

INDOT
Bridge Inspection
Work Shop
2018



Introduction

Steve Harmon

Statewide Safety Technical Specialist

Email: sharmon1@indot.in.gov

Cell: 317-408-5094



INDOT

Fundamental Concepts and Components of Traffic Control

Section 1



Fundamental Principles

- Plan For Safety (Do I need traffic control from maintenance?)
- Minimize Interference
- Provide Clear & Positive Guidance
- Routine Inspection of Elements
- Roadside Safety



Workzone Time Frame/Location

- Work Duration
 - Short Term (1-12 hours)
 - Short Duration (up to 1 hour)
 - Mobile (intermittent or continuous)
 - Intermediate Term Stationary (overnight to 3 days)
 - Long Term Stationary (more than 3 days)
- Work Location
 - Off of Roadway
 - On Shoulder
 - On Roadway

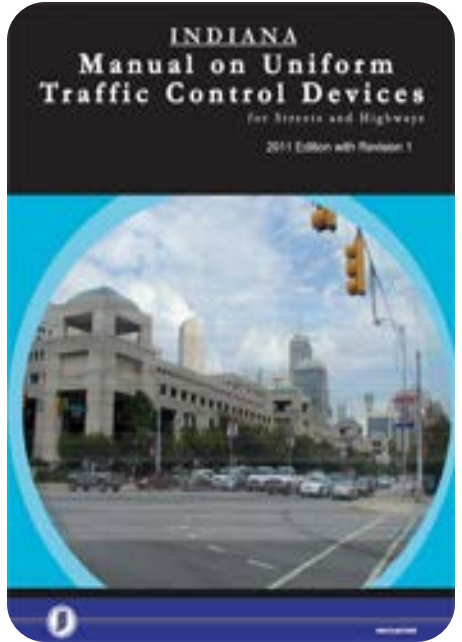
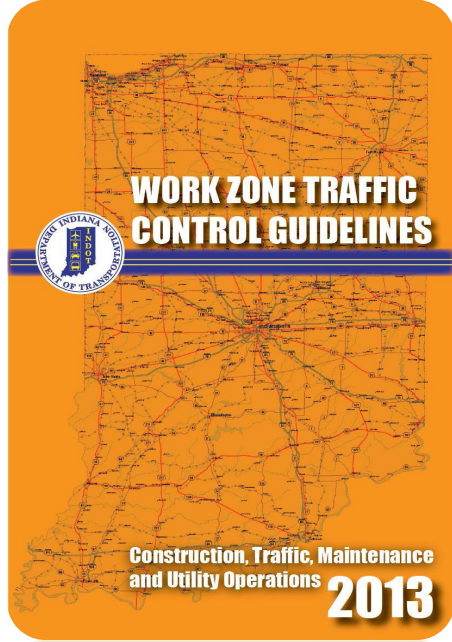


Work Zone Traffic Control Handbook

Work Zone Traffic Control Guidelines

2013-Current

Indiana Manual on Uniform Traffic Control Devices



Work Zone Traffic Control Handbook

- **Purpose of the Handbook**
- **Provide a quick reference**
- **Meets the requirements of the IMUTCD**
- **Adds some typical installations**



Understanding Manual Definitions

Shadow vehicle for INDOT shall have a minimum weight of 10,000 lbs. A load of sand may be required to obtain the minimum weight, but it should not be permitted to freeze during winter operations. If a TMA is used, the truck shall be loaded per the TMA manufacturer's specifications. Shadow vehicles should be parked parallel to traffic and have the front wheels angled away from traffic.

Definitions of Terms

Shall/Mandatory - Required condition.

Should/Recommend - An advisory condition. Where these words are used, they are considered to be advisable usage.

May/Optional - A permissive condition. No requirement for design or application is intended.

Not for INDOT use - Not for use on INDOT roads.

For work not specifically covered in this WZTCH, the IMUTCD will need to be consulted, but where this WZTCH has added devices, etc, this WZTCH shall take precedence.



Information

Where do I find the different manuals, forms, and other information?

