



**MARYLAND
TRANSPORTATION
TECHNOLOGY
TRANSFER CENTER**

Local Technical Assistance
Program (LTAP)
University of Maryland at
College Park

www.mdt2center.umd.edu

INSIDE:

Page 2

Governor O'Malley
Announces Nearly \$160
Million in Transportation
Investments for the
Eastern Shore

Page 3

Time to Study Up!
concluded

Page 4 - 6

Our Currently Scheduled
Courses
EDC-Exchange Webinar

Page 7

Governor O'Malley
Announces, concluded
State Highway
Administration Partners
with MD State Police in
Statewide Food Drive

technotes

Fall 2013 | Volume 30, No. 3

Time to Study Up!

Brush Up On The "Rules of the Road" As Students Head Back to School



Traffic Safety Partners Issue Assignment for All Drivers and Pedestrians: A Safe School Year; Efforts Include Engineering Enhancements in School Zones. Households across the State are making the transition from summer vacations to the back-to-school daily grind. As parents prepare children with school supplies, fall clothing, and study skills, they need to add one more thing to the back to school checklist: reviewing the rules of the road. On average more than 500 children are involved in motor vehicle crashes each year in Maryland. Tragedies occur when drivers and pedestrians don't know or follow the rules of the road. We can help save lives and make sure each child returns home safely by reviewing the "rules of the road."

Leaders from the Maryland State Highway Administration (SHA), AAA Mid-Atlantic, Baltimore Metropolitan Council (BMC), Baltimore County Police and Public Schools today gathered together with students at Randallstown Elementary School to help remind drivers and pedestrians of roadway basics. Whether a parent of a school-aged child or a daily commuter, each person has a role in back to school and pedestrian safety. The children and safety partners unveiled a new education campaign featuring a crab mascot who will share the "do's" and "don'ts" to keep everyone safe. The crab, a Maryland icon introduced as part of the successful Ocean City Walk Smart! Campaign, will serve as the symbol for SHA's and BMC's new "Back to School" themed pedestrian education effort that will combine grassroots and mass marketing efforts.

"We want Maryland children to be safe when traveling to and from school. There is simply no contest between a child and a vehicle," said The Honorable Adrienne Jones. "We all share the responsibility of getting children to school safely. Now is the time to take a refresher course in the rules of the road. There's no room for aggressive driving when sharing the road with school buses and children walking and biking to school. Be patient and conservative."

Through the three "E's" of safety – engineering, education and enforcement partners are working together to ensure that children stay safe this school year. SHA engineers evaluated school zones along State routes throughout the summer, making adjustments and adding traffic devices such as crosswalks, signing and flashing lights where needed.

"We cannot always be there to hold our children's hands, but

Continued on page 3

*Get back into the
classroom with us!*

*Sign up now for our
Designing Safer Roads for
Vulnerable Road Users
scheduled for November 5-6.
For more information see
page 6.*

Governor O'Malley Announces Nearly \$160 Million in Transportation Investments for the Eastern Shore

Investments will create nearly 1,900 jobs, improve safety, and relieve congestion

Governor Martin O'Malley today, joined by Senator Richard F. Colburn, Delegate Norman H. Conway, and other key elected officials, announced nearly \$160 million in new investments for five projects on the Eastern Shore that will create nearly 1,900 jobs, improve safety, and relieve congestion. These projects—made possible by the Transportation Act of 2013—include investing \$50 million to begin construction next year on a new high-level, fixed-span bridge to replace the Dover Bridge.

“Maryland is delivering for the Eastern Shore. By investing in these projects, we improve safety, relieve congestion, and make Maryland an even more attractive place for companies to invest,” said Governor O'Malley. “Together, with the support of our local partners, we made the better choices to invest in the future of Maryland's transportation network, allowing us to create more than 57,200 jobs for our hardworking families and rebuild our State's infrastructure.”

With the Transportation Infrastructure Investment Act of 2013, which allows Maryland to activate long-term strategies to invest in Maryland's transportation systems, the State is putting people back to work in the transportation industry with \$4.4 billion in new investments in the next six years. Maryland will create hundreds of millions of dollars in economic activity and provide Marylanders with the transportation infrastructure necessary to grow and prosper for decades to come.

