



# Important Compliance Deadlines

## Don't Get Caught By Surprise



Personal Protective Equipment (PPE) and Protective Clothing Supplies  
Photo courtesy of Engineering & Foundry Supplies

There are always new rules and regulations coming out - do this, don't do that - but we'll give you 5 years to comply. How are we even expected to remember 5 years later when the compliance deadlines approach?! The following highlight a few of the rules that have recently come into effect or that have compliance deadlines by this fall.

### Effective May 15, 2008

The Occupational Safety and Health Administration (OSHA) published a new rule clarifying the employer/employee responsibilities for payment of **Personal Protective Equipment (PPE)**. The rulemaking affects most of OSHA's PPE standards and includes regulatory text tailored for Part 1910, Part 1926, Part 1915, Part 1917, and Part 1918. The OSHA website includes a new release on the PPE rule, Ed Foulke's (OSHA Assistant Secretary of Labor) remarks, and the fact sheet: <http://osha.gov/briefing.html>.

The final rule requires **employers** to pay for almost all personal protective equipment that is required by OSHA's

general industry, construction and maritime standards. If the PPE is not required, then the employer is not required to pay for it.

The final rule does not create new requirements regarding what PPE employers must provide. It does not require payment for uniforms, items worn to keep clean, or other items that are not PPE. The rule contains several exceptions for ordinary safety-toe footwear and prescription safety eyewear, logging boots, ordinary clothing, and ordinary weather-related gear. *The rule only addresses the issue of who pays for PPE, not the types of PPE an employer must provide.* The employer is not required to pay for nonspecialty, safety-toe protective footwear (including steel-toe boots) and non-specialty

prescription safety eyewear, provided that the employer permits such items to be worn off the job site. The employer must pay for replacement PPE, except when the employee has lost or intentionally damaged the PPE. The employer may

...continued on page 8

**LOOK INSIDE**  
**LTAP Conference Highlights and Photos**

### In This Issue

#### COVER STORY

*Important Compliance Deadlines*

Personal Protective Equipment	1
HES Process: Funding Road Improvements	2
Equipment Training	3
Annual Local Roads Conference	4
A Plan for Improving Roadway Safety	5
LTAP Conference Wrap-up	6
High Visibility Apparel, Law Enforcement in WZ, and MUTCD Compliance Dates	8
New in the Library	9
Upcoming Events	11
Free Materials	12

### Routing Slip

After reading this issue of Colorado LTAP, please initial below and pass it along to the rest of your staff.

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The Colorado Local Technical Assistance Program is sponsored by the Federal Highway Administration, the Colorado Department of Transportation, and the University of Colorado at Boulder.

The Colorado LTAP Newsletter is published quarterly. Articles, pictures and comments are welcome.

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## Did You Know?

**A**t the Colorado Department of Transportation's recent Safety Seminar, participants were made aware of the **HES Process - Funding for Road Improvements**.

CDOT's Safety and Traffic Engineering Branch has a project that can greatly benefit local agencies. This project is called HES. It stands for **Federal Hazard of Elimination Program**. HES provides the opportunity for local agencies to apply for money to make improvements to roads with high accident ratings.

There is an application process in order to be considered for the money. Any municipality with local roads can submit an application. The big consideration for projects being accepted to receive the money is the accident rating on the proposed road. The HES selection committee looks at the project and then determines the benefit ratio. The team rates projects on the benefit ratio.

The HES committee will mail out applications at the end of October using the Colorado Municipal League's mailing list. Applications submitted this fall will be for projects taking place between 2010-2012. The deadline for applications

will be the end of January.

The application asks that agencies submit an accident history, the proposed project, and the cost of the project. The application is a fairly simple one page application. If agencies do not have the accident history in a readily available format, the HES team can often help get this information for agencies from CDOT's database.

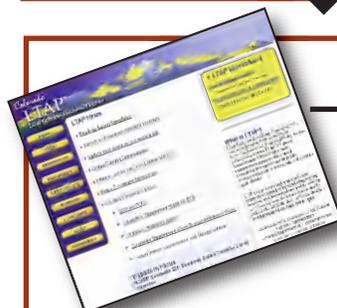
**If an agency is awarded the money, the HES project will cover 90% of the cost.** The agency is responsible for covering the remaining 10%. However, if the project is for a state road, **CDOT may be able to cover the agency's 10%**. The minimum sized project is \$50,000.

Agencies can combine more than one location into a project. Some examples of winning projects have been improvements to intersections such as signal upgrades, dilemma zone, and realignment. Other winning projects have focused on roadway improvements that involved shoulders, rumble strips, median improvements, and wildlife fencing.

If you have questions about any aspect of the HES process, please contact the HES Program Manager, Bryan Allery, at 303-757-9967.



