



A Useful Tool in the Pavement Preservation Toolbox— Rejuvenator Seals

by Doyt Y. Bolling, Director, Utah LTAP Center with excerpts from the Pavement Preservation Journal by Jim Brownridge

With the current short supply of many of the asphalt pavement preservation materials, there still remains the tool of rejuvenating seals. While this tool has been around for many years, it is not always used to its maximum benefit.

Rejuvenating seals serve to extend the life of asphalt pavements and when used properly can be highly beneficial. Determining when and where to use them to achieve good results is the key. Applied when the asphalt pavement begins to show signs of oxidation, and even low severity cracking, such seals serve to add service life to the pavement. It is highly advisable to test the pavement before application to determine the proper application rate and avoid having a slick surface after application. Rejuvenating seals are often used as both routine maintenance and preventative maintenance treatment.

The following excerpt from the Pavement Preservation Journal by Jim Brownridge (in italics) documents benefits realized on sections of rural roads and moderately to



highly traveled residential roads in Austin, Texas, and surrounding counties:

In 2005, Travis County looked at the use of a maltene-based rejuvenator to address the deterioration and oxidation taking place in their dense graded asphalt pavements. Such rejuvenators have been used in North America for more than forty years. This rejuvenation process [was used] with an eye to extending pavement life an additional five to eight years, and hopefully beyond with subsequent applications.

The county placed several full road width test sections of the rejuvenating agent. They saw excellent absorption and penetration into the

(continued on page 2)

Inside This Issue

Go Green with E-mail Notification of Newsletter....2

Utah Construction Career Days--A Success Story.....3

New Approach for America's Transportation Future.....4

Welcome to New USU Faculty Member5

Utah Code Changes & Underground Utilities5

UDOT Local Government Programs Corner6

Zero Fatalities Safety Summit Returns6

Prepare Now for Winter Driving7

Webinars...Stretch Training Dollars.....7

Product & Project Demonstration Showcases ...8

Upcoming LTAP Courses, Workshops & Webinars.....9

Partners Happening.....10

2008 UDOT Engineering Conference11



(continued from page 1)

binder. Testing done by APART, Inc. (Asphalt Pavement and Recycling Technologies, Inc., Shafter, Calif.) revealed that the rejuvenator was fluxing with the binder, and results showed a decrease in micro-viscosity of the binder in the range of 60 to 300 percent, along with a corresponding increase in penetration values. It became evident that the rejuvenator could work in Travis County. The use of a rejuvenator was of most interest as product cost was one-third to one-half the cost of the closest alternate, which would be a wearing course seal. Using such an alternative to treat the current condition of the dense graded asphalt pavement and the many miles of road inventory—would have deeply impacted the county budget. Chip or Type 1 and 2 Slurry Seals are typically placed on more severely distressed pavements in the county.

Starting in 2006, Ward and Travis Counties went forward with a program of rejuvenating 35 to 50 miles per year. The project was bid with a tight set of specifications. Any remedial hot pour rubber crack filling work was done 4-8 weeks ahead of the application. In 2008 the program was in its third year. Work is performed during June to August, when ambient temperatures are 65 to 85 deg F (18 to 30 deg C). The rejuvenating emulsion is applied at application rates of 0.07 to 0.08 gallons per square yard, diluted to 2 parts product to 1 part water (0.32 to 0.36 liters/sq. meter). A washed concrete sand is used as a blotter at a rate of 1 to 2 lbs. per sq. yard

(0.45 to 0.90 kg/sq. meter). The sand blots any rejuvenator that has not fully penetrated the surface. The rejuvenating emulsion breaks or cures in about 40 minutes. Typically one half of the road is done at a time to allow the material to break and not impede traffic. Traffic control is provided by the contractor. Door leaflets are used to advise residents several days ahead of the application. To-date there has been a 95 percent success rate in clearing the streets of vehicles prior to application. The subdivision streets are vacuum-swept 24 to 48 hours after application. Because the rejuvenator does not contain asphalt, coal tar base or gilsonite, which can be tracked into homes and businesses, there were little to no citizen complaints.

