

# KC Scout

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

### Operations Report February 2019



This report contains statistical and operational data of activities at the Scout TMC for the period Friday, February 1, 2019 to Thursday, February 28, 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.*

January '19 – 4,362

**February '19 – 4,573**

February '18 – 3,474

#### Incidents with Lane Blockage

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

January '19 – 840

**February '19 – 999**

February '18 – 664

#### 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.*

January '19 – 467

**February '19 – 521**

February '18 – 431

#### Total Minutes of Blocked Lanes

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

January '19 – 27,653

**February '19 – 34,068**

February '18 – 24,136

#### 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.*

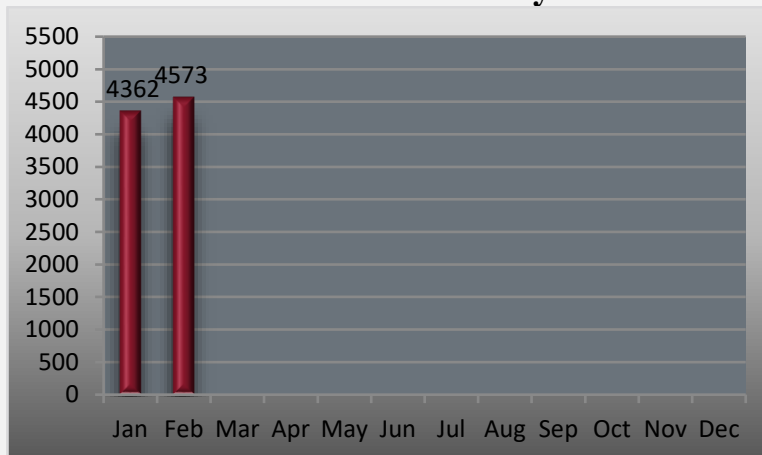
January '19 – 33 min.

**February '19 – 34 min.**

February '18 – 34 min.

