

FHWA Work Zone Program

Federal Highway Administration
Office of Safety Integration
Washington, DC

March 10, 2009

Work Zone Traffic Crashes

- 835 fatalities in 2007
 - 2.2 % of total (37,248)
 - 2.7/day (1 every 10.5 hours)
- 11 yr. total ('97-'07) – 11,153 fatalities
- Approx. 40,000 injuries annually



WZ Safety Grants

Section 1409 of SAFETEA-LU

- Work Zone Safety and Mobility Rule
- Temporary Traffic Control Devices
- Purpose – Prevent highway work zone injuries and fatalities
- Target audience – Craft, traffic control, utility workers, and law enforcement
- Nonprofit & not-for-profit organizations
- \$5 M/year (FY '06-'09)
- 20% match



WZ Safety Grantees

- ATSSA
American Traffic Safety Services Association
- LHSFNA/ARTBA
Laborers' Health and Safety Fund of North America/
American Road and Transportation Builders Association
- WSU
Wayne State University
- IIT
Illinois Institute of Technology

Area 1 – Highway Work Zone Worker Safety Training

● Objectives

- Continuation and expansion of existing training programs
- Conduct training nationally for a wide range of work zone worker populations



Area 1 – Courses Developed/Provided (Multilingual)

- OSHA 10-hour construction course
- Traffic control workers/flaggers
- Runovers and Backovers)
- Night work (for workers)
- Hazards of weather
- Sprains and strains
- Flagger Instructor
- Traffic Control Technician
- Traffic Control Supervisor
- Utility Traffic Control
- Nighttime Traffic Control
- Emergency Traffic Control
- Law Enforcement Course
- “What Everyone Should Know”



Roadway Safety+ Available v9.0
011161 06 G 0007

Area 2 – Highway Work Zones Guidelines Development

- Assist with implementation and attainment of compliance with work zone safety and operations rules/regulations, policies, and standards
- To help agencies/groups achieve the prevention and reduction of work zone injuries and fatalities

Area 2 - Subject Areas

- Positive protective devices (barriers) (m)
- High visibility garments (m)
- Work zone planning/data & impact analyses
- Pedestrian/bicycle safety in work zones
- Maintenance work zone safety
- ANSI Standard for Work Zone Safety
- Positive separation/protection of workers (m)
- Utility Work Zone Guidelines (m)
- Application of Speed Management
- Motorcycle Safety in Work Zones
- Subpart K Temporary Traffic Control

Area 2 - Products

- Work zone safety audit guidelines and training materials (October 2010)
- Utility work zone safety guidelines and training curricula (completed)



AREA 3 – Highway Work Zone Safety Guidelines Training

- To help agencies/groups implement guidelines
- To promote best practices to prevent work zone injuries and fatalities
- Training for implementing Federal and/or State regulations, policies, standards, and guidelines

Area 3 – Subject Areas

- Nighttime work
- Work zone full closure
- Positive protection
- Speed Management
- Work zone road safety audits
- Pedestrian accommodation
- Impact analysis
- Performance measures
- Law enforcement
- Public information and outreach

AREA 3 - Products

- Traffic control design specialist training - ATSSA
- Urban work zone design training - ATSSA
- Work zone strategies training - ATSSA
- Analytical tools for work zone planning training - ATSSA
- Motorcycle/bicycle considerations guidelines - LHSFNA
- Maintenance and short duration activities training - ATSSA
- Utility traffic control guidelines and training- WSU
- Train the Trainer Workshops (utility) - WSU
- Best Practices Guide and Training - LHSFNA
- Work Zone Safety Audit Process and Training - IIT

Practitioners Trained (as of 3/01/09)

- Roadway Safety Plus – 7,005
- OSHA 10-Hour – 1,457
- ATSSA Worker Safety Training – 10,475
- WSU Utility Work Zone Pilot - 263

NWZSIC

- Began 1998
- Site: www.workzonesafety.org
- Updates on Work Zone Safety Grants
- Site redesign completed
 - Upgrade web infrastructure
 - Expand and update content
 - Outreach and promotion



ABOUT • CONTACT • FORUM/LISTSERV • SITE MAP **VIDEO VAULT** Search LOGIN

The National Work Zone Safety Information Clearinghouse
 THE WORLD'S LARGEST INTERNET RESOURCE



Crash Data | Expert Contacts | Laws & Regulations | News & Events | Public Awareness | Research | Safety Products | Standards & Practices | Training | Links

HOT TOPICS

- [FHWA Work Zone Safety Grant Program](#)
- [Incident Management](#)
- [Intelligent Transportation Systems](#)
- [Law Enforcement](#)
- [Personal Protective Equipment](#)
- [Utility Operations](#)
- [Work Zone Performance Measures](#)

PREMIUM ACCESS

Gain free full access to: Forums, ListServ, Newsletter, Alerts, and more ...