On Travis County pavements, the top 3/8ths inch of each core was removed for testing as prescribed by California Test Method 365 and

348 (CTM 365 & 348). Factual examples of core data testing indicate that in all locations of the treated roads the pavement will be more resistant to moisture infiltration and have less potential for the pavement to crack.

Travis County and Pavement Restoration, Inc. are showing other agencies their method of extending pavement life at a low cost.

Further information on Travis County's experience can be obtained from the Fall 2008 Pavement Preservation Journal No. 17, along with other useful information on pavement preservation.

In Utah, the City of Cottonwood Heights is currently placing rejuvenating seals on a number of their roads. This work will be monitored closely with respect to the benefits achieved.

GO GREEN...LTAP Customers Invited to Receive E-mail Notification of On-line Newsletter & MORE!!!

You are invited to ["GO GREEN"](#) and start receiving our quarterly newsletter electronically! To do so, simply send an e-mail to [utahltap@usu.edu] asking to be put on our electronic mailing list. You will be sent an e-mail notice (with a hot link) that the quarterly newsletter is available to download from our Web site in .pdf format. You'll get important information sooner than the print version, save a few trees and help us stretch the dollars we have to serve you!

Also available are notices of new materials in our lending library! They are a great way to spice up your next safety meeting, learn more about a new product or process, and for only the cost of mailing the material back to us when you are done! You can see a complete list of available materials for you to utilize on-line at our Web site: www.utahltap.org!



Utah LTAP Center
Page 2
October 2008

Utah Construction Career Days--A Success Story

With the serious problem of a shortage of skilled workers continuing to plague the construction industry, Construction Career Days events are proving to be a cost-effective way of introducing the construction trades to the workforce of tomorrow. During the Spring of 2008, more than 9,000 middle and high school students participated in three Construction Career Days events at different locations in Utah at a cost of a little more than one dollar per student! More than 80 schools brought students to these events including more than 40% female representation, and between 15-22% minority representation.

One average-size school district sent more than 500 students to one event! That represents approximately 25% of the students eligible to participate from that district. (The students from the middle school were required to attend in an effort to expand their understanding of employment options in the future, while high school students were given the option of participation based on their interest.)

The process of putting together a successful event begins months in advance with the planning committee. Each planning committee is different, and includes representatives from the school districts who



will be invited to the event (determined by the geographic area to be served by the event), trade groups and organizations, local technical colleges, companies doing business in the construction trades, and from local (city/town and county), State and Federal agencies.

The Utah LTAP Center's role is to advertise the need for sponsors, contact potential members of the planning committee, and arrange meetings for the committee to plan and prepare for the event. We also host a Web site specifically for Utah Construction Career Days: <http://www.utahccd.usu.edu>. The site contains information for potential exhibitors and sponsors, and location and registration information for schools to complete before bringing their students to the events.

Committee members take on the responsibility of advertising the event to students, arranging sponsors (in-kind and direct financial) from among their contacts, coordinating equipment for the hands-on demonstrations, and preparing the bags for each student participant (each includes at least a hard hat and safety glasses and any other items arranged to be donated by the committee). Sponsors are given credit with banners and posters at the event and are broken into levels: platinum (\$1000+), silver (\$500-1000), bronze (\$250-499), and bag (items for inclusion in the student bags) sponsors. The Utah Department of Transportation, Utah Occupational Safety and Health Administration (OSHA), and Utah Department of Workforce Services act as major State sponsors for each event.



Utah's traditionally large families (compared with the national average) make for a greater number of student-age children in the overall population of the state. Those children will need jobs when they grow up, and the construction trades stand ready to encourage their training and employment! Utah Construction Career Days events have proven to be an effective and positive way for those involved in the construction trades to get the word out to the workers of tomorrow!

By far, the greatest draw for the students is the hands-on element of the Construction Career Days events. Many students have never even picked up a hammer, let alone sat behind the wheel of a large piece of equipment! The overwhelming response by the students and their teacher escorts is positive. They get to see and take part in something beyond their classroom experience and see how it might be turned into a future career opportunity. Sponsors are also positive about their participation. Everyone involved seems to be recharged by the chance to interact with the future, today!



