# Kansas City Moort + Koort Annual Report getting you there

2014

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"Diminished funding for transportation is driving the need to utilize performancebased measurements to deliver optimal results from existing ITS infrastructure and ensure that future expenditures are based on moving Scout forward in an age of rapid technological change."

Kandy , opreso

Randy Johnson, TMC Manager

When incidents happen in the Metro, motorists can count on Scout to be there.

# Serving the Metro

# Scout focuses on getting Metro Kansas City drivers where they want to go smoothly and safely.

Launched in 2004, the Missouri and Kansas Departments of Transportation jointly run the program and partner with fire and police departments, local media and you—to keep our roads safe and drivers on the move.

Scout is responsible for managing over 300 miles of highway in the Kansas City Metro. We do it with sensors and video cameras from our Lee's Summit Traffic Management Center (TMC). When slowdowns, incidents, and severe weather occurs, our operators send alerts, contact Emergency Response Operators, and call emergency partners if needed. We also use our freeway message signs to describe the trouble on the highway.

Together, we strive to manage traffic in a way that:

- Improves emergency response to traffic situations.
- Lessens traffic jams by improving rush-hour speeds.
- Increases safety by decreasing the number of rush-hour incidents.

#### Scout Operations "At a Glance" (2014)

Number of benefits received for every dollar spent on Scout (8:1 Benefit/Cost ratio)	8
Number of incidents managed by Scout	28,088
Number of incidents managed by Scout with lane blockage	5,767
Number of minutes on average that it takes to clear all lanes of traffic following incidents	36
Number of incidents cleared in less than 30 minutes	3,425
Number of incidents detected by Scout TMC Operators and Emergency Response	16,484
Number of customers assisted by Emergency Response (Missouri)	17,495
Number of subscribers to "My KC SCOUT" personalized web alerts	6,912
Number of visits to www.kcscout.net from new unique web visitors 3	389, 245

#### Our 2014 Annual

Report summarizes the congestion and incident information that we have collected over the course of the year, along with data about the type of assistance provided to motorists, how our tools functioned, and the benefits of investing in the Scout program.

# **Incident Summary**

Scout monitors the Metro's freeways for traffic incidents as part of our Traffic Incident Management Program. We define an incident as any event on the roadway which affects or can affect normal traffic flow. Examples include vehicle collisions, stalled vehicles on shoulders, debris in the roadway, and roadwork projects.



## Total Incidents by Month (2014 vs 2013)

# Secondary Incidents

# The total number of secondary incidents decreased 42.3% in 2014.

Number of Secondary Incidents	2014
(2014 vs 2013)	2013

Secondary incidents occur because of a previous and on-going incident on the roadway. They happen within the initial incident scene or within the back-up of the initial incident, even if it is in the opposite roadway direction. Scout's efficient Traffic Incident Management Program with Emergency Response Operators helps improve safety, provides better traffic control, and reduces the time needed to clear secondary, lane-blocking incidents.

# The total number of incidents on our highways increased by10.9% in 2014 to 28,088.

In 2014 there were 28,088 incidents, which is a 10.9% increase when compared to the 25,333 that happened in 2013. The highest number of incidents in 2013 and 2014 took place in July. An average of 76.9 incidents happened each day. Most of them occurred during the work week (Monday through Friday).

### Total Incidents by Day of Week (2014 vs 2013)



Percent of Total Incidents by Day of Week (2014)

> An average of 76.9 incidents each day

0

**Top 10** 613 Nov. 9th - 15th **Busiest** Jun 15th – 21st 610 Incident 607 Nov 16th - 22nd Weeks Nov. 30th – Dec 6th 598 (2014) Nov. 2nd – 8th 595 Aug. 24th – 30th 589 Sep. 28th – Oct 4th 589 Aug 31st – Sep 6th 587 Oct. 26th – Nov 1st 582 Sep. 7th - 13th 581

# Incidents

# **Rush-Hour Incidents**

**33.9%** of all incidents occurred during the morning and afternoon rush hours.

There were a total of 28,021 rush-hour incidents in 2014, which is an increase of 10.7% when compared to the 25,302 that occurred during the previous year. In 2014 lane-blocking incidents accounted for 34.2% of rush-hour incidents; 49.2% involved multiple vehicles.

