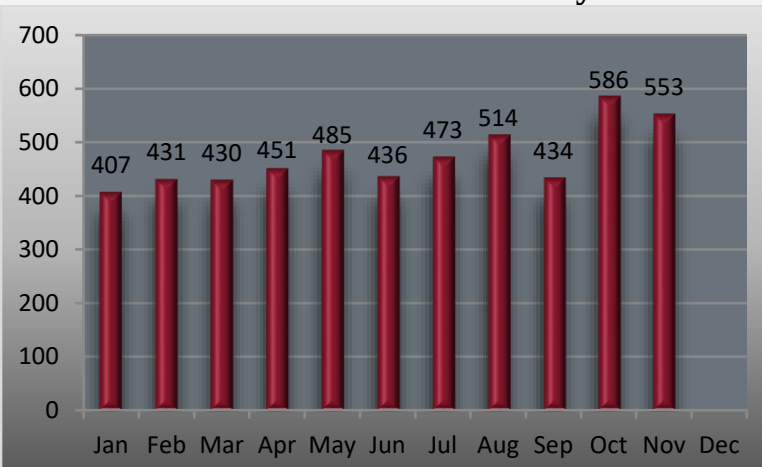
2018 – 911
 2017 – 608
 2016 – 623

November Lane Blocking Incidents

2017 vs. 2018

↑ 49.8 %

2018 Multi-Vehicle Incidents by Month



November Multi-Vehicle Incidents

2018 – 553
 2017 – 439
 2016 – 438

November Multi-Vehicle Incidents

2017 vs. 2018

↑ 26.0 %

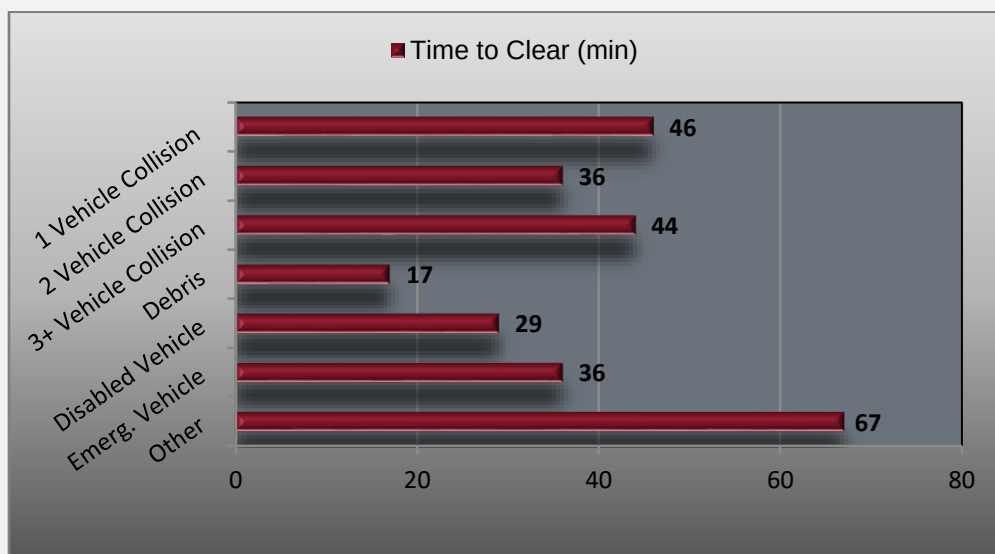
Incidents by Type

A breakdown by type of incident, sorted by number of incidents, percentage of total incidents logged and average length of incident.

Incident Type	Total	%	Avg. Duration (hr:min)
1 Vehicle Collision	359	9%	:53
2 Vehicle Collision	452	11%	:46
3+ Vehicle Collision	130	3%	:59
Debris	314	8%	:23
Disabled Vehicle	2284	57%	:31
Emergency Vehicles	200	5%	:34
Other	126	3%	2:06
Roadwork	165	4%	9:08

Time to Clear Lanes by Lane Blocking Incident Type

A breakdown of average clearance times for lane blocking incidents sorted by individual incident types.