Transportation Secretary Peters Unveils New Approach for America's Transportation Future

"A clean and historic break with the past is needed to encourage the future vitality of our country's transportation network," said U.S. Transportation Secretary Mary E. Peters, in unveiling the Administration's new plan to refocus, reform and renew the national approach to highway and transit systems in America. "Without a doubt, our federal approach to transportation is broken. And no amount of tweaking, adjusting or adding new layers on top will make things better," Secretary Peters said. "It is time for a new, a different and a better approach."

The Secretary said the plan sets a course for reforming the nation's transportation programs by outlining a renewed federal focus on maintaining and improving the Interstate highway system, instead of diverting funds for wasteful pet projects and for programs clearly not federal priority areas like restoring lighthouses.

Addressing urban congestion and giving greater flexibility to state and local leaders to invest in their most needed transit and highway priorities is another key focus of the reform plan, said Secretary Peters. Local leaders will have greater freedom and significantly more resources to fund new subways, bus routes or highways as they choose, based on the needs of local commuters instead of the dictates of Washington.

As part of this focus on congestion, the plan would create a Metropolitan Innovation Fund that rewards cities willing to combine a mix of effective transit investments, dynamic pricing of highways and new traffic technologies, the Secretary said.

The reform plan also calls for greatly reducing over 102 federal transportation programs which have proliferated over the last two decades replacing them with eight comprehensive, intermodal programs that will help focus instead of dilute investments, and cut the dizzying red-tape forced upon local planners, she said.

Secretary Peters said the hallmarks of the plan include:

- a refocused and redoubled emphasis on safety. This will use a data and technology-driven approach that also gives States maximum flexibility to tackle their toughest safety challenges.
- improving the current average time of 13-years it takes to design and build new highway and transit projects in the United States. The federal review process would be streamlined to ask the same stringent environmental and planning questions, but get answers more quickly.
- more direct pricing options, like tolling. This empowers States to take advantage of over \$400 billion available worldwide for infrastructure investments from the private sector.

The Secretary emphasized that

central to any reform for transportation is finding new revenue sources to supplement the unpredictable and unsustainable gas tax, in order to fund maintenance and pay for new needed projects. She said the gas tax is an antiquated mechanism, underscored by the current climate of high gas prices. Americans are driving less and taking advantage of transit options, but less driving also results in less revenue for transit operations.

"Our plan will make it easier to pay for and build roads and transit systems. It will deliver fewer traffic tie ups, better transit services and a stronger economy. It will make our roads safer and give Americans new confidence that the money they invest in transportation will actually deliver results," Secretary Peters said.

The Secretary said the plan lays out the Administrations' framework for completely overhauling the way U.S. transportation decisions and investments are made, and is intended to spur local, state and federal debate about how best to incorporate the new reforms into surface transportation legislation slated to be considered by Congress in 2009. She will personally brief Members of Congress on the contents of the plan.

A copy of the reform plan is available at www.fightgridlocknow.gov.

A copy of the remarks can be found at <http://www.dot.gov/affairs/peters072908.htm>.

Welcome to New Transportation Faculty Member Dr. Kevin Heaslip

*excerpt from The Innovative
Engineer, Fall 2008*



Dr. Kevin Heaslip has recently joined the faculty of the Civil & Environmental Engineering Department at Utah State University specializing in Transportation Engineering. Dr. Heaslip received his PhD from the University of Massachusetts Amherst, his Master of Science degree in Civil Engineering (Transportation) and a Bachelor of Science in Civil Engineering from Virginia Tech.

Dr. Heaslip's research interests include sustainable and resilient transportation infrastructures, traffic operations, transit operations, and intelligent transportation systems. In addition, his research involves design and operations of work zones on freeways and arterials in addition to the driver's response to those design elements.

We are pleased to have the opportunity to work with Dr. Heaslip and extend him our warmest welcome!

Amended Changes to Utah Code Strengthen Protection for Underground Utility Facilities

by W. Gary Hansen, Executive Director, Blue Stakes of Utah

For over 30 years, Blue Stakes mission has been to promote public safety and minimize damage and service interruptions to underground utilities. Blue Stakes is the only statewide association you need to contact in order to facilitate location and marking of underground utility lines prior to excavation.

During the 2008 Utah Legislative Session, House Bill 341 amending Utah Code Title 54, Chapter 8a, Damage to Underground Utility Facilities was introduced, passed, and signed into law. The amended changes became effective on Monday, May 5, 2008.