## Incident Summary Breakdown

### 2019 Total Incidents by Month



#### February Total Incidents

2019 – 4,573

2018 – 3,474

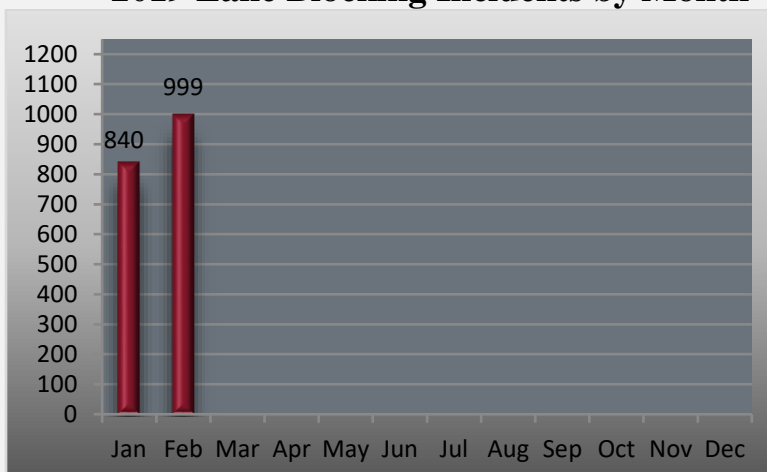
2017 – 2,656

#### February Total Incidents

2018 vs. 2019

↑ **31.6 %**

### 2019 Lane Blocking Incidents by Month



#### February Lane Blocking Incidents

2019 – 999

2018 – 664

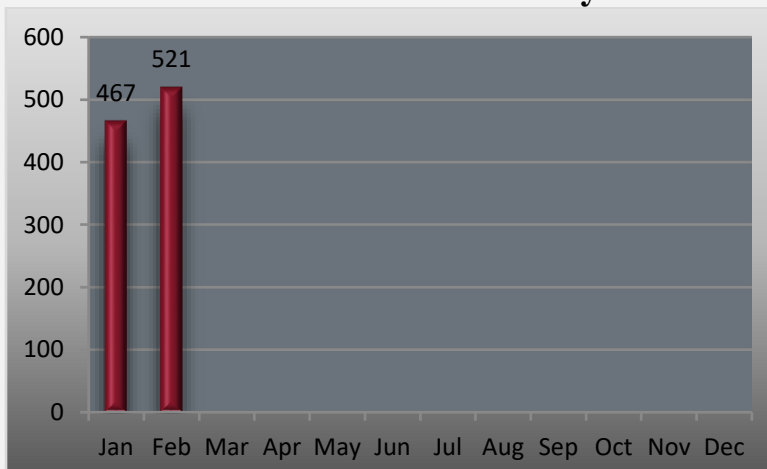
2017 – 535

#### February Lane Blocking Incidents

2018 vs. 2019

↑ **50.5 %**

### 2019 Multi-Vehicle Incidents by Month



#### February Multi-Vehicle Incidents

2019 – 521

2018 – 431

2017 – 327

#### February Multi-Vehicle Incidents

2018 vs. 2019

↑ **20.9 %**



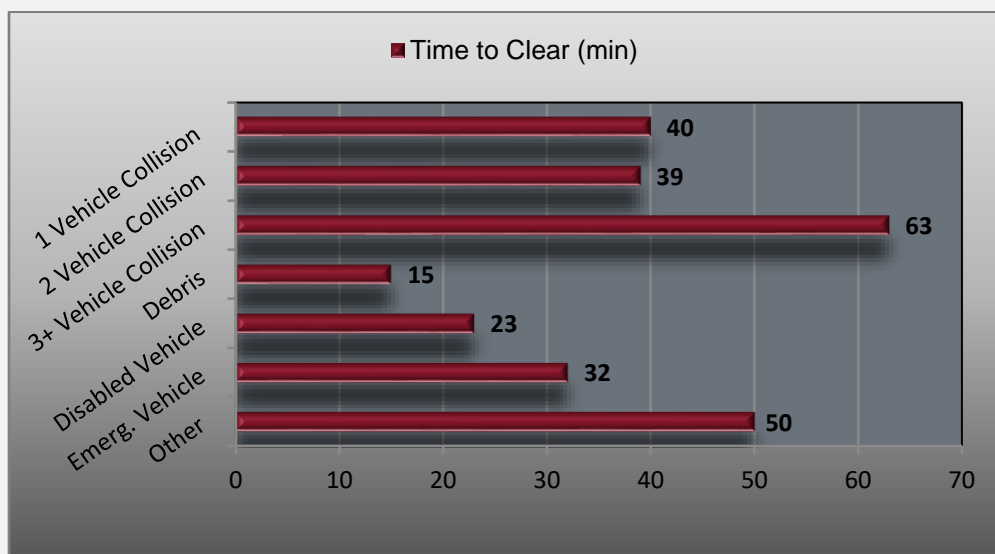
### Incidents by Type

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	476	10.4%	:47
2 Vehicle Collision	409	8.9%	:45
3+ Vehicle Collision	112	2.4%	1:12
Debris	246	5.4%	:19
Disabled Vehicle	2707	59.2%	:30
Emergency Vehicles	271	5.9%	:28
Other	191	4.2%	4:15
Roadwork	161	3.5%	2:30

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

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

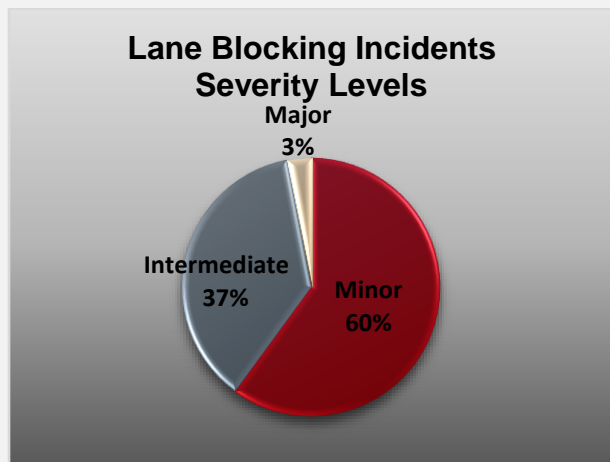


Type	Avg. Time to Clear	# of Incidents	% of All Incidents
1 Vehicle Collision	40 min	207	20.7%
2 Vehicle Collision	39 min	239	23.9%
3+ Vehicle Collision	63 min	83	8.3%
Debris	15 min	78	7.8%
Disabled Vehicle	23 min	271	27.1%
Emergency Vehicle	32 min	106	10.6%
Other	50 min	16	1.6%

