



Education and Workforce Development Activities

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Connected Vehicles, Arterial Management, Managed Lanes
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Topics



FDOT Mission



Existing Training



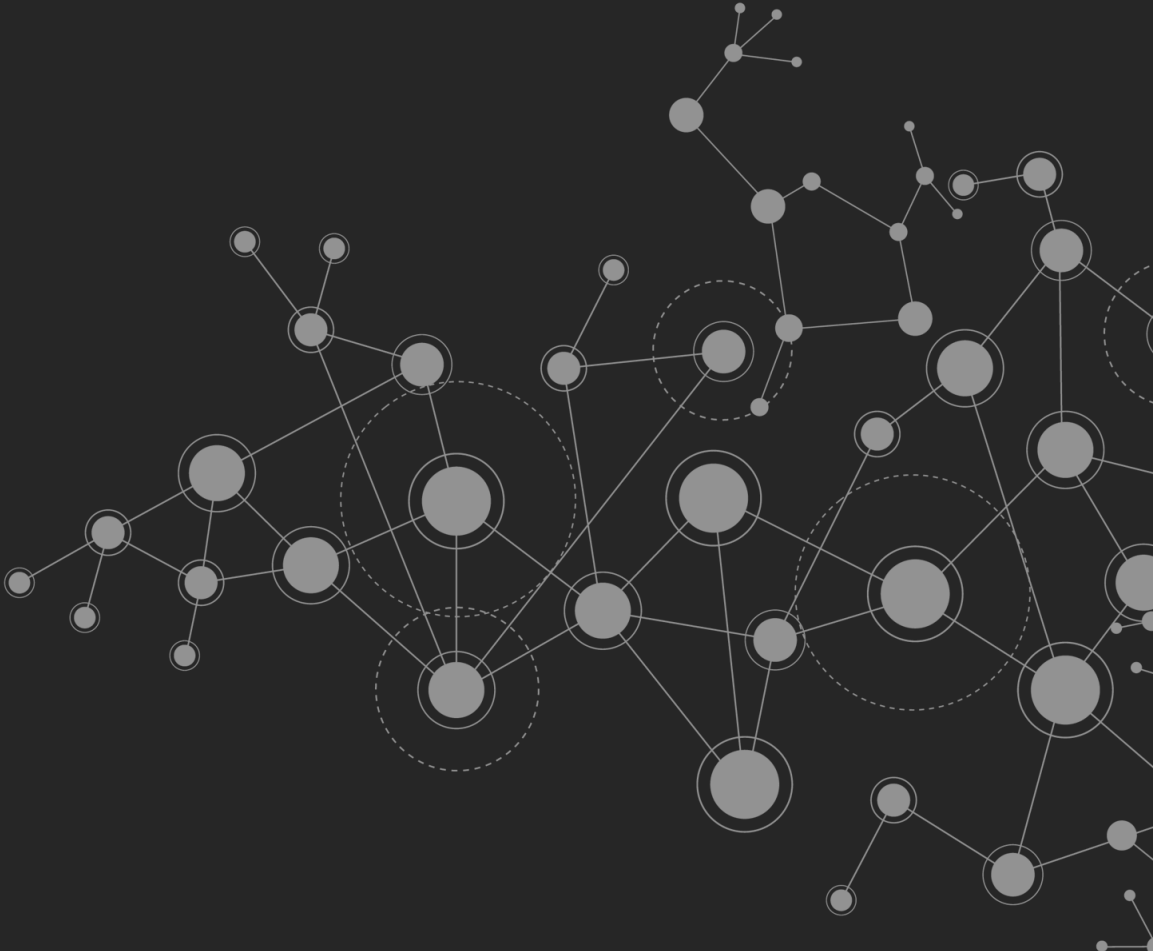
ICM Case Study



Evolving Data Sources



FDOT Mission



FDOT's CAV Program Supports...



