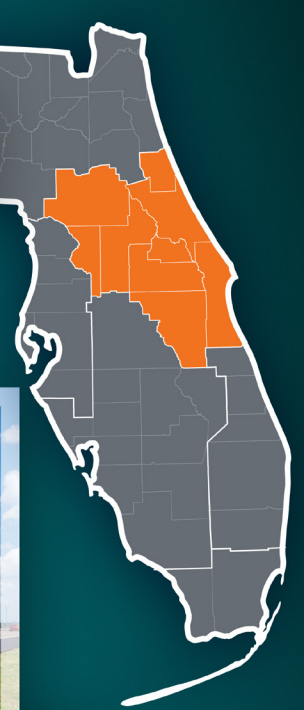




**District 5**



# Integrated Corridor Management (ICM) Quarterly Newsletter, Q3-2024

## Road Ranger Assists



Road Rangers assisted on

**20,617**

events, which is lower than the quarterly average of **23,291** events

## Open Roads Time



The Open Roads Time of

**46** minutes

is under the Florida Department of Transportation's goal of 60 minutes

## RISC Events



**39** out of **47**

Rapid Incident Scene Clearance events met their goal of 90-minute clearance times

## Monetary Value of Arterial Operations



ICM Corridor Managers added a value of

**\$493,900**

this quarter to road users based on estimates of delay savings

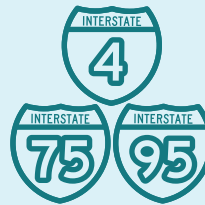
## Secondary Crash Savings



Total savings due to reduction of secondary crashes less than 60 minutes goal:

**\$89,630,880**

## Freeway Travel Time Reliability



The average freeway travel time index is

**1.09** which is on par with the 12-month quarterly average of **1.10\***

\* See "Holding Steady" charts on page 3 for more information

## Arterial Travel Time Reliability

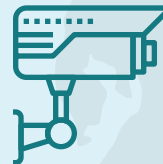


The average arterial travel time index is

**1.48** which is slightly higher than the quarterly average of **1.42\***

\* See "Holding Steady" charts on page 3 for more information

## ITS Field Equipment



ITS Field Equipment uptime availability was

**97%**

## Number of Diversions



ICM Corridor Managers implemented

**207** diversion routes

which is lower than the average of **214** per quarter

## ICM Managed Events



The ICM Team managed

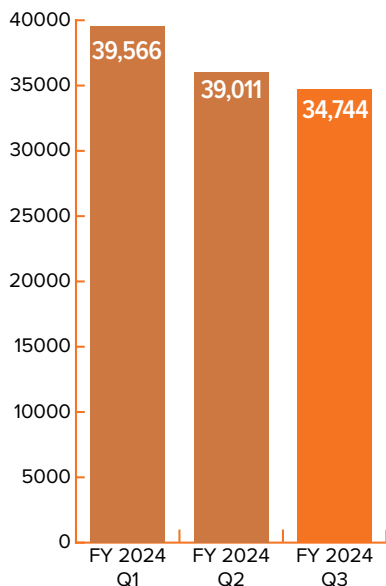
**34,744** events

(including 5,035 events with lane blockages)

## Trends

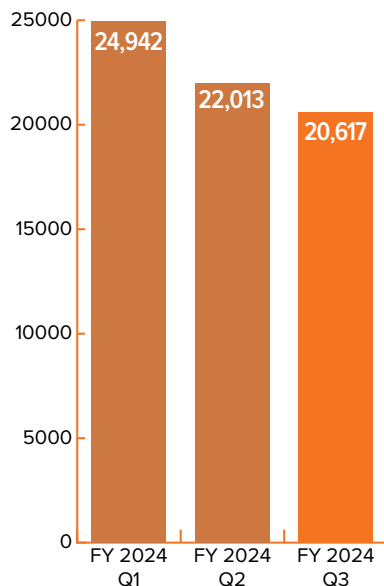
As the Central Florida region grows, ICM continues to play a vital role in improving safety and mobility in District Five.