Today's announcement provides nearly \$160 million in key projects for the Eastern Shore, including:

- \$52 million to construct a new interchange at US 301/ MD 304;
- \$50 million to build a MD 331 Dover Bridge replacement;
- \$42 million in construction funds to widen and dualize MD 404 from west of MD 309 to Cemetery Road (Phase 1B);
- \$11 million for right-of-way acquisition funds to widen and dualize US 113 from Massey Branch to Five Mile Branch Road (Phase 3) No Construction funding available; and
- \$3.7 million to start construction of a new roundabout at MD 822 (University of Maryland Eastern Shore Boulevard) and MD 675 (Somerset Avenue) near the University of Maryland Eastern Shore in Princess Anne.



“This funding is about jobs on the Eastern Shore,” U.S. Senator Barbara Mikulski said. “A reliable and well maintained infrastructure is vital to creating jobs today in construction and jobs tomorrow through economic growth. This is smart funding in Maryland's highways and byways, ports and bridges, that is laying the groundwork for our future.”

“Robust investments in transportation infrastructure are investments in job creation and economic development across the region,” said U.S. Senator Ben Cardin, a member of the Senate Environment and Public Works Transportation Infrastructure Subcommittee. “The federal government has been such a strong partner throughout Maryland to modernize and improve the safety our transportation choices. Efforts to improve highway safety on these rural roads are incredibly important to the livability of our rural Eastern Shore communities.”

“By moving forward with critical transportation projects on the Eastern Shore like replacing the severely outdated Dover Bridge, we're making an investment that will support Maryland's growing economy, create thousands of jobs and expand opportunities in our communities,” said Lt. Governor Anthony G. Brown. “Maryland's future depends on our ability to work together to create a modern infrastructure and transportation network that can serve as

Continued on page 7

we can protect them by arming them with the information they need to navigate roads safely,” said SHA Administrator Melinda B. Peters. “Everyone needs to help spread the word that safety starts by walking smart and staying alert as well as sticking to the basics such as using crosswalks and looking left, right and left again.”

“At some point in the day everybody is a pedestrian, whether it’s walking to school or from the car to the office,” said Larry Klimovitz, executive director of the Baltimore Metropolitan Council. “There needs to be an expectation of safety when we travel. Not just on highways, but the second we step outside, whether it’s our front door or our car door.”

Pedestrians and drivers must both do their part to prevent crashes. The Baltimore Metropolitan Council is the organization of the region’s elected officials who are committed to identifying regional interests and developing collaborative strategies, plans and programs with the goal of improving the quality of life and economic vitality throughout the region.

Motorists should be aware that enforcement is another key component of education efforts, and local police departments will be in full force in designated school zones where speed limits may be reduced.

“We are committed to making our roadways safe for both pedestrians and motorists. It is our goal to achieve this through education campaigns like Street Smart, through enforcement efforts, and by working with traffic engineers to improve overall roadway designs. Together we’re making roads safer, which is critical everyday but especially as traffic patterns change with the start of the school year,” said Chief James W. Johnson, Baltimore County Police Department.

“As students across Maryland begin to head back to school, we are urging motorists to be alert and exercise caution in and around residential areas and school zones particularly before and after school hours,” said Ragina C. Averella, Manager of Public and Government Affairs at AAA Mid-Atlantic. “As children gather at neighborhood bus stops, walk or bike to and from school, it’s imperative that motorists slow down and observe the lower speed limits while driving through these areas.”

What To Do When Approaching A School Bus

- When a school bus stops, the flashing red lights go on and the stop sign flaps come out, drivers in BOTH directions need to stop. This is the most dangerous time as children getting on or off a bus can dart anywhere.
- Drivers must be patient. There is simply no room for aggressive driving around a school bus.
- It is against the law to pass a stopped school bus with its flashing red lights activated and stop arm extended.