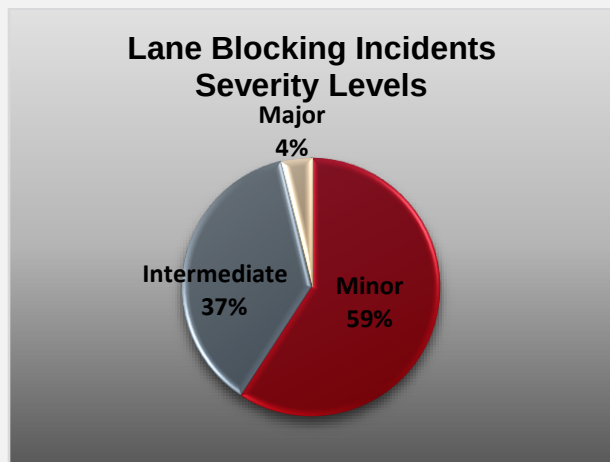


Type	Avg. Time to Clear	# of Incidents	% of All Incidents
1 Vehicle Collision	46 min	152	16.7%
2 Vehicle Collision	36 min	214	23.5%
3+ Vehicle Collision	44 min	84	9.2%
Debris	17 min	109	12.0%
Disabled Vehicle	29 min	260	28.5%
Emergency Vehicle	36 min	71	7.8%
Other	67 min	19	2.1%

Lane Blocking Incidents by Severity Level

Incidents sorted by severity level based on lane blockage and duration shown. (Roadwork excluded)

Minor	539
<i>Lane blocked less than 30 min</i>	
Intermediate	338
<i>Lane blocked 30 to 120 min</i>	
Major	34
<i>Lane blocked more than 120 min</i>	



November Level 3 Incidents

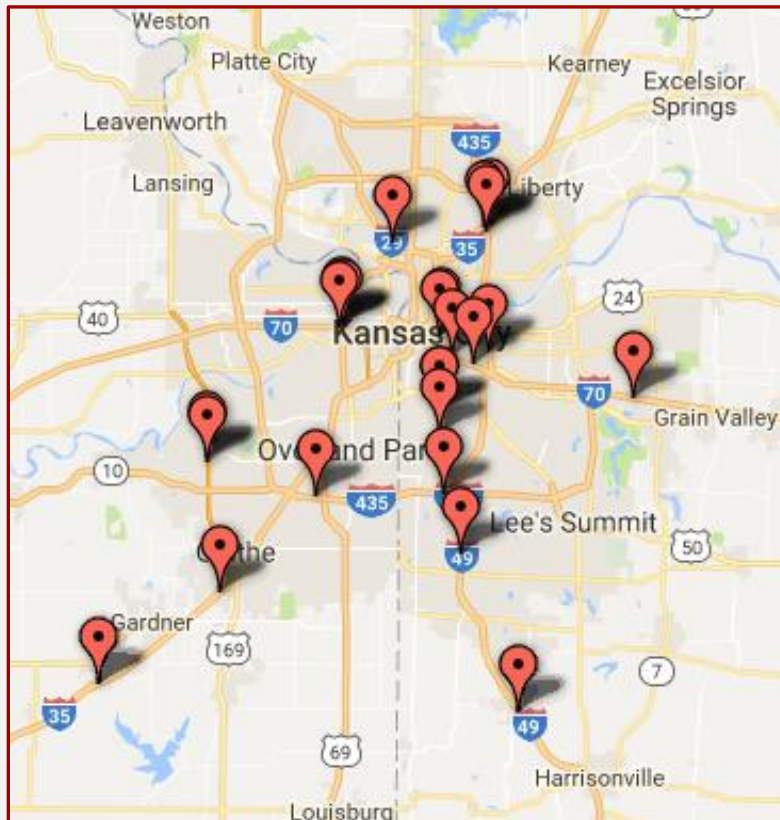
2018 – 34
 2017 – 27
 2016 – 22

Level 3 Incidents

November
 2017 vs. 2018
 ↑ 26 %

November 2018

Level 3 Incident Locations



Peak Period Incident Summary

A breakdown of incidents which occurred during peak periods (roadwork excluded). Incidents sorted by total number of incidents, incidents with lane blockage, multi-vehicle incidents and the percentages of these types compared with all incidents.