Safety



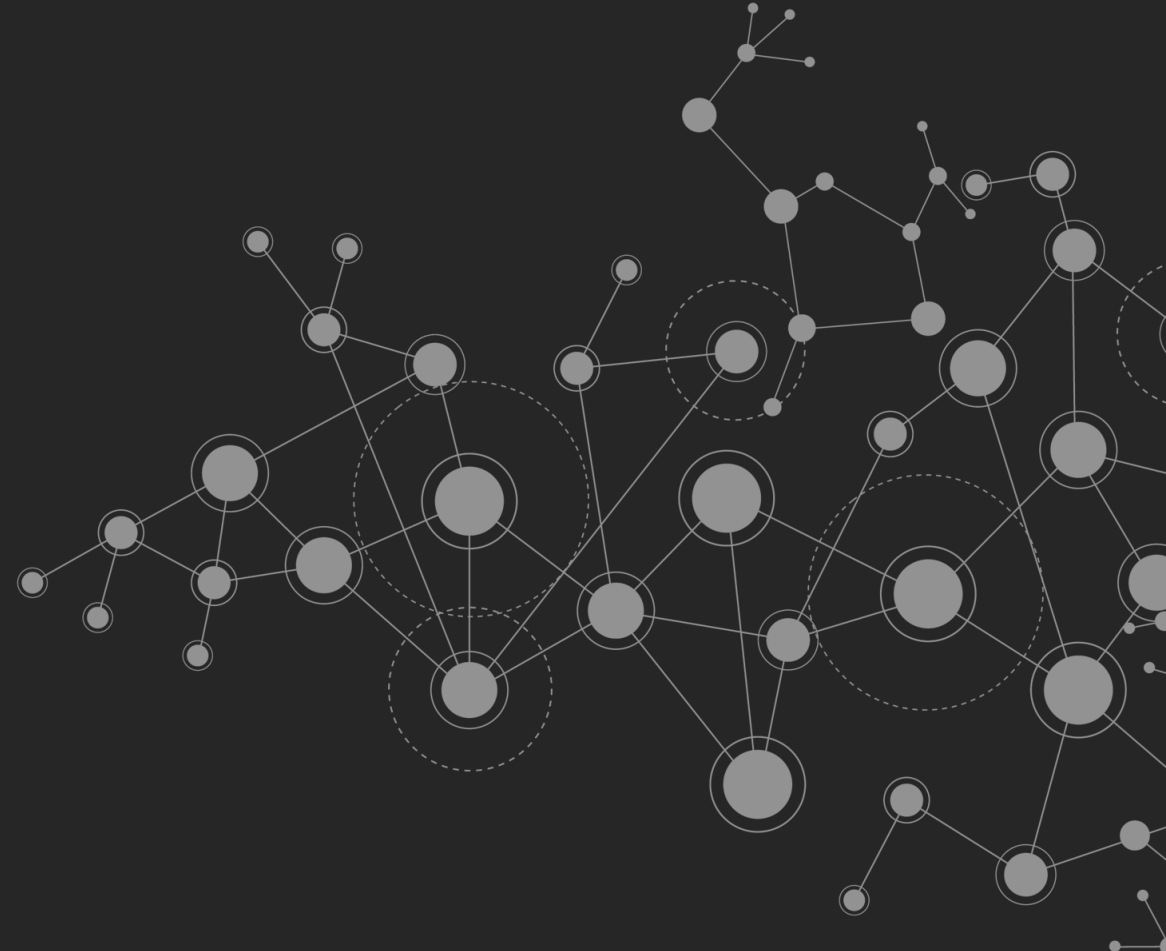
Mobility



Economic Development



Existing Training



Available FDOT Training for CAV

- Internal Training Modules
- Publicly Available Courses
- District-hosted Sessions
- University Partnerships
- Conferences / Events

CAV Basic Concepts

Connected Vehicle (CV) is a vehicle (car, truck, bus, etc.) that is equipped with a wireless communication device to communicate with other vehicles on the road, and with roadside infrastructure.

CV Basic Concepts

Vehicles communicate wirelessly with each other, infrastructure, and wireless devices

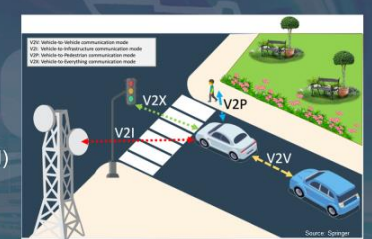
- A wireless device in a car sends messages about vehicle status (location, speed, heading, etc.)
- Nearby devices in other vehicle and devices on the roadside receive the messages
- These messages alert Drivers for potential crashes, adverse weather conditions, congestion, lane closures, work zones, etc.