**ATSSA in partnership with FHWA and NACE will host a *National Sign Maintenance and Management Workshop* in Texas, October 20-21, 2008. Twenty exhibitors will display the latest in sign technology. The event will also feature many informative workshops including: retroreflectivity, sign management and maintenance methods, funding, and implementation. For more information including registration, timelines for workshops and speakers, and exhibit hours, go to: [http://www.atssa.com/cs/root/meetings\\_events/national\\_sign\\_maintenance\\_and\\_management\\_workshop](http://www.atssa.com/cs/root/meetings_events/national_sign_maintenance_and_management_workshop).**



**<http://ltap.colorado.edu>**

Visit Colorado LTAP online today for online training, class registration, free lending library, and more.



## Heavy Equipment Training 2009 Location Hosts Needed

Colorado LTAP's Heavy Equipment training program has been a success since it started as a partnership with APWA and local agencies in 2005. The program is designed to offer participants an 8-hour classroom session plus 2-days in-field on the equipment. All participants are required to attend the classroom session in order to attend the in-field session. Due to the large number of participants, attendance is broken into two groups for the in-field session. Group 1, consisting of half the participants, attend the in-field session on Tuesday & Wednesday; and Group 2, consisting of the remaining half, attend on Thursday & Friday.

The training program covers equipment preventive maintenance, daily walk-around inspections, equipment safety, OSHA and industry standards, road maintenance practices, followed by hands-on operations.

Each year, Colorado LTAP partners with two local agencies (one in spring, one in fall) to provide this training. The host agency provides *at least* 4 motorgraders, loaders, or backhoes (depending on the type training), and a stretch of gravel road for the in-field sessions. Colorado LTAP coordinates all arrangements between the host agency, instructor, and caterer.

The training locations alternate by

quadrant each year. In 2009, we are looking for agency hosts in *Northeast* and *Southwest* Colorado.

Colorado LTAP works with Roger Johnson of *Heavy Equipment Training Solutions* to provide this training. There have recently been many changes at their organization. The first thing you will see different is the name. They were previously known as the Heavy Equipment Training Academy with a training center in

Julesburg, CO and the ever popular Road Show. One of their largest contracts was in Panama certifying some 800 operators to prepare for new construction on the Panama Canal. The previous owner, Jim Row has decided to stay in Panama and base his operation from there. To that end he has closed the school in Julesburg and Roger Johnson, David Karnes, and Kim Wilson have taken over

the Road Show under the new name of Heavy equipment Training Solutions.

They look forewarn to working with you on all your training needs. Whether it is training, certification, or both, they are available to help, visit their new website [www.hetsusa.com](http://www.hetsusa.com) or call Kim Wilson at 970-481-7884. While summer is over, the need to train and update your skills never ends. Roger says, "Remember - good operators *happen*, great operators are *made*, and we can help."

**Looking for agency hosts in *Northeast* and *Southwest* Colorado for Grader, Loader or Backhoe training.**

**Please contact Lindsay at the Colorado LTAP office if your agency is interested in hosting any of our Heavy Equipment Training programs.**

### Colorado LTAP Advisory Committee Members

◆  
**Marlene Crosby**  
Gunnison County

◆  
**John Baker**  
Town of Snowmass

◆  
**Adam Lancaster**  
City of Cañon City

◆  
**Richard McKee**  
City of Longmont

◆  
**Tammie Crawford**  
Routt County

◆  
**Doyle Villers**  
LaPlata County

◆  
**Kevin Scott**  
Phillips County

◆  
**Beth Moore**  
CDOT

◆  
**Craig Larson**  
FHWA

◆  
**Yunping Xi**  
University of Colorado  
at Boulder

◆  
**Renée Koller**  
Colorado LTAP



## Need a little Extra cash?



**Your  
knowledge  
is worth  
something.**

Our center is continuing its program to encourage local participation in the publishing of Colorado LTAP's quarterly newsletter. We would like the recipients of our newsletter to benefit from all the knowledge local agencies have in the areas of roadway maintenance, design, and construction. We are offering **\$50.00** to city, town, or county employees that submit an article that is chosen to be published in our newsletter. Articles can address current methods and procedures, best practices, innovative techniques, or projects in the transportation industry. Content should contain as much detail as possible, but we can provide assistance in editing and writing the final version. We request articles not promote any particular product. *Photos are encouraged.* To submit articles and/or photos, include author name and contact info, and mail or email to

**cltap@colorado.edu**

# Road to Rapid City

## 2008 Local Roads Conference

Colorado and the Region 7 LTAP centers present the annual two-day Local Roads Conference in Rapid City, SD for local agencies to learn about current hot topics in transportation.

