



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

T3 Webinar

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- 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





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*

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 #1

Video of ambulance approaching scene



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

Video of zipper merge



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