Highlights of the amended changes include:

- An entity issuing a permit for building or construction that may require excavation may, and is encouraged to, include a notice on or with a permit stating, "Attention, Utah law requires any excavator to notify the owner of underground facilities 48 hours before excavating and comply with Utah Code Title 54, Chapter 8a, Damage to Underground Utility Facilities."
- If more than one excavator will operate at the same excavation site, each excavator is required to have their own locate request.
- Update Notices will now be processed by Blue Stakes of Utah to extend the life of the excavation

14 calendar days from the expiration date of the locate request being updated.

- An excavator is required to immediately call 911 if damage to an underground facility may result in an immediate risk to human life.
- Civil penalties have been increased to an amount no greater than \$2,500 per violation on an excavation site with a maximum civil penalty of \$100,000 for multiple violations on an excavation site. An excavator who fails to provide notice of an excavation is also subject to an additional \$500 civil penalty.
- Enforcement of this law may now be brought by the Attorney General.
- An Underground Facilities Damage Dispute Board is to be created within the Public Service Commission to arbitrate damage disputes.

Anyone interested in viewing all of the amended changes to Utah Code Title 54, Chapter 8a, Damage to Underground Utility Facilities that became effective on May 5, 2008 may do so by accessing the Utah Law link on Blue Stakes Web site at www.bluestakes.org and selecting HB341-Enrolled Copy.



UDOT Local Government Programs Corner

by A. Matthew Swapp, P.E., UDOT Local Government Programs Engineer

Update on Project Applications for Transportation Enhancement Funds

Due to uncertainties related to the Federal Transportation Bill that expires in 2009 and given that we are programmed out through year 2011, no Transportation Enhancement project applications are being accepted this current year (July 1, 2008- June 30, 2009). Updated information will be posted on the UDOT Web site [www.udot.utah.gov] as appropriate.

Project Applications for Joint Highway Committee Administered Funds

Project applications for the Off-System Bridge, STP Non-urban, and State Park Access program funds will be due on January 9, 2009. Project application forms and instructions are available on the UDOT Web site [www.udot.utah.gov].

Local Government Bridge Summit

A local government bridge summit was held on August 19th at the UDOT Region 3 Orem office and

transmitted via videoconference to each of the other UDOT region offices. A number of local officials, areas consultants, and UDOT staff were in attendance.

The purpose of the meeting was to encourage local governments to consider a number of possible options when replacing local bridges. There are currently a number of pre-designed, pre-fabricated bridge

options that are available and that may prove more cost effective than traditional construction for given applications.

Many thanks to Acrow Bridges, Big R Manufacturing, and Contech Bridge Solutions for their presentations. Additional information is available on the specific Web sites for each of these companies.

Zero Fatalities Safety Summit Returns October 6-7, 2008 to Salt Lake City

Since its inception two years ago, awareness of Utah's "Zero Fatalities" program has increased to an impressive 49 percent, while traffic fatalities have dropped by 24 percent since 2000. There is still work to be done as every life lost to traffic deaths still continues to impact us all. Convincing drivers to avoid dangerous driving behaviors and implementing measures to improve safety can help bring us closer to our goal of Zero Fatalities.

Despite the increasing numbers of drivers on our state's roadways, Utah continues to pave the way in traffic safety. But as long as traffic fatalities continue to occur, we know there is still more to do. Utah has the good fortune of countless individuals and organizations who have made it their mission to create transportation solutions designed to bring our friends and family safely home each night. It's important for these groups to set aside time to collaborate and share new findings with one another to ultimately reduce the loss of life on Utah's roadways.

You are invited to take part in this important opportunity for collaboration October 6-7, 2008 at the Salt Lake City Marriot University Park Hotel in Salt Lake City. Registration is only \$50 with a limited number of scholarships available! You can register and find out more on-line at [<http://www.zerofatalities.com/summit/>].

This event is brought to you by the Utah Department of Transportation and the Utah Department of Public Safety, along with the Utah Safety Council and Penna Powers Brian Haynes.



