

KC Scout

Kansas City's Bi-State Transportation Management Center

Operations Report December 2018

This report contains statistical and operational data of activities at the Scout TMC for the period Saturday, December 1, 2018 to Monday, December 31, 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.

November '18 – 4,030

December '18 – 3,607

December '17 – 3,448

Incidents with Lane Blockage

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

November '18 – 911

December '18 – 714

December '17 – 705

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.

November '18 – 553

December '18 – 470

December '17 – 479

Total Minutes of Blocked Lanes

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

November '18 – 32,413

December '18 – 23,557

December '17 – 27,450

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.

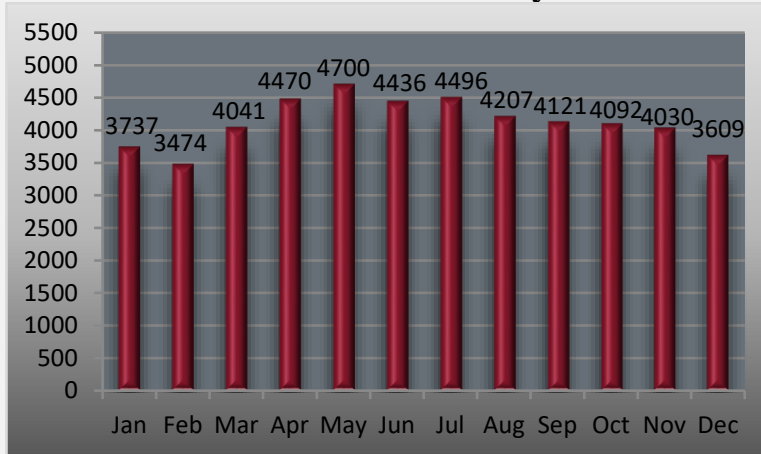
November '18 – 35 min.

December '18 – 33 min.

December '17 – 39 min.

Incident Summary Breakdown

2018 Total Incidents by Month



December Total Incidents

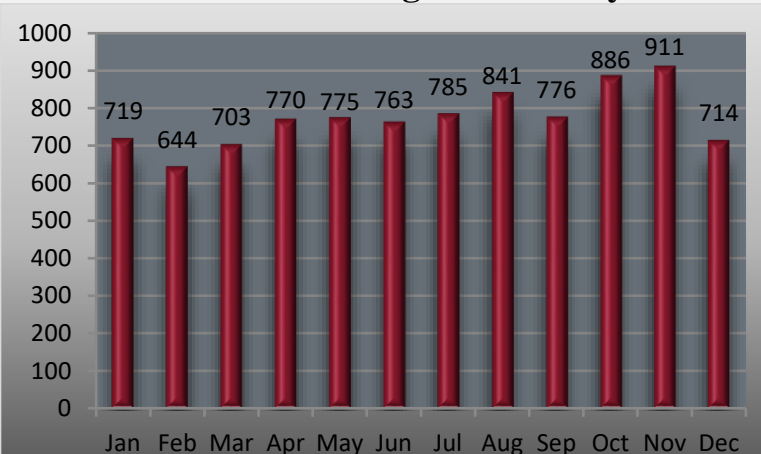
2018 – 3,607
 2017 – 3,448
 2016 – 3,194