**WHEN:** October 29-30, 2008

**WHERE:** Best Western Ramkota Hotel  
2211 LaCrosse Street, Rapid City, 605-343-8550  
*LTAP Local Roads Conference room block*

**REGISTRATION FEE:** \$70.00

**REGISTRATION INFO:** <http://ltap.colorado.edu>

### CONFERENCE TOPICS:

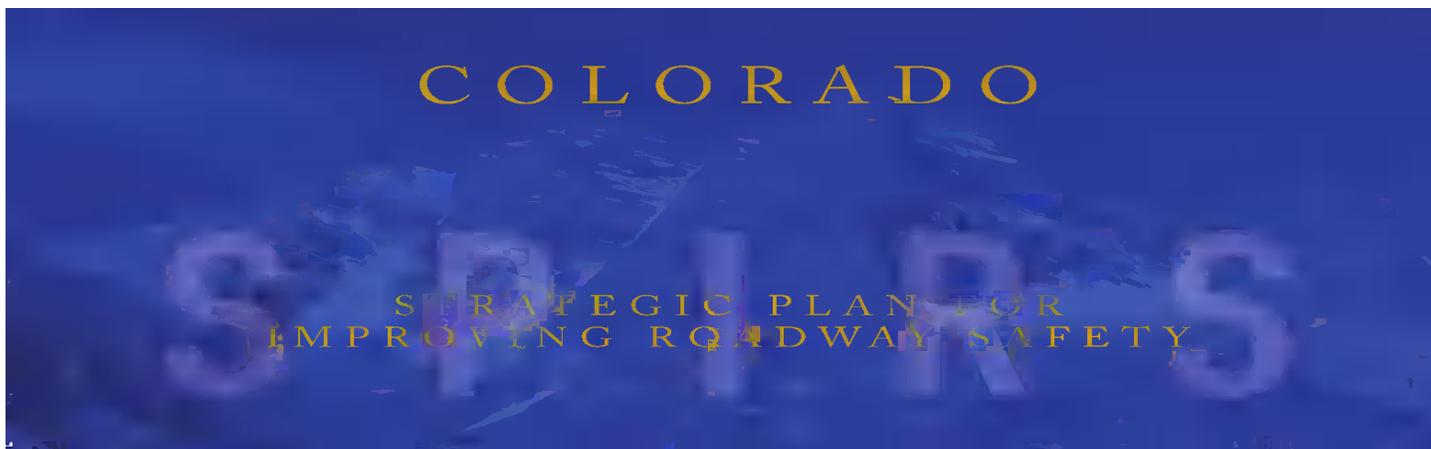
- Comments from FHWA
- NACE Report
- Local Agency Safety Projects
- Low Cost Safety Treatments
- "Coming To America", Claus Lembke, Guest Speaker
- Equipment Management, Lease Vs. Purchase
- Retroreflectivity Requirements
- Private/Public Partnerships & Economic Development
- "What I Was Thinking", Don Anderson, Guest Speaker
- "You Show Us" Contest Awards
- Updating or Replacing Signs Doesn't Cost It "Pays"
- Panel Discussion: Subdivisions, Economic Development, Encroachments, etc.



## Dont let this happen to you!

Time to check your equipment  
*before* winter maintenance  
season begins.





## Improving Roadway Safety Colorado's Strategic Plan

In the State of Colorado, we are proud to announce that we have witnessed a significant decrease in the number of fatalities and injuries due to motor vehicle crashes. It is our mission to continue this downward trend as Colorado continues to be one of the fastest-growing states in the nation. As the state grows, the need for an efficient and safe transportation system necessitates coordination and planning at all levels of government.

October 1, 2006 marked an unprecedented step in roadway safety planning in Colorado with the release of the inaugural Colorado Strategic Plan for Improving Roadway Safety (SPIRS). The Colorado Department of Transportation (CDOT) is the champion of this statewide plan. It is a data-driven planning document that integrates safety planning efforts of safety stakeholders into one document and serves as a tool for future planning efforts across the state. The SPIRS is updated every three years to ensure that the most current crash data available is driving the identification of focus areas and strategic actions to be taken to maximize safety on our roadways. The SPIRS is a statewide collaborative effort with safety stakeholders who play an integral part in contributing to its development and implementation.

Our SPIRS goes beyond the traditional engineering solutions. It focuses on the "four E's" of roadway safety – Education, Enforcement, Engineering and Emergency Medical Services. These roadway safety priorities have been further refined into

the 18 focus areas listed to the right. The SPIRS brings together all of the focus areas as a comprehensive plan to address roadway safety in the state and includes both strategic and action elements.

In 2009, our state will have another opportunity to revisit the SPIRS to look for ways to improve and enhance the document as well as discuss implementation strategies. The Colorado Department of Transportation, the Federal Highway Administration, and the National Highway Traffic Safety Administration along with other key safety stakeholders will facilitate a gathering of safety stakeholders from all over the state to revisit the SPIRS and make recommended improvements to the plan to ensure we are aligning our efforts where they will do the most good. As partners in roadway safety, we are committed to continuing to move the SPIRS forward as a unified team to reduce fatalities and injuries in Colorado. Stay tuned for more information on updating the SPIRS.