Peak period is defined as:

AM: 6:30 - 9:30

PM: 3:30 - 6:30

Type	AM Peak	PM Peak	Percentage occurring during Peak Periods
Total Incidents	696	797	37.0%
Incidents with lane blockage	181	170	35.9%
Multi-Vehicle Incidents	134	172	63.4%

Incident by State

A breakdown of incidents occurring by State. Incidents sorted by total number of incidents (including roadwork), incidents with lane blockage (roadwork excluded), average time to clear lane blocking incidents and total number of multi-vehicle incidents.

State	Total Incidents	Lane Blocking	Avg Time to Clear	Multi-Vehicle
Missouri	2,739	670	33 min	326
Kansas	1,047	241	44 min	229

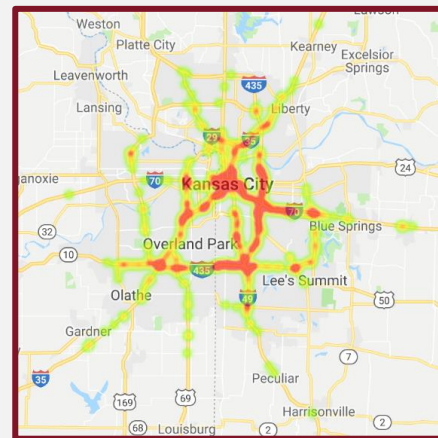
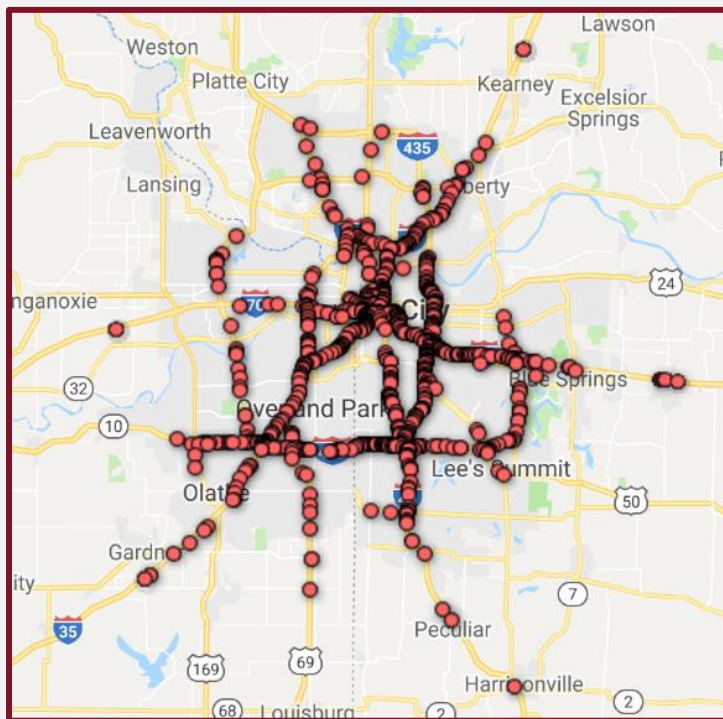
I-70 MO Rural Corridor

A breakdown of incidents along the I-70 Corridor in MO from Grain Valley (MM 24) to Wentzville (MM 210). Incidents sorted by total number of incidents (roadwork included), incidents with lane blockage (roadwork excluded), multi-vehicle incidents and the average incident duration for each type.