December Total Incidents

2017 vs. 2018

↑ 4.7 %

2018 Lane Blocking Incidents by Month



December Lane Blocking Incidents

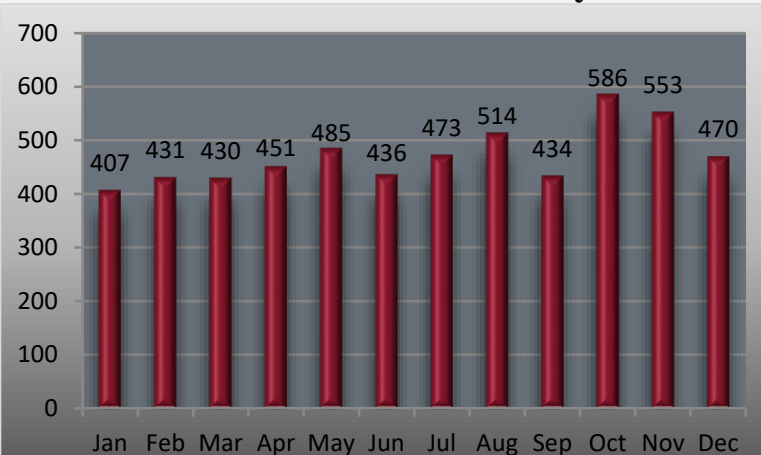
2018 – 714
 2017 – 705
 2016 – 703

December Lane Blocking Incidents

2017 vs. 2018

↑ 1.3 %

2018 Multi-Vehicle Incidents by Month



December Multi-Vehicle Incidents

2018 – 470
 2017 – 479
 2016 – 309

December Multi-Vehicle Incidents

2017 vs. 2018

↓ 1.9 %

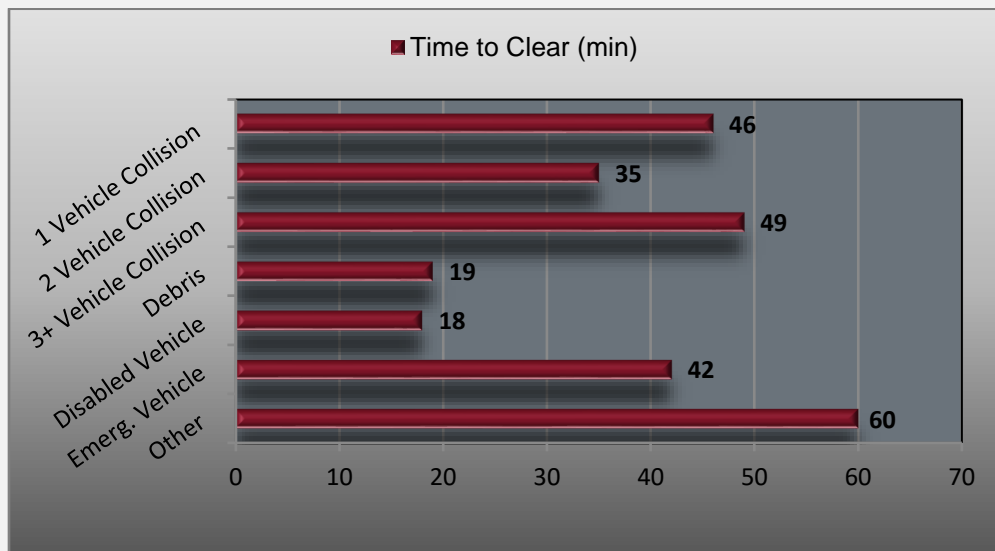
Incidents by Type

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	157	9%	:53
2 Vehicle Collision	385	11%	:46
3+ Vehicle Collision	85	3%	:59
Debris	299	8%	:23
Disabled Vehicle	2193	57%	:31
Emergency Vehicles	206	5%	:34
Other	112	3%	2:06
Roadwork	170	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.

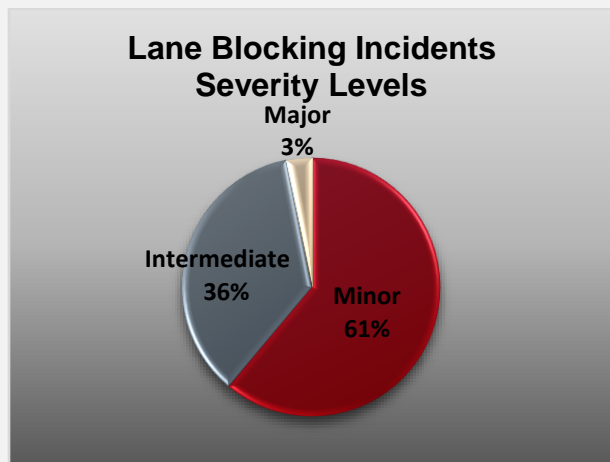


Type	Avg. Time to Clear	# of Incidents	% of All Incidents
1 Vehicle Collision	46 min	86	12.0%
2 Vehicle Collision	35 min	202	28.3%
3+ Vehicle Collision	49 min	60	8.4%
Debris	19 min	100	14.0%
Disabled Vehicle	18 min	165	23.1%
Emergency Vehicle	42 min	87	12.2%
Other	60 min	14	2.0%

Lane Blocking Incidents by Severity Level

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

Minor	436
<i>Lane blocked less than 30 min</i>	
Intermediate	256
<i>Lane blocked 30 to 120 min</i>	
Major	22
<i>Lane blocked more than 120 min</i>	