### Percentage of Rush-Hour Incidents by Type (2014)



## **Rush-Hour Incident Summary (2014)**



# Lane-Blocking Incidents

There were a total of **5,767** lane-blocking incidents in 2014. The total number of lane-blocking incidents in 2014, excluding those of less than 3 minutes, showed an increase of 8.4% over the 5,321 recorded in 2013. The highest number of lane-blocking incidents in 2014 happened in October. An average of 15.8 lane-blocking incidents happened each day. Most occurred during the work week (Monday through Friday).

## Lane-Blocking Incidents by Month (2014 vs 2013)



## Percentage of Lane-Blocking Incidents by Day of Week (2014)



# Lane-Blocking Incidents by Day of Week (2014 vs 2013)



# Average Clearance

The average time to clear lanes for all lane-blocking incidents in 2014 was 36 minutes. The average time for all lanes to be cleared from an incident, excluding those of less than 3 minutes, is calculated from the incident start time until all lanes are reopened. The calculation is done the same way when sorting incident clearance by time of day.



#### Number of Incidents and Average Time to Clear Lanes by Time of Day (2014)



Mid-day (9:30 AM to 3:30 PM) experiences the highest percentage of lane-blocking incidents at 23.2% but also sees one of the quickest clearance times at 30 minutes.

Scout strives to clear incidents in less than 30 minutes.

# **Incident Severity**

Only 3.8% of incidents are categorized as Level 3, which means that the lane was blocked for more than 120 minutes. Scout sorts lane-blocking incidents by severity level based on lane blockage and duration. Incidents that lasted less than 3 minutes and construction are excluded.





"Partnership among all disciplines of the Emergency Response Community is critical in providing successful Traffic Incident Management."

Jeffrey J. Gardner, Incident Management Coordinator

#### Level 3 Incident Locations (2014)

# Types of Incidents

61.9% of the incidents in 2014 were related to stalled vehicles.

There are various types of incidents that involved stalled vehicles, collisions, debris, construction, or something else.



# **Detection Methods**

**Emergency Response** operators detected 47.2%

With the help of a variety of tools, personnel and partnerships, Scout is able to detect incidents happening on the highway.



# Emergency Response operators work together with other on-scene responders to detect incidents and make clearance happen quickly.

"I can't explain to you how much I appreciate how you and the roadside service tech helped my daughter last night. [At] About 11pm my daughter and my 6 month old grandson blew a tire on east bound 435 just before the Grandview Triangle. She called me to come help assist her. Before I could even get in the car to get to her, she called and said that roadside service was already on the scene. WOW! Unfortunately, I did not get the tech's name, but he did tell me that the Scout cameras saw her and dispatched him. He was very nice and professional and quick to get the tire changed and get her back on the road. Luckily traffic was fairly light, being so late in the evening, but just knowing that he was there with her while I was on the way put me at a great relief. So I wanted to let ALL of you know how much I appreciate your service and the jobs that you do. Thank you so much"

Stephen Kroll

Kansas City



# Multi-Vehicle Incidents

There were a total of **3,525** multi-vehicle incidents recorded in 2014. The total number of multi-vehicle incidents in 2014 showed an increase of 11.0% when compared to the 3,175 that happened in 2013. Most happened in October.

# Multi-Vehicle Incidents by Month (2014 vs 2013)



### Percent of Multi-Vehicle Incidents by Day of Week (2014)



Total Multi-Vehicle Incidents by Day of Week (2014 vs 2013)





42.9% of multi-vehicle incidents can be categorized as Level 1, which means that the lane was blocked for less than 30 minutes.

Scout also sorts multi-vehicle incidents by severity level based on lane blockage and duration. Incidents that last less than 3 minutes and construction are excluded. On average, 61.5% of multi-vehicle incidents result in lane blockages while 2.7% of incidents involve 3 or more vehicles.

Level 1 42.9





lane blocked <30min

lane blocked 30-120min

lane blocked >120min

# **Rush-Hour Incident Summary (2014)**



49.3% of multi-vehicle incidents occurred during the morning and afternoon rush-hours.



AM Rush Mid-Day

PM Rush 6:30 - 9:30 AM 9:30AM - 3:30 PM 3:30 - 6:30 PM 6:30PM - 12:00 AM 12:00 - 6:30 AM

24 Hours

# **Multi-Vehicle Incident Locations**

# Incidents can happen along routes and at cross-streets.

To improve safety, Scout and partners manage multi-vehicle incidents on eight routes: I-435, I-35, I-49, I-70, I-470, I-635, I-29, and I-670. Information about the incidents that happened along these routes during 2014 is organized by number of incidents and direction. The heat map shows the locations of multivehicle incidents in 2014 through a color progression that depicts the variances in the number of incidents per location. The color progression goes from green to red with green depicting the lowest number of incidents and red showing the highest rate of incidents for a given location.