OUR MISSION

We are dedicated to providing comprehensive information to improve motorist, worker and pedestrian safety in roadway work zones.



Highlights from the [National Traffic Management and Work Zone Safety Conference](#)

Welcome to the new and improved National Work Zone Safety Information Clearinghouse!

[Roadway Safety Awareness Program](#) - Free Download

Traveling? Check out FHWA's [National Traffic and Road Closure Information](#) web site.

Report: [Determining the Major Causes of Highway Work Zone Accidents in Kansas \(Phase 2\): Final Report \(2/12/2008\)](#)

Report: [Determining the Effectiveness of Temporary Traffic Control Measures in Highway Work Zones \(2/12/2008\)](#)

Report: [Investigating the Human Factors Involved in Severe Crashes in Highway Work Zones \(2/12/2008\)](#)

Updated Wayne State University presentation at [FHWA Work Zone Safety Grant Program \(2/7/2008\)](#)

Updated ATSSA presentation at [FHWA Work Zone Safety Grant Program](#)

UPCOMING EVENTS

National Work Zone Awareness Week 2008 is scheduled for April 7-11.

INFORMATION FOR

- [Drivers](#)
- [Engineers](#)
- [News Media](#)
- [Workers/Highway Contractors](#)
- [Spanish Language Materials](#)
- [Materiales en Español](#)

CLEARINGHOUSE VIDEO



www.workzonesafety.org

RECENT BLOG POSTS

Implementation of the FHWA Final Rule on Temporary Traffic Control Devices (23 CFR 630 Subpart K)

[more](#)

Clearinghouse Resources

- World's largest “cyber-library” of information on road construction safety:
 - Best practices
 - Laws and regulations
 - Public awareness campaigns
 - Work zone products
 - Accident and fatality data
 - Over 11,000 unique visitors/month
 - Free, customized research
 - Training and educational materials

New Features

- The Clearinghouse “Listserv” - serving over 725 registered users. Subscribers may view questions live, via a daily digest or through listserv archives
- FHWA “Work Zone Safety Grants” page

The screenshot displays a web application interface titled "What Are Shift Taper Specs?". The main content is a diagram of a road taper with a yellow shaded area. A red arrow labeled 'c)' points to the taper's edge. A yellow box indicates "Max Space = 45'". Below the diagram, a yellow box contains the text "Shifting Taper 0.8S m if S is in km/h (4S ft if S is in mph)". A horizontal dimension line below the diagram is labeled "178' 1/2 L".

On the left side, there are several controls:

- a) "Show Table 6C-1" with a red arrow pointing to a table.
- b) "SPEED LIMIT 45" with a red arrow pointing to a speed limit sign.
- d) "Lane Offset 12" with a red arrow pointing to a lane offset sign.
- e) "Number of Tapers & Buffer Spaces" with a red arrow pointing to a diagram of a road with multiple tapers.
- f) A red arrow pointing to the bottom right of the diagram.

At the bottom of the interface, there are several buttons and a "QUIT" button:

- g) "Units" with a red arrow pointing to a dropdown menu showing "english".
- "Disaster" button.
- "DETOUR" button with left and right arrows.
- "QUIT" button.

In the top right corner, there is a "ROADWAY SAFETY?" logo and an "English" button.

New Features

- The “Work Zone Wizard” blog led by Jerry Ullman of the Texas Transportation Institute
- The “SafetyZone” e-newsletter - featuring timely information, articles and resources



The National Work Zone Safety Information Clearinghouse



SafetyZone Newsletter

May 2008

Feature Articles

In This Issue

Feature Articles:

2008 National Work Zone Awareness Week Events

Services and Users Surge at the National Work Zone Safety Information Clearinghouse

Meet the Clearinghouse Staff-Omar Lopez

Laws & Regulations

New Resources and Opportunities



National Work Zone Awareness Week- Slow for the Cone Zone

Each April we gather together for National Work Zone Awareness Week (NWZAW) to remember victims and to raise awareness of safety precautions for workers and motorists in work zones. This year's national event was held April 8 in Sacramento California on the west steps of the Capital. [More](#)

The National Work Zone Safety Information Clearinghouse (Clearinghouse) is represented on the Executive Planning Committee via the American Road & Transportation

Builders Association (ARTBA). The Clearinghouse contributed nearly \$12,000 to the event as a primary sponsor.



The Clearinghouse also shipped thousands support materials at no cost to be used for awareness campaigns across the United States. At home in Washington D.C., the Clearinghouse displayed orange candles in its windows and hung a work zone awareness ribbon flag.

Thank You

Questions?