Drivers Need To Remember

- Realize that your commute takes longer when school is in session – allow more time.
- Don’t put yourself in a position where you have to rush. When drivers rush, we are more likely to make bad decisions.
- Understand that traffic fines can be doubled in school zones – worst case scenario a ticket could cost you nearly \$1,000.
- Stay alert. Avoid distractions – especially mobile devices.
- Watch for children walking in the street, especially if there are no sidewalks in the neighborhood.
- And remember, Maryland law requires motorists to stop for pedestrians in all crosswalks.

What Parents And Kids Need To Know

- Children and their parents need to review the rules of the road too – everyday.
- If traveling by school bus: have a safe place to wait for the bus, AWAY from traffic and the street, and stay away from the bus until it comes to a complete stop and the driver signals you to enter.
- When walking: only cross the street at a marked crosswalk, preferably one that has a crossing guard. Before crossing a street, look left, then right, then left again. Stay alert. Follow signals.
- When riding a bike, don’t ever ride your bike across an intersection. Get off and walk it across after looking both ways for oncoming traffic or waiting for a crossing signal.

“We’re focused on making sure our children arrive at school safely whether they are walking, traveling by school bus or by car. Because smaller children have not yet developed the cognitive ability to judge distance and speed, we’re asking that drivers be alert and extra vigilant in their morning and afternoon commutes,” said Executive Director Dale R. Rauenzahn, School Safety and Security Baltimore County Public Schools.

*This article was reprinted from the Maryland State Highway Administration,
for more information visit, www.marylandroads.com*

The following courses are currently scheduled and we are still adding to the list! For more information or to schedule a class, contact Janette Prince at 301.405.6535 or register online by visiting us at www.mdt2center.umd.edu.

EDC WEBINAR

FHWA, MD LTAP, and MD DOT

September 24, 2013, 2:00pm - 4:30pm

College Park, Maryland

Free

This live webinar will discuss the Locally Administered Federal-Aid Projects Initiative. Join us here in College Park to participate in this free webinar. For more information, visit our Webinar page (links to our website) or scroll down to page 6.

CONSTRUCTION INSPECTION FOR LOCAL AGENCY EMPLOYEES

John Hopkins

October 8, 2013, 8:30am - 3:00pm

College Park, Maryland.

\$110 for all registrants

PDHs: 6.0

This one day session will cover some of the major duties and responsibilities of an individual responsible for the quality of a project. It will address the importance of understanding the plans, the contract, the order of operations, the materials to be used and the various quality control tests used in project inspection. This course is presented in a straight forward manner and deals with the reality of everyday factors involving contractors and agencies. Qualified field inspection personnel with one to three years of field experience are encouraged to attend; participants must possess basic math skills in geometry and algebra.

BRIDGE MAINTENANCE INSPECTION

John Hopkins

October 9, 2013, 8:30am - 3:00pm

College Park, Maryland.

\$110 for all registrants

PDHs: 6.0

This one day course will cover inspection of bridge maintenance. A brief summary of the topics to be covered are as follows: approach, deck maintenance, deck joints, deck drains, bearing maintenance, concrete beams, steel beams, timber beams, bridge seats and caps, piles and bents, truss maintenance, painting, and winter maintenance. The class is for the actual field maintenance worker who has to do the repairs. It is mostly concerned with what to look for from a maintenance standpoint not a structural rating perspective.

ASPHALT RECYCLING

Ed Stellfox

October 10, 2013, 8:30am - 12:30pm

College Park, Maryland

\$59 for all participants

PDHs: 4.0

This course discusses the advantages of asphalt recycling as part of your road maintenance program. It covers techniques for recycling asphalt pavement, including surface recycling, hot mix recycling (both in plant and on-site), and cold mix recycling. The course emphasizes cold mix recycling, full depth reclamation, reviewing materials, equipment and operations. It also presents recent examples of asphalt recycling projects in several states. The following topics will be discussed: advantages; review of techniques -materials, equipment, and operations for surface recycling, hot-mix recycling, cold-mix recycling, and full depth reclamation.