### Total Systemwide Events



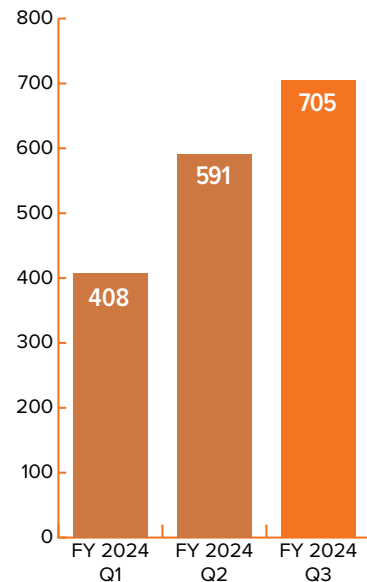
The number of systemwide events is falling. ICM operators worked a total of 34,744 events in FY 2024 Q3, down from the previous quarter.

### Road Ranger Assists



Road Rangers provided assistance on 20,617 events in FY 2024 Q3, down from the previous quarter.

### Secondary Crashes Prevented

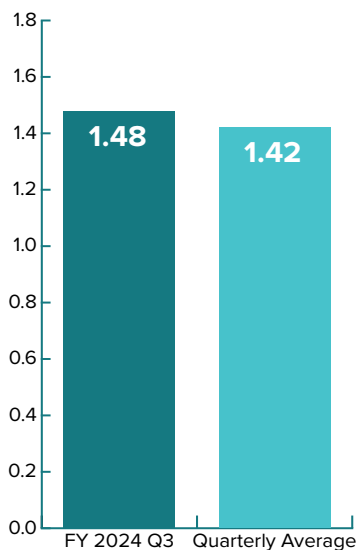


Chances of secondary crashes increase 1% every minute that a roadway remains closed from the initial crash (Shah et al., 2022). This estimate is based on exceeding the Department's Open Roads goal of 60 minutes.

## Holding Steady

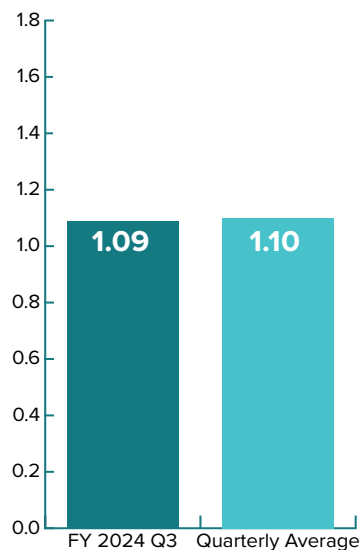
Despite continued demands on the transportation system, ICM efforts succeeded in holding close to key performance measures.

### Arterial Travel Time Index



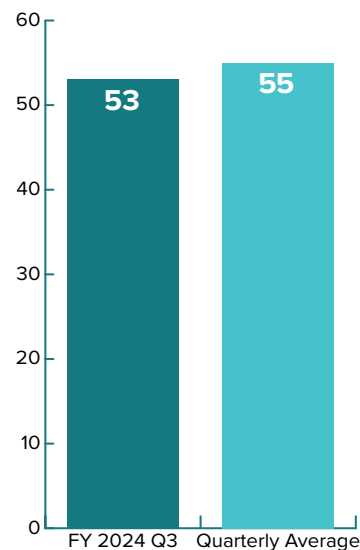
The Travel Time Index represents the average additional time required for a trip during peak congestion compared to the same trip in a hypothetical no-traffic condition. A higher travel time index means more time, on average, required to make a trip.

### Freeway Travel Time Index



The Travel Time Index represents the average additional time required for a trip during peak congestion compared to the same trip in a hypothetical no-traffic condition. A higher travel time index means more time, on average, required to make a trip.

### Average Roadway Clearance Time (Minutes)



The average roadway clearance time in FY 2024 Q3 remained under the Department's goal of 60 minutes.



## What Is ICM?

Integrated Corridor Management (ICM) is a collection of operational strategies and advanced technologies that allow transportation subsystems to operate in a coordinated and integrated manner. The goal is to operate the transportation network in a balanced way that utilizes both the freeways and arterials to improve the overall safety, efficiency, and reliability of the network.

## The Value of ICM



### Incident Clearance

When an incident blocks one or more travel lanes, the goal of FDOT District Five is to clear the incident in 60 minutes or less. In FY 2024 Q3, District Five achieved an average clearance time of **46 minutes**. Because the chance of a secondary crash increases every minute, that **14-minute gain** translates to fewer secondary crashes, more than **\$89 million saved\***, and reduced congestion.

