

Flaggers in Work Zones

Greg Brinkmeyer
Training Specialist
TEEX

Overall Texas Statistics

- Average of 10 Deaths/Day on Texas Roadways for the last 20 years
- Last Deathless Day on Texas Roadways- November 7, 2000

Work Zone Statistics

Trends in Texas

- Increase in work zone fatalities
- Economic and population growths increase road work projects



Source: Shutterstock

Work Zone Statistics

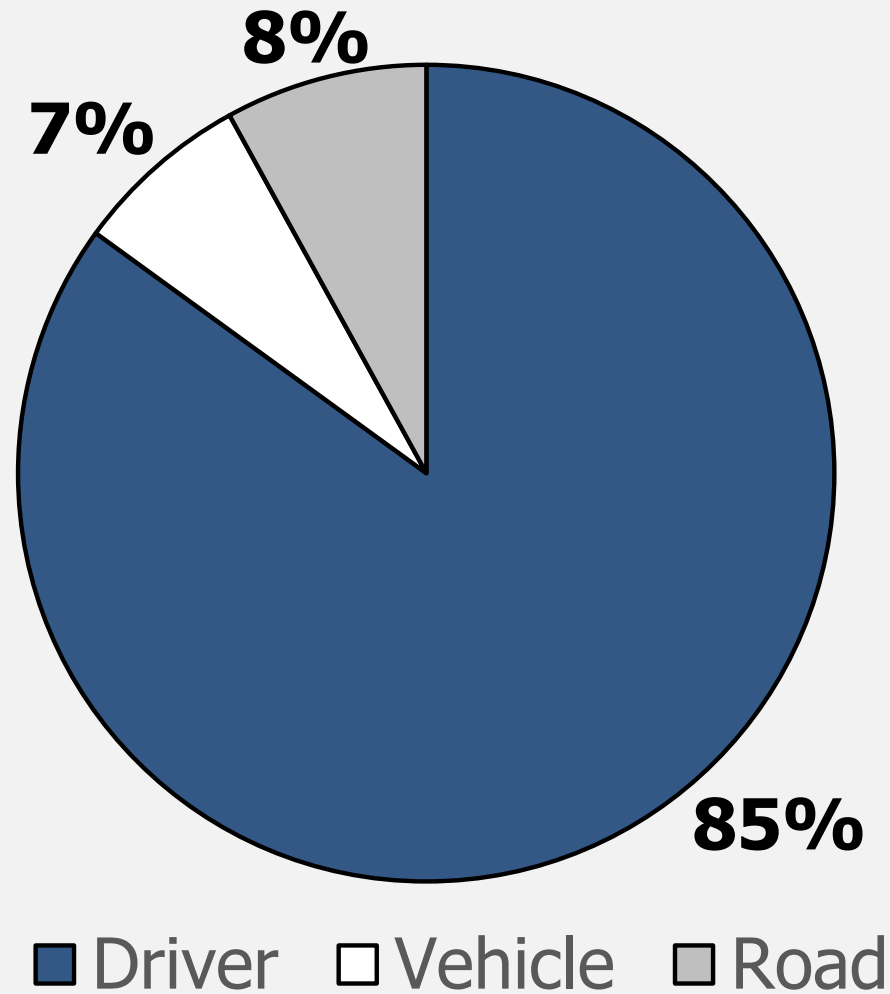


Source: TEEX

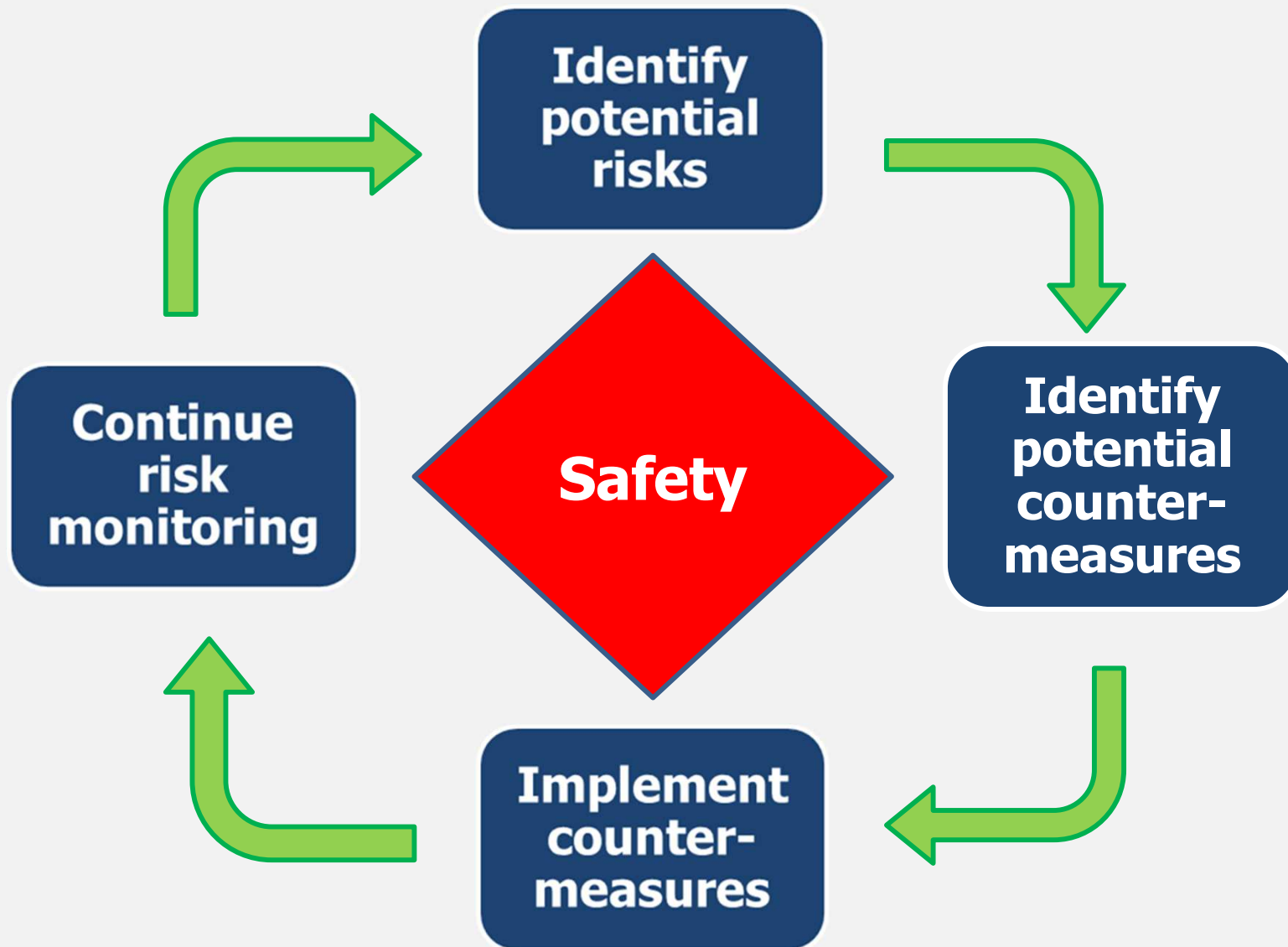
- Contributing factors:
- Distracted driving
 - Poorly implemented/maintained temporary traffic control (TTC)

