



# Work Zone Enforcement

2023 Highway Safety & Operations Conference





# Traffic Issues in Work Zones



# Large Truck Involved Crashes

Large Truck Crashes as Percent of All Crashes						
Crash Type	2018	2019	2020	2021	2022	2023*
Large Truck Crashes	13,409	13,611	12,247	13,962	14,128	9,650
All Crashes	208,634	204,895	175,296	193,050	185,748	129,786
Percentage	6.4%	6.6%	7.0%	7.2%	7.6%	7.4%

\*YTD 09/30/2023

Large Truck Work Zone Crashes as Percent of All Work Zone Crashes**						
Crash Type	2018	2019	2020	2021	2022	2023*
Work Zone Large Truck Crashes	617	633	645	778	691	437
Total Work Zone Crashes	3,769	3,942	3,271	3,561	3,047	2,012
Percentage	16.4%	16.1%	19.7%	21.8%	22.7%	21.7%

\*YTD 09/30/2023

\*\*Unknown work zone crash type excluded.

# Large Truck Involved Crashes

Fatal & Serious Injury Crashes						
Crash Type	2018	2019	2020	2021	2022	2023*
Involving a Large Truck	460	480	459	542	545	356
All Fatal & Serious Injury	5,599	5,514	5,582	6,108	6,025	4,747
Percentage	8.2%	8.7%	8.2%	8.9%	9.0%	7.5%

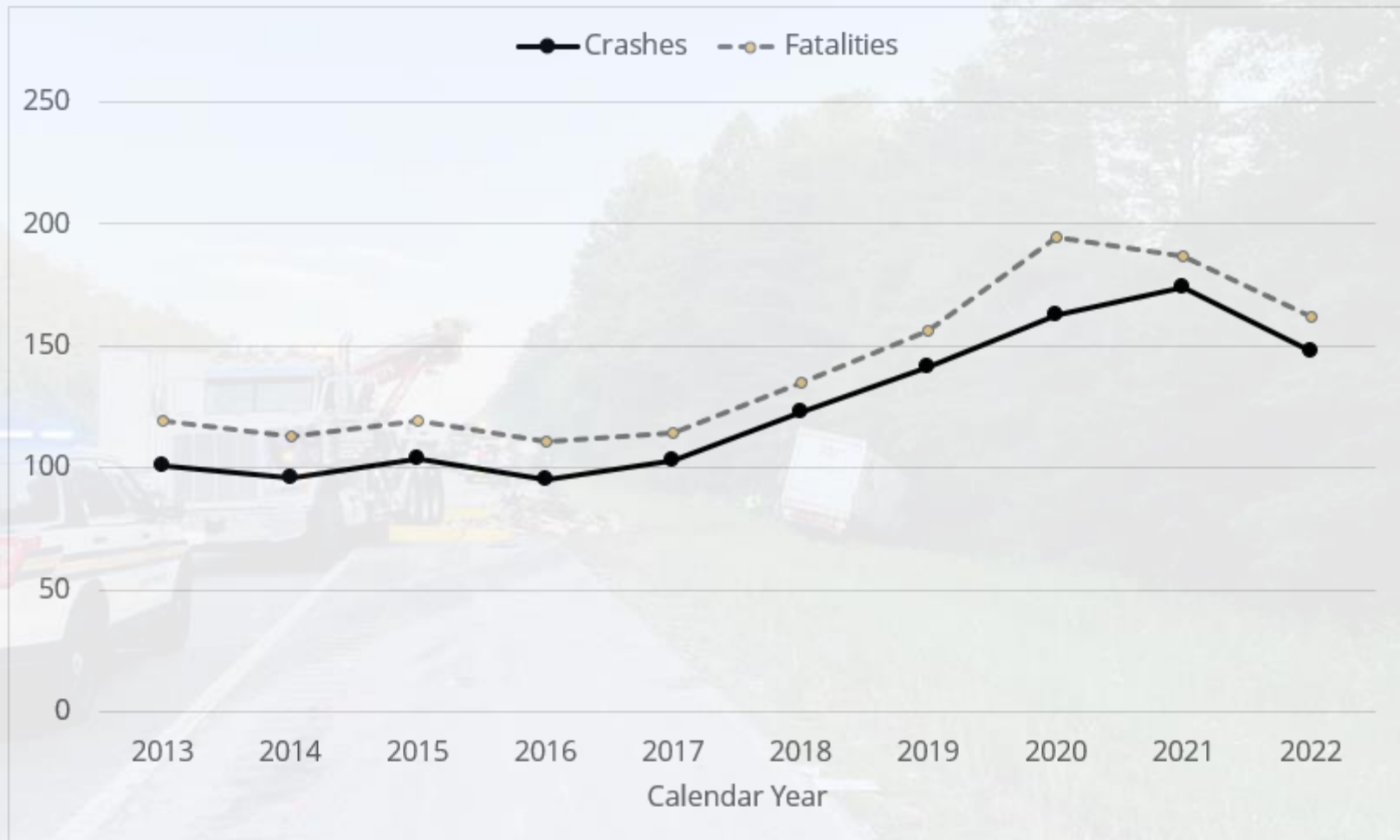
\*YTD 09/30/2023

Work Zone Fatal & Serious Injury Crashes**						
Crash Type	2018	2019	2020	2021	2022	2023*
Work Zone Large Truck Crashes	19	21	22	31	29	14
Total Work Zone Crashes	96	93	79	106	101	62
Percentage	19.8%	22.6%	27.8%	29.2%	28.7%	22.6%

