



ATSSA Expo 2015

Devices and ideas of interest in WZs

Statewide Work Zone Safety Committee
March 2015

Your Destination...Our Priority



Elements and ideas of interest

The National Work Zone Safety Info Clearinghouse

– www.workzonesafety.org



Breakout Session

Best Practices in Nighttime WZs

▶ North Carolina, Washington, Virginia

▶ Night ops necessitated by volume

▶ Problems at night:

- Fewer vehicles
- Higher speeds
- More truck-trailer traffic
- More impaired driving



Breakout Session

Best Practices in Nighttime WZs

- ▶ March 2014 – national query requesting input from states on how night WZs addressed
- ▶ Common issues among states:
 - Glare from light plants
 - Worker protection
 - Flagger lighting
 - Task lighting
 - Vehicle lighting



Breakout Session

Best Practices in Nighttime WZs

▶ North Carolina

- Issues with Pavement Markings
 - working on stronger specifications
- Lighting concerns – going to try:
 - Light towers throughout the WZ
 - Advance warning area through the work area
- Will spec out “non-glare” or balloon lighting
 - All three states advocated for



Breakout Session

Best Practices in Nighttime WZs

▶ Washington

- Record video drivethroughs of WZs
- Requires lighting plants in crossovers
- Concern with signs not being taken down when not needed
 - All states have issue with this
- New ANSI Standard coming out this year



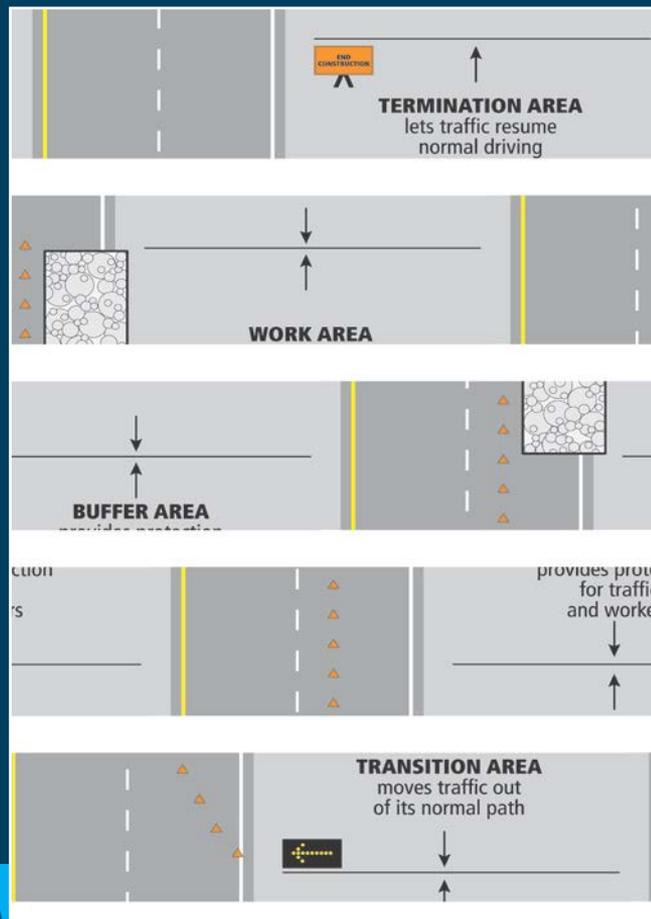
Breakout Session

Best Practices in Nighttime WZs

▶ Virginia DOT 2012–2013 WZ Crash Statistics

Location in the Work Zone

#1 Crash - Rear End Collision



2.0 %
crashes

65.8 %
crashes

12.4 %
crashes

19.8%
crashes



Breakout Session

Best Practices in Nighttime WZs

- ▶ Virginia DOT – different than MN
 - ANSI Class 3 Garments Required Day or Night
 - Work vehicles entering/leaving WZ required to have 48" x 18" sign
 - Delineator panels 8" x 12"
 - 1000' taper on all interstate lane closures



Breakout Session

Best Practices in Nighttime WZs

- ▶ Virginia DOT – nighttime problems even with specifications
 - Glare, visibility of TCDs, and proper illumination
 - Nighttime run through inspections are not happening
 - Not just Virginia



New Products Showcase

Platelocks – Manhole risers



New Products Showcase

pi-lit sequential road flare



<https://vimeo.com/107530378>



New Products Showcase



Trafficalm – ZoneAlert Work Zone Warning System



New Products Showcase



Illumagear – Halo Light



New Products Showcase



Plastic Safety Systems – Boardwalk



Seen on Floor



Seen on Floor

- ▶ New Products
- ▶ iCone
 - Flagging Monitoring (North Carolina and California)
 - SubPart J Performance Metrics
 - Monitoring remote operations
 - Incorporate flagging into TMC Operations
 - Queue Detection System
 - Evaluated in Texas and Michigan