FDOT



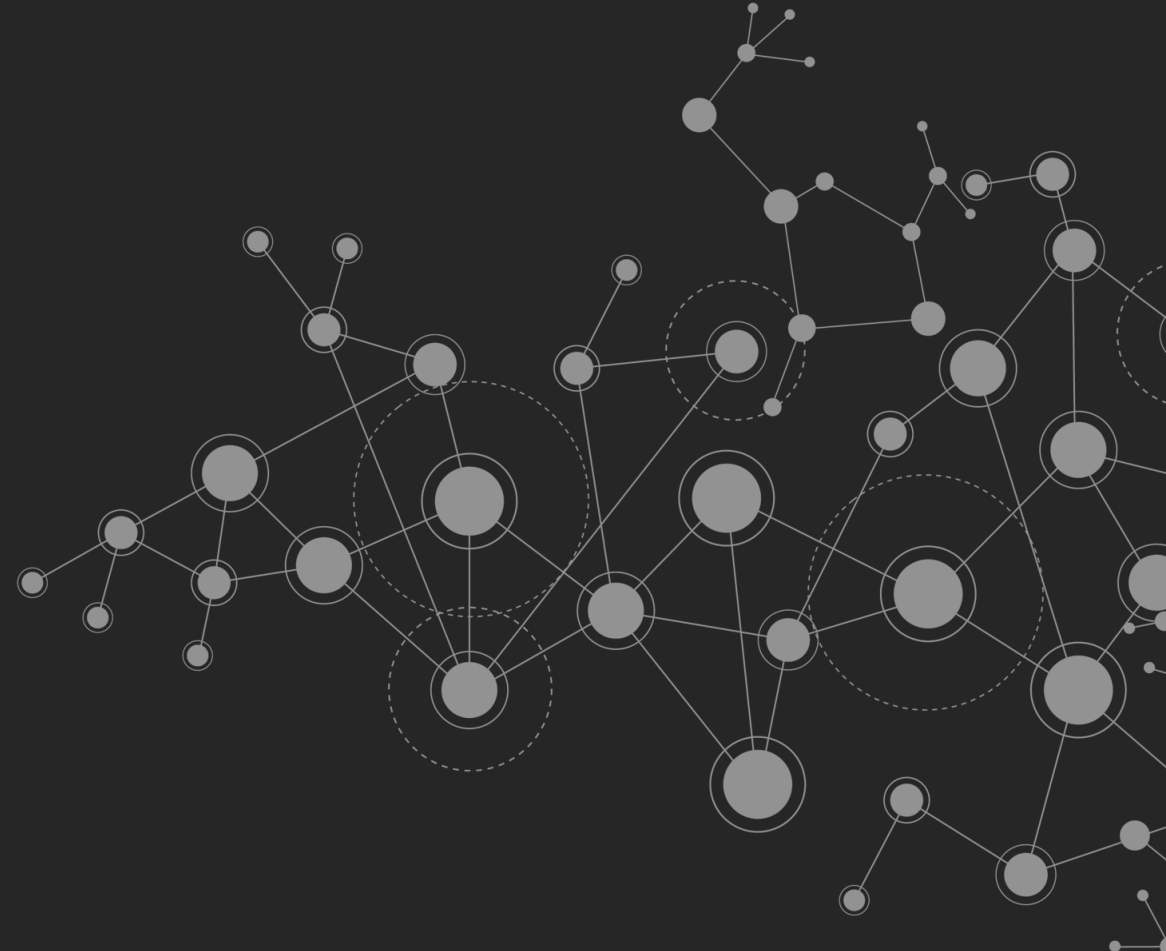
Blocks



FDOT



ICM Case Study: RTMCs and Integrated Corridor Management



RTMCs Prepare for ICM

RTMC Updates



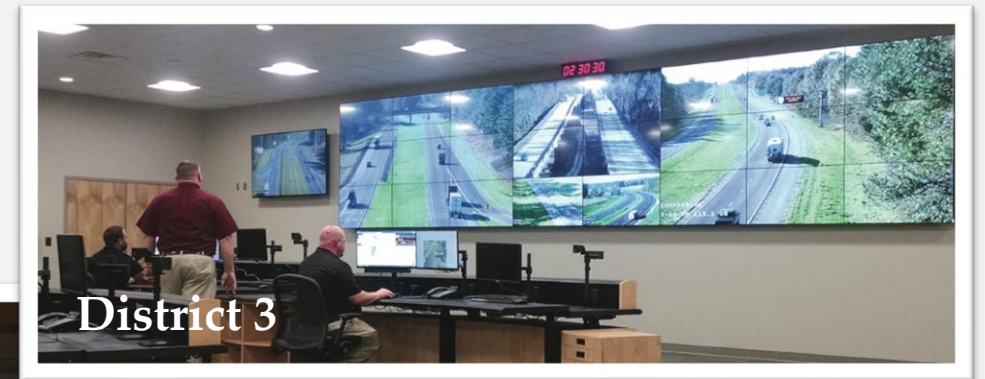
- Management Structure
- Center-to-Center Communications / Control



RTMCs Prepare for ICM

Workforce Development

- Train and Retain (Success Today and Future)
- Assessments
- Simulation exercises within ATMS
- Resourcing Arterial Partners