ERIN for INDOT employees

<http://intranet.indot.state.in.us/safetyweb/wzsafety.asp>

Or for public

<https://www.in.gov/indot/files/WorkZoneTCH.pdf>

IMUTCD

[http://www.in.gov/dot/div/contracts/design/mutcd/2011files/IMUTCD%20Table%20of%20Contents%20&%20Intro%20\(adopted\).pdf](http://www.in.gov/dot/div/contracts/design/mutcd/2011files/IMUTCD%20Table%20of%20Contents%20&%20Intro%20(adopted).pdf)



Training Opportunities

- **ATSSA (*American Traffic Safety Services Association*)**
- **Course Offerings**
 - **Traffic Control Technician**
 - **Traffic Control Supervisor**
 - **Traffic Control Design Specialist**
 - **And More!**
- **Check out the ATSSA Work Zone Safety Grant Training**

<https://www.atssa.com>



INDOT

Fall Protection Basics

Section 2



The Need

- Each year, falls represent one of the leading causes of workplace fatalities and injuries. In fact fall protection is the most commonly cited violation by OSHA each year.
- In 2014 there were 7,120 citations for fall protection Working at height has been recognized as dangerous.
- According to the CDC an average of 540 workers die from falls each year.
- Stringent requirements for fall protection have been created by the American National Standards Institute (ANSI) and Occupational Safety and Health Administration (OSHA)



When Do I Need To Tie Off?



When Do I Need To Tie Off?

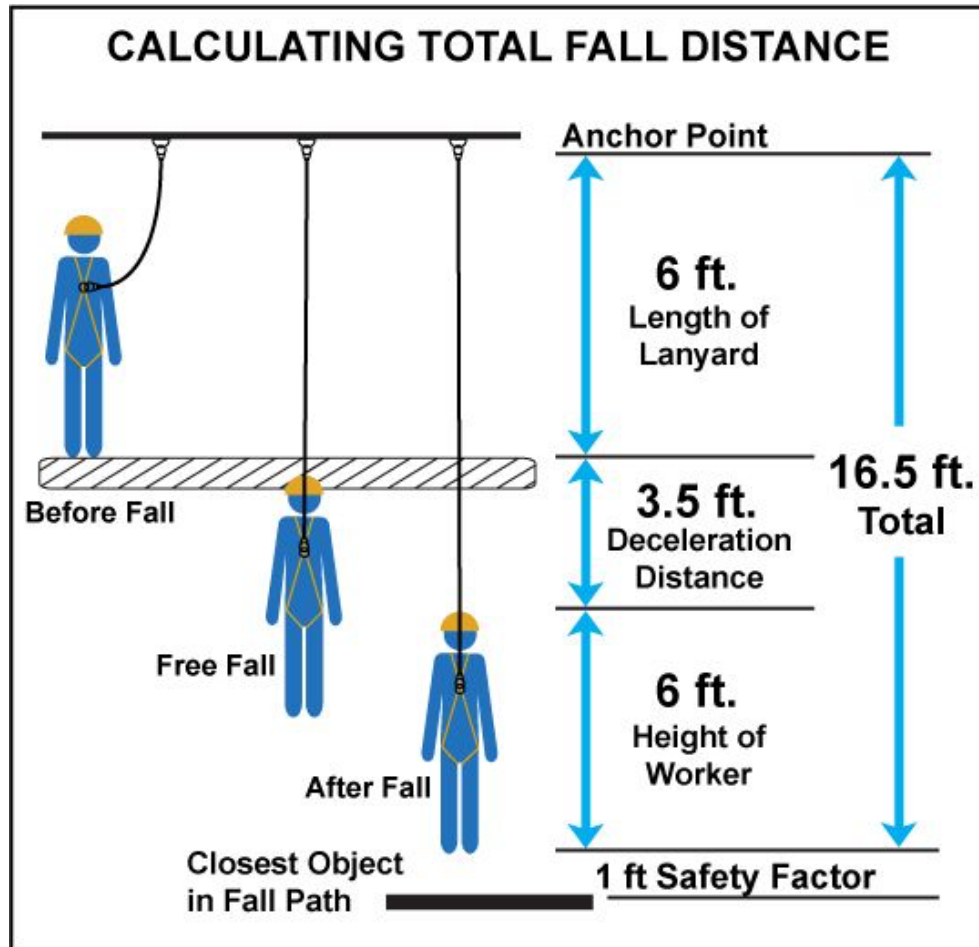
- Construction Site 6'
- General Industry 4'
- In a Bucket truck or Lift (*Fall Restraint Only*)
- Anytime a hazard is below you!



KNOW What you tie off to!



Calculating Fall Distance



Rescue

- OSHA States you SHALL have a rescue plan in place.
- Can we just call 911?
- 15 minute window to get someone down



Rescue Scenario



Training

- Fall Protection Training & Certification is required every 2 years.
- Rescue should be apart of your training
- Who can provide you with training
 - Visit SPRAT at <https://sprat.org/>
 - INDOT provides training to internal employees only.



Thanks for your time!
Questions?

