

FHWA Work Zone Safety Grant Program

Dr. Morris Oliver
Federal Highway Administration
Office of Safety Integration
Washington, DC

Fort Lauderdale, FL
October 2007

Work Zone Traffic Crashes

- 1,074 fatalities in 2005
 - 2.5% of total (43,443)
 - 3/day (1 every 8 hours)
- 10 yr. total ('96-'05) – 9,420 fatalities
- Approx. 40,000 injuries annually

SAFETEA-LU

Section 1409 – Work Zone Safety
Grants

Section 1410 – National Work Zone
Safety Information Clearinghouse
(NWZSIC)

WZ Safety Grants

- Purpose – Prevent highway work zone injuries and fatalities
- Nonprofit & not-for-profit organizations
- \$5 M/year (FY '06-'09)
- 20% match



WZ Safety Grants

Area 1 – Construction craft worker training

- Craft workers
- Traffic control workers
- Utility workers
- Law enforcement personnel

- Continue/enhance current programs & develop new ones



WZ Safety Grants

Area 2 – Development of guidelines

- To assist agencies/groups in complying with regulations, standards, policies & procedures
- In form of best practices, handbooks, recommended processes, training modules
- Based on gaps/needs

WZ Safety Grants

Area 3 – Guideline training for State/local agencies and other groups

- Assist in implementing regulations, standards, policies and procedures
- Promote best practices
- Use national, state or local guidelines

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

ATSSA

- Amount: \$11.9 M
- Began October 2006
(2 years + 2 option years)
- Areas: 1, 2 & 3
- 7 partner organizations
- <http://www.atssa.com/cs/Federal-Highway-Administration-work-zone-safety>

ATSSA

Area 1 – Target traffic control workers, utility workers
& law enforcement

- Current ATSSA courses (English and Spanish)
 - Flagger Instructor
 - Traffic Control Technician
 - Traffic Control Supervisor
 - Utility Traffic Control
 - Nighttime Traffic Control
 - Emergency Traffic Control
 - Law Enforcement Officer
 - “What Everyone Should Know”



ATSSA

Area 2 – Develop guidance documents

■ Subject areas

- Positive protective devices (barriers)
- High visibility garments
- Work zone planning/data & impact analyses
- Pedestrian/bicycle safety in work zones
- Maintenance work zone safety

ATSSA

Area 3 – Training in years 3-4

■ Possible subjects

- Area 2 guidelines
- Traffic control design specialist
- Urban work zone design
- Work zone strategies
- Analytical tools for work zone planning

LHSFNA/ARTBA

- Amount: \$4 M
- Began October 2006
(2 years + 2 option years)
- Areas: 1, 2 & 3
- 9 partner organizations

LHSFNA/ARTBA

Area 1 - Main target is construction craft workers

- Multi-lingual training
- Subject areas
 - OSHA 10 hour construction course
 - Traffic control workers/flaggers
 - “Struck by” (runovers and backovers)
 - Night work (for workers)
 - Hazards of weather
 - Sprains and strains



LHSFNA/ARTBA

Area 2 - Guidelines/training modules

- Subject areas

- 14 ANSI standards
- Positive separation/protection of workers

- Best practices guide

LHSFNA/ARTBA

Area 3 - Training

- Possible subject areas
 - Area 2 guidelines
 - Variable speed limits
 - ITS applications

- Interactive computer demos

IIT

- Amount: \$750 K
- Areas: 2 & 3
- Began November 2006
(2 years + 2 option years)
- Partnership - Illinois and Utah LTAP Centers

IIT

Area 2 – Work zone safety audit guidelines (& training materials)

- Survey of States, contractors & others
- Independent review panel
- Conduct full-scale case studies to test guidelines
 - Dan Ryan Reconstruction Project
 - Evaluating other projects

IIT

Area 3 – Target audience is DOTs, contractors,
law enforcement

- Workshops in FY 2008 and 2009
- Presentations at DOTs and other public agencies
- Presentations at conferences (TRB, ITE, ASCE, etc.)

WSU

- Amount: \$400 K
- Areas 2 & 3
- Began October 2006 - 2 years
(FY 2007-08)
- Subcontractor: Bradley University

WSU

Area 2 – Utility work zone safety guidelines (& training curricula)

- State-of-the-art/practice policy review
- Gap analysis/needs assessment
- Include typical applications and case studies

WSU

Area 3 – Targets utility & road maintenance workers

- Pilot sessions - Locations TBD
 - To evaluate the guidelines & training materials
- Train-the-trainer courses on guidelines

Clearinghouse (NWZSIC) Section 1410

- Purpose - assemble and disseminate info related to work zone safety
- \$1 M/year for FY 2006-09
- Federal share: 100%
- Grantee: ARTBA/TTI
- Began October 2006

NWZSIC

- Began 1998
- Over 100,000 users/year
- Site redesign completed
 - Upgrade web infrastructure
 - Expand and update content

NWZSIC

- *Updates on Work Zone Safety Grants*
- Site: www.workzonesafety.org
- Sponsor of this, biennial conference

Contacts

Dr. Morris Oliver
FHWA Office of Safety Integration
Washington, DC
202-366-2251
morris.oliver@dot.gov

<http://safety.fhwa.dot.gov/wz/>