2017 LIFESAVERS CONFERENCE

Session 8: Forward to the Future: Technologies for Safer Walking & Biking

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PEDESTRIAN/BICYCLIST SAFETY STATISTICS

How Technology can make travel safer for pedestrians and bicyclists

What we are doing at USDOT in this area

Source: NHTSA Fatality Analysis Reporting System
- Improve safety and mobility of travelers in New York City through connected vehicle technologies.
- Vehicle to vehicle (V2V) technology installed in up to 8,000 vehicles in Midtown Manhattan, and vehicle to infrastructure (V2I) technology installed along high-accident rate arterials in Manhattan and Central Brooklyn.

- Alleviate congestion and improve safety during morning commuting hours.
- Deploy a variety of connected vehicle technologies on and in the vicinity of reversible express lanes and three major arterials in downtown Tampa to solve the transportation challenges.

- Reduce the number and severity of adverse weather-related incidents in the I-80 Corridor in order to improve safety and reduce incident-related delays.
- Focused on the needs of commercial vehicle operators in the State of Wyoming.
Development/Prototype/Testing Deployment Locations
OTHER RELATED USDOT RESEARCH

Transit Bus Stop Pedestrian Warning (TSPW)

Safe Intersection Crossing Application
Other Related USDOT Research (cont’)

- Assistive Technologies for Visually Impaired Persons Projects by FHWA’s Exploratory Advanced Research (EAR) Program
  - Enhancing Situation Awareness
  - Increasing Mobility
  - Extending the Event Horizon
- Coordination of Mobile Devices for Connected Vehicle Applications Project
- Vehicle to Pedestrian Testing of Market Ready Products
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