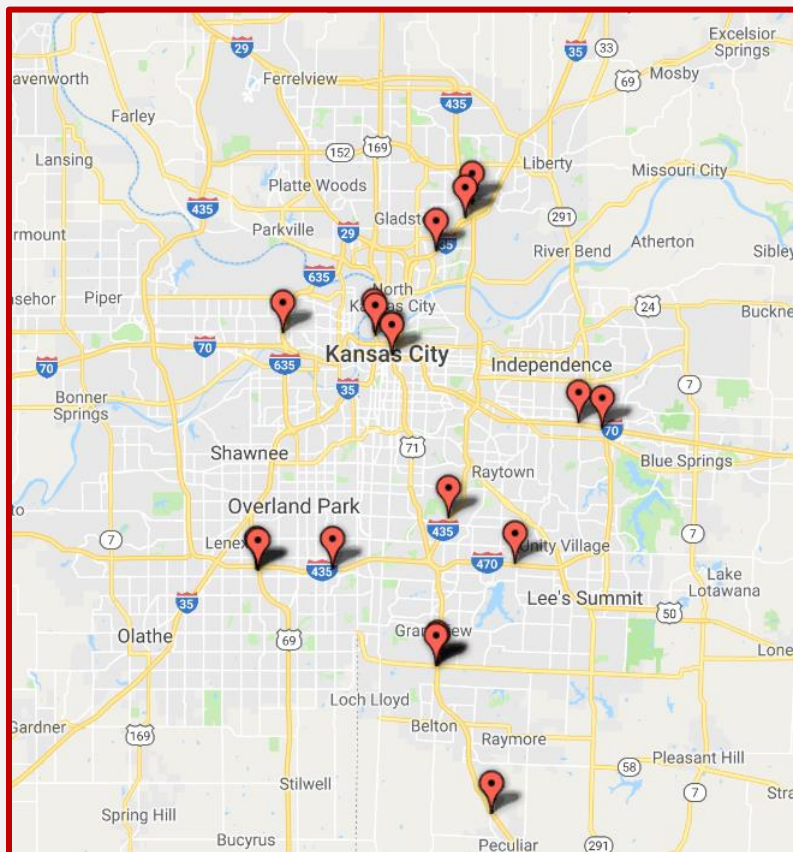
December Level 3 Incidents

2018 – 22
2017 – 32
2016 – 22

Level 3 Incidents December 2017 vs. 2018

↓ **31 %**

December 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	577	740	38.3%
Incidents with lane blockage	113	157	23.5%
Multi-Vehicle Incidents	78	161	50.9%

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	2,608	553	32 min	324
Kansas	999	161	35 min	146

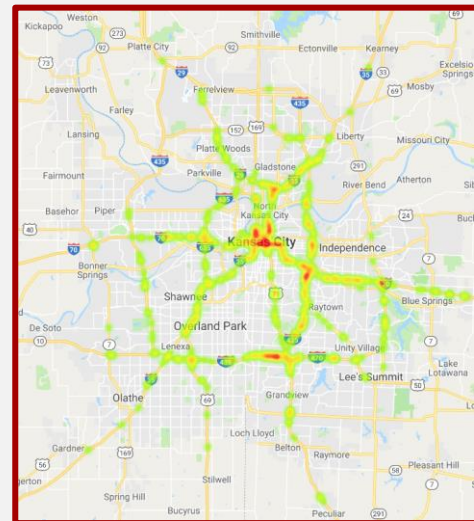
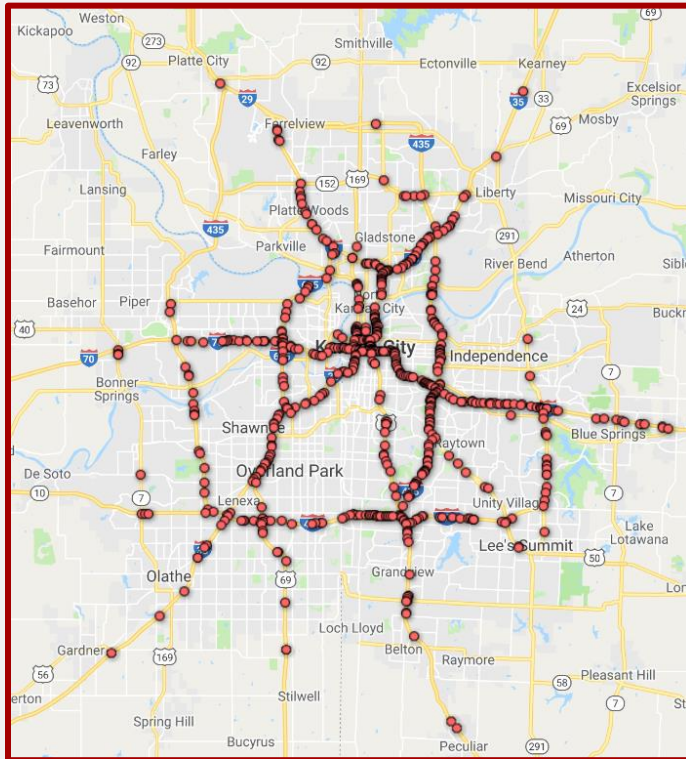
I-70 MO Rural Corridor

