

# KC Scout

## Kansas City's Bi-State Transportation Management Center

### Operations Report January 2019

This report contains statistical and operational data of activities at the Scout TMC for the period Tuesday, January 1, 2019 to Thursday, January 31, 2019



### 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.*

December '18 – 3,607

**January '19 – 4,362**

January '18 – 3,735

#### Incidents with Lane Blockage

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

December '18 – 714

**January '19 – 840**

January '18 – 719

#### 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.*

December '18 – 470

**January '19 – 467**

January '18 – 407

#### Total Minutes of Blocked Lanes

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

December '18 – 23,557

**January '19 – 27,653**

January '18 – 25,219

#### 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.*

December '18 – 33 min.

**January '19 – 33 min.**

January '18 – 35 min.

## Incident Summary Breakdown

### 2019 Total Incidents by Month



#### January Total Incidents

2019 – 4,362

2018 – 3,735

2017 – 3,194

#### January Total Incidents

2018 vs. 2019

↑ **16.8 %**

### 2019 Lane Blocking Incidents by Month



#### January Lane Blocking Incidents

2019 – 840

2018 – 719

2017 – 703

#### January Lane Blocking Incidents

2018 vs. 2019

↑ **16.8 %**

### 2019 Multi-Vehicle Incidents by Month



#### January Multi-Vehicle Incidents

2019 – 467

2018 – 407

2017 – 309

#### January Multi-Vehicle Incidents

2018 vs. 2019

↑ **14.7 %**



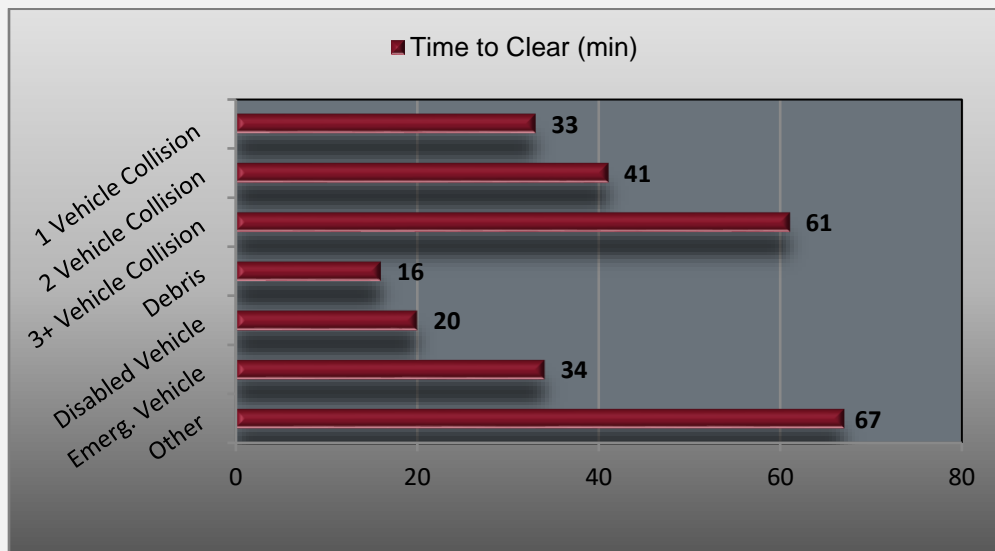
### Incidents by Type

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	332	7.6%	:42
2 Vehicle Collision	381	8.7%	:45
3+ Vehicle Collision	100	2.3%	1:08
Debris	294	6.7%	:21
Disabled Vehicle	2689	61.6%	:30
Emergency Vehicles	242	5.5%	:28
Other	141	3.2%	4:27
Roadwork	182	4.2%	3:30

### Time to Clear Lanes by Lane Blocking Incident Type

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

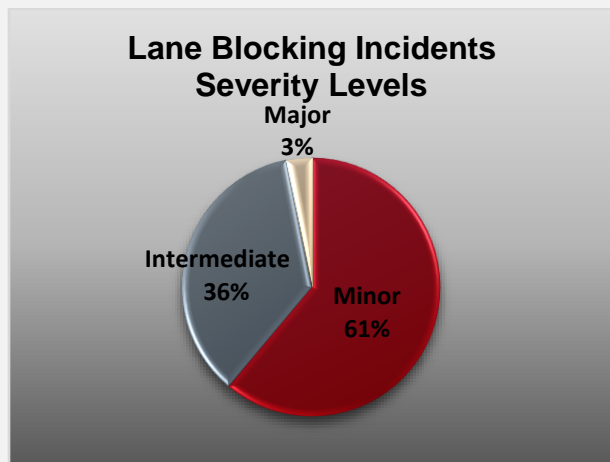


Type	Avg. Time to Clear	# of Incidents	% of All Incidents
1 Vehicle Collision	33 min	163	19.4%
2 Vehicle Collision	41 min	212	25.2%
3+ Vehicle Collision	61 min	76	9.0%
Debris	16 min	95	11.3%
Disabled Vehicle	20 min	199	23.7%
Emergency Vehicle	34 min	86	10.2%
Other	67 min	9	1.1%

