

## WV LTAP'S WORK ZONE SIGN PACKAGE PROGRAM RETURNS!



[wvltap.wvu.edu](http://wvltap.wvu.edu)



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The WV LTAP is excited to announce that we have obtained additional funding and are going to be able to award work zone sign packages once again!

The work zone sign package program was started in 1995, with the goal of helping West Virginia municipalities make their work zones safer for motorists, pedestrians, and roadway workers. The WV LTAP staff recognizes that budgets are constantly stretched, and often equipment that should be retired is continued to be used, for the simple fact, there isn't money to purchase replacements.

The work zone sign packages include eighteen portable work zone signs, six sign stands, four barricades, four drums, sixteen cones, two reflective Stop/Slow paddles, four ANSI Class III vests, two whistles, and a free work zone safety class taught by a WV LTAP instructor.

Applications will be judged on several criteria, including demonstrated need. Additional information and application packets will be mailed in August and will also be available on our website. Stay tuned for more information!



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Country Roads & City Streets is typically published quarterly. The purpose of this newsletter is to provide information that is beneficial to decision makers, elected officials, and roadway construction, maintenance, and management personnel.

The material and opinions included in this newsletter are those of the West Virginia LTAP and do not necessarily reflect the views of the Federal Highway Administration or the West Virginia Department of Transportation. Every effort has been made to ensure the integrity and accuracy of both original and borrowed material; however, the West Virginia LTAP does not assume responsibility for any information that is found to be incorrect.



The West Virginia LTAP is part of the National Local Technical Assistance Program, which is funded by the Federal Highway Administration. West Virginia LTAP also receives funding from the West Virginia Department of Transportation.

### MISSION:

The mission of the WV LTAP is to foster a safe, efficient, and environmentally sound surface transportation system by improving skills and increasing knowledge of the transportation workforce and decision makers.

To help achieve this mission, training, demonstrations, personalized technical assistance, and resource materials are provided.

## JOINT OH/PA/WV TRAFFIC INCIDENT MANAGEMENT (TIM) CONFERENCE – WEDNESDAY, OCTOBER 15, 2014



Save the date! Responders from all disciplines who are focused on the safe, quick clearance of traffic incidents and responder safety are invited to attend this first-of-its-

kind tri-state conference. The theme for this event is “The Case for TIM: Improving Incident Response, Communication & Safety.” Multiple agencies from Ohio, Pennsylvania, and West Virginia are working together to plan this conference.

This event is being held in Wintersville, OH at St. Florian Hall, a location easily accessible from all three participating states. There is no charge to attend the conference itself! Attendees will only be responsible for the cost of lunch (on their own) and any travel costs incurred.

### Conference topics will include:

- Regional and national best practices in TIM
- Improving coordination on large traffic incidents, particularly those that have multi-state impacts
- The latest information about TIM performance measures, alternate routing policies and techniques, and After Action Reviews
- What lies ahead that all responders and other personnel involved in incident response should know about TIM

All program details will be distributed later this summer, along with online registration information. For more information, please contact Victoria Beale of the Ohio LTAP, at 614-466-3129 or [victoria.beale@dot.state.oh.us](mailto:victoria.beale@dot.state.oh.us).

## WV LTAP STAFF UPDATE

Kim Carr, WV LTAP



Ashley Collins joined the WV LTAP Center in November 2010 as a West Virginia University freshman. Ashley began her college career as a speech pathology and audiology major, but after working in the public relations field at the WV LTAP Center, she quickly changed her major to public relations. This past May, Ashley graduated from the Perley Isaac Reed School of Journalism with a degree in public relations and a minor in communication studies with high honors. Ashley will continue to work with the Center for an additional two years as a graduate student pursuing a master’s degree in integrated marketing communications at WVU.

Ashley’s WV LTAP responsibilities will include reaching out to West Virginia communities to learn how LTAP can better serve you, writing stories for our quarterly newsletter regarding West Virginia municipalities and state agencies, creating and designing LTAP publications, maintaining the LTAP website and Facebook page, and other public relations related tasks. She is looking forward to working two more years with the WV LTAP Center and learning more about our public works agencies.

# WV LTAP's BUILD A BETTER MOUSETRAP WINNERS

The 2014 WV LTAP Build a Better Mousetrap competition was announced to help collect and disseminate real world examples of best practices, tips from the field, and assist in the transfer of technology. We are pleased to recognize the following three winners for the 2014 competition. Entries were judged by seven members of the WV LTAP's Advisory Board. We encourage you to reach out to the community contacts or contact us here at the WV LTAP if you would like to learn more about these innovative ideas.