Utah LTAP Center
Page 6
October 2008

Prepare Now for Winter Driving

from the Utah Safety Council

It is important to prepare your car for winter. You should start with a checkup that includes: (1) checking the ignition, brakes, wiring, hoses and fan belts; (2) changing and adjusting the spark plugs; (3) checking the air, fuel and emission filters, and the PCV valve; (4) inspecting the distributor; (5) checking the battery; (6) checking the tires for air, sidewall wear and tread depth; and (7) checking the antifreeze level and the freeze line. Your car should also have a tune-up (check the owner's manual for the recommended interval) to ensure better gas mileage, quicker starts and faster response on pick-up and passing power.

If you do become stranded:

- Do not leave your car unless you know exactly where you are, how far it is to possible help, and are certain you will improve your situation.
- Attract attention, by hanging a brightly colored cloth from your antenna.
- If you are sure the car's exhaust pipe is not blocked, run the engine and heater for about 10 minutes every hour or so depending upon the amount of gas in the tank.
- To protect yourself from frost-bite and hypothermia keep some woolen items and blankets in your trunk to keep you warm in the event of an emergency.
- Keep at least one window open slightly. Heavy snow and ice can seal a car shut.
- Eat a hard candy to keep your mouth moist.

Webinars Great Way to Stretch Training Dollars

To stretch your agency or company training dollars (as well as transportation and accommodation costs), you may want to consider tapping into the many webinar resources now available!

NHI

NHI offers a variety of on-line training. Find out more at [<http://www.nhi.fhwa.dot.gov/resources/webconference/eventcalendar.aspx>].

ACPA

The ACPA also offers on-line training. Learn more at [http://www.pavement.com/Events_and_Programs/Education_and_Training/Webinar-Training-2008.pdf].

ATSSA

ATSSA offers webinars regularly, and they also have a way for you to catch up on any topics that you've missed--the ATSSA Webinar CD-ROM Library! The cost is \$29.95/CD-ROM for ATSSA members, and \$49.95 for non-member. Below is a list of titles currently available, with more being added frequently!

- Overview of the 2007 Notice of Proposed Amendments to the MUTCD
- Sign Retroreflectivity
- Corrugated Beam Barriers
- Proposed Changes to Crash Testing Guidelines
- Guardrail Installation Series 3

- Intersection Safety
- Nighttime Work Zones
- Join the Journey of Your Strategic Highway Safety Plans: From Creation to Project Funding
- Advancing Safety Through SAFETEA-LU
- SAFETEA-LU
- MUTCD Part 6: Sign Specifications & Materials
- MUTCD Part 6 : Advanced Warning
- MUTCD Part 6 : Introduction to Traffic Control Standards
- Temporary Traffic Control for Urban Areas
- Guardrail Installation Part 2- Inspection & Maintenance
- Work Zone Safety and Mobility Final Rule
- The Safety Effects of Traffic Sign Upgrades
- Setting Up a Successful National Work Zone Awareness Program
- The New Standard Highway Signs Book - An Overview
- Standard Guardrail Installation: A How To
- Innovative Uses of Federal Highway Safety Funds
- New Developments in Emergency Traffic Control

You can find out about current on-line offerings, and get ordering information on their past-training CD-ROMS at [http://www.atssa.com/cs/root/education_certification/atssa_webinars].



Product & Project Demonstration Showcases: Resources for Local Agencies to Learn From Each Other

To help you tap into the experience of others, we are pleased to help bring the following FREE product and project demonstration showcase to you! You can find out more and register on-line at our Web site: www.utahltap.org.

Roundabout Product Demonstration Showcase Traffic Improvement Project December 10, 2008 La Jolla, CA

You are invited to observe first hand the success of the Bird Rock Traffic Improvement Project at this product demonstration showcase!

- See how roundabouts were effectively used as part of a comprehensive traffic improvement plan for the Bird Rock Community of San Diego, California.
- Learn how the City of San Diego was able to take a five-lane boulevard carrying 22,000 vehicles per day plagued with high vehicular speeds, safety concerns, and struggling businesses and transform it into a safer, vibrant and aesthetic centerpiece for the community.
- Learn how the roundabouts on LaJolla Boulevard led to im-

provements in vehicular safety, manage speeds, and enhance the walk-ability throughout the area.

