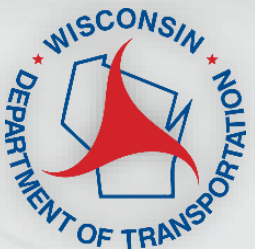


WisDOT Traffic Updates

Andy Heidtke, PE
Statewide Work Zone Design Engineer

Golden Shovel Conference
The Ingleside Hotel, Pewaukee, WI

February 13th, 2019



Overview

- Work zone program
- Work zone crashes
- Work zone inspections



Why work zones?

Work Zone Safety and Mobility Rule

- Final Rule by FHWA published Sept. 9, 2004
- All states that receive Federal-aid highway funding
- Provide a systematic and structured approach to work zone traffic management
- Emphasize safety and mobility
- Development of TMPs and TCPs
- Data-driven improvements to WZ policy/process/procedures

Work Zone Program



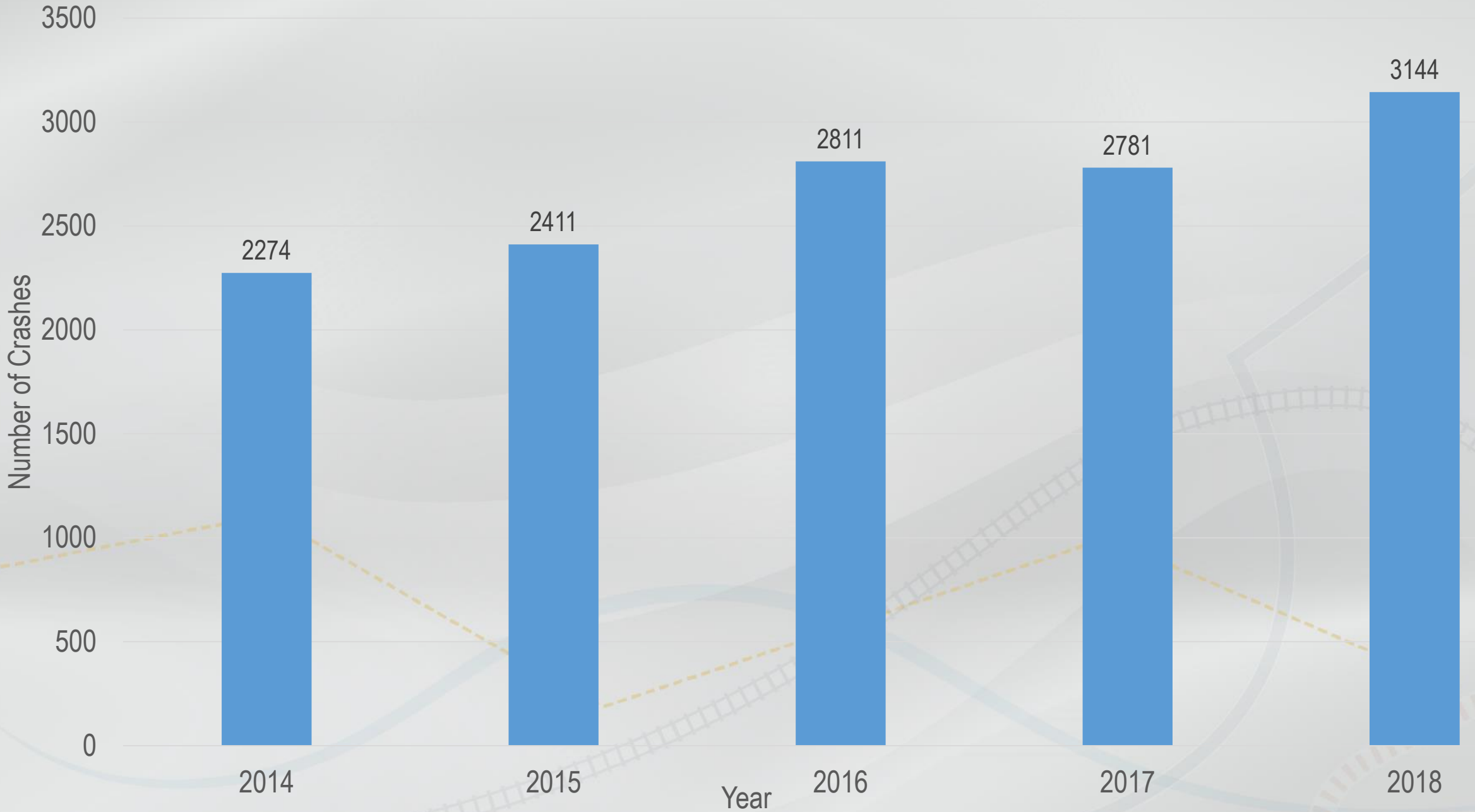
Crashes

- Total Work Zone Crashes per year 2014-2018
- Crash Severity per year 2014-2018
- Crash Location 2017-2018
 - Data began being collected in 2017 with updated crash report form
- Crash Type 2014-2018



