

Work Zone Training

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FHWA
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Topics

- Why Training
- Subpart J Requirements
- Considerations
- Training Resources
- Implementation

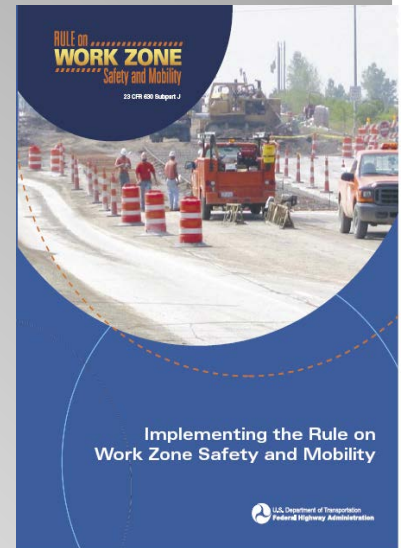


Why Training

- Develop a knowledgeable workforce
- Help personnel:
 - Do their job safely and effectively
 - Design, implement, maintain work zones that provide for the safe and efficient movement of traffic
 - Design and implement work zones that enable work to be completed at acceptable quality
 - Ensure that work zones are implemented appropriately in the field
 - Safely enforce laws and respond to emergencies in work zones

Subpart J Requirements

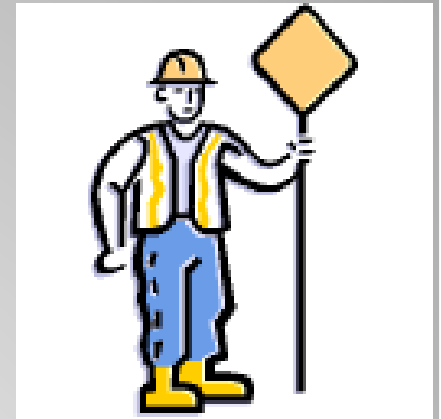
- Section 630.1008(d) of the Rule addresses training
- Addresses:
 - Who must be trained
 - What training needs to cover
 - How often
- Agencies had many good training efforts underway prior to the Rule
 - Flexibility to continue and enhance those practices as needed



Subpart J Requirements - Who

- Personnel involved in the
 - Development,
 - Design,
 - Implementation,
 - Operation,
 - Inspection, and
 - Enforcement

of work zone related transportation management and traffic control



Subpart J Requirements - Who

- Transportation planners
- Design engineers
- Flaggers
- TTC/TMP designers
- Regional construction managers
- Construction staff
- Maintenance staff
- Inspectors
- Contractor and utility staff
- Law enforcement
- Incident responders
- Consultants

Possibly - Policy makers, senior managers, information officers, program leads

Subpart J Requirements - What

- Appropriate training = training relevant to job decisions that each individual makes
- Deliver training that is:
 - Targeted
 - Meaningful
 - Useful
 - Effective
- Varies by position



Example: Personnel installing traffic control devices, lane closures, etc

- Need to be trained
 - Major role in how safe a work zone is for motorists and workers
- They need to know things like:
 - How to work safely in traffic
 - Requirements for hi-visibility apparel
 - How to read TTC plans
 - What order to put devices in and take them out
 - How devices should be installed and maintained
 - When devices should not be used due to their poor condition/quality
 - Ramifications for putting TTC in incorrectly

Example: TMP Designers

- Need to be trained
 - Have major role in providing for safe and effective traffic flow in work zones
- They need to be trained on things like:
 - What a TMP is and why it is needed
 - How to identify and assess work zone impacts
 - What a significant project is and how the Agency defines it
 - Components of a TMP and how to select TMP strategies
 - Constructability issues
 - Work zone traffic control
 - Who reviews and approves TMPs and TMP changes
 - What Agency policies apply

Example: Responsible Persons

- Need to be trained
 - State/Agency and Contractor
 - Responsible for TMP and other safety and mobility aspects of project
- They need to be trained on things like:
 - What a TMP is and why it is needed
 - Components of a TMP
 - Why things are designed the way they are (TMP, TCP)
 - Work zone traffic control
 - Access/egress
 - Use of law enforcement
 - TMP monitoring and assessment
 - What to do if a TMP is not working
 - Who reviews and approves TMP changes