Type	Number of Incidents	Avg. Incident Duration
All Incidents	68	278 min.
Lane Blocking Incidents	27	129 min.
Multi-Vehicle Incidents	29	80 min.

Incident Locations

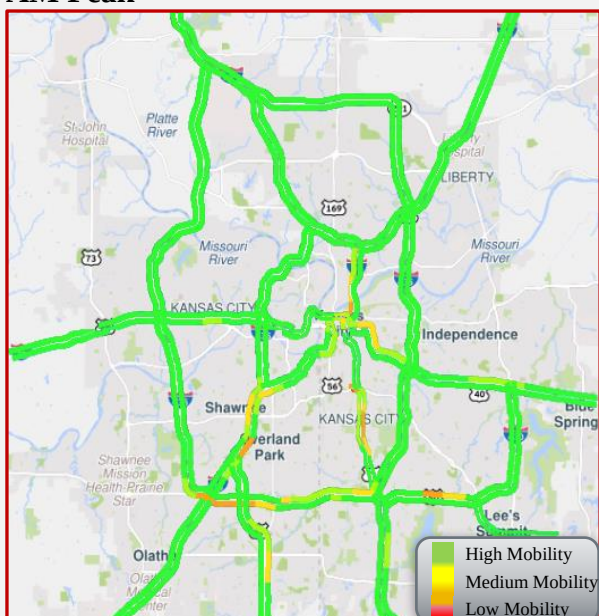
Below is a map displaying the locations of lane blocking incidents in November, along with a heat map depicting the “hot spot” locations with the highest incident occurrences. (Roadwork excluded)



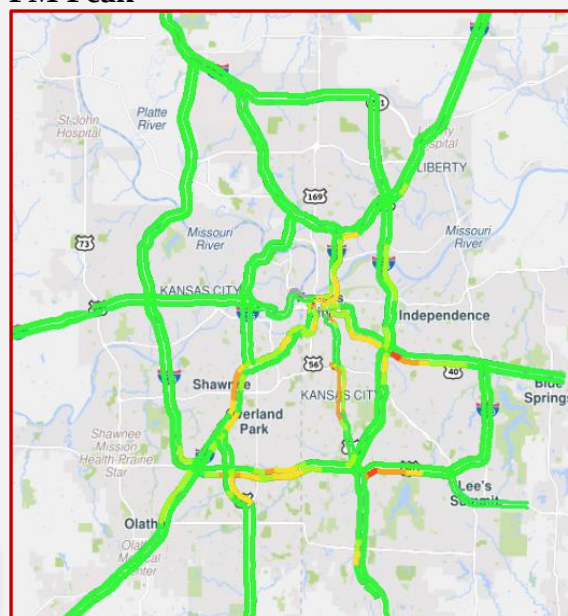
Mobility in the Metro

The maps below represent traffic mobility on selected freeway segments for both AM and PM peak travel times in November, through a color progression with green depicting the highest mobility and red depicting the lowest mobility.

AM Peak



PM Peak



Scout Tools

Using a variety of tools, the Kansas and Missouri Departments of Transportation jointly operate Scout to improve traffic flow on metro freeways. KC Scout cannot control traffic jams, but can detect and manage situations on its roads and provide real-time, up to the minute, traffic and roadwork information to travelers and local commuters.



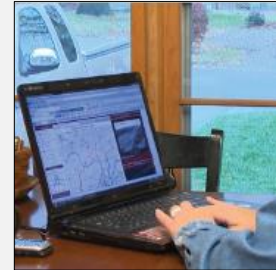
Dynamic Message Signs

Provide travel times, incident and traffic information for drivers.



Interactive Website

Let's users know before they go what's happening on metro freeways.



Twitter and Web Alerts

Share real-time traffic information with motorists.



Closed-Circuit Cameras

Monitor traffic, incidents and work zones.



Ramp Meters

Located at on-ramps to maximize the flow of traffic on interstates.



Traffic Incident Management

Provides quicker response and clearance times.