### Top Multi-Vehicle Incident Locations by Route (2014)



## Top 25 Cross-Street Locations for Multi-Vehicle Incidents (2014)

and [a] Scout guy helped change my tire. I just wanted to pass on [to you that] he was very professional and helpful. I didn't get his name, but tell him thanks again for me."



# **Top Multi-Vehicle Incident Routes**



I-435 had the highest number of multi-vehicle incidents with a total of 826 in 2014

24

Westbound Incidents 222 Eastbound Incidents 183 Southbound Incidents 226 Northbound Incidents 195

# Cross-Street Locations with the Top Number of Multi-Vehicle Incidents

### I-435 West





#### I-435 South

Past I-70				21
Past 23rd St		13		
Before I-70		13		
To I-70 EB	8			
Past 210 Hwy	8			
Before Front St	8			
At I-70	8			

## I-435 North





## Rate of Incidents





I-35 had the second highest number of multi-vehicle incidents with a total of 824 in 2014 Southbound Incidents 423 Northbound Incidents 401

# Cross-Street Locations with the Top Number of Multi-Vehicle Incidents

#### I-35 South



## I-35 North





#### **Rate of Incidents**

1		
Lowest		

Highest



I-70 had a total of **635** multi-vehicle incidents in 2014. Westbound Incidents 308 Eastbound Incidents 327



## Rate of Incidents



# Cross-Street Locations with the Top Number of Multi-Vehicle Incidents

#### I-70 West



## I-70 East





I-470 had a total of **202** multi-vehicle incidents in 2014. Westbound Incidents 113 Eastbound Incidents 89

### Cross-Street Locations with the Top Number of Multi-Vehicle Incidents







# I-49 had a total of **107** multi-vehicle incidents in 2014.



#### **Rate of Incidents**

Lowest Highest





At I-70





# I-635 had a total of **97** multi-vehicle incidents in 2014.

Southbound Incidents 53 Northbound Incidents 44





# I-29 had a total of **93** multi-vehicle incidents in 2014.

Southbound Incidents 36 Northbound Incidents 57



Lowest

Highest

## Rate of Incidents



## Cross-Street Locations with the Top Number of Multi-Vehicle Incidents



6

To I-35

Past State Ave

# I-635 North



4 Before Metropolitan

# Cross-Street Locations with the Top Number of Multi-Vehicle Incidents



I-670 had a total of **70** multi-vehicle incidents in 2014. Westbound Incidents 22 Eastbound Incidents 48



## Rate of Incidents

Lowest

Highest

# Cross-Street Locations with the Top Number of Multi-Vehicle Incidents

I-670 West Past 5





Past 7<sup>th</sup> St. **"I just wa**l

"I just wanted to say thank you to Tim Hall who helped me out when I was stuck on the side of the road today. He was so polite and kind and went out of his way to make sure I could get back on the road. Thank you SO much, Sir! You are truly a blessing in disguise!"

Kirby Hurst

Kansas City

# 20 Scout is Both Rural and

Along with the KC Metro Area, Scout manages incidents that happen on Missouri's I-70, I-29 and I-35 rural corridors, as well as the Kansas I-70 corridor to the Colorado border. The map and data is shown for Missouri's I-70 Rural Corridor.

Metrics similar to those presented here are not calculated for the other rural corridors due to a smaller set of data.

#### Lane-Blocking Incident Locations Along the I-70 Missouri Rural Corridor (2014)



There were a total of 210 lane-blocking incidents in the Missouri I-70 rural corridor during 2014 and the average clearance time was 84 minutes.

There were 140 multivehicle incidents in the **Missouri I-70 rural corridor** during 2014 and the average clearance time was 80 minutes.

**Incidents** along the I-70 Missouri **Rural Corridor and** Average Clearance Time (2014)



	210	84 min
Dec	7	53 min
Nov	23	30 min
Oct	18	106 min
Sept	21	146 min
Aug	11	109 min
Jul	14	46 min
Jun	16	77 min
May	13	60 min
Apr	16	71 min
Mar	20	99 min
Feb	24	111 min
Jan	27	101 min
	Incidents	Lanes
	of Lane Blocking	Time to
	Number	Average





# Types of Incidents

**38%** of the incidents along the Missouri I-70 rural corridor in 2014 were related to roadwork. There are various types of incidents that involved stalled vehicles, collisions, debris, construction, or something else.



