

Work Zone Management:

How to create a safer and more productive work zone

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Agenda

- Work Zone Safety Statistics
- Work Zone Strategies
 - Alternate TTCP
 - Technology and Innovation:
 - Developmental Specifications
 - Smart Work Zone
 - Work Zone Collision Detection and Avoidance System
- Work Zone Speed Control
 - Know the differences between Traffic Control Officer (TCO) and Speed and Law Enforcement Officer
 - TCO Responsibilities
 - FHP Hireback Program & Other Programs

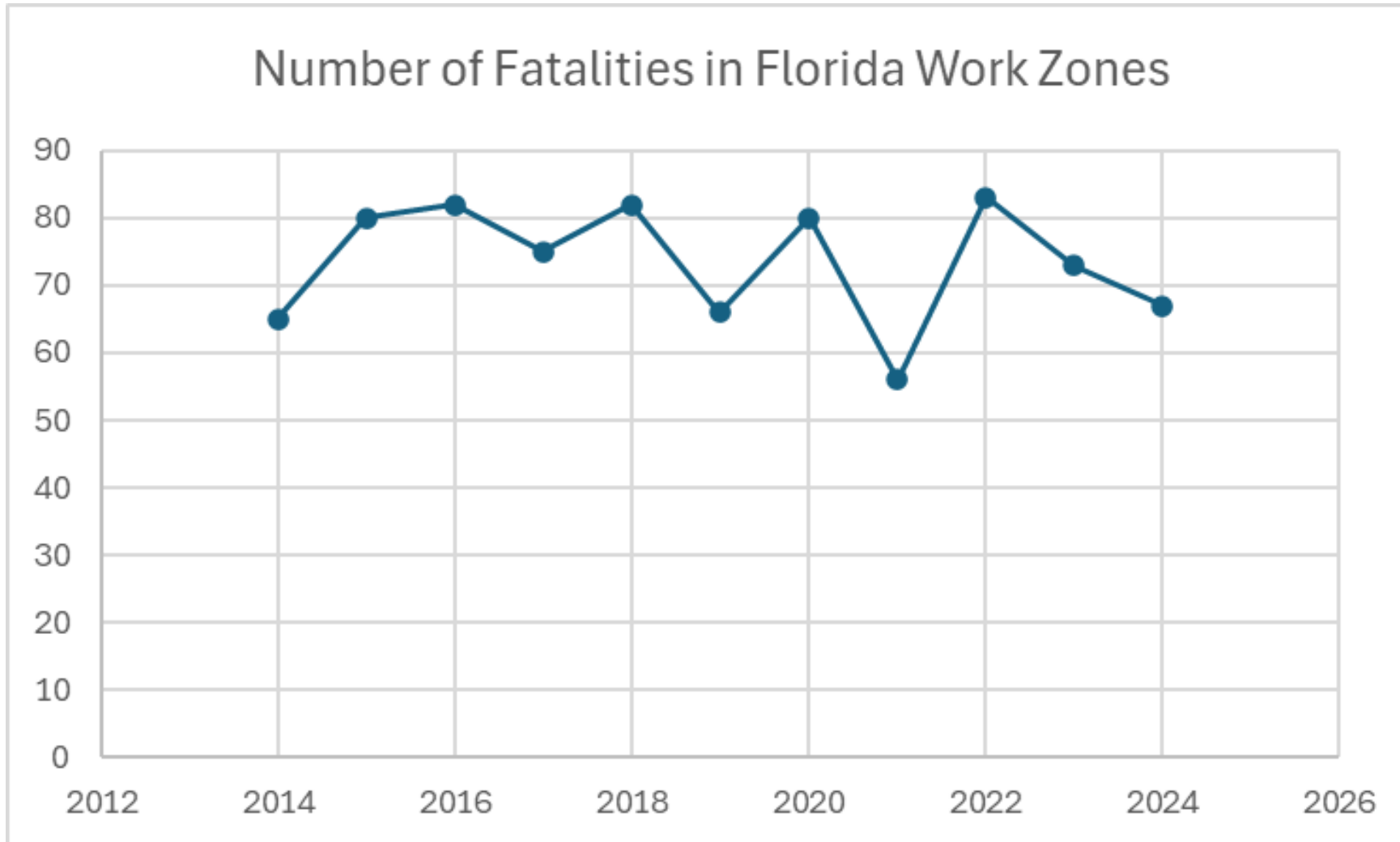


Work Zone Safety Statistics

- Florida has the 3rd highest number of fatal traffic crashes in work zones in the nation
- A work zone crash occurred once every hour in Florida.
- Every day, 7 work zone crashes occurred that resulted in at least one injury.
- Every week, 1 work zone crash occurred that resulted in at least one fatality.
- Crashes occurring in Work Zones are 73% more likely to result in fatality and 32% more likely to result in serious injury compared to crashes which occur outside work zones.
- *Source: Signal 4 Analytics*



Work Zone Safety Statistics



Work Zone Strategies

- Apply Standard Plans Index when applicable
 - Coordinate with CEI
- Alternate TTCPs
 - When and how should you use Alternate TTCPs? (Specification 102-4)
- Use of Traffic Control Officers



Work Zone Strategies

- Utilize Technology and Innovation
- Developmental Specifications
 - Smart Work Zones (DEV102-990SWZ)
 - [Smart Work Zone Guidebook](#)
 - Technologies to assist with driver notification and traffic control through work zones
 - Work Zone Collision Detection and Avoidance System (DEV102-990WZCD)
 - Protect workers from errant vehicles in the work zone
 - Alert drivers when entering a work zone



Work Zone Collision Detection and Avoidance System (DEV102-990WZCD)



SMARTCONE
LEADING THE EDGE



Work Zone Collision Detection and Avoidance System (DEV102-990WZCD)