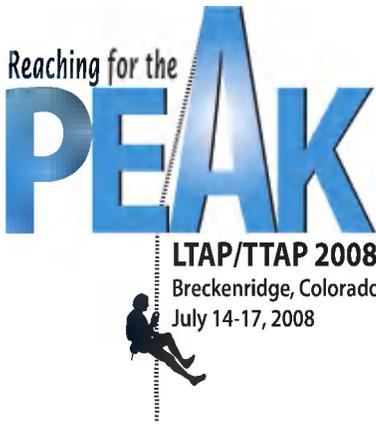
The Plan is available in both English and Spanish versions. Free copies are available through the LTAP center. To download a copy of *Colorado's Strategic Plan for Improving Roadway*, go to: [http://www.dot.state.co.us/Traffic\\_Manuals\\_Guidelines/Problem\\_ID\\_and\\_Annual\\_Report.asp](http://www.dot.state.co.us/Traffic_Manuals_Guidelines/Problem_ID_and_Annual_Report.asp)

For questions regarding the SPIRS, contact Marcee Allen, FHWA-Colorado Division Safety & Traffic Engineer, by phone at 720-963-3007 or by e-mail at [marcee.allen@fhwa.dot.gov](mailto:marcee.allen@fhwa.dot.gov).



### SPIRS FOCUS AREAS

- Potential Locations for Crash Reduction
- Rockfall
- Railroad Crossings
- Access Management
- Roadway Engineering Safety
- Traffic Crash Data Systems
- Work Zones
- Wildlife
- Occupant Protection
- Impaired Drivers
- Young Drivers
- Aggressive and Distracted Drivers
- Aging Drivers
- Motorcycles
- Bicycles and Pedestrians
- Safe Routes to School
- Large Trucks
- EMS Vehicles



# 2008 National LTAP Conference Breckenridge a Success!

After 4 days of lively sessions and committee meetings on a wide range of transportation issues, the 26th Annual LTAP-TTAP Conference in Breckenridge, CO is over. Colorado LTAP welcomed

more than 200 attendees from across the country including 12 participants from 5 countries making the trip to Breckenridge for the blend of beautiful scenery and useful programming. The program featured professional development roundtables as well as workshops on retroreflectivity, roadway safety, and session under four tracks: Communications, Training, Management, and Operations. The roundtables allowed LTAP staff members to share ideas, challenges and issues related to funding, program growth, communications, newsletters, program management, products and services, and developing partnerships.

All our hard work and extended hours seemed to pay off. Our office has received several letters of accolade for a well planned and beautifully executed conference. Due to our limited staff, we would not have been able to provide such a successful event had it not been for our volunteers. Colorado LTAP would like to sincerely thank all our volunteers and their employers for their time and commitment during the week of our conference - Dick McKee, City of Longmont; John Baker, Town of Snowmass Village; Adam Lancaster, City of Cañon City; Dave Weld and Beth Moore, CDOT; Craig Larson and BJ Kallas, FHWA; Dottie Fucetola, TTAP at CSU; and the M&M Door Nazis - Maren and Molly also with the TTAP at CSU.

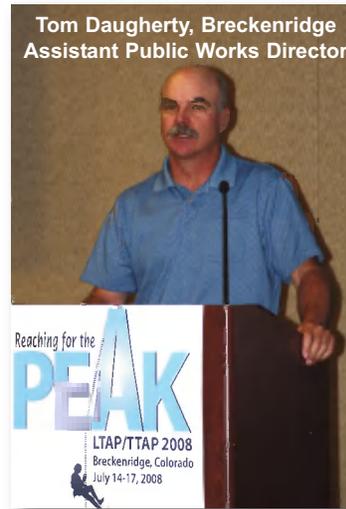


Maren McCutchan and Molly Dunkle were workers on loan from the TTAP center at CSU. Their official position for the conference was to serve as Door Nazis. They took tickets and checked name badges at all meal functions. They may seem sweet, but there was no sneaking past them!

The Keynote address was presented by Colorado State Representative Christine Scanlan who spoke on sensitive transportation issues in the Summit County area as well as current legislative issues concerning expansion of the I-70 corridor. Dr. Florine Raitano, Director of the I-70 Coalition, gave an informative presentation on "Everything You Wanted to Know About I-70 Transportation Issues, But Were Afraid to Ask." Tom Daugherty, Assistant Public Works Director for the Town of Breckenridge, intrigued attendees with an historical welcome to Breckenridge.