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	32	124 min.
Lane Blocking Incidents	25	113 min.
Multi-Vehicle Incidents	12	53 min.

Incident Locations

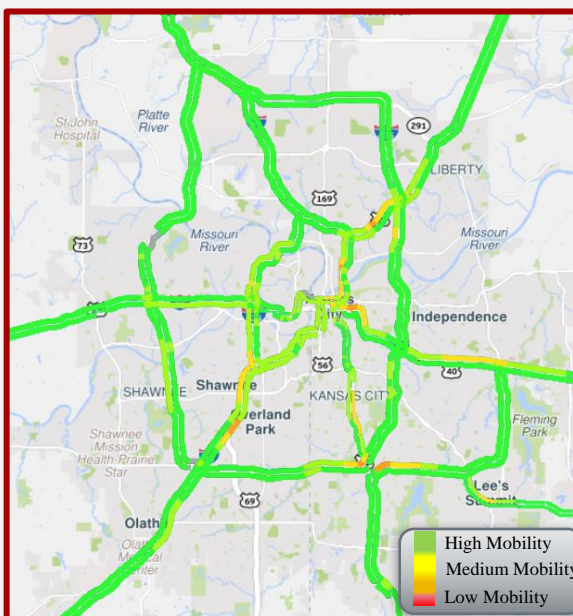
Below is a map displaying the locations of lane blocking incidents in December, along with a heat map depicting the "hot spot" locations with the highest incident occurrences. (Roadwork excluded)



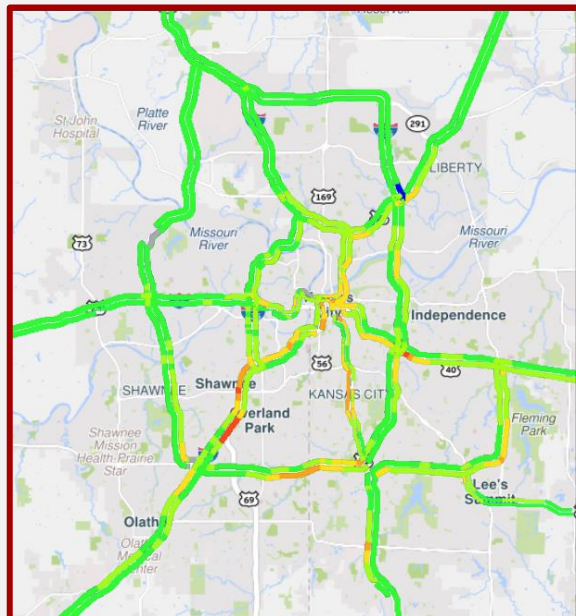
Mobility in the Metro

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

AM Peak



PM Peak



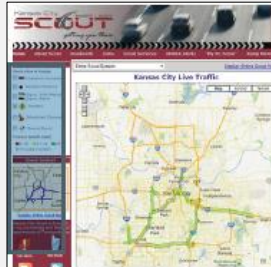
Scout Tools

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.



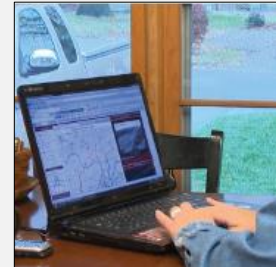
Dynamic Message Signs

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.