Risk Management

First Contributing Cause of a Crash



Risk Management



Source: TEEX

TTC Regulations

TMUTCD requires emphasis on:

- TTC training to address worker safety
- Road-user mobility through TTC zone
- Pedestrian/bicyclist mobility; Americans with Disabilities Act (ADA) compliance
- Inspection TTC zone
- Improved public relations

Fundamental Principles of TTC

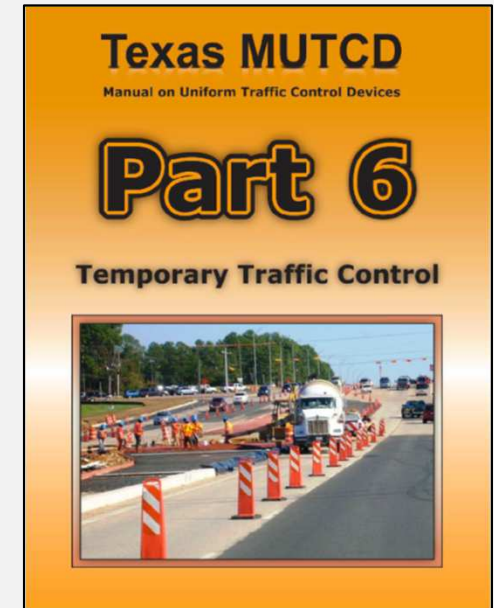
TTC selection depends on

- Type of road or highway
- Road user conditions
- Duration of operation
- Physical constraints
- Nearness of work space to road users

