

A nighttime cityscape featuring several illuminated skyscrapers. The scene is overlaid with dynamic light trails in white and yellow, creating a sense of motion and energy. The buildings are lit up, with some windows glowing. The overall color palette is dominated by deep blues, purples, and reds, with bright highlights from the city lights and light trails.

Kansas City  
MoDOT + KDOT  
**SCOUT**

**Marcus Slaughter**  
Incident Management Coordinator

*getting you there*

KC Scout is Kansas City's bi-state traffic management system, jointly operated and funded by the Kansas and Missouri Departments of Transportation.



Designed to lessen traffic congestion by improving rush-hour speeds, increasing safety by decreasing the number of accidents and improving emergency response to traffic situations by clearing incidents safely and quickly.

Scout manages traffic on more than 300 miles of continuous freeways in the greater Kansas City metropolitan area, along with the I-70 Corridor from Colorado and St. Louis.



391 CCTV's



167 Dynamic Message Signs



Photo Sources: Missouri and Kansas DOT

21 Ramp Meters

## 2019 Incident Data

- o Average Incidents per day - **156**
- o Total Incidents – **58,027**
- o Average time to clear – **34 mins**



# Motorist Assist and Emergency Response



Missouri  
–  
MoDOT

- 17 Operators
- 12 Vehicles
- 150+ miles covered

Kansas  
–  
KHP

- 8 Operators
- 8 Vehicles
- 123+ miles covered

# JAWS: Julie's Automated Waste-Removal System

**JAWS** allows ER operators to quickly and safely remove roadway debris without getting out of their vehicle. The drop down skid plate is hydraulically lowered and controlled by a joy stick inside the truck's cab. Upon activation of the plate, a truck mounted camera automatically displays an image of the debris in half of the truck's rear-view mirror. This enables both viewing of the debris and what's happening behind the vehicle, without the operator having to shift their glance to a screen mounted elsewhere on the dashboard.



# JAWS: Julie's Automated Waste-Removal System

- Similar to underbody "snow" plow used on heavy snow removal fleets
- Lightweight and uses a polycarbonate cutting edge
- Located in the front of the vehicle's front tires
- Deployed to relocate basic debris from out of travel lanes to the shoulder or safer location

# JAWS: Uses

- Remove Debris such as tire treads, dead animals, gravel, etc.
- Clear clogged storm drains during heavy rain downpours





# JAWS: How to Use It

- Electronic switch inside the cab indicates when the device is in the up or down position
- Controlled with a joystick; similar to inside a truck's cab for snow plows
- Forward-facing camera, installed in the rear view mirror, allows the operator to see the debris and ensure it's being pushed off the roadway.
- Floating unit means no snagging on bridge joints, rumble strips or drain inlets.



# JAWS: Drop-Down Skid Plate

The JAWS unit is equipped with a drop down skid plate to remove debris from lanes of traffic.

[Modot Jaws \(13\).mp4 mp4 File 240.1 MB](#)

[JAWS in Action on I-70 KC MO.mp4 - Box](#)

# JAWS: Benefits

- Saves lives by keeping employees out of the roadway
- Reduces incidents caused by congestion and erratic lane changing vehicles
- Saves money by reducing labor costs – only one truck needed
- Saves time – eliminates delay of a second response backup truck
- Simplifies work – one person operation
- Improves SAFETY by greatly reducing the chances of injury or death

A stylized graphic of a road with white dashed lines on a dark teal background, curving upwards from the bottom left towards the top right.

## Marcus Slaughter

Incident Management Coordinator

Kansas City Scout

816.985.7466

[Marcus.slaughter@modot.mo.gov](mailto:Marcus.slaughter@modot.mo.gov)