# Emergency Response

The total number of motorist assists increased by 9.2% from 17,495 assists in 2013 to 19,408 in 2014. Emergency Response operators patrol the Metro in search of vehicles that appear to be in trouble. They also support law enforcement, emergency responders and other emergency agencies by providing traffic control and back-up for incidents.



Their goals are to:

- Minimize major disruptions of traffic flow.
- Focus on the factors that create disruptions in the flow and remove them.
- Relieve congestion and maintain consistent traffic flow during an incident.
- Reduce clearance times for incidents.

"[My car was broken down] on 435 around state line and one of your Emergency Response guys helped me. He went above and beyond, let me tell you, to make sure I was safe and waited for my tow to arrive. These guys rock."

Angela Simmons

Kansas City

	1	2	3	4	5
Jan	452	321	138	349	351
Feb	368	290	113	317	262
Mar	412	349	150	318	300
Apr	357	277	115	266	257
May	476	441	153	371	418
Jun	473	444	160	353	346
Jul	488	479	165	405	391
Aug	424	398	156	370	341
Sep	435	372	146	387	354
Oct	412	376	129	371	348
Nov	316	337	139	277	254
Dec	453	413	175	369	331
	5,066	4,497	1,739	4,153	3,953

#### Number of Assists by Zone and Month (2014)

Total



# How Missouri Emergency Response Helps

# **Types of Services**

**Operators provided** traffic control for 39% of the assists in 2014. The average response time was 6.4 minutes.

In addition to the total number of motorist assists, we have collected data on the type and duration of assists that Missouri Emergency Response operators have performed. We also have information on the severity and duration of lane-blocking incidents for which operators provided traffic control. The information is shown in the graphs and tables that follow.

Number of Missouri Emergency Responses by Type and Month (2014)	Transport Motorist	Lost Motorist	Check Motorist	Tire Assist	Fuel Dispensed	Jump-Start	Mechanical	Push Procedure	Traffic Control	Total
Jan	35	5	197	154	233	73	112	37	444	1,290
Feb	12	5	119	90	153	49	89	37	544	1,098
Mar	16	6	187	137	181	34	96	32	463	1,152
Apr	10	2	163	139	141	30	90	13	356	944
May	17	10	204	213	176	45	152	37	537	1,391
Jun	25	5	214	202	191	52	164	33	501	1,387
Jul	18	6	226	242	195	55	164	39	544	1,489
Aug	24	7	176	206	145	45	178	40	485	1,306
Sept	13	7	179	196	199	0	176	31	467	1,268
Oct	20	2	153	190	162	60	182	37	534	1,340
Nov	17	5	123	118	126	64	127	17	410	1,007
Dec	16	5	145	178	161	88	159	23	578	1,353
	223	65	2,086	2,065	2,063	595	1,689	376	5,863	15,025

## Gas Dispensed in Gallons by Month (2014)

302	212	252	240	242	261	257	201	279	214	173	216
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec

"My husband and I were driving north on I-35 about 40 miles south of Kansas City and got a flat tire while in the construction zone. My husband started to change the tire and two highway workers walked over to see if they could help. We thanked them and told them we were able to change the tire. They picked up two road cones and placed them in the left lane next to our car so traffic would merge to the left after they passed us. They provided safety for us to complete the task of changing the tire. Highway workers face such danger every day, working so close to rapidly moving traffic. We got a taste of it standing by our car and seeing it from their viewpoint. Many, many thanks to them and to all highway workers."

Ron and Cindy Pierson

Minnesota

Intermediate

#### Severity of Incident by Duration (2014)





57.1% R

ne blocked 30-120min lane blocked >120min

Major

# Incident Duration by Month (2014)

	Min	Inte (30-	Majo
Jan	98	135	14
Feb	128	163	10
Mar	74	118	4
Apr	40	97	5
May	86	105	11
Jun	74	121	15
Jul	67	141	16
Aug	65	127	8
Sept	68	17	8
Oct	87	164	14
Nov	89	127	7
Dec	122	178	12
	002	1 /102	12/

or (< 30min

mediate 120min) or ( > 120min)

# Mobility in the Metro

As the Metro grows, more and more vehicles use the freeway. Mobility, or the average time to travel a 10-mile segment of our freeway system, is an increasingly important factor.