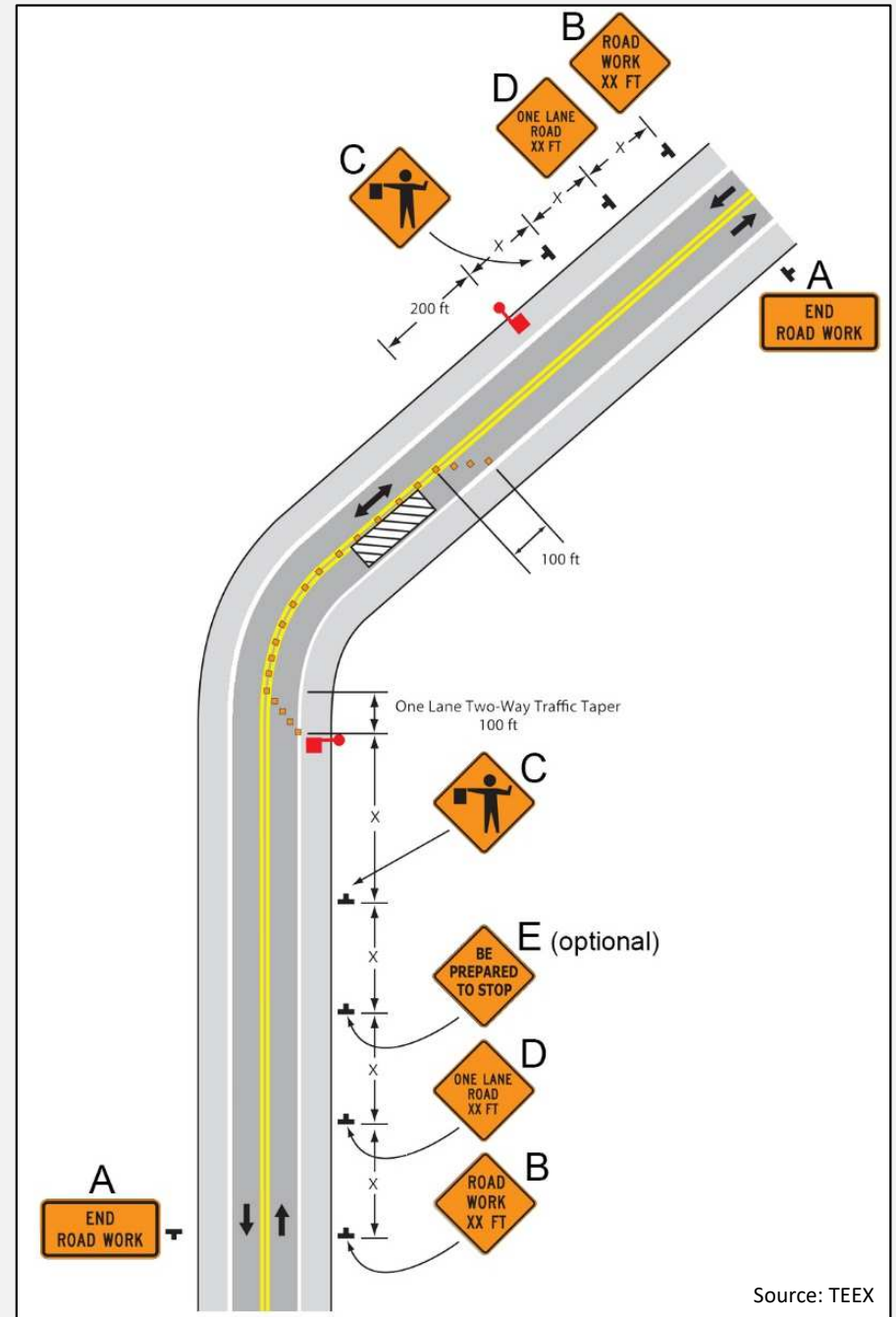
Fundamental Principles of TTC

Seven Fundamental Principles

1. General plans
2. Road-user movement
3. Clear, positive guidance
4. Inspections
5. Maintenance
6. Training
7. Public relations/communications



Flagger Operations













TO BE EFFECTIVE TRAFFIC CONTROL SHOULD:

- FULL A NEED
- COMMAND ATTENTION
- COMMAND RESPECT
- CONVEY A CLEAR, SIMPLE MEANING
- COMMAND RESPECT FROM ROAD USERS
- GIVE ADEQUATE TIME FOR PROPER RESPONSE

Recognizing Deficiencies in TCDs

All items must

- Be clean
- Be installed straight and plumb
- Meet retro-reflectivity requirements

Recognizing Deficiencies in TCDs

Deficiencies?

