



**AUDIOVISUAL SERVICES PROVIDED BY**





**Midwest**

**DAMAGE PREVENTION TRAINING CONFERENCE**  
**2023 • FRENCH LICK, IN**



# Resources for Effective Traffic Management

*Presented by: Marisah Darling & Billy Ingles*



*THIS SESSION IS SPONSORED BY*



# HONEST COURSE OBJECTIVE

- Keep you from falling asleep
- Keep you from playing games on your phone
- Take your mind off how your going to explain to your husband or wife about the money you've lost gambling.
- Keep your attention and hope for positive interaction



# THE REAL OBJECTIVE

- Discuss the importance of planning and preparation
- List Most Common Types of Traffic Management Devices
- Define a Flagger, their responsibilities, qualifications, equipment and training required.
  - Discuss the Advantages of using Flaggers



# Traffic vs Work Zone Statistics



- Highway work zones are hazardous both for motorists who drive through the complex array of signs, barrels, and lane changes, and for workers who build, repair, and maintain our streets, bridges, and highways.
- According to the Indiana Department of Labor, transportation-related fatalities are the most common cause of death for workers across the country. Nationally, there are approximately 40,000 crashes in work zones every year. This results in about three deaths everyday in a work zone.
- Areas where traffic is entering or leaving the work zone are the most dangerous. Between 2017 and 2019, approximately 45% of Highway Worker Fatalities at Road Construction Sites were workers who were on foot and struck by a moving vehicle.
- A report conducted by the Bureau of Labor Statistics identified that the state of Indiana was ranked 4th overall as having the most worker deaths at road construction sites within a 10 year period from 2011-2020. As Hoosiers, we need to work together to ensure the safety of our road workers and travelers.



# Traffic vs Work Zone Statistics



- Appropriate traffic control must be implemented at all worksites to ensure the safety of both road workers and travelers. Using flaggers is one of the best ways to prevent accidents in work zones. A number of research studies have been conducted to evaluate the effectiveness of using flaggers in work zones.
- According to a study conducted by Marquette University, it was concluded that having the presence of a Traffic Control Flagger or Police Officer in a work zone could reduce the odds of a severe crash being caused by 54%.
- Another study identified by the Illinois Center for Transportation concluded that there was a high level of effectiveness in reducing the risk of crash occurrence when using flaggers in a work zone.



# Planning and Preparation

- What are some common questions you ask yourself before starting a job?
- Does every job allow for a planning and preparation session/conversation?





# Common Types of Traffic Management Devices

- Cones/Barrels/Delineators
  - Message Signs/Signals
- Road and Pavement Markings
- Warning Lights/Arrow Displays
  
- AHHH Yes, use of FLAGGERS  
(Good ol Manual Labor)





# What is a Flagger?

A flagger can be defined as a competent person who is in charge of directing traffic within a construction site or work zone. They ensure the safety of all people involved by controlling the flow of traffic, communicating to drivers and pedestrians about the conditions ahead, and following safety protocols.



# Responsibilities of a Flagger

- Identify and place the channeling devices that will be used in a work zone such as barriers, signs, and cones
- Help drivers navigate through the site and avoid potential hazards.
- Communicate with construction workers about approaching vehicles and pedestrians.
- Manage traffic flow and reduce congestion.
- Enforce safety procedures and regulations throughout the construction site.



# Qualifications & Training

Training and Qualifications vary by State. In the state of Indiana, Flagger Certification Training is not required to work as a Traffic Control Flagger. Although training is not required, it is strongly recommended.

Recommended Training and Qualifications:

- Nationally recognized ATSSA Flagger Training.
- Good physical fitness to be able to stand for long periods and maintain focus and attention.
- Ability to work well under pressure and remain calm in difficult situations.
- Grit and determination to work in challenging work environments (weather, traffic noise, etc.)



# Importance of Adequate Training

Adequate Flagger Training will cover a variety of aspects to ensure complete competence and understanding.

Training should consist of understanding traffic management devices, proper flagging techniques, communication skills, safety protocols, and required equipment.

By receiving formal training, flaggers are equipped with the expertise to perform their duties efficiently and maintain a high level of safety within work zones.



# Required Equipment

- Reflective Vest (Class 2 or 3 is required according to OSHA standards)
- Reflective Pants (Not required but recommended)
- Hard Hat
- Safety Glasses
- Communication Devices (Stop/Slow Paddles, Flags, Paddles with Lights)
- Radio (For two way communication)



# Advantages of using Flaggers

- Reduced risk of accidents.
- Improved communication between workers and drivers.
- Better efficiency and less congestion on the construction site.
- Compliance with established safety standards and regulations.
- Safety of both road users and workers by maintained orderly traffic movement, facilitated smooth transitions, and minimized conflicts.



# Disadvantages????

- Additional Cost

Your Safety and the Safety of Others is

\$\$\$ PRICELESS \$\$\$





# Time to Play

## INSTANT REPLAY

Be Safe. Be Smart. **Be Seen.**

**MAKE SURE DRIVERS  
CAN SEE YOU.**



# Key Takeaways: Why Flaggers are Essential to Work Zone Safety

- Flaggers are responsible for directing traffic and pedestrians around construction sites.
- They help ensure that workers are safe from oncoming traffic and pedestrians are safe from construction hazards.
- They direct traffic flow, coordinate with construction crews, manage traffic speed, address roadway transitions, and monitor pedestrian and cyclist movements.
- Through proper training, certification, and adherence to safety measures, flaggers maintain order, promote efficient traffic flow, and minimize the risk of accidents within work zones.
- Without flaggers, construction sites would be much more hazardous for workers and the public. Their presence and expertise contribute to creating a safe environment for all individuals on the road.



