Video Sharing by TDOT and other DOT's - Faster, Safer Incident Response
Challenge:
How does an agency most efficiently coordinate with other agencies to respond to and manage an event?

- Fire/Paramedic
- Local and State Police
- Towing companies
- Hazmat
- Local officials
- DOT Response Vehicles
- 911 Centers
- Media
- Public
Response and management requires procedures AND information

• What do I know about it – (sharable data)
• Can I talk about it – (communications)
• Can I (we) see it – (live video)
  • Who can see it typically?
Traditional Video Management

Video Management and PSIM Solutions
Focus on Aggregating Video to Command Centers
Serving 5% of the User Community
What about the other 95%?

**Challenges**

- Video bandwidth is too large
- Network limitations
- Proprietary video formats/codecs
- Limitations with VMS
- Legacy analog cameras, encoding/decoding
- IT security concerns
- Diversity and number of video consumers
- Control concerns
- Cost
What does TDOT provide?

Platform that allows agencies to efficiently and securely share live video and data with large groups of consumers, internal stakeholders and partners.

- Any camera (Traffic, Intersection, RWIS, Security…)
- Any manufacturer (Analog or IP)
- Any network environment (Hosted, distributed, or local network designs)
- Any device or Application (Web, mobile, tablet, in-vehicle, video wall…)
- Secure environment (Firewall, Restriction of Access, etc.)
- Multiple data sources an integration layers
SmartView – High Level Architecture

Video Sources

• Disparate Video
• Separate Networks

Partners/Consumers

• Normalize
• Stream
• Manage

• Diverse Consumers
• Unlimited Users
• Secure Access
SmartView Attributes

Access to video when and where its needed

• Capacity to efficiently, securely stream to large groups of consumers, partners
• Stream to any device
  – Web, mobile, in-vehicle, video wall delivery
• Partner friendly – share with who you want in minutes
• Flexible, scalable architecture
• Easily manage partner and public access
• Remote, secure access
• 24 x 7 NOC Support
SmartView
What types of cameras can you share?
What types of agencies can leverage SmartView?

- Departments of Transportation - State, County, and City
- First Responders - State & Local Police, Fire Department, Federal
- Schools - K-12, College and Universities
- Public Locations
- Mass Transit Administrations - Stations, Vehicles
- Hospitals
- Port Authorities
- Stadium Authority
- Department of Natural Resources
- Departments of Public Works
Thank you.
Questions?

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