Work Zone Strategies



• Dos

- Conduct pre-work safety meetings with team
- Use approved TTC Plans
- Ensure visibility of workers, equipment, and signage
- Monitor work zone conditions
- Coordinate with law enforcement
- Document safety measures for accountability and improvement



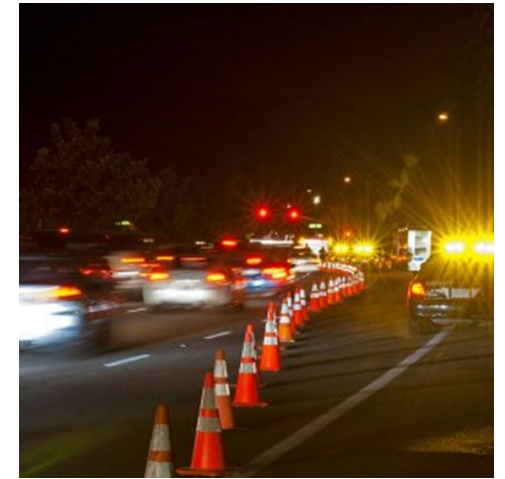
• Don'ts

- Assume standard plans apply without verifying site specific needs
- Implement modified TTC Plans without written approval
- Neglect worker training
- Overlook nighttime visibility, proper lighting, and reflective gear
- Delay reporting incidents or near-misses that can be used for future improvement



Work Zone Speed Control

- Traffic Control Officer (Specification 102-7)
 - Off-duty Law Enforcement Officer
 - Required for the following operations:
 - When directing traffic/overriding the signal in a signalized intersection.
 - When nighttime mobile operations are used on freeway facilities (interstates, toll roads, and expressways) for work within the travel lane.
 - When traffic pacing is called for in the TTCP or approved by the Engineer.
 - When pulling conductor/cable above an open traffic lane on limited access facilities, when called for in the TTCP or approved by the Engineer.
 - When a Temporary Road Closure is used.
 - When performing lane closures during nighttime operations on roadways with posted speed limits 55 mph or greater
 - Traffic control officers may be used for operations other than those listed above



Work Zone Speed Control

- Speed and Law Enforcement Officer
 - On-duty Law Enforcement Officer
 - Enforcing speed and traffic violations in the work zone
- FHP Hireback Contract
 - Contract between FDOT and FHP to have on-duty FHP Officers patrol work zones for traffic violations
- Districts using Local Law Enforcement Officers
 - Enhanced Law Enforcement Engagement (ELEE) Program
 - Grant funded



Thank you!

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