### Lane Blocking Incidents by Severity Level

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

<b>Minor</b>	<b>596</b>
<i>Lane blocked less than 30 min</i>	
<b>Intermediate</b>	<b>373</b>
<i>Lane blocked 30 to 120 min</i>	
<b>Major</b>	<b>30</b>
<i>Lane blocked more than 120 min</i>	



#### February Level 3 Incidents

2019 – 30  
 2018 – 23  
 2017 – 15

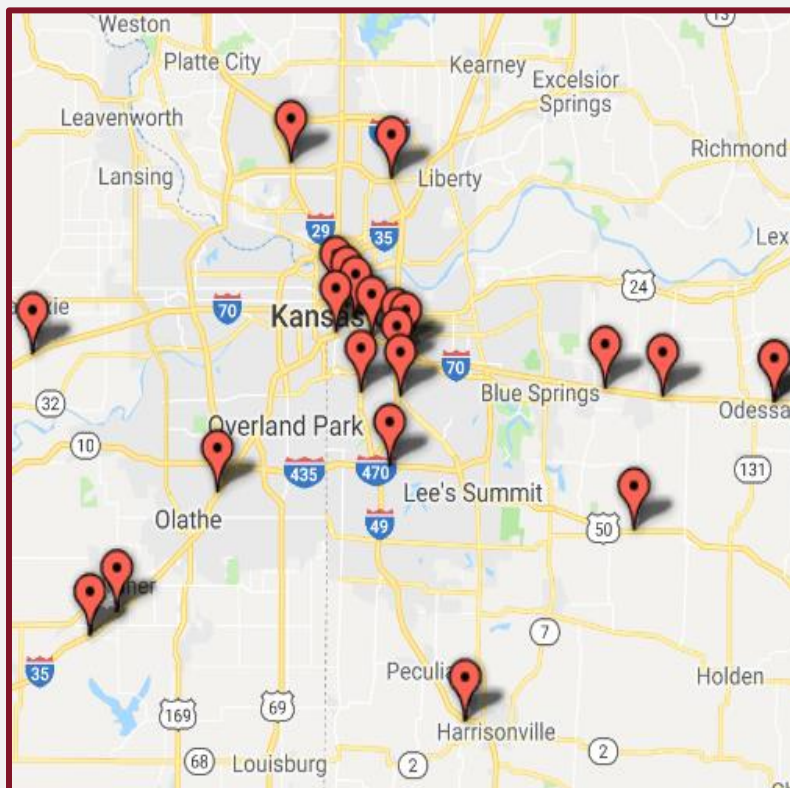
#### Level 3 Incidents

February  
 2018 vs. 2019

↑ **30 %**

### February 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	814	734	37.1%
Incidents with lane blockage	200	179	37.9%
Multi-Vehicle Incidents	115	121	45.3%

### **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	3,092	727	33 min	318
Kansas	1,418	272	37 min	203

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

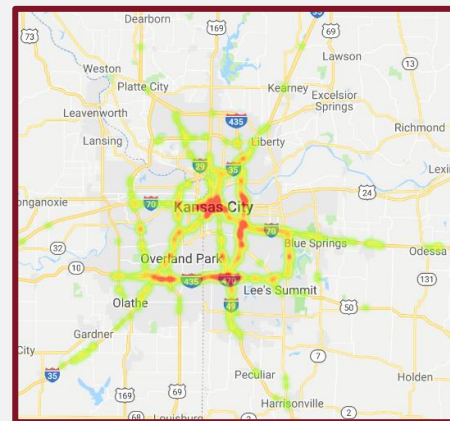
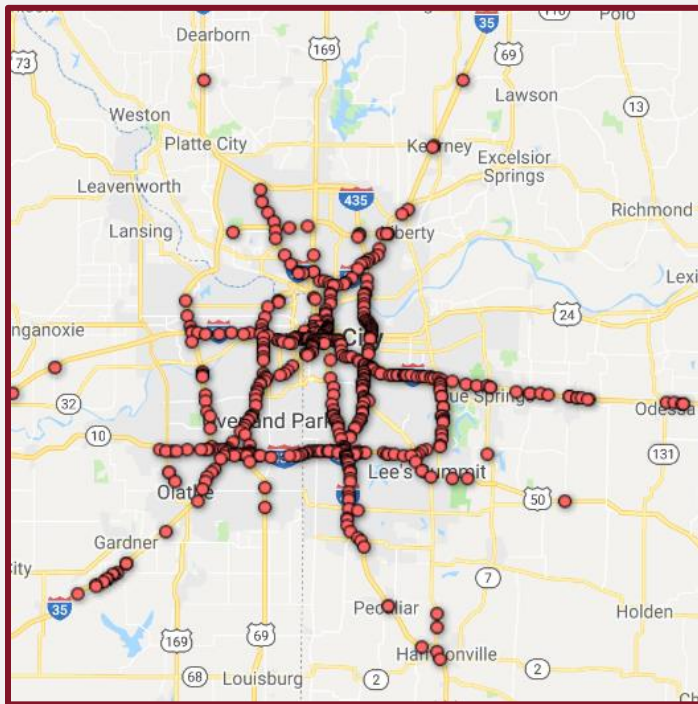
A breakdown of incidents along the I-70 Corridor in MO from Grain Valley (MM 24) to Wentzville (MM 210). Incidents sorted by total number of incidents (roadwork included), incidents with lane blockage (roadwork excluded), multi-vehicle incidents and the average incident duration for each type.

