

Session 3: Emerging Technologies in TSMO and TIMS

Transportation Operations role and potential

- Describe the engagement you have had with the public safety (police, fire, EMS) agencies and entities in your state
- What technologies are you using or do you think you can use for incident and emergency response?
- How integrated are you with emergency operations?
- What type of support can your DOT operations provide to first responders?
- What type of activities does your DOT do in the event of an incident or emergency?

Arizona Connected Vehicle Test Network – Anthem, AZ

I-17 SB Traveler Information

I-17 and Anthem Way

Anthem Way and N Navigaion Way

Anthem Way and Venture Dr

Anthem Way and Daisy Mountain

Daisy Mountain and Anthem W

Daisy Mountain and Memorial Dr

Daisy Mountain and W Hastings Wa

Daisy Mountain and Meridian Road

Gavilan Peak Pkwy and Memorial Dr

Gavilan Peak Pkwy and School

I-17 and Daisy Mountain Dr

Daisy Mountain and N Dedication Trail

I-17 NB Traveler Information

Emerging Technologies - ICM

- Integrated Corridor Management (ICM) for freeway-arterial operations
- Loop 101 in Scottsdale
 - Incident-based only
 - Defined roles/responsibilities
 - Concept of operations
- Improved communication – gives public direction
- Improved coordination – outlines interagency response



Emerging Technologies - External

- I-10 Corridor Coalition – signed agreement between CA, AZ, NM, and TX. July 2016
- Freight movement
 - Coordinated truck permitting/inspection
 - Centralized data/planning for truck parking
 - Seamless travel along route – limit individual State procedures
- Incident management
 - Connect all TOC/TMC centers from 4 States
 - Training for cross-border event/response

Emerging Technologies - ADOT

- I-10 VSL/Dust Detection
- Smart Truck Parking
- CAV
- Safety Corridors
- Wrong Way Detection
- Dynamic Ramp Metering

