Wisconsin Department of Transportation’s (WisDOT) Traffic Video Recording Success

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T3 Webinar
• 24/7/365 statewide resource & communications hub
• Manage congestion & improve **Safety, Mobility, and Efficiency** on state highways
• Managed by WisDOT Traffic Operations Program
1995 Established SE Region 24/7 TOC & TIME Program. Cameras installed in Milwaukee Area
1999 Cameras installed in Madison Area
2007 24/7 Recording begins
2008 Cameras installed in other parts of state
2013 288 Cameras installed
2016 418 Cameras installed
Surveillance
- 418 Closed-Circuit Television (CCTV) Cameras
- 1,400 Main Line Detectors & Congestion Maps
- Public Safety Computer-Aided Dispatch (CAD) from 3 sheriff’s departments and Wisconsin State Patrol
- Road Weather Information Systems
Traffic Flow Management

- Ramp Control:
  - 133 Meters
  - Gates
- Traffic Signal Systems

Traveler Information/Traveler Warning

- 511 - Phone (over 160K calls in ‘15) & Web Site (over 2.25 million visits in ‘15)
- 142 Dynamic Message Signs (DMS)
- 124 Portable Changeable Message Signs (PCMS)
- 14 Stations - Highway Advisory Radio (HAR)
- Traffic Media Partnerships

Operational Partner Support

- Communication with response partners and neighboring states
Video Recording Practices

Recording

- Recording of all CCTVs in a 72-hour continuous loop
- Incidents and videos of interest can be offloaded to permanent storage where kept for 120 days.
- After 120 days, deleted in accordance with records retention policy
- Most video streams broadcast in standard definition (1.5 Mbps)
Video Requests

• Video requests can be verbal or written.
• Treated as open record requests; and unless releasing a video would violate one of a specific set of conditions, it is assumed that it will be released.
• Once an investigation is complete, the STOC can release the video.
• Most requested videos are burned to disk for release or supplied on flash drive.
• The STOC does not currently charge for this service.

886 video requests in 2015
CCTV Recording Benefits

Traffic Incident Management
• CCTV recording has enhanced TIM
• The use of CCTV to help with TIM and TIM training is an invaluable asset to WisDOT and first responders and improves TIM techniques and overall, increases safety
• Control room staff regularly noticing areas of improvement and best practices
  - Instantaneous benefits
  - Allows control room to coordinate response efforts
  - Assist with efforts (ramp gate closures, etc.) sooner

Video of ambulance approaching scene
CCTV Recording Benefits

Traffic Operations

• Monitor traffic patterns
• Monitor adverse weather conditions
• Measure length of back-ups and delays

Video #2

Video of spinout and driver moving to safety
Work Zone Operations

- Monitor work zone configurations
- Monitor traffic diversions
- Measure length of back-ups and delays

Video #3
CCTV Recording Benefits

Security & Law Enforcement

- Either by recording the crime itself, or enabling investigators to place vehicles or suspects at a specific time and location.
- Law enforcement criminal case assistance
- Control room staff regularly noticing areas of improvement and best practices
  - Notifying law enforcement
  - Allows faster confirmation and response
  - Verifying wrong way driver alerts

Video #4

Video of police pursuit