

ARTBA

Conference and Exposition

Baltimore, Maryland

November 3, 2004

Work Zone Safety

Presented by:

Stewart C. Burkhammer, P.E., CSP, OHST

Director

Office of Construction Services

Directorate of Construction

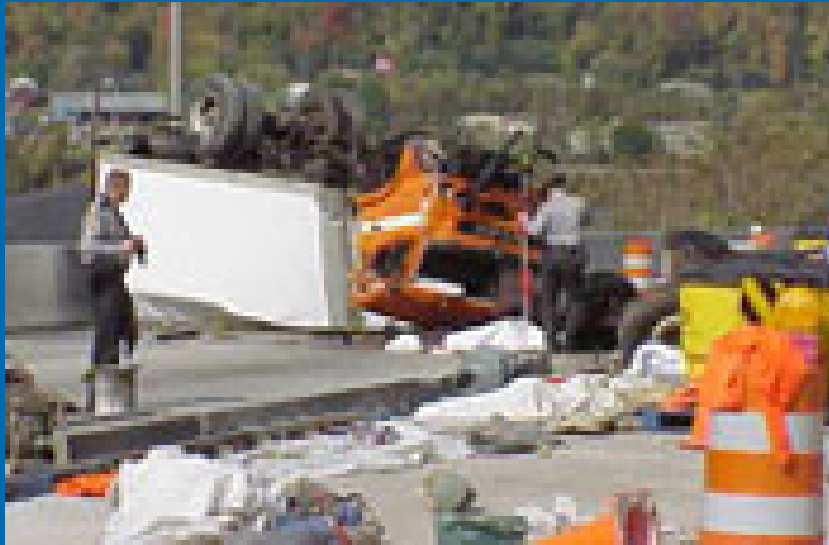


Occupational
Safety and Health
Administration

A traffic pattern - - -



Now add a work zone - - -



And then - - - Work Zone Accidents

- **A construction laborer killed when run over by dump truck in highway work zone**
- **A construction surveyor is run over and killed by a motor grader that was backing up**
- **A highway worker dies when struck by a speeding vehicle while picking up cones**

Why do these
fatalities have to
occur?



Working Toward
Solutions
for the
Roadway Construction
Industry through an
Alliance





The Alliance



November 18, 2003



Leaders of the Roadway Work Zone Safety and Health Coalition sign an Alliance agreement with OSHA's Assistant Secretary John Henshaw



John Howard
Director of NIOSH
John Henshaw
Assistant Secretary of Labor

NIOSH

OSHA

**Roadway Work Zone Safety and Health Alliance
Hazard Awareness Training and Education
Spanish-speaking and "Hard-to-reach" Workers**

**Laborers'
International
Union of North
America
(LIUNE)**

**International
Union of
Operating
Engineers
(IUOE)**

NIOSH

**Working
Together**

OSHA

**National
Asphalt
Pavement
Association
(NAPA)**

**American
Road &
Transportation
Builders
Association
(ARTBA)**

Work Zone Alliance Goals

Promoting safety in the transportation construction industry

- **Improving Roadway Work Zone**
- **Safety and Health**
- **Develop innovative solutions for reducing injuries and fatalities**
- **Focus on “value-added” results**
- **Develop hazard awareness training and education programs**

Susan Harwood Grants 2004

- **Laborer's Health & Safety Fund of North America, Washington, D.C.**

Develop Training Materials

- **American Road and Transportation Builders Association, Washington, D.C.**

*Update Training Materials
Hold Training Classes*

Susan Harwood Grants 2005

- **Laborer's Health & Safety Fund of North America, Washington, D.C.**

Driving skills training materials

Transporting materials study

- **American Road and Transportation Builders Association, Washington, D.C.**

Continue developing training materials

Continue educational programs

Regional Efforts toward Best Practices



New Jersey Highway Work Zone Partnership Program

- New Jersey Department of Transportation
- New Jersey State Police
- Laborers –
 - Locals 472 & 172
 - International Health and Safety
- Utilities & Transportation Contractors Assoc
- Rutgers – New Jersey's State University
- Local Police Departments
- FHWA
- OSHA