State Representative Christine Scanlan



Tom Daugherty, Breckenridge Assistant Public Works Director

The annual banquet was held mountainside at Ten Mile Station. At 10,234 feet, participants took in panoramic views of the Continental Divide while dancing and enjoying an al fresco dinner 2 miles high. The 5th Annual LTAP Conference was also held in Breckenridge in 1987. It was then called the Technology Transfer Director's Meeting and catered to a total of 74 participants. At this year's banquet, we had the



Ben Colucci, Puerto Rico LTAP; Patsy Anderson, Kentucky LTAP; Roger Dean, FHWA; and Bernie Alkire, Michigan TTAP.

pleasure of applauding 4 LTAPers that were in attendance at BOTH conferences!



**LTAPers are also known for having fun - as was evident at the ever popular session - *Failures: Lessons Learned***

After his second year of campaigning, Ken Skorseth of the SD LTAP won a landslide election to become the second Mayor of Oopsville at the 2008 NLTAPA Conference in Breckenridge. During a lighthearted lunch session titled “Failures: Lessons Learned”, LTAP centers from across the nation presented issues they’ve encountered and how failures were changed to success through perseverance and ingenuity. Each year, the most successful *failure* is honored as the Mayor of Oopsville.

Election pundits agreed that it was Skorseth’s humorous presentation and strong theme of “A Bad Afternoon on the Road”, that swung the campaign in his favor. “Ken’s presentation and stage presence are key points in his favor, but every LTAP staffer in the room could identify with the utter sense of futility that he portrayed in his presentation. And that’s what successful campaigning is about – reaching the hearts and minds of the voters.

Four other candidates mounted strong campaigns that illustrated their unique qualifications for chief executive of Oopsville. Lisa Cody of the Nevada LTAP discussed her experience in running futile awards programs under the campaign theme, “What to do when things go wrong.” Cameron Ishaq, FHWA consultant, outlined the dangers of entrusting LTAP staffers with complex mathematical computations in his campaign, “Double Counting”. David Orr of the NY LTAP discussed the pitfalls of publication proofreading in his stump speech, “Getting it Right *before* 10,000 Copies are Made.” Chris Ahmadjan of the MA LTAP told a cautionary tale of partnerships gone awry in his campaign against “Parasitic Partnerships”.



**On a more serious note, a panel of local agency representatives provided feedback on how LTAP could help locals in Emergency Response.**

Emergency response to wild fires, tornadoes, floods and earthquakes that ravaged cities and counties from New Hampshire to Hawaii, highlight the important role that LTAP centers can play in preparing for and responding to disasters. Panel members including municipal and county leaders from across the country said one of the biggest roles LTAP could play is to offer training on how government workers can do their jobs during an emergency. “We need to consider what we can offer proactively at our meetings and conferences,” noted John Habermann of the Indiana LTAP. “Some city always pulls ahead in terms of planning and preparation. We need to use their experience and leverage that with contacts we have in our LTAP programs.” Panelists addressed the importance of LTAP’s partnerships in each of their respective emergency situations whether it was drawing on significant resources through mutual aid programs, or pulling together wild fire training for over 300 equipment operators in just 10 days. Juro Sumada of Hawaii County Public Works challenged LTAP to think beyond its typical course formats to better prepare municipal and county workers to deal with emergency situations. Based on his experiences following their 2006 earthquake, he suggested “peer exchange training for field workers *by* field workers.” Sumada said that training should also include information on how to communicate with the public, and background on the chain of command during emergency operations.

Many of the panelists noted that management needs specialized training too. Sumada noted that many managers have an aversion to formal disaster training and have to be prompted to think beyond their day-to-day work. “Fire and police department personnel are typically the only local government staff trained to think about emergency operations as a regular part of their every day jobs,” he said.



Ken Skorseth, SD LTAP, is adorned with his mayoral sash and gavel.

Despite Ken’s vow to not run again, there are rumors of a grassroots write-in campaign to be mounted in preparation for the 2009 LTAP meeting in Pittsburg, PA.



## Important Compliance and Effective Dates You Don't Want to Miss

*continued from page 1...*

allow the employee to use agency- owned equipment and is not required to reimburse the employee for that equipment.

For an in depth understanding of the regulations, there is an Executive Report: *OSHA's New PPE Reg - What You Do and Don't Have to Pay For* available for purchase at: <http://www.pbpexecutivereports.com/er.asp?O=915&L=PPEB>.

The enforcement deadline was six months from the date of publication (November 15, 2007) to allow employers time to change their existing Personal Protective Equipment payment policies to comply with the final rule which became *effective May 15, 2008*.