## 1<sup>ST</sup> PLACE

### TRUCK TIRE CHANGER/ROLL TUBE BENDER, CITY OF BUCKHANNON



**Problem:** The City of Buckhannon needed to roll 1 ¼ inch pipes to form the arch supports for the community's farmers market located in Jawbone Park. The shop they had used in the past could not supply the rolled pipe to meet the City's deadline. So, a method for bending the pipe needed to be developed in-house.

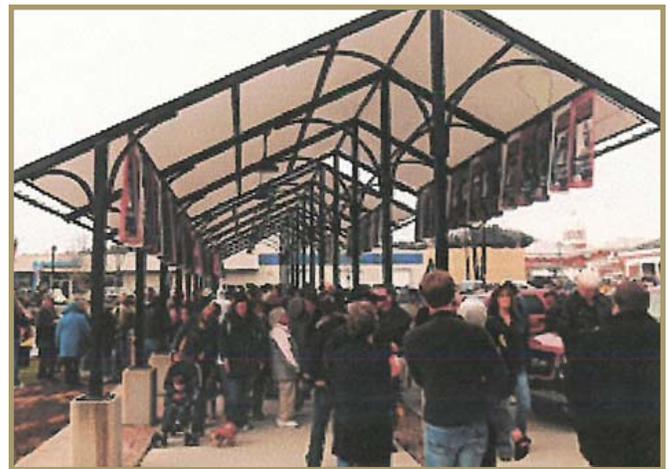
**Solution:** At first, staff tried bending the tubing with a pipe bender. However, it would kink and it was not bent consistently. One day, City of Buckhannon Street Commissioner Jerry Arnold was mounting truck tires and he thought, "This machine has all of the functions I need to form the tubing. It rotates and can create down force." Using the truck tire changer, city employees were able to successfully roll the pipe into the tubes needed for the arch supports.

**Equipment and Materials:** A truck tire changer machine, metal tubes, bolts, nuts, trailer spindles, two eight-inch trailer wheels and one twelve-inch trailer wheel.

**Labor:** Thirty minutes of labor in the welding shop was all that was required.

**Cost:** The total cost was around \$100.00.

**Savings/Benefits to the Community:** The immediate savings was around \$1200.00 and it allowed the City of Buckhannon to complete a grant project on time. The benefits to the community are having a state-of-the art farmers market, which has become a gathering place for the community, with events such as Festival Fridays.



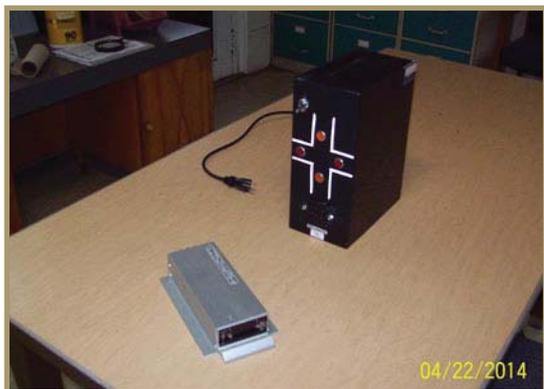
**Contact:** Jerry Arnold, Street Commissioner • 304-472-4443 • [jarnold.buckhannon@gmail.com](mailto:jarnold.buckhannon@gmail.com)

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*The entries for the WV LTAP Build a Better Mousetrap Competition describe equipment and practices developed by employees of road agencies for use within their agencies and community. The equipment and practices described in these three winning entries have not necessarily been tested and/or approved to meet engineering design or safety standards. Agencies considering adopting the practices described in these winning entries should first verify the practice is appropriate and safe for their agency's use. The WV LTAP is not responsible for damage to equipment or facilities, or for bodily injury as a result of reproducing and/or using the equipment or practices described herein.*

## 1<sup>ST</sup> RUNNER UP

### TRAFFIC CONTROL FLASH MODULE RELAY TESTER, CITY OF HUNTINGTON



**Problem:** The City of Huntington's Traffic Engineering Department did not have a method to determine if one side or both sides of their traffic control flash relay modules were burned out.

**Solution:** The Traffic Engineering Department staff discussed how they could better test the flash modules. They discussed what materials they had available in-house and materials they would need purchased. They also brainstormed different ways the flash module could be assembled. David Howard, traffic engineer - technician II, came up with the concept and final product design.

**Equipment and Materials:** The staff was able to incorporate used materials. These materials were a conflict monitor box, an outlet from a scrap box, and a power cord. New materials that were purchased included four lights and one on/off switch.

**Labor:** Two hours of labor was involved in assembling the flash module relay tester.

**Costs:** The purchased materials cost \$28.85.

**Savings/Benefits to the Community:** Developing this tester eliminates throwing away flash modules that are still good. The modules cost \$45.00 each to replace, so over time, this is an expense that mounts up.