CONSTRUCTION INSPECTION - INTERMEDIATE LEVEL

John Hopkins

October 10-11, 2013, 8:30am - 3:00pm

College Park, Maryland

\$215 for Maryland local government

\$245 for all registrants

PDHs: 12.0

An intermediate class focuses on the construction, inspection, measurement and testing of materials associated with road way construction. Includes real-life scenarios and problems faced on the job, and covers general practices and MD standards. Qualified field inspection personnel with one to three years of field experience are encouraged to attend; participants must possess basic math skills in geometry and algebra. A test will be administered to acquire class credit.

LOW COST SAFETY IMPROVEMENTS

Mark Hood, P.E.

October 17, 2013, 8:30am - 3:00pm

College Park, Maryland

\$100 for Maryland local government participants

\$125 for all other registrants

PDHs: 6.0

This course provides participants with methods for implementing effective, low cost safety improvements targeted at high crash areas. It emphasizes the basic and enhanced application of traffic control devices, low cost safety improvements, and their specific safety benefit (crash reduction factors). Traffic crash data collection, identification of hazardous locations, and engineering study procedures are also discussed. Emphasis is placed on low cost solutions that may be made at the local level.

Continued on page 5

HIGHWAY CAPACITY UNINTERRUPTED FLOW

Dane Ismart

October 21, 2013, 8:15am - 4:00pm

College Park, Maryland

\$105 for Maryland local government participants

\$120 for all other registrants

PDHs: 6.0

CEUs: 0.6

This one-day course will cover the theory and methodology of the 2010 Highway Capacity Manual for interrupted flow. The Chapters that will be covered include: signalized intersections, unsignalized intersections (A) two-way stops (B) four way stops, and urban arterial. Changes in each of the interrupted chapters of the 2010 Highway Capacity Manual will be highlighted during the lectures. The Highway Capacity Software will be demonstrated to the class using sample problems. The new roundabout capacity procedure is covered under a separate course.

WINTER MAINTENANCE

Ed Stellfox

October 22, 2013, 8:30am - 3:00pm

College Park, Maryland

\$89 for all participants

PDHs: 6.0

This course covers all aspects of winter operations- planning and organizing, methods of snow and ice control, salt usage, and winter equipment maintenance. This lesson will include usage of snow maps, formal snow plans, snow plow and salt spreader operation. This course is intended for municipal officials, road commissioners, supervisors, superintendents, public works and maintenance personnel, equipment operators, and city or town managers.

PREVENTIVE PAVEMENT MAINTENANCE

Ed Stellfox

October 24, 2013, 8:30am - 3:00pm

College Park, Maryland

\$89 for all participants

PDHs: 6.0

This course is the first step in making your asphalt pavements last longer at lower costs. The course covers preventive maintenance treatments such as chip seals, slurry seals, and micro-surfacing and discusses when and where each technique could be effective. It presents application methods, including preparation, materials, equipment, operations and safety, along with practical tips on how to avoid trouble. This course is open to municipal officials, road commissioners, supervisors, and superintendents; public works and maintenance personnel; equipment operators; and city or town managers.

DESIGNING SAFER ROADS FOR VULNERABLE ROAD USERS

Juan M. Morales

November 5-6, 2013, 8:30am - 3:30pm

College Park, Maryland

\$220 for Maryland local government

\$250 for all other registrants

PDHs: 6.0

Vulnerable road users (VRU) are susceptible to traffic injuries and fatalities, perhaps more so than drivers. Yet we design highways for the mobility of cars sometimes neglecting the needs of the most vulnerable, such as pedestrians, bicyclists, motorcyclists, transit users and others. This course will teach participants how to diagnose pedestrian (and other VRU) safety deficiencies and select the appropriate countermeasures to make conditions safer for all users including an overview of the American with Disabilities Act (ADA) accessibility requirements. Engineering countermeasures will be emphasized but education and enforcement countermeasures will also be covered. Upon Completion of the Course, Participants Should be Able to: Define vulnerable road users, Describe VRU needs, Diagnose crash causes and select proper countermeasures, Identify safety-related geometric design elements, and Discuss VRU safety issues and how to address them.