### Effective November 24, 2008

The Federal Highway Administration has enacted a worker visibility regulation that will become mandatory on November 24, 2008. The new regulation requires workers to wear **high-visibility safety apparel** when performing tasks within the right-of-way on Federal aided highways. Those affected include highway construction, maintenance and survey crews. The rule applies to all workers, whether paid or volunteer, who are within the rights-ofway of Federal-aid highways.

A federal grant is available to help transportation agencies purchase the required safety clothing. Local agencies may use funding available under Section 402 of Chapter 4 of Title 23, the *State and Community Highway Safety Grant Program*, to purchase or replace high visibility garments for worker safety when this purchase is part of an eligible Section 402 highway safety project included in the State's approved highway plan.

For additional information regarding this rule, please review the full article in our Spring issue available on our website. The Federal Register regarding this rule is available at: <http://edocket.access.gpo.gov/2006/pdf/E6-19910.pdf>. This rule is *effective November 24, 2008*.

### Effective December 4, 2008

The Federal Highway Administration (FHWA) added Subpart K to 23 CFR 630, which included the final rule on the **use and payment of uniformed law enforcement officers in work zones**. Regulations apply to all Federal-Aid highway projects and are intended to reduce the likelihood of fatalities and injuries to road users and

highway workers. State agencies are also encouraged to implement them with other projects.

A **training course** has been developed that provides basic knowledge to promote the safe and effective use of law enforcement in work zones. Users will learn the role of law enforcement officers in work zones; proper practices and procedures related to the use of law enforcement officers in work zones; the component parts of a typical work zone; and standards and guidelines related to temporary traffic control in work zones. Requirements for the training of law enforcement personnel are included in Subpart J 23 CFR 630.

The training materials include an Instructors Guide, Participants Workbook, Pocket Guide, and Promotional Flyer. The materials are available from the Colorado LTAP library, or to download at:

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

These regulations become *effective December 4, 2008*.

### Effective December 22, 2008:

#### 5 Years from the effective date of the Final Rule of the 2003 MUTCD

**Section 3B.03 Other Yellow Longitudinal Pavement Markings** - spacing requirements for pavement marking arrows in two-way left-turn lanes.

**Section 3B.19 Pavement Word and Symbol Markings** - typical spacing of lane-use arrows in two-way left-turn lanes shown in Figure 3B-7.

**Section 4D.05 Application of Steady Signal Indications** - Item B.4 in STANDARD

**Section 4E.10 Pedestrian Intervals and Signal Phases** - pedestrian clearance time sufficient to travel to far side of the traveled way.

**Section 6D.01- Pedestrian Considerations** - ALL new provisions for pedestrian accessibility.

**Section 6F.59 Cones** - width of retroreflective stripes.

The MUTCD can be accessed online at: [http://mutcd.fhwa.dot.gov/kno\\_2003r1r2.htm](http://mutcd.fhwa.dot.gov/kno_2003r1r2.htm)



# What's New in the LIBRARY?



All videos, publications and CDs in the LTAP lending library are available for checkout for a two-week period, free of charge. To check out materials or request a library catalogue, contact the Colorado LTAP office at 1-888-848-5827.

Below is a list of most recent materials added to the library. Our library materials can also be ordered online at: <http://ltap.colorado.edu/ltaplibrary>

## New CDs

### Location

### Title

CD EM

*Equipment Maintenance: Winter*

This is the first of a five-part series on winter maintenance, entitled "Clear Roads." This module focuses on: - Pre-season Preparation - Common Types of Winter Maintenance Equipment - Mounting and Inspecting Snow Removal Equipment - Preparing for Each Event - Within-event Maintenance - Post-event Maintenance - Periodic Maintenance - End-of-season Tasks. On average, the complete program will take the user about two hours to complete. The student can exit the course at any time and resume where they last left off during a subsequent session, and topics can be completed in any order.

CD RSP

*Ready, Set, Plow! Tips and Tasks for Preparing Your Fleet for Snow Season*

Winter weather is an annual force to be reckoned with. Learn how to plan ahead to ensure that both your equipment and plow operators are up to the task. This program features checklists, tips on alternate vehicle usage, and how to stretch your budget dollars.

CD TFRS

*Training First-Rate Snowfighters*

Put an end to persistent and inadequate snowfighting once and for all! If you didn't attend the 2005 North American Snow Conference, you can still experience the excitement of being onsite. This program discusses how to get the most value from your snowfighter training program. Training resources will be identified, as well as key concerns and practical tips for training both experienced and inexperienced snowfighters.

CD ROE

*Running on Empty- Managing Fuel Costs in Your Fleet Operations*

Managing fuel costs is much easier when you have the right tools. This program will help simplify your fuel cost management. You'll hear tips from experts on ways to purchase fuel, as well as advice on managing other components of your fleet operations, such as gauging, pumps, and technology. Other topics addressed include price risk management, hedging, and opportunities of a changing market.