All 2018 crash data is preliminary

Total Work Zone Crashes per Year 2014-2018

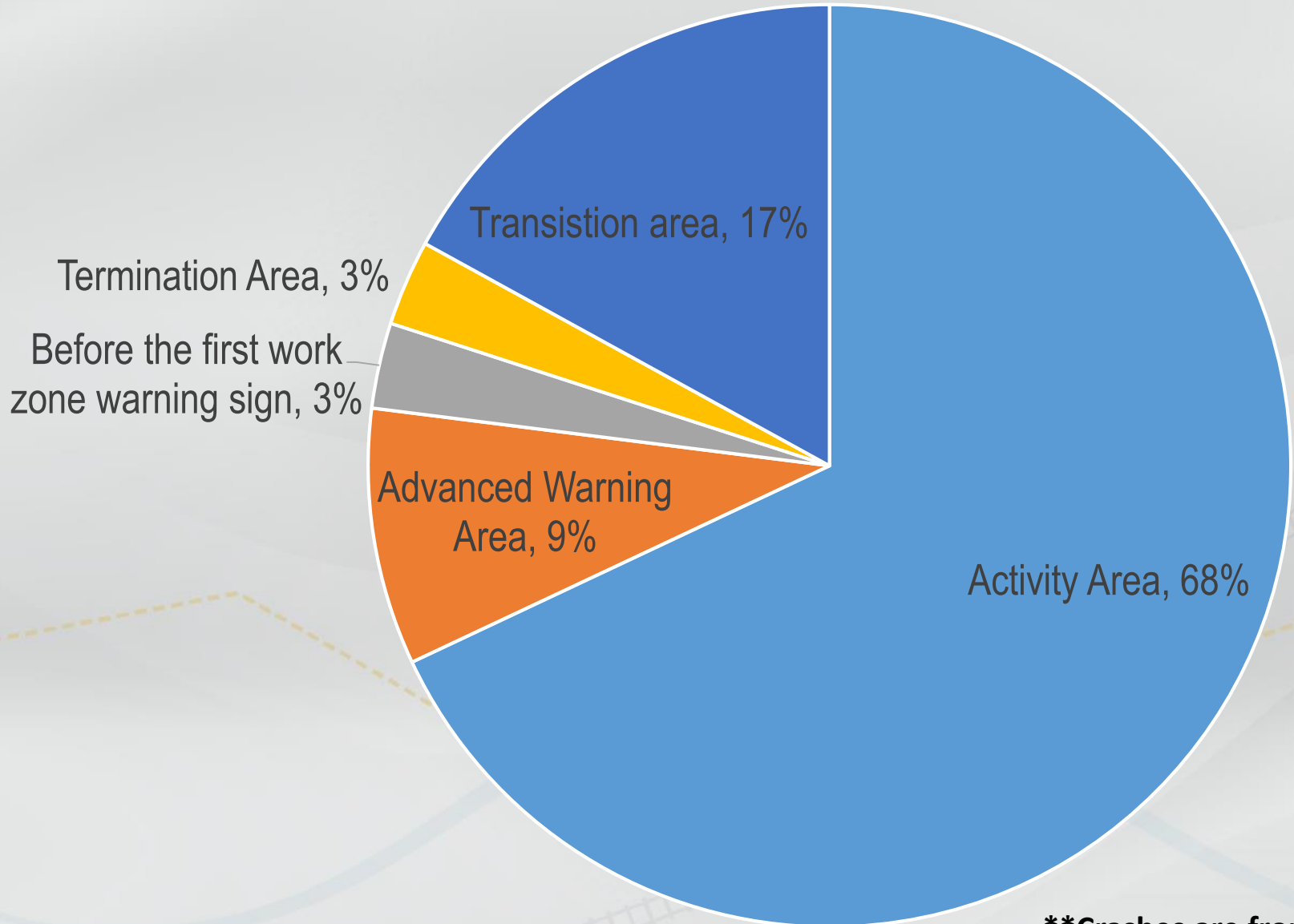


Crash Severity per Year 2014-2018

YEAR	A	B	C	K	PDO	TOTAL
2014	49	185	369	11	1660	2274
2015	42	213	398	12	1746	2411
2016	49	286	412	8	2056	2811
2017	59	350	348	6	2018	2781
2018*	60	337	452	9	2286	3144
TOTAL	259	1371	1979	46	9766	13421
%	1.9%	10.2%	14.7%	0.3%	72.8%	100%