- Learn how these improvements were accomplished through a reduction in the number of traffic lanes from four to two (i.e. one in each direction).

Your peers from the City of San Diego will share how they were able to: overcome a “history” of project opposition; develop trust and meaningful partnerships within the community; utilize a project development process that recognized community values, built consensus and effectively involved stakeholders; gain local elected officials and public/private partner support; provide results that improve pedestrian safety and ambience for residents and visitors; utilize design charrettes and community volunteers; collaborate with the disabled community to remove access barriers; improve the area’s economic vitality; accommodate the additional traffic from new development of condominium residences; accommodate the need for commercial parking; reduce cut-through traffic (avoiding congestion) on residential streets; and improve the neighborhood quality of life!!!!

*Remember, this event is FREE.
All you need to do is register on-line
at www.utahltap.org!*

Highways for LIFE Project Showcase—

Highlights Alternate Project Delivery & Accelerated Bridge Construction in Oregon



The Highways for LIFE Project Showcase, held September 5-6, 2008 in Cottage Grove, Oregon, was a resounding success for everyone involved!

This project involved the replacement of five substandard major structures on Oregon’s Umpqua River Highway, a major corridor between I-5 and US 101 near Elkton, Oregon, utilizing Accelerated Bridge Construction (ABC) techniques.

Featured speakers included representatives from FHWA (Mary Huie, Vasant Mistry, and Jerry Blanding); Oregon DOT (Bruce Johnson and Steve Narkiewicz); and representatives from the contractors and PR firm involved with the project (TY Lin Engineering, Slayden Construction and Lois D. Cohen Associates).

The final day included a site visit for attendees to witness the bridge slide project up-close.



Upcoming LTAP Courses, Workshops & Webinars

It's time to step back into training before the busy winter season descends upon us! Dates are already being scheduled for 2009, so make your requests as soon as possible! Also, please check out Web site for additional workshop and webinar offerings!!

ATSSA Flagger Training

• November 17, 2008 (SLC)
Cost: \$40
Time: 8 am-12 noon (AM session),
1-5 pm (PM session)
Participants will need to download and bring a copy of the UDOT Flagger Handbook found on UDOT's Web page (search under "Flagger Handbook").

ATSSA Traffic Control Technician (TCT)

• November 18, 2008 (SLC)
Cost: \$100.00 (state and local personnel); \$125.00 (out-of-state or private sector personnel)

Time: 8 am-4 pm (lunch on your own)

ATSSA Traffic Control Supervisor (TCS)*

• November 19-20, 2008 (SLC)
Cost: \$250.00 (state and local agency personnel); \$275.00 (out-of-state or private sector personnel)**
Time: 8 am-4 pm each day (lunch on your own)
*TCT course is required before taking this course; **TCS Certification is an additional cost (\$105 for ATSSA members; \$130 for non-members)

Heavy Equipment Safety (Classroom)**

• October 27, 2008 (Tooele)
• November 3, 2008 (St. George)
Cost: \$65/person (includes lunch)
Time: 8 am-5 pm

Technique of Heavy Equipment Operation (Hands-On)**

• October 28-29, 2008 (Tooele)
• October 30-31, 2008 (Tooele)
• November 4-5, 2008 (St. George)

• November 6-7, 2008 (St. George)
Cost: \$250/person (lunch on own)
Time: 7:30 am-5 pm each day

APWA Construction Inspector Training

• December 2008 (SLC)
• December 2008 (St. George)
Cost: \$200
Time: 8 am-4 pm (daily)

Winter Road Maintenance

• October 20, 2008 (Smithfield)
• October 21, 2008 (Woods Cross)
• October 22, 2008 (Ogden)
• October 23, 2008 (Vernal)
• October 24, 2008 (Richfield)
Cost: \$20
Time: 8-11 am

How to Register

Use on-line registration at our Web site [www.utahltap.org] OR...

1. Circle the workshop date you want to register for.
2. Complete the form (below).
3. Fax the entire page to the LTAP Center at (435) 797-1582.