Continued on page 6

ROAD SAFETY 365: A WORKSHOP FOR LOCAL GOVERNMENTS

Juan M. Morales

November 19, 2013, 8:30am - 3:30pm

College Park, Maryland

\$100 for all registrants

PDHs: 6.0

This course is designed to provide local and rural agencies with practical and effective ways to mainstream safety solutions into their day-to-day activities and project development process. This one-day workshop focuses on processes for incorporating safety into all aspects of local and rural projects, and on making safety a priority through inclusion in the traditional decision-making process - 365 days a year. The course stresses the importance of road safety, and illustrates how it can be integrated into rural/local transportation project development at all stages: planning, design, construction, implementation, operations, and maintenance. Through practical exercises and facilitator-led discussions, the emphasis is on operations and maintenance to reflect the predominant, day-to-day responsibilities of rural/local transportation agencies. The benefits and potential cost savings of safety initiatives are shown using examples from rural/local agencies. The workshop audience ranges from decision-makers to road crews. It is aimed primarily at local and rural road and public works supervisors. Others who would benefit include: elected officials, public safety advocates, State DOT personnel, law enforcement, consultants, regional and rural development organizations, municipal associations.

BLUEPRINT READING FOR HIGHWAY WORKERS

Glynn Stoffel

December 10, 2013, 8:00am - 4:00pm

College Park, Maryland

\$110 for Maryland local government

\$125 for all other registrants

PDHs: 6.0

Today's highway workers use a variety of blueprints and drawings to guide them in accurately performing the construction and maintenance of roadways and related components. Upon successful completion of this course the student will be able to read and interpret many of these blueprints as well as demonstrate the ability to produce accurate and legible field sketches. At the conclusion of the course, the student will be able to:

- Recognize and define the various lines and symbols used in plan construction.
- Describe and discuss the characteristics of plans, plats, profiles, views, details and other drawings found in a set of working plans.
- Demonstrate the ability to use engineer's and architect's scales.
- Demonstrate the ability to read and interpret the different blueprints and plans used in highway construction and maintenance.
- Describe how to effectively use plans in the field.
- Draw legible field sketches and as-built drawings.
- Obtain a score of at least 70% on the review test.

Locally Administered Federal-Aid Projects: What's in it for You?

EDC-Exchange Webinar

Are your federally funded local projects challenging to complete on time and within budget? Are the Federal-aid Program requirements daunting? If the answer to these questions is "yes," then this Every Day Counts (EDC) initiative may be right for you!

To address these concerns, the second round of EDC introduced a three-pronged strategy to aid local public agencies (LPAs) through the complexities of delivering and administering Federal-aid projects. The strategy focuses on:

- Stakeholder Partnering
- Certification Programs
- Consultant Services Flexibilities

The session will highlight examples that demonstrate the successful use of these LPA initiatives.

****To participate in this webinar you will need to join us in College Park!****

Register Now to attend!



the foundation for continued growth, while protecting our environment and natural resources. Today we take another step toward reaching that goal.”

Governor O'Malley Announces
(concluded from page 2)

“I’m very happy to see such strong transportation investments by the O’Malley-Brown administration on the Eastern Shore, in general, and in Worcester County, in particular,” said Delegate Norman H. Conway. “Working to make Route 113 safe for our families has been a priority of mine and many others for a very long time. I’m glad to also see that it’s such a high priority for the Governor, and I applaud the investment to make the Lower Shore safer for our residents.”

Over the summer months, the State has continued to review statewide transportation project needs and make investment decisions. The Maryland Department of Transportation’s draft six-year transportation budget will be published on September 3rd. This budget, known as the Consolidated Transportation Program, will provide a full list of the new projects funded by the Transportation Act. This budget will be posted on MDOT’s website at www.mdot.maryland.gov.