Workforce Development

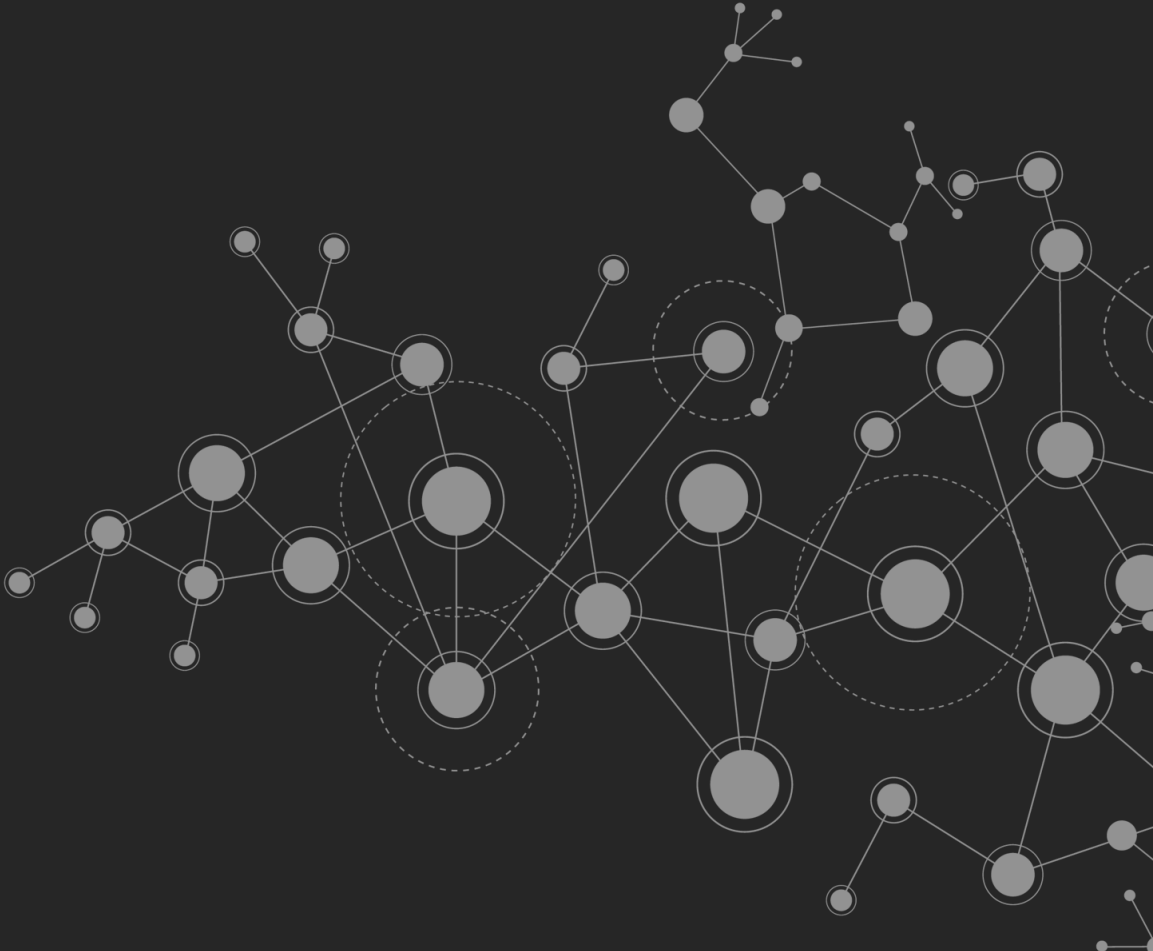
Course Topics

Course Topic	Duration	Venue / Format
Basic Traffic Signal Cabinet and Field Equipment Orientation	1 day	Lab
Traffic Signal Timing Basics	1 day	Classroom or Virtual
Traffic Signal Controller Programming	2 days	Lab
ATSPM Orientation*	1 day	Classroom or Virtual
CMS & TSP Orientation	1 day	Classroom or Virtual
SIIA & NOEMI Orientation	1 day	Classroom or Virtual
Video Detection Setup	2 days	Lab
Traffic Signal Timing using Synchro & Tru-Traffic	3 days	Classroom or Virtual
ATMS Monitoring and Programming	2 days	Lab
ICM Orientation and Real-Time Operations	1 day	Lab

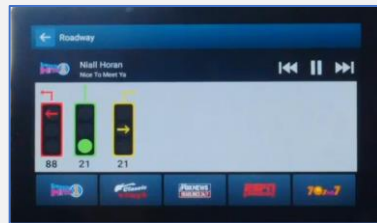


*Vendor supported

Evolving Data Sources



Tech Deployment Brings New Technologies and Management Strategies



Thank you!

Thank you



This Holiday Season
Let's Arrive Alive

Safety
is always in season

FLHSMV 

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