**Questions?
Call 1-800-822-8878!**

Utah LTAP Center Fall 2008 Workshop Registration Form

Name: _____

Agency: _____

Address: _____

City/State/Zip: _____

Phone: _____ FAX: _____

E-mail: _____

Total Workshops Registered For: _____ Total Amount Due: _____

Method of Payment (Please check one)

Check enclosed (made payable to Utah LTAP Center)

Federal Tax ID #87-6000528

Agency PO (Number: _____)

Credit Card (Visa/MC/Discover) #: _____ Exp. date: _____



Partner Happenings

What You Should Know...



Utah League of Cities & Towns

If you desire more information on League activities, or to register for a League sponsored event, please call the Utah League of Cities & Towns directly at (801) 328-1601 or 1-800-852-8528 or go to their Web site [www.ulct.org].



UTAH ASSOCIATION OF COUNTIES
A Unifying Voice for County Government

Utah Association of Counties

For more information on UAC activities, or to register for a UAC sponsored event, please call them directly at (801) 265-1331 or go to their Web site [www.uacnet.org].

Annual Convention

- November 12-14, 2008 (St. George)
- Detailed information and registration will be available on-line.

Annual County Officials Day at the Legislature

- January 30, 2009 (Salt Lake City)



ITE, Utah Chapter

For information on ITE activities, please contact Tim Boschert by e-mail at [tboschert@utah.gov]. ITE, Utah Chapter monthly luncheons are generally held on the third Tuesday of each month starting at 12 noon at the Chinese Gourmet Restaurant in Murray (4500 South State Street).



APWA, Utah Chapter

For more information on APWA activities please visit their Web site [<http://utah.apwa.net>]. Chapter meetings will be held at The Gathering Place in West Jordan at Gardner Village (1100 W 7800 South) or Ruby River in Provo.

Monthly Luncheons

11:30 am lunch, 12 noon speaker

- November 15, 2008 (Ruby River)
- NO luncheon in December

Please note that the Southern Utah Branch meets the 1st Tuesday of each month at the Holiday Inn in St. George.

APWA/ASCE/UCEA Fall Conference

October 1-2, 2008

Utah Cultural Celebration Center



Utah Local Governments Insurance Trust

For information on training and other Trust activities, please call 1-800-748-4440. You can also check out the Trust Web site at [www.ulgt.org].

Community Planner Seminar

- October 2-3, 2008 (Logan)
- December 11-12, 2008 (Trust)

Subjects covered are The Planning Process and the General Plan, Liability of the Elected and Appointed Official, The Planning Commission, The Public Meeting and Assuring Due Process, Zoning and the Zoning Ordinance, Special Zoning Methods, The Board of Adjustment, Subdivisions, Development and Regulations, Property Owner Rights, Responsibilities and Liability of Planning and Zoning Officials. The fee is \$50.00 per person for Trust members, \$75.00 per person for non-Trust members.



"Serving Utah Municipalities"

Utah Risk Management Mutual Association

For more information or to register for URMMA training activities, please call Joanne Glantz at (801) 225-6692. You can also check out their Web site at [www.urmma.org].

2008 URMMA Risk Management Conference

- October 1-3, 2008 (Midway)

Risk Management 100/Supervisors Communication Skills

- November 11, 2008 1-4 pm (Orem)
- December 3, 2008 9 am-12 noon (Layton)

Gordon Graham/Risk Management for Public Safety

- February 11, 2009 (TBA)

URMMA members can call URMMA at (801) 225-6692 to schedule free, in-house supervisor training, harassment training, customer service training and defensive driver coaching.



Utah Safety Council

For more information or to register for Utah Safety Council training activities, please call (801) 478-7878 or 1-800-933-5943 or e-mail [safety@utahsafetycouncil.org]. You can also check out their Web site at [www.utahsafetycouncil.org]. All workshops are offered at their location (1574 W 1700 S, Lower Level, Salt Lake City) and some are even offered on-line. Online registration forms and scholarship applications are available at their Web site. On-site classes are available as well.

Utah LTAP Center

Page 10

October 2008

First Aid, CPR and AED for Business

- October 20, 2008
- November 14, 2008
- December 10, 2008

Cost: \$50 (member)/\$60 (non-member)

This course supplies participants with the most up-to-date First Aid, CPR and AED training.