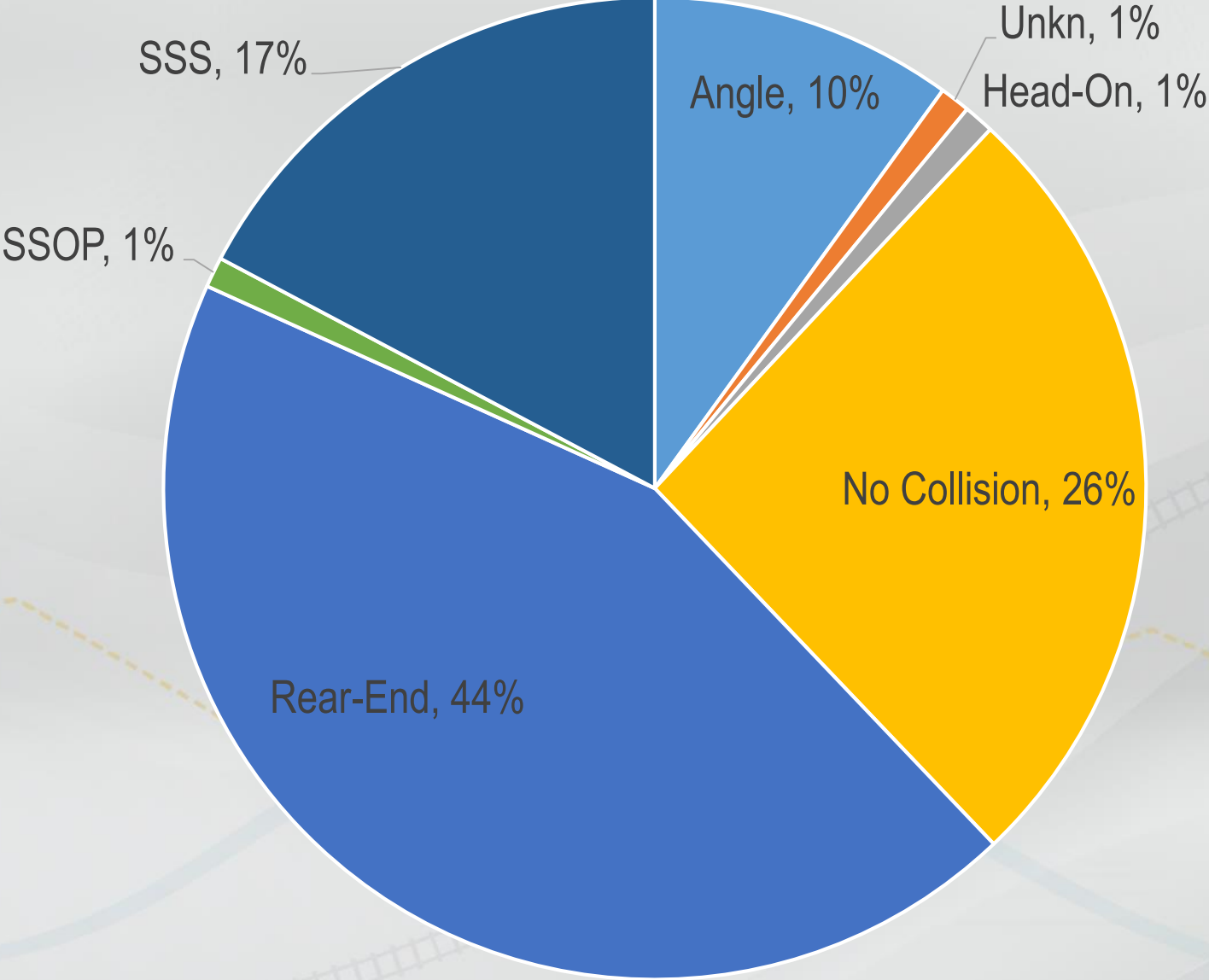
*2018 Preliminary Results

Crash Location 2017-2018



****Crashes are from January 1, 2017 to October 10, 2018**

Crash Type 2014-2018



2018 Work Zone Inspections

- 144 work zone inspections completed
- Survey the quality and effectiveness of the devices and strategies
- ATSSA Quality Guidelines for device standards
- Used SDDs and WisMUTCD for layout
- Wisconsin Lane Closure System checked
- Improvement, maintenance, and utility all reviewed

Advance Warning Area Issues

- PCMS messaging
- Sign supports
- Poor sign condition



Transition Area Issues

- Dim arrow boards
- Non-fluorescent orange drums



Activity Area Issues

- Pavement Marking and Removal
- Channelizing devices



Termination Area, Detours, Crossroads Issues

- Missing End Road Work sign
- Detour sign mounting
- Intersection drum spacing



Flagging Issues

- Temporary Portable Rumble Strip use and spacing
- Advance warning area signing
- Training



Pedestrian Accommodations

- Maintenance of accommodations
- Vehicles parking on open sidewalks



Questions?

The background features several overlapping, semi-transparent wavy lines in shades of light blue and grey. A prominent dashed orange line zig-zags across the lower half of the image. In the bottom right corner, there is a faint grid pattern that appears to be part of a larger graphic element, possibly a chart or a data visualization.