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Work Zone Safety Technology

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Mitigating Risks

http://www.workzonesafety.org/data-resources/wz-intrusion-prevention/

- National Efforts
  - Legislation
  - Public Education
  - Trade Associations

- Local Efforts
  - Compliance
  - Training
  - Innovation
  - State associations and DOT’s
  - Best Practices
3 Basic Applications

⚠️ **Active Work Zones** – Paving, Milling, or Construction Operations within (non-protected) lane closure

⚠️ **Merge** – MOT (cone) Trucks, Striping Operations, Sweeping Operations, First Responders, Road Rangers

⚠️ **Stationary Situation** – Flagging Station, Maintenance Crews, Lone Worker
AWARE Road Map

2016 Pilots - 8 States / 15 Crews

- System Works
- Lessons Learned
- Needs to be easy to use/install
- Needs to provide feedback

Texas A&M Transportation Institute
Lane Intrusion Detection

NY Thruway
AWARE SENTRY (Flagger Cart)

Muscle Shoals, Alabama
AWARE BASE STATION
Mobile, Web App & Database

- Easy log in and UI on iOS or Android phone or tablet
- Select /Assign Project – Map or list View
- Real Time Event Data and Alerts
- Near time visualizations tools
- Inventory Control & Management
- Scalable Hierarchy (customizable)
- Full Admin functionality
- Performance Metrics and Protected Zone Overview
- Clickable User Feedback during Development

Web App Dashboard
AWARE SENTRY

- Lighten the Weight (>50lbs)
- Increase light height and visibility
- Smaller more portable case
- Quick easy Set Up
- 15 Hours Battery Life

Proof of Concept

Prototype

New SENTRY
Thank you!

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