## Lane Blocking Incidents by Severity Level

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

<b>Minor</b>	<b>514</b>
<i>Lane blocked less than 30 min</i>	
<b>Intermediate</b>	<b>299</b>
<i>Lane blocked 30 to 120 min</i>	
<b>Major</b>	<b>27</b>
<i>Lane blocked more than 120 min</i>	



### January Level 3 Incidents

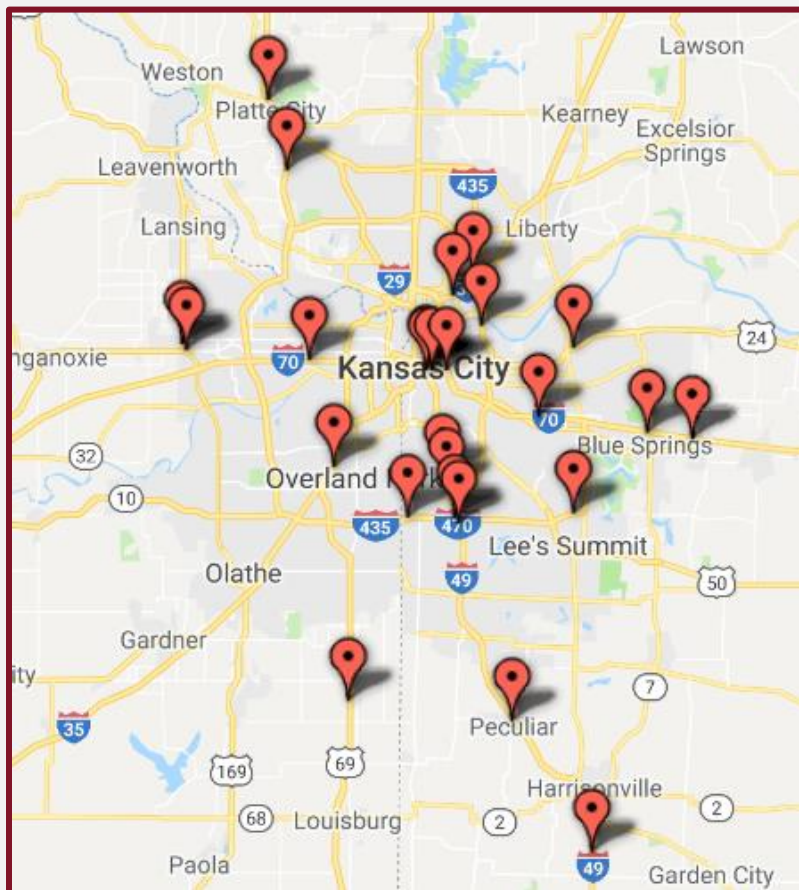
2019 – 27  
2018 – 23  
2017 – 32

### Level 3 Incidents

January  
2018 vs. 2019  
↑ 17 %

## January 2019

### 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	809	734	38.3%
Incidents with lane blockage	174	152	23.5%
Multi-Vehicle Incidents	110	123	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	3,048	618	31 min	284
Kansas	1,314	222	38 min	183