\*YTD 09/30/2023

\*\*Unknown work zone crash type excluded.

# TN Large Truck Involved Fatal Crashes



# 2023 TN Truck Involved Fatal Crashes

Hour of Day	Day of Week							Total
	Sun	Mon	Tue	Wed	Thu	Fri	Sat	
0:00-2:59		6	1	2	3	1		13
3:00-5:59		2	1	1	3	2		9
6:00-8:59	1	5	3	4	5	3		21
9:00-11:59	1	4	2	3	3	2	2	17
12:00-14:59	1	5	3	4	7	2	1	23
15:00-17:59	2	4	1	3	3	5		18
18:00-20:59		7	2	6	2	1		18
21:00-23:59		4		2	1			7
<b>Total</b>	5	37	13	25	27	16	3	126

29.4%

19.8%

21.4%



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# Work Zone Overtime Project



# Grant Funding

- Federal Motor Carrier Safety Administration (MCSAP)
- High Priority Grant
- \$138,240 annual overtime salary costs FY 2023 budget
  - Funds approximately 1,700 overtime hours per year
  - Overtime pay depends on Officer's base salary
  - Voluntarily worked by Troopers and Sergeants

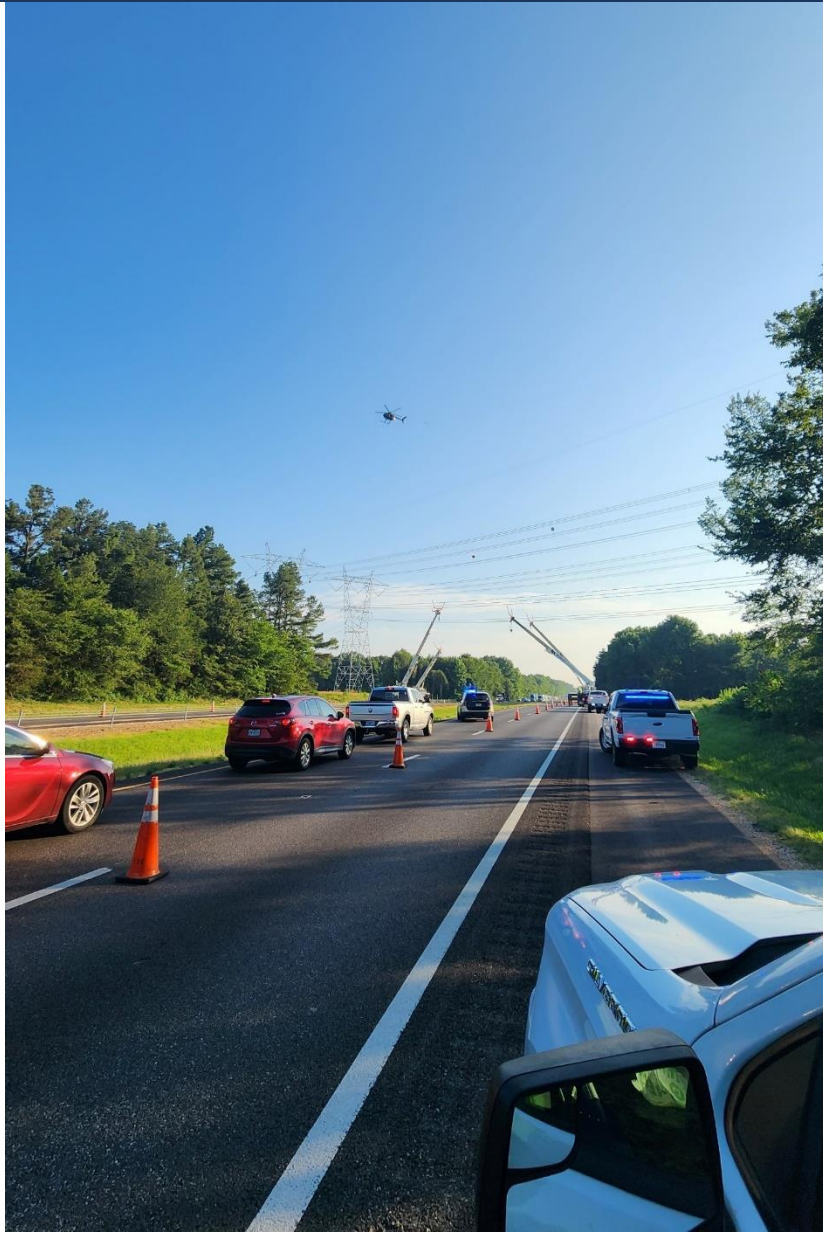
# Purpose

- Reduce work zone crashes and fatalities through targeted enforcement
- Focus on both commercial and non-commercial vehicles traveling through a designated work zone

# Objective

- Provide a presence in a TDOT work zone to ensure both commercial and non-commercial motorists adhere to the changing roadway routes within the designated speed limit zones.