## Average 10-Mile Travel Time (Minutes) During Rush-Hours on Selected Freeway Sections



Scout collects data on mobility for rushhour peaks (7 A.M. and 5 P.M.). The measure uses the average travel time index values (Travel Index = Average Speed/ Free Flow Speed) to calculate the 10-mile travel times during the peaks on various freeway sections.

The travel time index is directly related to the average speed and represents the level of congestion by taking into consideration, not only the average speed, but also traffic volumes. The desired trend is to travel 10 miles per 10 minutes on a 60 mph freeway.

The **maps** to the right show traffic mobility on selected freeway segments at both the morning and afternoon peak travel times. The green areas have the highest mobility; red have the lowest.

## Kansas City's Top Ten Most Traveled Segments (2014)



#### Evening Rush Hour (PM) volume in millions

#1	EB I-470 from Three Trails Memorial Cr	ossing to MO 291	18.1
# <b>2</b>	SB I-35 from I-635 to 69 Hwy	15.9	
#3	NB I-35 from 69 Hwy to I-635	14.3	
#4	EB I-70 from Broadway Blvd to I-670	13.6	
#5	WB I435 from Stateline Rd to I-35	12.9	
<b>#6</b>	EB 1435 from 1-35 to Stateline Rd	12.8	
# <b>7</b>	NB I-435 from I-70 to the MO River	12.7	
#8	SB 1435 from the MO River to 1-70	12.4	
# <b>9</b>	WB 1435 from Stateline Rd to 3 Trails Crossing	12.3	
#10	EB I-70 from I-435 to I-470	12.2	

EXIT 🚽 ONLY

ei den .e ,7 5:1/5

Blue Ridge Cutoff Sports Complex Two Lanes

"I wanted to pass a note on to Scout that I really appreciate seeing the travel times on the highway. It's really helpful to gauge my commute into downtown. Please keep this service going."

101

70 EAST

St Louis

Thomas Stanley

**Overland Park** 

## **AM Rush-Hour Travel Times**



## **PM Rush-Hour Travel Times**



# **Congestion Management**

# Compared to 2013, the Metro's highways experienced an overall volume increase of 11% in 2014.

Given this increase, all three congestion indices continue to improve with the exception of the travel time index during the evening peak which increased by only 1%. In addition, only 9% of Kansas City highways experienced heavy congestion during the course of 2014 compared to 11% in 2013. **Travel Time Index (TTI)** is the extra time spent in traffic during peak traffic times as compared to light or free flow traffic times.

**Buffer Time Index (BTI)** is the extra time a motorist must add to their average travel time to ensure on time arrival during peak periods. It is measured by percent.

**Planning Time Index (PTI)** is the total time a motorist needs to ensure on time arrival during peak periods.

#### **Congestion Snapshot (2014)**

In 2013: 29%



In 2013: 34%





"On the way out of town I passed a work-zone and had a nail blow my tire. It was during rush hour and it was very scary, but I was able to get over to the side of the road. That was when Timothy Hall from MoDOT stopped to help. I was barely off the road and he parked so that I was protected from the traffic. Timothy helped me is so many ways! It was New Years Eve at 5:00 and almost all tire places in town had closed. Timothy called around, helped me work with AAA, and helped me stay calm while trying to get home to Indiana on a very busy night. I would like to thank him and let you know what a wonderful man you have working on your team! I don't know what I would have done without him stopping to help!"

Cari Cawthon

#### Indiana

# Congestion on Kansas City's Highways in Minutes (2014)



#### Top Three Traveled Segments for Each Index (2014)

		Morning Rush Hour (AM)	
	#1	WB I-670 from I-70 to I-35	1.81 min
тті	#2	EB I-670 from I-35 to I-70	1.70 min
	#3	WB I-70 from I-470 to I-435	1.47 min
ΡΤΙ	#1	SB I-35 from I-635 to 69 Hwy	<b>2.77</b> min
	#2	NB I-35 from I-435 to 69 Hwy	2.67 min
	#3	WB I-70 from I-470 to I-435	2.49 min
	#1	NB I-35 from I-435 to 69 Hwy	93.57%
BTI	#2	SB I-35 from I-635 to 69 Hwy	90.17%
	#3	WB I-470 from MO 291 to 3 Trails Crossing	75.48%