CD WZ

*Work Zones - Safety First*

This program will focus on setting up, maintaining and dismantling work zone areas; procedures for employing daytime vs. nighttime operations; new retro-reflectivity regulations that will impact work zone signage. Increase the safety of your crews and the public, day and night.

CD WZTLEC

*Work Zone Training Law Enforcement Course*

This program covers the safe and effective use of law enforcement personnel in work zones. A training course that provides the basic knowledge to save lives, avoid work zone crashes, and improve safety when working in a work zone. Tools provided for this training course consist of an Instructors Manual, Participants Guide, Pocket Guide, and PowerPoint Training Modules. All these components are on the CD as well as a hard book copy: B5 WZTLEC.

## New DVDs

### Location

### Title

DVD CRI

*Conflict Resolution- Industrial*

Whenever two or more people come together, eventually they will experience conflict. Give your employees the skills to work toward a solution in a productive, positive way. Techniques and strategies to limit the damage and disruption are discussed in this straightforward video as well as: Consequences of conflict and how it can disrupt the workplace, The common causes of workplace conflict and how to recognize them, Diffusing disagreements before they get out of hand, How collaboration can be a tool in resolving conflicts.

DVD FAS

*First Aid Safety*

In most facilities, not a day goes by without some type of injury occurring. It can be as minor as a small cut or as serious as a chemical burn. But any injury can be painful and affect an employee's work performance - as well as their life off the job. This video demonstrates to employees that knowledge of basic first aid can often limit the severity of any type of injury, or even prevent a death. This video includes: Cuts and bleeding; Muscle pulls and sprains; Burns; Broken bones; Shock; Artificial respiration / CPR; and AEDs (Automated External Defibrillators).

DVD ST

*Slips, Trips, And Falls: Updated*

Slips, trips, and falls account for more workplace injuries every year than any other type of accident. Teach your employees to recognize, prevent, and avoid potentially hazardous situations. This program covers: - Why slips, trips, and falls occur; fall physics - Common causes of accidents (wet and oily surfaces, ice, poor visibility, stairway, ladder, storage hazards); how to fall safely - Techniques to avoid slips, trips, and falls - The importance of safety shoes

DVD HDWDP

*How To Deal With Difficult People*

This program takes a look at what you can do to deal with the people who seem to delight in making your life miserable. Learn to co-exist with all kinds of difficult people and free yourself from their grip. Program highlights include: What to do when someone starts yelling or threatens you - The one mistake people make that's guaranteed to escalate conflict - What to do when your "difficult person" is your boss - When to call in a third party to resolve a stalemate - How to know when YOU are the difficult one.

## New Publications

### Location

### Title

50 CWZBP

UPDATED: *Colorado Work Zone Best Practices Safety Guide*

Updated in February 2008, this CDOT guide provides information and tools needed to create a safer work zone environment. This guide focuses on reducing vehicle intrusion into work zones; reducing work zone accidents, injuries and deaths; ensuring contractor compliance; educating the public; and reducing construction impacts to traveler mobility and safety. Also available online.

60 ECTSG

*Erosion Control Treatment Selection Guide*

This 53 page guide presents a strategy and information to assist professional judgment in developing cost-effective erosion control treatments for conditions commonly encountered on USDA Forest Service lands. This guide focuses on erosion control treatment and does not specifically address sediment control.

20 HCS

*Low Cost Treatments for Horizontal Curve Safety*

Designed to provide practical information on low-cost treatments that can be applied at horizontal curves to address identified or potential safety problems. It describes multiple treatments w/ examples; suggests when the treatment might be applicable; provides design features; information on the potential safety effectiveness and costs. The publication concludes with a description of maintenance activities that should be conducted to keep the treatments effective. FREE copies are also available from the Colorado LTAP library or from the FHWA Report center online. Download the PDF version at: [http://safety.fhwa.dot.gov/roadway\\_dept/pubs/sa07002/index.htm](http://safety.fhwa.dot.gov/roadway_dept/pubs/sa07002/index.htm).

# LIBRARY?

## Upcoming Events

### Upcoming Training

NOTE: Please contact the Colorado LTAP office for an updated schedule, or check online at <http://ltap.colorado.edu>.

