Connected Corridors Review with SANDAG

2/20/2013
California Connected Corridors
Vehicles, Information & People (CC-VIP) Pilot

• Enable existing transportation infrastructure and vehicles to work together in a highly coordinated manner
• Deliver improved corridor performance (safety and mobility)
• Improve accountability
• Evolve Caltrans to Real-Time operations and management
• Enhance regional, local and private sector partnerships
ICM California Components

- Existing ICM Efforts – San Diego, Dallas
- Guidance – USDOT
- Organizational enhancements – Caltrans
- New Technologies – UC Berkeley
- Existing systems – Delcan, TSS, Others
- Local and Regional Agencies

- ICM California Pilot to be used as a template for expanding ICM to all major corridors in Ca
Connected Corridors Program

- Previous/Ongoing Efforts
  - USDOT ICM Efforts
  - PEMS – California Performance Measurement
  - TOPL – Tools for Operational Planning (Macro Modeling)
  - Mobile Millennium – Big Data fusion with probes

- Concurrent Efforts
  - Organizational Analysis for Corridor Mgmt
  - San Diego and Dallas ICM Implementations
  - Connected Vehicles

- New Research Efforts
  - Machine Learning
  - Corridor Control with highly fused data
  - Demand Mgmt with crowd sourced decisions
  - True Collaborative Commuting – People, Infrastructure and Vehicles

"Imagination is more important than knowledge." — Albert Einstein
Connected Corridors and SANDAG

• Establish a partnership to prioritize and study new technologies
• Work together to improve estimation and prediction
• Improve real time play book evaluation under defined circumstances
• Understand what aspects of SANDAG’s ICM implementation are appropriate for other California corridors

• We are currently partnering with TSS who is contributing resources, software and know-how
• We have held discussions with Delcan