#### **Evening Rush Hour (PM)**

EB I-670 from I-35 to I-70	2.36 min
SB I-35 from I-670 to Cambridge Circle	2.30 min
SB I-35 from I-635 to 69 Hwy	2.05 min
EB I-670 from I-35 to I-70	3.96 min
SB I-35 from I-670 to Cambridge Circle	3.76 min
SB I-35 from I-635 to 69 Hwy	3.25 min
NB I-35 from I-435 to 69 Hwy	102.89%
EB I-435 from I-35 to Stateline Rd	94.55%
NB I-35 NB from Cambridge Circle to I-670)	80.71%

# **ITS Infrastructure**

Scout manages the Metro's 300 mile highway system with technical equipment including cameras, message signs, and freeway detectors. The percentage of equipment that is working properly in the field each month is known as "equipment uptime". Message signs, in particular, are essential to providing real-time travel and incident information. Motorists use them to make informed decisions about their travel routes.

	Cameras	Message Signs	<b>Freeway</b> <b>Detectors</b>
Jan	96%	96%	77%
Feb	N/A	99%	77%
Mar	97%	99%	73%
Apr	99%	100%	76%
May	99%	100%	92%
Jun	99%	99%	84%
Jul	99%	100%	82%
Aug	99%	100%	83%
Sept	99%	100%	84%
Oct	99%	99%	70%
Nov	100%	100%	84%
Dec	100%	100%	82%
Average	<b>99</b> %	<b>99</b> %	80%

## Percent of Properly Working Equipment (2014)

"I was traveling through Kansas City up to Omaha and the ITS system is great. Scout has some real good infrastructure and advanced notification. I saw accident information and travel time info, good stuff. I downloaded the app too. PS. I work at TXDOT in IT."

Jamie Connos

Dallas



Traffic Incident Management provides quicker response and clearance times.



Message Signs provide travel times, incident, safety and traffic information for drivers.



31

"Ramp meters really help people get on the highway. I'm from California and they are everywhere. I'm glad they are on 435 and continue to utilize them."

111.

John

Leawood

# Scout's ITS Tool Bench

The Kansas and Missouri Departments of Transportation jointly operate Scout, using a variety of key tools to accomplish the task. These tools include traffic incident management, ramp meters, cameras, message signs, and freeway detectors.

#### Ramp Meters

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



## Detectors

detect vehicles that are moving, slowed, or stopped on the highway.



**Closed-Circuit Cameras** monitor traffic, incidents and

work zones.



"I check this website every morning and the cameras are great. I really use the cameras when it's snowing or raining hard outside. Pretty cool stuff."

Corey

Kansas City

# Website and My KC Scout:

Visit kcscout.net for a real-time traffic map, current travel speeds, and road closures. To receive alerts about traffic, weather, child abductions (AMBER Alerts), poor air quality, and/or homeland security via email, text message, or your company task bar, select "My KC Scout" to set your preferences. 3

## Media:

Scout provides live video of the freeway to major news channels and to a local cable company. Media partners also display actual vehicle speeds during slowdowns.

# Where to Find Scout Alerts



#### Scout App and Social Media:

Download the free Scout Kansas City Traffic app for both Apple and Android devices and follow Scout on Twitter for up to the minute traffic information 24 hours a day, 7 days a week at twitter.com/kansascityscout.





# **Scout Benefits**

# The Scout program offers a very high overall cost to benefit ratio: for every \$1 spent, it provides approximately \$8 in benefits.

Inadequate funding and, in some cases, inadequate room to widen roadways have made new construction and lane additions an increasingly difficult solution. Providing a safe and efficient system for freeway travel is important, so the Kansas City Metro uses Scout's technology and traffic management system.

Traffic Incident Management is a major focus of the system and has resulted in reduced incident periods and overall increased coordination at the scene of the incident. Emergency Response also helps with achieving quicker clearance. The benefits equate to reduced travel times and congestion, lower crash rates, savings in fuel and other operation costs, and cleaner air from reduced carbon emissions.

# Transportation Management Center

# Scout provides you with real-time, up-to-the-minute, traffic and roadwork information.

To request a tour of the Scout TMC (Transportation Management Center) go to kcscout.net. Select "Scout Services", then "Schedule a Tour", and fill out the form.

"Thank you so much for the tour you gave the IEEE group a few months ago. You and your staff were awesome...it's so cool to see people who are so enthused and dedicated!"

Rob Stitt

Kansas City





Investment in Scout technology, incident management, and Emergency Response translates to annual benefits that greatly outweigh the annual costs to build and maintain the program.





600 NE Colbern Rd, Lee's Summit, Missouri 64086 816-347-2200 office 816-622-6550 fax

1