#### Road Scholar Core Classes

##### Safety on the Job

October 2, 2008 - Durango  
October 15, 2008 - La Junta  
October 9, 2008 - Fort Morgan  
October 23, 2008 - Castle Rock

##### Drainage

November 20, 2008- Durango  
November 25, 2008- Grand Junction  
December 4, 2008- Pueblo  
December 9, 2008- Golden

#### Road Scholar Electives

##### NEW! Winter Survival

October 15, 2008 - Glenwood Springs  
October 16, 2008 - Pueblo  
October 17, 2008 - Fort Morgan

##### Topics on Concrete Pavements

October 28, 2008 - Colorado Springs  
October 30, 2008 - Grand Junction  
November 3, 2008 - Fort Collins

##### NEW! Retroreflectivity Standards - Compliance and Maintenance

November 5, 2008 - Pueblo  
November 6, 2008 - Golden  
November 14, 2008 - Durango  
November 18, 2008 - Fort Morgan  
November 24, 2008 - Grand Junction

##### Safety Risk Management

November 10, 2008 - Glenwood Sggs  
November 12, 2008 - Colorado Spgs  
November 13, 2008 - Fort Collins

### Remember!

You can register *online* at:  
<http://ltap.colorado.edu>

#### Supervisory Skills Classes

##### Dos & Dents: Legal and Liability Issues

October 7, 2008 - Englewood

##### Whole New World

Local & State Government Operations

October 29, 2008 - Lakewood

##### So You Are a Supervisor Now

Supervisory Roles and Responsibilities

December 2, 2008 - Grand Junction

##### Successful Employees Make Successful Supervisors

December 3, 2008 - Grand Junction

### Conferences

##### APWA Western Snow & Ice Rodeo

September 23 - 26, 2008

Estes Park, CO

Visit the website for more info:

[www.westernsnowandice.com](http://www.westernsnowandice.com)

##### LTAP Local Roads Conference

October 29 - 30, 2008

Rapid City, SD

More info on Page 4, or <http://ltap.colorado.edu>

##### FREE CARMA Winter Workshop

November 20, 2008

Fort Collins, CO

Contact LTAP for more info.

##### CCI Winter Conference

December 1 - 3, 2008

Colorado Springs, CO

Visit the website for more info: [www.ccionline.org](http://www.ccionline.org)

##### Transportation Research Board (TRB) 88th Annual Conference

January 11 - 15, 2009

Washington DC

<http://gulliver.trb.org/meeting/2009/default.asp>



Each year 42,000 Americans are killed on our Nation's Roadways. **Imagine... a day with ZERO traffic fatalities.** You can become involved to promote the reduction of fatalities by utilizing resources and information available on the "Put the Brakes on Fatalities" website at:

**[brakesonfatalities.org](http://brakesonfatalities.org)**

Use this information to initiate and create your own event or program. Mark **October 10, 2008** on your calendars as "Put the Brakes on Fatalities Day". Change your driving habits and encouraging others to do the same. Tell your family, coworkers, and friends, AND...

**Drive as if Your Life Depends on It**

**Did You Know?**

**43,300 traffic fatalities occurred last year.**

—  
**That's about 119 fatalities every single day**

—  
**one fatality every 12 minutes!**

# FREE MATERIALS

The following is a list of **FREE materials** available to Colorado local government agencies in the transportation field. Quantities are limited and available on a first-come, first-serve basis.

Contact the Colorado LTAP office to put in a request for these free publications.

\*\*Check out our website for additional free materials not listed here.

<http://ltap.colorado.edu>

## **F50 GLE** *Guide for Law Enforcement Personnel in Work Zones*

This guide explains work zone operations and outlines roles and responsibilities. It contains guidelines and concepts developed from the MUTCD and meetings of the Work Zone Law Enforcement Training Steering Group. These guidelines are intended to help law enforcement and transportation agencies provide more efficient traffic control, prevent crashes and save lives. You should supplement the information in this guide with applicable regulations, standards and requirements for your jurisdiction..

## **F50 WES** *Workplace and Equipment Safety Fact Sheet*

The Kansas LTAP developed this simply written fact sheet. This specific list of considerations will serve as a resource for safety conversations between workers and supervisors and managers.

## **F12 WMPRW** *Why Manage the Public Right-of-Way?*

With the surge in new communication providers, de-regulation of electric and gas industries, the need to upgrade aging water, sewer and drainage facilities coupled with enhanced environmental requirements, it is vital that public agencies retain authority to execute their statutory obligations and duties related to the public right-of-way. This booklet addresses public agency's authority to regulate and manage public right-of-way to ensure its efficient use through the development and implementation of effective policies, practices and regulations.

## **F60 ECH** *Erosion Control Handbook for Local Roads*

This handbook is helpful in identifying key issues and concerns of those responsible for controlling erosion on low volume roads. Topics include: The Importance of Erosion Control; Regulation and Permitting; Designing an Erosion Control Plan; Treatment Selection; Erosion & Sediment Control During Construction; Permanent Erosion control; and Erosion Control for Coastal Areas.

## **F20 WCG** *Why Curb and Gutter?*

How many times have you heard "Curb and gutter costs too much.?" It's an increasingly common problem today. Rising construction costs are forcing developers and builders to pressure public works officials into reducing standards in the interest of affordable housing. This booklet can help you fight back by laying out the facts of the false economy of ribbon paving and highlighting many other benefits.



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