Subpart J Requirements

- How often
 - Initial - by October 12, 2007, at a minimum, have a training plan
 - Periodic training updates – to reflect
 - Changing industry practices
 - Changes to agency processes and procedures
- Certification
 - Not required at national level
 - May be required by States and Localities

Subpart J Requirements

- Who can provide training
 - States
 - Localities
 - LTAPs
 - FHWA and NHI
 - Associations (ATSSA, ITE, ARTBA)
 - Contractors or Contractor Associations
 - Other
- State-dependent – check with your State

Considerations

- Target audiences for the training
 - Within the State/agency
 - Outside the State/Agency
- For each audience:
 - Training needs and core competencies
 - Programs and courses that meet the needs
 - Best formats – classroom, online, etc.
 - Typical refresher course requirements

Considerations (cont.)

- Where to specify training requirements
 - Agency policies, manuals, etc
 - Contract specifications, pre-qualification, etc.
- Training delivery
 - Record-keeping of training and updates
 - Funding sources for training
 - Contractor, consultant, and other private sector involvement in delivery
- Acceptability of training from other States

Training Resources

- FHWA Training Compendium
- Work Zone Safety Grants
- Work Zone Safety Information Clearinghouse
- National Highway Institute (NHI)
- Associations and Contractor Organizations
- “Turning Point” campaign for new drivers
- National Transportation Training Resource
- Transportation Curriculum Coordination Council
- LTAPs

Visit FHWA Work Zone Training Page for links

<http://www.ops.fhwa.dot.gov/wz/outreach/outreach.htm>

Training Resources

FHWA Training Compendium

http://www.ops.fhwa.dot.gov/wz/outreach/wz_training/index.htm

Work Zone Training and Guides - FHWA Work Zone - Windows Internet Explorer

http://www.ops.fhwa.dot.gov/wz/outreach/wz_training/index.htm

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Work Zone Training and Guides - FH...

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WORK ZONE MOBILITY AND SAFETY PROGRAM

[Training](#)

Work Zone Training and Guides

Printable Version [\[XLSX 121KB\]](#)
You will need the [Microsoft Excel Viewer](#) to view this Excel (XLS) file.
Contact Information: workzonepubs@dot.gov

FHWA has developed a [spreadsheet of available work zone training and guides](#) [XLSX 121KB]. The tabs of the spreadsheet are organized by the following categories:

- [Design for Work Zones](#)
- [Inspection of Work Zones](#)
- [Intelligent Transportation Systems \(ITS\)](#)
- [Law Enforcement](#)
- [Management of Work Zones](#)
- [Nighttime Work Zone Operations](#)
- [Short Duration Work Zones](#)
- [Traffic Control in Work Zones](#)
- [Worker Safety](#)
- [Work Zone Guides and Documents](#)

Some of the materials apply to more than one category. For those materials, the last column to the right will indicate the other categories where this training is also applicable and link to those categories.

For more information about one of the materials seen here, please contact the Point of Contact shown for the item.

To submit additional training or guides to the list, please contact:

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Developed October 2008; Last updated December 2011.

[next](#)

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United States Department of Transportation - Federal Highway Administration