Type	Number of Incidents	Avg. Incident Duration
All Incidents	55	130 min.
Lane Blocking Incidents	38	76 min.
Multi-Vehicle Incidents	18	105 min.



## Incident Locations

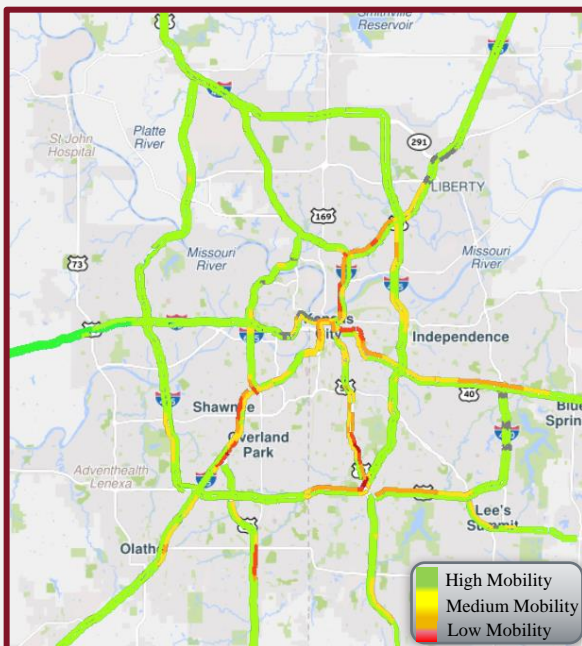
Below is a map displaying the locations of lane blocking incidents in February, along with a heat map depicting the “hot spot” locations with the highest incident occurrences. (Roadwork excluded)



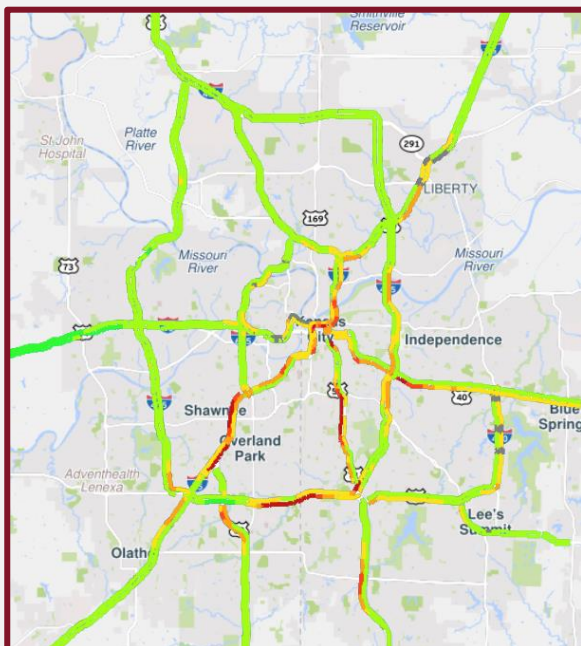
## Mobility in the Metro

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



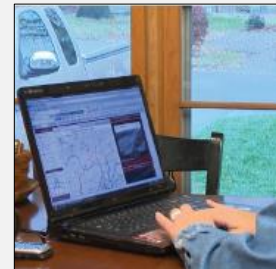
### **Dynamic Message Signs**

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.