### **I-70 MO Rural Corridor**

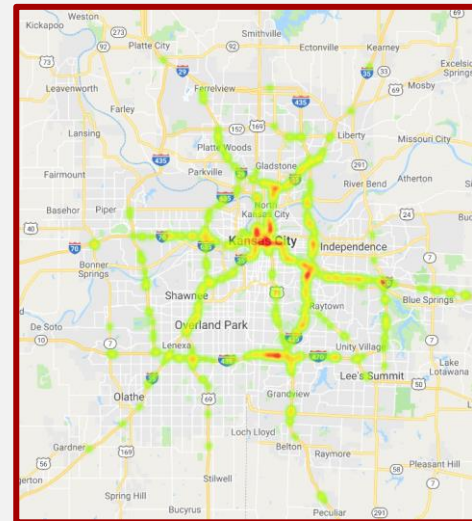
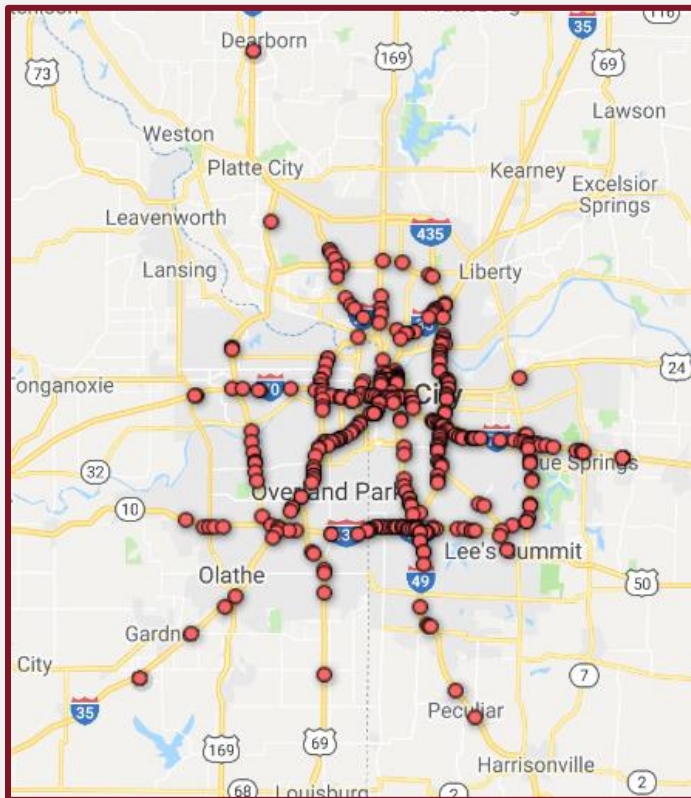
A breakdown of incidents along the I-70 Corridor in MO from Grain Valley (MM 24) to Wentzville (MM 210). Incidents sorted by total number of incidents (roadwork included), incidents with lane blockage (roadwork excluded), multi-vehicle incidents and the average incident duration for each type.

Type	Number of Incidents	Avg. Incident Duration
All Incidents	37	234 min.
Lane Blocking Incidents	26	74 min.
Multi-Vehicle Incidents	13	68 min.



## Incident Locations

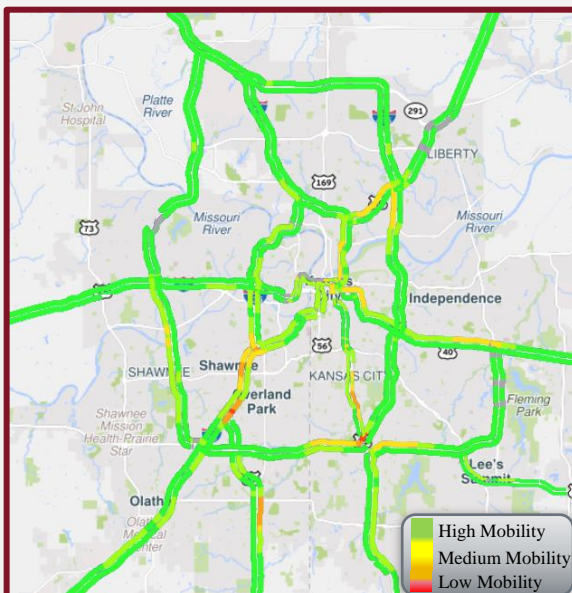
Below is a map displaying the locations of lane blocking incidents in January, along with a heat map depicting the "hot spot" locations with the highest incident occurrences. (Roadwork excluded)



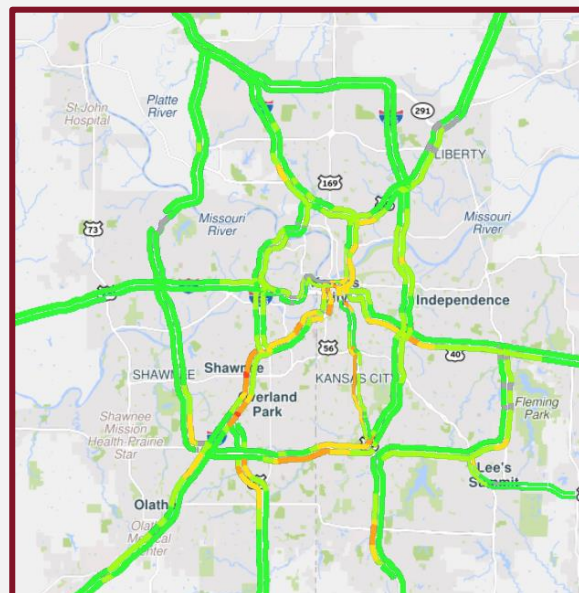
## Mobility in the Metro

The maps below represent traffic mobility on selected freeway segments for both AM and PM peak travel times in January, 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.



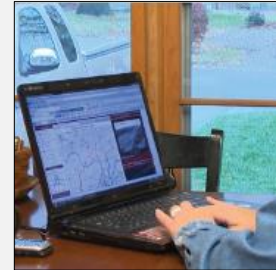
### Dynamic Message Signs

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.