\* Total savings due to reduction of secondary crashes less than 60 minutes goal= \$127,136\*705=\$89,630,880. For more information on this calculation, please see the FDOT District Five ICM Quarterly Report for Quarter 3 of 2024 located on the CFL Smart Roads website.



### Road Ranger Assistance

The Road Ranger Service Patrol provides traffic incident management response services and limited no-cost highway assistance to motorists to improve highway safety for emergency responders and the motoring public. In District Five for FY 2024 Q3, Road Rangers **assisted on 20,617 events**. Districtwide, the average Road Ranger response time was just over **17 minutes**.

## Road Ranger's Quick Thinking Saves Driver's Life

Central Florida's Road Rangers are no strangers to split-second decision making. When the Road Ranger Service Patrol receives a call to their \*FHP (\*347) assistance line, they are quick to spring into action to help drivers in need.

John Cruz, a 14-year Road Ranger veteran, exemplified the type of quick-thinking heroics for which Road Rangers are known while working with the Orlando Police Department (OPD) on November 15, 2023.

As the sun set on a busy stretch of Kirkman Road (State Road (S.R.) 435) in Orlando, an urgent call was dispatched to Cruz regarding a gray Honda Accord trapped in a ditch on the east side of the street.

"Anytime you get to a scene, you don't know what that person's going through," Cruz said, recalling the crash.

Cruz was able to assess the scene with the aid of OPD Community Service Officer (CSO) Adrian Guillermo to see if the driver had exited the vehicle. Through the dark tinting of the vehicle's windows, Cruz saw that the driver was experiencing a seizure. CSO Guillermo then called in the Orlando Fire Department for assistance.

The incapacitated driver's foot was on the accelerator pedal and making the engine rev. With precision and determination, Cruz sprang into action.

"When I see (a foot on) the gas pedal, I'm concerned. You never know if (the car is) in park or in reverse or drive," Cruz said, aware that any slight movement on the gas pedal could create a danger to the driver and rescue crew. "My goal is always that no one should get hurt."

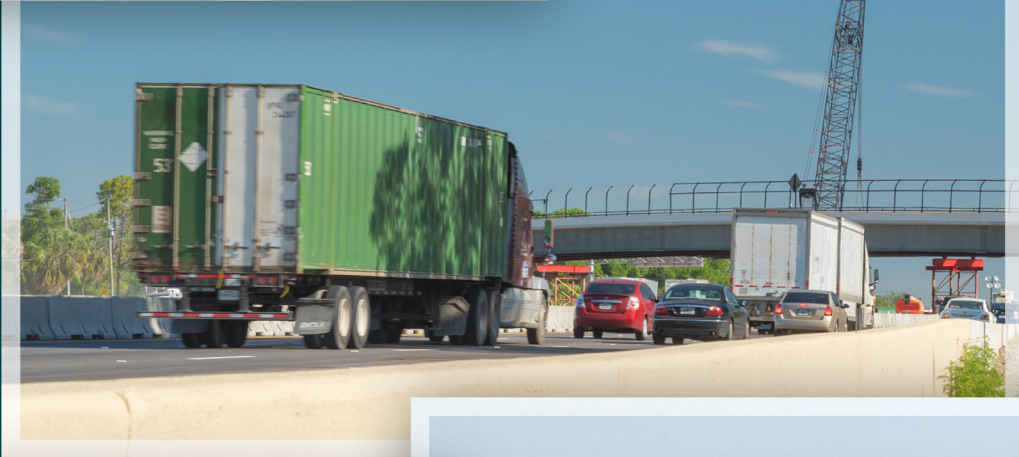
Cruz handed his flashlight to CSO Guillermo, who shattered the driver's window. Cruz then reached through the broken glass to place the vehicle in park and remove the key from the ignition, ensuring the safety of both the driver and first responders on the scene.

Cruz's quick thinking and selfless actions undoubtedly saved a life, ensuring that a harrowing situation ended in triumph rather than tragedy for both the driver and first responders. His bravery did not go unnoticed by OPD in the follow-up to the incident.

"Road Ranger John Cruz reacted instantly, without hesitation, to render aid," said OPD CSO III Sydney Vicente, a critical member of crash site response team. "He played a major role ensuring everyone's safety on scene. Please pass along our gratitude for his essential assistance on this call."







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