New Jersey Highway Work Zone Partnership Program

Best Practices

- Troopers trained for patrolling work zones
- Traffic Control Coordinator (TCC)
- Added work zone safety to vehicle manuals
- Contractors required to have a written safety program
 - Safety responsibilities
 - Emergency Plans
 - Training
 - Implementation
 - Discipline procedures

Region V - Roadway Construction Work Zone Activities

➤ Local Emphasis Program

- Region V's jurisdiction
- Road construction work zone activities

➤ Inspection Methodology

- Randomly selected inspection sites
- Observable serious hazards
- Over 1500 inspections conducted

Regulatory

Update



Cranes and Derricks Subpart N

Consensus Reached on the Proposed Rule

Highlights:

- Addresses ground conditions
- Signal persons qualifications
- Phase-in period for operator certification
- Qualified person address hazards - assembly and disassembly

Published in the Federal Register

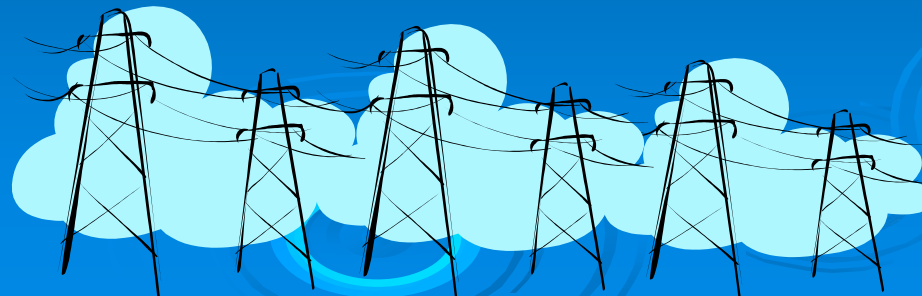


Power Distribution and Transmission Subpart V

Notice of Proposed Rule Making
(NPRM)

scheduled to be published in

January 2005



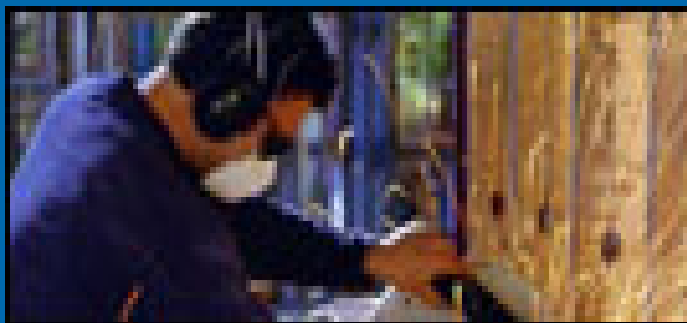
Crystalline Silica Revision



- OSHA proposes more stringent PELs

**Change
mppcf to $\mu\text{g}/\text{m}^3$**

- SBAR Panel's Report completed
- Directorate of Standards and Guidance is reviewing SBAR Panel Report



Occupational Noise

General Industry Standard
29 CFR 1910.95 – (1983)

➤ *February-March 2004*

➤ **OSHA collected data during site visits**

➤ *March 2004*

➤ **Stakeholder meeting in Chicago, IL**

➤ *July 2004*

➤ **Stakeholder meeting in Washington, DC**

Hexavalent Chromium

Cr(VI)

**Public Meeting scheduled
February 1, 2005
Washington, D.C.**

- **December 3, 2004, deadline for notifying OSHA of intention to present testimony**
- **January 3, 2005, deadline for submitting comments**

Docket H054A

Hexavalent Chromium

Cr(VI) (continued)