**Contact:** Steve Riggs, Traffic Engineer • 304-751-0086 • sriggs@cityofhuntington.com

## 2<sup>ND</sup> RUNNER UP

### BRINE TRUCK CONVERTED FROM OLD VACUUM TRUCK, CITY OF MORGANTOWN

**Problem:** The City of Morgantown Public Works Department had an old vacuum truck with a broken suction motor and a badly rusted debris body. However, the frame and motor were still in good shape.



**Solution:** City of Morgantown Public Works employees removed the debris body from the truck frame. A flat bed was purchased from a junk yard and fitted to the frame. The employees built a new battery box and fit the truck with a new gas tank. An existing 500 gallon tank was installed, along with a spray bar that was built from plumbing fittings. This completed the conversion of the vacuum truck to a brine truck for winter maintenance.

**Equipment and Materials:** Old vacuum truck, junk flat bed, 500 gallon tank, electric pump, miscellaneous plumbing fittings

**Labor:** It took two weeks of labor to do this conversion.

**Cost:** Around \$2,000

**Savings/Benefits to the Community:** The savings were thousands of dollars and one of the main benefits is having an additional truck to use for winter maintenance.

**Contact:** Damien Davis, Interim City Engineer and Public Works Director • 304-284-7398 • ddavis@cityofmorgantown.org

# ROADS SCHOLAR I GRADUATES

Kim Carr, WV LTAP

Congratulations to the following graduates of the WV LTAP Roads Scholar I Program!  
Keep up the great work!



Mark Davis  
WVDOH-D1



Jeffrey Goins  
WVDOH-D1



Leon Kinney  
WVDOH-D6

*Congratulations also go to  
Bill Moore, WVDOH-D1.*



Robert Moore  
WVDOH-D1

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**Bill Wyant**  
Senior Volunteer

# WV LTAP ADVISORY BOARD MEMBER OPENING



The WV LTAP is seeking a representative from a West Virginia community to fill an open municipality slot on our Advisory Board. We are looking to fill this slot with a WV municipal representative from a city, town, or village with a population of 10,000 or less. (Class III or Class IV)

The WV LTAP Advisory Board is an important component of the WV LTAP's operations. The WV LTAP Advisory Board is not a governing board, but members provide advice, guidance, and expertise on LTAP related functions.

WV LTAP Advisory Board members represent local, state, federal, and private agencies that are served by the WV LTAP. WV LTAP Board members serve as a link to various stakeholders and are crucial in helping the WV LTAP achieve its mission.

## BENEFITS OF ADVISORY BOARD MEMBERSHIP

There are many benefits to being a WV LTAP Advisory Board member, including:

- Opportunity to meet and interact with local, state, and federal public works leaders from across West Virginia
- Ability to make suggestions and provide direct feedback regarding the training, technical assistance, and services provided by the WV LTAP
- Platform for local challenges to be brought and discussed with an experienced and knowledgeable group

## EXPECTATIONS

WV LTAP Advisory Board members are asked to attend quarterly meetings that are held at various locations around the state. Meetings typically range from two hours to three and one half hours in length. A meal is provided as part of the meeting; however, members are responsible for their travel costs.

Members are asked to be open and honestly communicate their thoughts on issues brought to the Board. Members are also asked to be proactive in bringing concerns or areas of need to the attention of the WV LTAP staff. Members also assume the role of advocates for the WV LTAP and provide input on ways the needs of both the WV LTAP and the communities and agencies served by the program can be met. From time to time, Board members may be asked for their input by email between the quarterly meetings.

## TO APPLY

If you are interested in applying, and meet the criteria listed below, please use one of these three options.

1. Contact Kim Carr by phone at 304-293-9924.
2. Email [kim.carr@mail.wvu.edu](mailto:kim.carr@mail.wvu.edu).
3. Complete the online Advisory Board form located at [Bit.ly/WVLTAP](http://Bit.ly/WVLTAP).

## CRITERIA FOR THIS POSITION

- Must be from a municipality with a population of 10,000 or less. (Class III or Class IV)
- Must be able to commit to a two-year term
- Must be able to travel within the State to various meeting locations
- Must have an interest in, and knowledge of, public works topics

*One of the greatest challenges of public works operations within municipalities is to provide badly needed training to personnel. The needs are high, but funding opportunities are low, and at times, non-existent. LTAP is an excellent source of cost-effective training that has been tailored to meet the ongoing training needs of local and state agencies. It has been my pleasure to have been associated with the WV LTAP for over fifteen years as a municipal representative, and now as a private agency representative, to help develop and deliver this much needed training to both local and state agencies. As funding sources continue to shrink, the importance of LTAP and the services it offers continues to grow. I would highly recommend that, if given the opportunity, anyone asked to become an integral part of this organization do so without hesitation, as their return on investment will be ten-fold.*

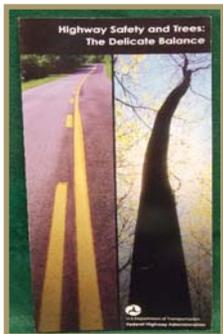
- Terry Hough - WV LTAP Advisory Board Member

# CHECK OUT WV LTAP'S RESOURCES

Ashley Collins, WV LTAP

The WV LTAP has several free resource materials that may benefit or help your agency or municipality. Need to learn or have a quick reminder on work zone safety? High-visibility safety apparel? Sign retroreflectivity requirements? Highway safety and trees? These are a few of the topics discussed in easy-to-use guide booklets, brochures, informational sheets, and posters. Below is a list of two resource material examples, and their descriptions, that the WV LTAP has to offer. For a complete list, visit [wvltap.wvu.edu](http://wvltap.wvu.edu).