Coaching the Van Driver Course

- October 7, 2008

Cost: \$35

Time: 9:00 am -12:00 pm

Commercial vans are very different than passenger cars - they are bigger, heavier, have larger blind spots and require longer following and stopping distances. Training drivers to compensate for these differences can help keep them on the road and on the job. Coaching the Van Driver is a comprehensive program that meets the needs of your organization. *This course does not include behind-the-wheel training.

Incident Investigation

- October 21

Time: 8:00 am-5:00 pm

Cost: \$210 (member)/\$299 (non-member)

The best way to prevent recurrence of an incident is to determine the root cause.

This course shows you how to gather

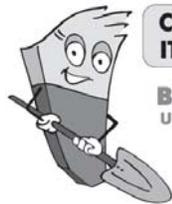
complete, accurate and objective data, and determine corrective action.

You'll learn how to:

- Use effective investigations and interviewing techniques
- Analyze accidents to identify root causes
- Deal with human relations issues affecting accident reporting

Topics include:

- On-site investigation
 - Investigation reports
 - Hazard control measure/follow-up
- Professional Development Scholarships are available to cover 50% of the cost for this course.



**CALL BEFORE YOU DIG.
IT'S FREE & IT'S THE LAW.**

BLUE STAKES OF UTAH
Utility Notification Center, Inc.

1-800-662-4111

www.bluestakes.org

Dig Safely  Know what's below.
Call before you dig.

Blue Stakes of Utah

For more information on the services and activities of Blue Stakes of Utah, please visit their Web site or contact their notification center.

Advisory Board

Glade Allred
Vernal City

Scott Anderson
Woods Cross City

Dave Beach
Utah Highway Safety Office

TBA
FHWA, Utah Division

Douglas E. Folsom
Utah Local Governments Trust

Brian Hall
Utah League of Cities & Towns

W. Gary Hansen
Blue Stakes of Utah

Paul James
Bridgerland Applied Technology College

Vern Loveless
Tooele County

Doug Perry
Utah Association of Counties

William Rahmeyer, P.E., Ph.D
Utah State University

Trace Robinson, P.E.
Riverton City

Dean Steele
Utah Risk Management Mutual Assoc.

A. Matthew Swapp, P.E.
Utah Department of Transportation

Abdul Wakil
Utah Department of Transportation

Kevin Womack, P.E., Ph.D
Utah State University

The Utah LTAP Center Advisory Board meets at least twice annually to make recommendations and evaluate the effectiveness of the program.

Utah LTAP Center

Page 11

October 2008



2008 UDOT Engineering Conference “DELIVERING TRANSPORTATION SOLUTIONS”

November 4-6, 2008

South Towne Expo Center, Sandy, Utah

Don't forget to register for the UDOT Engineering Conference! Registration, conference and hotel information is available on-line at <http://www.udot.utah.gov/>



Utah LTAP Center
 Utah State University
 4111 Old Main Hill
 Logan UT 84322-4111

Return Service Requested

NON-PROFIT ORGANIZATION
 U.S. POSTAGE PAID
 LOGAN, UTAH
 PERMIT#1

We're part of...



U.S. Department of Transportation
Federal Highway Administration



Utah State
 UNIVERSITY

and...



THANKS!



Utah LTAP Center
 Page 12
 October 2008

About the Utah LTAP Center

The Utah LTAP Center is an integral part of a nationwide Local Technical Assistance Program (LTAP) financed by the Federal Highway Administration, state departments of transportation and local transportation agencies. The Center bridges the gap between research and practice by translating the latest state-of-the-art technology in transportation into implementable products and information for the special use of local transportation agencies and personnel.

About *On the Move*

On the Move is published quarterly by the Utah LTAP/Transportation Technology Transfer Center at Utah State University. Subscriptions are free and are available by contacting the Utah LTAP Center. Articles may be submitted to the editor at the above address. To obtain permission to reprint any articles from *On the Move*, please call the Center.

Utah LTAP Center Staff

DirectorDoyt Y. Bolling
 Business ManagerPam Pyle
 Field Projects ManagerN. Dee Hadfield
 Network AdministratorBrant Whiting
 NewsletterJulie Duersch
 Phone/Fax (435) 797-2931/797-1582
 E-mail.....utahltap@usu.edu
 Web site.....www.utahltap.org

USU is an equal opportunity education institution/equal opportunity employer.