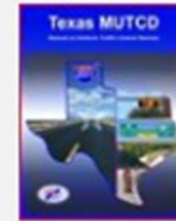


Source: TEEEX





Flagger Qualifications



Section 6E.01

- Abilities
 - Communicate
 - Move and maneuver
 - Control signaling devices
 - Understand TTC practices
 - Recognize dangerous situations, warn workers

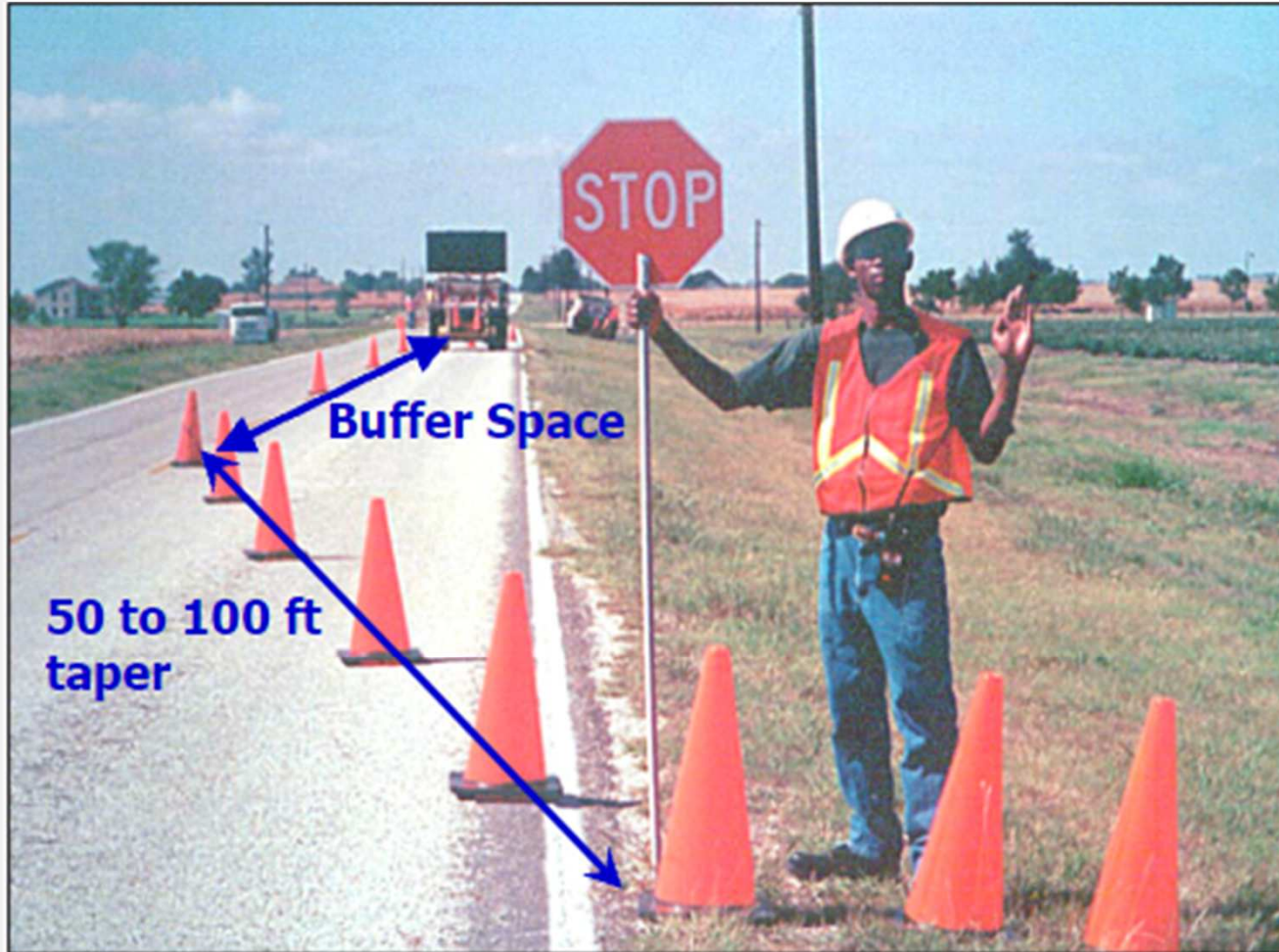
Driver Visibility and Stopping Sight Distance

- Adequate distance needed to stop at flagger station
- See Table 6E-1



Source: TEEX

Buffer Space & Short Taper



Source: TEEEX

Thank You

**TEEX Appreciates the Opportunity
to be a part of this Event**