## FREE PRINTED MATERIALS



### HIGHWAY SAFETY AND TREES:

While valued as a community asset due to their beauty and environmental benefits, trees are the single most commonly struck objects in serious roadside crashes. This booklet highlights prevention techniques and how to reduce the chance of existing trees being struck.

### WORK ZONE PROTECTION TOOLBOX:

This brochure highlights five positive protection countermeasures, including: portable concrete barriers, moveable concrete barriers, ballast filled barriers, shadow vehicles, and vehicle arresting systems. The toolbox describes how to use each countermeasure and provides guidance for their use.

## EQUIPMENT LOAN PROGRAM

The WV LTAP would like to remind readers of our **Equipment Loan Program**, which has different equipment available for loan, at no cost, to agencies in West Virginia that own or maintain roads, streets, and trails. A WV LTAP staff member brings the equipment to your site and instructs your agency's employees on correct usage. The agency takes responsibility for ensuring that the equipment is returned in the same condition in which it was given.



Traffic and trail counters and smart levels are just some of the equipment available for loan. For more information, visit our spring 2013 newsletter at [wvltap.wvu.edu/spring2013.pdf](http://wvltap.wvu.edu/spring2013.pdf). If you wish to reserve equipment, or would like to speak to a WV LTAP staff member to get more details, contact Kim Carr at [kim.carr@mail.wvu.edu](mailto:kim.carr@mail.wvu.edu), (304) 293-9924 or Andrew Morgan at [Andrew.morgan@mail.wvu.edu](mailto:Andrew.morgan@mail.wvu.edu), (304) 293-9939.

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Charleston, WV

**Kevin Burgess**  
Charleston, WV

**Ryan Brumfield**  
Charleston, WV

### WVDOT

**Steve Cole**  
Charleston, WV

**Marvin Murphy**  
Charleston, WV

**Ronald Tenney**  
Weston, WV

**Donald Williams**  
Morgantown, WV

**Vacant Position**  
West Virginia Governor's  
Highway Safety Program  
Charleston, WV

### Municipal

**Damien Davis**  
Interim City Engineer & Public  
Works Director  
Morgantown, WV

**Michael DeMary**  
Retired Stormwater Program  
Manager  
Fairmont, WV

**Chris Knox**  
City Engineer  
Charleston, WV

**Bill Lanham**  
Town Superintendent  
Fayetteville, WV

### Private

**Robert Amtower**  
Rummel, Klepper & Kahl  
Burlington, WV

**Dale Hill**  
Builders Supply Association of WV  
Charleston, WV

**Terry Hough**  
CTL Engineering  
Morgantown, WV

**Pat Parsons**  
Asphalt Pavement Association of  
WV Charleston, WV

## 2014 SNOW AND ICE CONTROL WORKSHOP SET FOR SEPTEMBER 24



Although we are in the midst of hot and humid summer days, the WV LTAP is already thinking ahead for the upcoming winter months. One way the WV LTAP helps local and state roadway agencies prepare for the upcoming winter months is by hosting the annual Snow and Ice Control Workshop.

This year's workshop will take place on Wednesday, September 24, 2014 in Summersville, WV at the Summersville Event and Conference Center.

This workshop is geared to state and local roadway agencies, and we encourage anyone that has a role in winter maintenance operations – snowplow driver, supervisor, mechanic, mayor, city council person, etc. – to attend. There will be something for everyone! The workshop will include a combination of general session and breakout session presentations, and demonstrations.

Additional event information will be provided on the WV LTAP website at [wvltap.wvu.edu](http://wvltap.wvu.edu), the WV LTAP Facebook page, and through direct mail and email as the workshop date approaches.

West Virginia Local Technical Assistance Program  
West Virginia University  
Benjamin M. Statler College of Engineering and Mineral Resources  
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PO Box 6103  
Morgantown, WV 26506-6103



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The WV LTAP encourages you to share this newsletter with others or direct them to the electronic version on our website <http://wvltap.wvu.edu>.

- Road Supervisors
- Elected Officials
- Public Works Department
- Road Crew
- Managers
- City Engineers
- Others