**Notice of Proposed Rule Making (NPRM)
was published in the
Federal Register on October 4, 2004**

***Doesn't apply to Portland cement
and***

***PEL reduced from 52 to
1.0 ug Cr(VI)/m³ air (8-hr TWA)***

OSHA Cooperative Programs

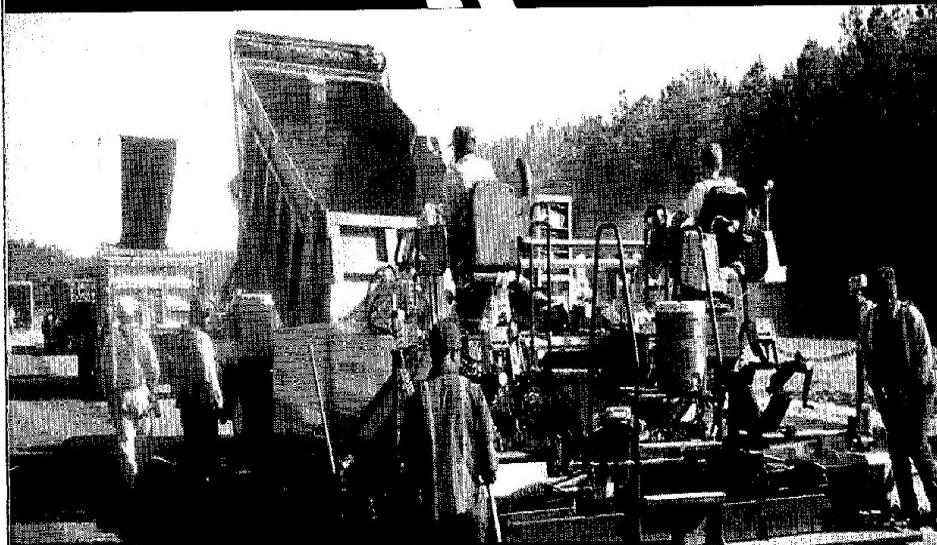


Working with OSHA is good!

- **Work with OSHA on Regional/National level**
- **Improve safety and health programs**
- **Reduction in injuries, illnesses, and fatalities**
- **Priority technical assistance**
- **Regional/National exposure**

ENGINEERING CONTROL GUIDELINES FOR HOT MIX ASPHALT PAVERS

National Institute for
Occupational Safety and Health
NIOSH



PART 1 New Highway-Class Pavers



U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Public Health Service
Centers for Disease Control and Prevention
National Institute for Occupational Safety and Health