Last modified: January 5, 2012

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FHWA Training Compendium

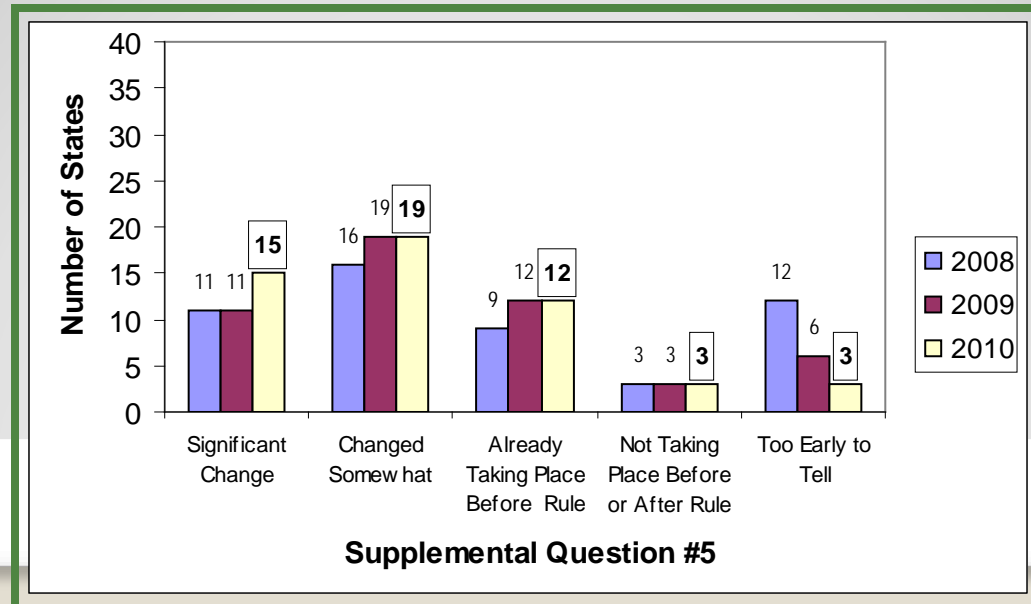
wz_training_12_19_11.xlsx [Read-Only] - Microsoft Excel

| INSPECTION OF WORK ZONES | | | | | | | |
|------------------------------------|--|-----------|--------------|---|---|---|---|
| TRAINING (Listed by Provider) | | | | | | | |
| Title | Description | Format | Length | Provider | Cost | Target Audience | Contact Information |
| 4 | Work Zones | Classroom | 2 days | Kansas DOT | Free | Anyone working in or around work zones | David Church, 785-296-7431 |
| 5 | Construction Inspection, Workmanship, and Quality | Classroom | 2 days | NHI | \$400 | Field personnel involved in all aspects of highway construction from engineers to technicians. | nhi.training@dot.gov |
| 6 | Construction Zone Safety Inspection (1.5-Day) | Classroom | 1.5 day | NHI | \$350 | FHWA safety engineers and highway engineers, and State and local personnel involved in the management of traffic control plans and the inspection of construction zone safety devices | nhi.training@dot.gov |
| 7 | Construction Zone Safety Inspection (1-Day) | Classroom | 1 day | NHI | \$300 | FHWA safety engineers and highway engineers, and State and local personnel involved in the management of traffic control plans and the inspection of construction zone safety devices | nhi.training@dot.gov |
| 8 | Conducting Traffic Sign Retroreflectivity Inspection | Classroom | 4.5 hours | Rutgers, The State University of New Jersey | \$115 Private Industry, \$95 Government | Inspectors for agencies and organizations that choose the Assessment Method to maintain sign retroreflectivity. | Bethany Allinder, bethall@rci.rutgers.edu , 732-445-3632 |
| GUIDES/DOCUMENTS (Listed by Title) | | | | | | | |
| TITLE | DESCRIPTION | Format | LENGTH | PROVIDER | COST | TARGET AUDIENCE | Link |
| 11 | Work Zone Safety Inspection Training Course | Manual | Order Online | IMSA | \$60 member/ \$70 nonmember | Those responsible for inspecting work zones | http://www.crystal-vision.org/Merchant2h&Product_Code=sg-00 |

Design for WZs | Inspection of WZs | ITS | Law Enforcement | Management of WZs | Nighttime WZ Operations | Short C

Implementation

- States have developed and enhanced their WZ training programs
- Has the Agency updated/changed training for staff to address broader consideration of WZ impacts and management in scheduling, design, and implementation of projects?
 - 34 agencies (65 percent) responded that the Rule has caused a change in their WZ training
 - Of those, 15 agencies (29 percent) said they had made significant changes to their training



Implementation

- Three States to present some of their approach:
 - New Hampshire
 - Louisiana
 - Virginia