*This article was reprinted from the Maryland State Highway Administration,
for more information visit, www.marylandroads.com*

**SHA to Collect Food Donations at 37 locations
throughout Maryland; September Food Drive to Benefit
Families Served by Maryland Food Bank**

**State Highway Administration Partners with MD
State Police in Statewide Food Drive**

The State Highway Administration (SHA) is partnering with the Maryland State Police (MSP) during September to collect food donations statewide that will be provided to the Maryland Food Bank during “Hunger Action Month.” Food donations (canned goods) will be collected at 37 SHA locations throughout the state starting on Tuesday, September 3, the official SHA kick-off for the food drive. Donations from the public of non-perishable foods will be collected through Monday, September 30th. Food donations can be dropped off between 7:30a.m. and 3:30p.m. Monday through Friday, at any of 28 SHA Maintenance Shops; seven District Offices or SHA Headquarters in Baltimore, or the Statewide Operations Center in Hanover.

For a list of all 37 SHA locations where food donations can be made visit: www.roads.maryland.gov. Bright orange banners emblazoned with “Hunger Action Month” will be visible at each food collection site. The Maryland Food bank designated September 5th as “go Orange Day” to highlight the SHA locations with orange food collections barrels.

“SHA is pleased to partner with the Maryland State Police and the Food Bank and we urge all citizens to join our harvest of hope to help end hunger in Maryland,” SHA Administrator said Melinda B. Peters. “Between SHA and MSP locations, there are plenty of places to drop off non-perishable food donations to support people in need in your community.”

Food drive donations are also being accepted at any time throughout September at all 23 Maryland State Police Barracks statewide. With the support of the public, the goal of the statewide food drive is to fill 60 barrels with donations of food.

At the conclusion of the month-long effort, SHA personnel and vehicles will deliver all the donated food to Maryland Food Bank warehouses throughout the state.

According to the United States Department of Agriculture (USDA), more than 720,000 Marylanders are uncertain where their next meal is coming from. Of that number, 460,000 live in the Maryland Food Bank’s service area and these individuals miss about 79 million meals each year because they do not have consistent access to sufficient food for their families.

Drop off Locations (links to MD SHA news release)

For more information about the **Maryland Food Bank** (links to their website)

*This article was reprinted from the Maryland State Highway Administration,
for more information visit, www.marylandroads.com*



MD T² Center Staff

Please note our phone numbers have recently changed.

Tom Jacobs, Director

301.405.7328

tjacobs@umd.edu

Ed Stellfox, Co-Director

301.405.6369

stellfox@umd.edu

Janette Prince

Program Manager

301.405.6535

janette@umd.edu

Marc Trainum

Administrative Assistant

301.405.5312

mtrainum@umd.edu

Carly Keane

Newsletter Editor

240.304.9627

ckeane@umd.edu

Need training but budget cuts won't allow travel? Request a class and we'll bring it to you!

We understand your training needs and the tremendous budget cuts everyone is dealing with in this economy. By logging on to www.mdt2center.umd.edu and requesting a course that 10 or more of your employees need, we'll bring our course to you. We'll need a room where your employees can learn and either a white board or bare wall for our projector and a pot of coffee for our instructor.

Requesting a course is simple, visit www.mdt2center.umd.edu and fill out our request training form or call Janette Prince at 301.405.6535 and she'll be glad to assist you.

MD T² Advisory Board Committee

Ed Adams	Baltimore County Department of Public Works
Greg Africa	Anne Arundel County, Department of Public Works
Brenda Alexander	College Park Department of Public Works
Dean Dashiell	Ocean City Department of Public Works
Allison Hardt	Maryland State Highway Administration
Paul Kahl	Allegany County, Department of Public Works
Patrick Kennedy	Federal Highway Administration
Stephen Kline	Town of Bel Air, Department of Public Works
Alex Moyseenko	City of Hagerstown, Department of Public Works
Melinda Peters	Maryland State Highway Administrator
Dan Sanayi	Montgomery County, Traffic Engineering & Operations Section
Christopher Schlehr	Town of Bel Air, Department of Public Works
Jean Sperling	Village of Martins Additions, Chevy Chase
Eric Tabacek	Maryland State Highway Administration, Office of Traffic & Safety
Cedric Ward	Maryland State Highway Administration, Office of Traffic & Safety
Dr. Richard Y. Woo	Maryland State Highway Administration

