



ATSSA Expo 2014

Devices and ideas of interest in WZs

Statewide Work Zone Safety Committee
April 2014

Your Destination...Our Priority



Elements and ideas of interest

The National Work Zone Safety Info Clearinghouse

– www.workzonesafety.org



Circle of Innovation

▶ Distracted Driving

- End of queue detection
 - Some using portable rumbles (Oregon, MN, Kansas)
- Make large vehicles/TMAs more visible
- Change human behavior through campaign
 - How to validate that these are effective?
- Distracted drivers around snowplows



Circle of Innovation

► Signs

- Devices or design to protect sign work in exit gores
- Sign covers to protect signs from frost or snow
- Electronic signs
 - Luminance level (day and night)
 - Resolution/font size levels for full matrix signs



Circle of Innovation

- ▶ Roadway Maintenance
 - Funding options to maintain safety strategies
- ▶ Pedestrian Safety
 - Communicate need for TPAR to municipalities
 - Mid-block signals – what states are using
- ▶ Work Zones
 - In-vehicle warning system for approaching WZ
 - Intrusion alarms
 - Temp sign supports for 7 foot high signs



Circle of Innovation

▶ Intersections

- Signal head LED lenses – snow accumulation
- OSOS accommodations for monotube supports
- Distracted peds – guidance/techniques to influence them
- Educate legislators – red light running

▶ Miscellaneous

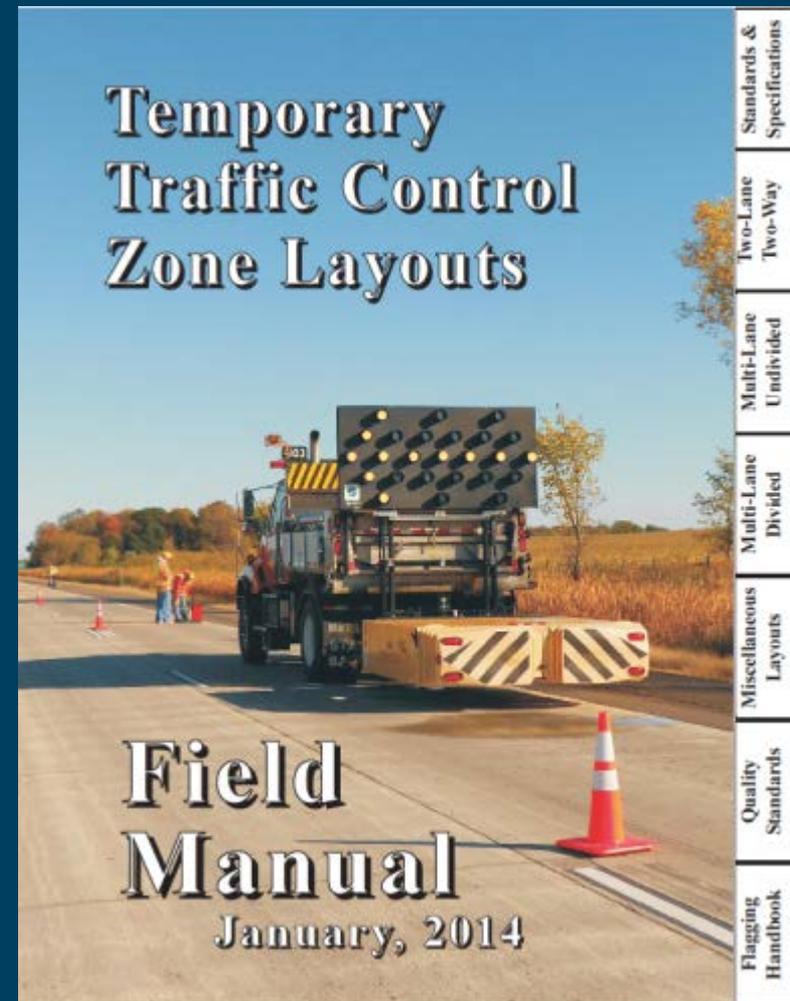
- Dedicated controller for ITS devices
- Speed limits increasing – crashworthy standards?



Powertalk session

ADA in WZs

- ▶ MnDOT guidance and standards
 - MN MUTCD & Field Manual
 - Diagrams
 - Temporary Walkway Surface
 - TPAC special provision
 - Attended vs unattended language
 - TPAR Audible Message Guidance



Powertalk session

ADA in WZs

► Discussion

- MI DOT has used MDI audible device with positive results
- Utility uses “site attendant”
- Florida DOT requires handrail on pedestrian channelizer
 - They have at least 2 devices on their APL
- TPAR allowance idea brought up
 - TTC contractor, Prime, & Agency staff can add devices
- 3D printer for tactile map
 - use wayfinding tone



New Products Showcase



pi-lit traffic guidance system



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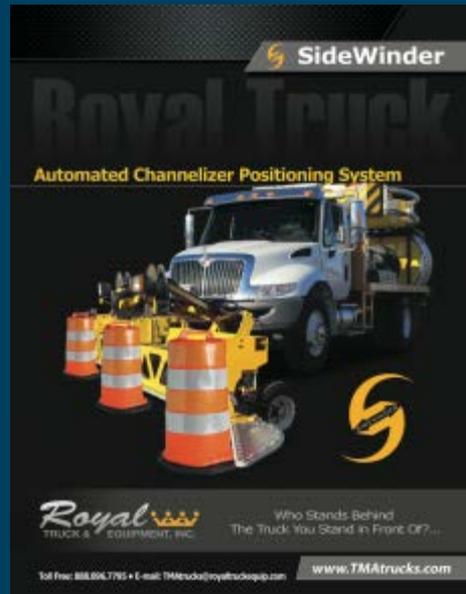
New Products Showcase



Solar WZ BlinkerSign
Crashworthy Trailer



New Products Showcase



Sidewinder Automated Channelizer Positioning System

