FHWA Work Zone Program

Federal Highway Administration
Office of Safety Integration
Washington, DC

March 10, 2009
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
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

4/7/2009 FHWA Office of Safety Integration
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”
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)
ARE 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

4/7/2009
FHWA Office of Safety Integration
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 Effectiveness of Temporary Traffic Control Measures 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
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
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
Thank You

Questions?