

Regional Integrated Corridor Management — A Safer Transportation System

The Florida Department of Transportation (FDOT) has improved District Five's transportation system by integrating the management of its freeways and arterial roadways.



Freeways and arterials used to be managed separately in District Five, but as Central Florida's population and

tourism grew, so did its challenges. With increased occupancy and incidents, some transportation systems were left underutilized while others were often congested.

Regional Integrated Corridor Management (R-ICM) is the program used by FDOT in District Five to manage its freeways and arterial roadways as one system. The purpose of R-ICM is to provide a safer transportation system that ensures the mobility of people and goods, enhances economic prosperity, and provides real-time traveler information and system reliability.



REGIONAL INTEGRATED CORRIDOR MANAGEMENT

Through R-ICM, FDOT can coordinate with individual networks and facilities to create an interconnected transportation system. Using data collected from both freeways and arterials, R-ICM allows FDOT to make operational decisions that benefit the entire transportation system while keeping it safe, efficient, and reliable.

R-ICM helps maximize the use of Central Florida's transportation systems through its use of signal timing patterns and diversion routes. By redirecting traffic from main corridors to temporary, adjacent roadways, congestion is reduced and transportation remains mobile. This is especially helpful in areas where construction is occurring, like the current Interstate 4 (I-4) road projects.

Since managing multiple road systems as a unit is relatively new, District 5's R-ICM has a lot of room for growth, development, and future goals. The R-ICM program builds on successes and is always searching for new and innovative ways to improve traffic in Central Florida.

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Florida Department of Transportation District Five Regional Transportation Management Center



Diversion Routes and Signal Timing

- ▶ Traffic Management System Monitoring
- ▶ Freeway Management
- ▶ Active Arterial Management
- ▶ Travel Time Monitoring
- ▶ Incident Management
- ▶ Crash Pattern Monitoring
- ▶ Field Observations
- ▶ Road Ranger Dispatch
- ▶ Construction and Asset Maintenance Coordination
- ▶ Traffic Incident Management (TIM) Notifications
- ▶ System Performance Monitoring
- ▶ Performance Measurement Reporting

R-ICM Facts

- ▶ R-ICM is implemented at the Regional Transportation Management Center (RTMC).
- ▶ R-ICM's success partially depends on its ability to effectively utilize and implement state-of-the-art technology.
- ▶ R-ICM operators and R-ICM supervisors are tasked with the monitoring, reporting, and managing of roadway conditions within the jurisdiction of FDOT District Five.



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