NIOSH
NAPA
OSHA
Voluntary
Initiative
January
1997



National Construction Alliances



231 Alliances

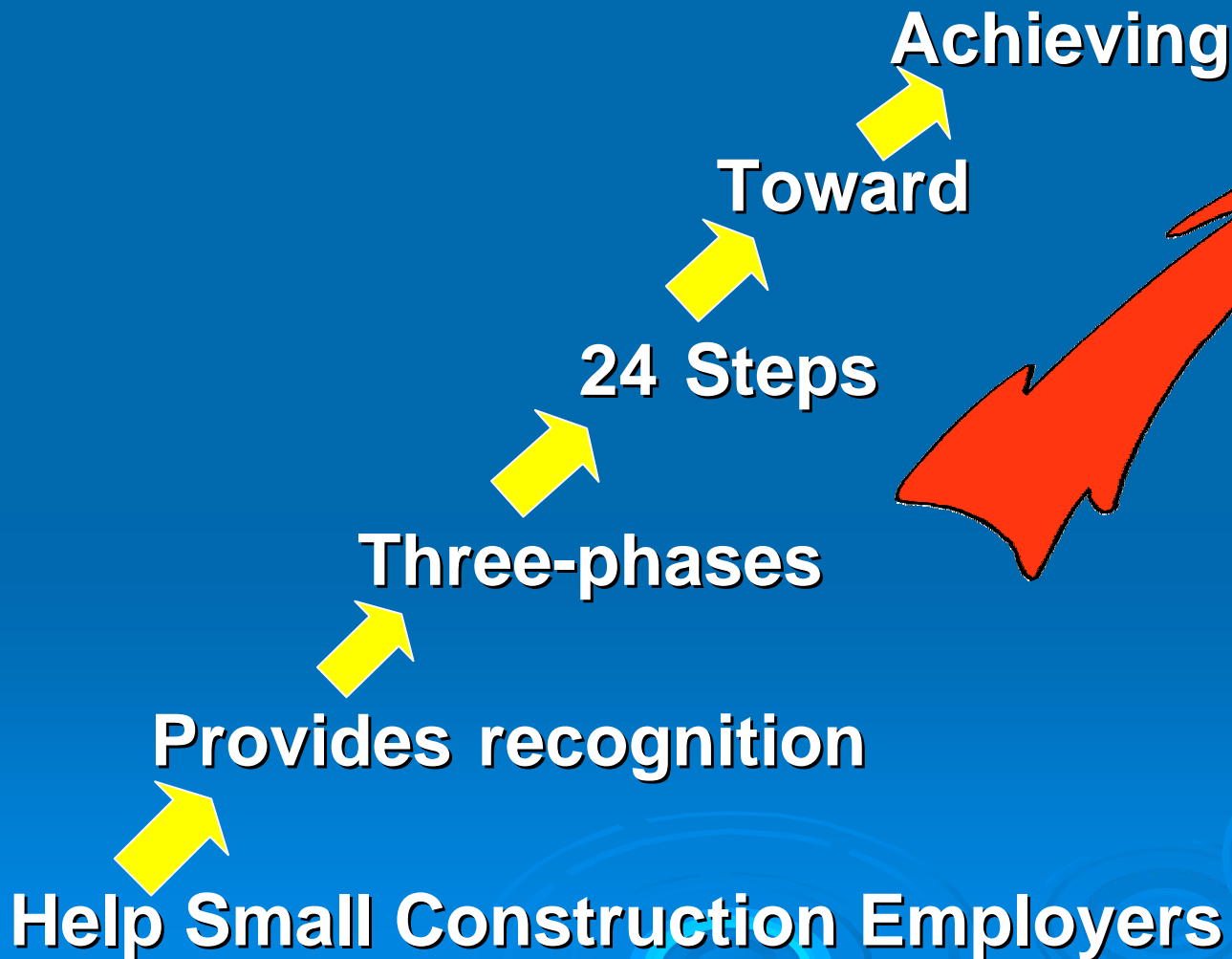
19% are construction-related

OSHA and its allies work together to reach out to, educate, and lead the nation's employers and their employees in improving and advancing workplace safety and health

OSHA's CHALLENGE FOR CONSTRUCTION

A ROADMAP TO VPP

An Expedition to Cooperative Achievement





A Voluntary Protection Program

1153 Federal and State Sites
853 are Federal Sites

In the VPP, management, labor, and OSHA establish cooperative relationships at workplaces that have implemented a comprehensive safety and health management system

VPP for CONSTRUCTION



VPP for Construction (VPPC)

Short-term projects

Mobile workforces

General contractors

Subcontractors

Maintain high standards of VPP

osha.gov

Occupational Safety and Health Administration - OSHA HOME PAGE - Microsoft Internet Explorer provided by OSHA

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Address http://www.osha.gov/

 **U.S. Department of Labor**
Occupational Safety & Health Administration

www.osha.gov MyOSHA Search GO Advanced Search | A-Z Index

August 17, 2004 Site Index: **A B C D E F G H I J K L M N O P Q R S T U V W X Y Z**

OSHA OSHA's mission is to assure the safety and health of America's workers by setting and enforcing standards; providing training, outreach, and education; establishing partnerships; and encouraging continual improvement in workplace safety and health. [more...](#)

Audiences:

- En Español
- Small Business
- Workers
- Teen Workers

What's New

My OSHA
Personalize this site to see your favorite topics

QuickTakes
Subscribe Email Address: GO
Biweekly E-News Memo
[E-News Privacy Notice](#)

In Focus

-  **OSHA Issues Alert on the Dangers Associated with Cleanup and Recovery from Hurricanes**
-  **OSHA Urges Federal Employees to Fasten Seat Belts**
Symposium Focuses on Motor Vehicle Safety (Registration)
-  **Hospital-Based First Receivers Best Practices - Draft**

OSHA News

-  **Sheet Metal and Air Conditioning Contractors National Association Aligns with OSHA**
-  **OSHA Unveils Safety and Health Topics Page for Residential Construction**
-  **American Safety and Health Institute Joins OSHA in Alliance**
-  **OSHA Issues Final Rule on Respiratory Protection**

Find It! in DOL Department of Labor

Compliance Assistance

- Consultation
- eTools
- Grants
- Hispanic Workers and Employers
- Posters
- Recordkeeping
- Training

Laws & Regulations

- Standards
- Interpretations
- Federal Registers
- Directives
- Dockets & E-Comments

Cooperative Programs

- Alliances
- SHARP
- Strategic Partnerships
- VPP

State Programs

**OSHA's
Web
Page**

**Dockets &
eComments**

En Español

What's New

dockets.osha.gov

OSHA's Web Page Hispanic Information

➤ Hispanic Events Calendar

- List OSHA safety and health outreach and training events that are focused on raising injury and illness prevention awareness for Hispanic workers

➤ Hispanic Site on OSHA's web page

- Average 22,000 visits a month

➤ Spanish Help Line at 1-800-321-OSHA.

➤ Construction eTool in Spanish

BEGIN
INSTRUCTION
ZONE

Runovers/Backovers

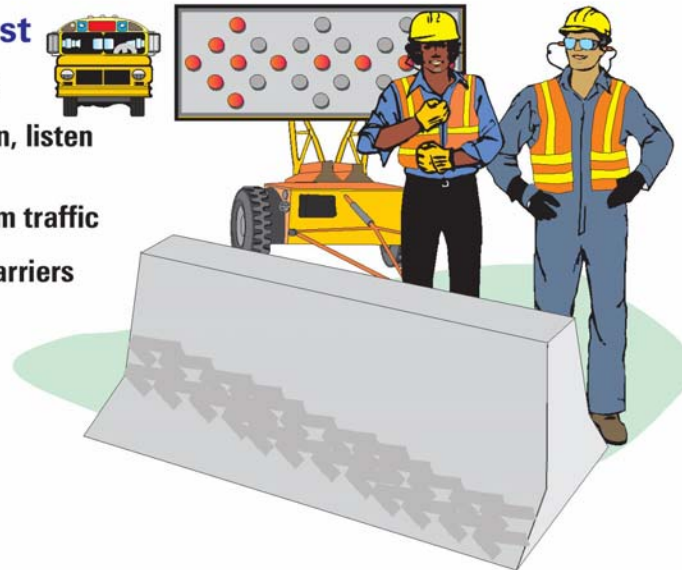
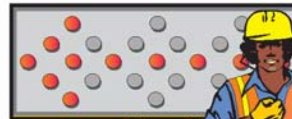
ROADWAY SAFETY



Can We Be Safe Near Equipment/Traffic? Being struck is the biggest danger in road work.

Workers on foot must

- Remain alert at all times
- Check surroundings often, listen for warnings
- Keep a safe distance from traffic
- Stay behind protective barriers where possible
- Look out for each other, warn coworkers



Working together achieves results!
Efforts are Appreciated!
THANK YOU!

OSHA DIRECTORATE OF CONSTRUCTION

MOVING TOWARD THE FUTURE



Protecting the American Construction Workforce



**Occupational
Safety and Health
Administration**