# Enforcement Focus – Driver Behaviors



- Speeding
- Driving Under the Influence
- Distracted Driving
- Following Too Closely
- Failure to Maintain Proper Lane of Travel



# Enforcement Focus – Commercial Vehicles

- Target commercial motor vehicles with observable federal regulation violations



# Trooper Overtime Requirements



- Minimum of two (2) contacts per hour
- Additional, one (1) North American Standard inspection for every four (4) hours worked

# Enforcement Areas

- THP District Data Coordinators (DDC) coordinate with TDOT in their districts to identify work zones that will be suitable for the TDOT Work Zone Enforcement program.
  - Focus on spring, summer, and fall paving season
  - Work zone can be active with workers present or not active

# Work Zone Enforcement





# Public Education

- Increase education promoting work zone safety
  - Increase awareness via social media avenues
  - Add sessions during the CMV portion of the annual THP citizen's academy regarding work zone safety



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Example

# I-65 Construction Project

- One of the largest projects in TDOT's history
  - Widening the interstate from MM 112 to MM 121
  - Building a new and much larger Inspection Facility
  - Project began September 2021
  - Anticipated completion December 2025

# I-65 Work Zone



**DEADLY CRASH ON I-65 N**  
ROBERTSON CO.



# I-65 Work Zone





Smokey Barn  
**NEWS**





USDOT 3055431  
MC 052104  
IN 530263

**DSM**  
TRUCKING  
ELIZAVILLE, INDIANA

**SBN** Smokey Barn  
**NEWS**



**SMOKEY BARN NEWS**



# TDOT & THP Efforts

- TDOT initiated crash mitigation strategies
  - Reduced the speed limit
  - Reduced the number of construction entrances and exits
- THP Work Zone Overtime Project
  - Enhanced enforcement



## Robertson County, TN, I-65, Mile Marker 112 to 121

Date Range	Crash Count	Crashes Involving Large Trucks	Percent Crashes Involving Large Trucks	Fatal / Serious Injury Crashes	Fatal / Serious Injury Crashes Involving Large Trucks	Percent Fatal / Serious Injury Crashes Involving Large Trucks
09/23/19 - 09/22/20	128	34	26.56%	5	2	40.00%
09/23/20 - 09/22/21	126	39	30.95%	5	1	20.00%
09/23/21 - 09/22/22	236	93	39.41%	11	4	36.36%
09/23/22 - 09/22/23	232	91	39.22%	5	3	60.00%

Source: Tennessee Department of Safety & Homeland Security, TITAN Unit, 10/20/2023 (TITAN database).

# Work Zone Overtime



[Return to THP Data Tools](#)

Premium Overtime - Time Accountability Report  
4/1/2023 - 9/30/2023

Select Begin Date

4/1/2023

THP District (Trooper)

(All) ▼

THP District OT Work

(All) ▼

Grant Name

WORK ZONE MCSAP ▼

Select End Date

9/30/2023

County (Trooper)

(All) ▼

County OT Work

(All) ▼

Report Status

(All) ▼

■ Approved ■ Total

Grant	District OT Work	Troop (Counties of Work)	Report Status	2023						Total	
				April	May	June	July	August	September		
WORK ZONE MCSAP	02	A	Approved				16.0	12.0	16.0	44.0	
		03	B	Approved				20.0			20.0
		D	Approved						5.0	5.0	
		E	Approved	8.0	80.0	8.0	4.0	16.0	28.0	144.0	
		F	Approved				30.0		24.0	54.0	
		G	Approved			4.0	16.0	79.0	24.0	123.0	
	05	C	Approved						4.0	24.0	28.0
		D	Approved						2.0		2.0
		F	Approved							4.0	4.0
	06	D	Approved			44.0	28.0	8.0	12.0	92.0	
		E	Approved	8.0						8.0	
	07	A	Approved		12.0	4.0	20.0	28.0	27.0	91.0	
		B	Approved				8.0			8.0	
	08	A	Approved			20.0	20.0			40.0	
B		Approved	26.0		109.0	70.0	25.0		230.0		
D		Approved			20.0				20.0		
Total				42.0	112.0	189.0	232.0	174.0	164.0	913.0	

# Contact Information



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