

Florida Technology Transfer Quarterly

A Traffic Engineering and Safety Workforce Training Update



Florida Transportation Technology Transfer Center





Florida Transportation Technology Transfer Center

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Mark Your Calendars

May 9

First Annual Bike to School Day

National Center for Safe Routes to School
walkbiketoschool.org

May 14–18

Bike to Work Week

League of American Bicyclists
bikeleague.org/programs/bikemonth

May 20–26

National Public Works Week

APWA
apwa.net/about/npww

June 14–16

Lifesavers 30th National Conference

lifesaversconference.org

NOTE: Florida's Pedestrian & Bicycling Safety Resource Center and the Florida Occupant Protection Resource Center will be at booths 802 and 804.

June 18

Ride to Work Day

Ride to Work, Inc.
ridetowork.org

Florida Technology Transfer Quarterly

Established 1984

Main Phone Number	352.392.2371
Workshop Registration	EXT. 31670
Workshop Development	EXT. 31685
Traffic Safety Courses	EXT. 31685
Pilot/Escort Program	EXT. 31670
CTQP Courses	EXT. 31669
Customer Service	EXT. 31674
Media Center	EXT. 31695
HfL Demonstration Showcases	EXT. 31697
Safety Resource Center	EXT. 31680
Occupant Protection Resource Center	EXT. 31681
Mailing List	EXT. 31687
Fax	352.392.3224
Email	t2@ce.ufl.edu
Web	t2ctt.ce.ufl.edu

Circulation: 12,679

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Florida Technology Transfer Quarterly, published by the Florida Transportation Technology Transfer (T2) Center as part of the Transportation Research Center (TRC) in the Engineering School of Sustainable Infrastructure and Environment (ESSIE) at the University of Florida, facilitates information exchange relating to roads, bridges, general surface transportation, and safety.

The T2 Center provides training, technical assistance, and technology transfer services through the following partnerships and programs:

- Federal Highway Administration (FHWA)
- Florida Department of Transportation (FDOT)
- Local Technical Assistance Program (LTAP)
- Center for Transportation Training (CTT)
- Highways for LIFE (HfL) Demonstration Showcases
- Pedestrian and Bicycling Safety Resource Center (SRC)
- Florida Occupant Protection Resource Center (OPRC)

Interested parties may receive the electronic publication and annual printed portfolio by sending name, agency, mailing address, phone, and email to t2@ce.ufl.edu. Newsletter content and accuracy is the exclusive responsibility of the Florida T2 Center.



Ball Bank Indicator Available for Loan

Simple, easy-to-use instrument helps transportation personnel increase road curve safety



The ball bank indicator is a simple and easy-to-use device used to measure the speed at which a driver can comfortably navigate a curve. It can be easily mounted on the dashboard by means of rubber suction cups or other stable methods (pictured below). The instrument reading can help transportation personnel decide whether to use a turn sign or a curve sign for that portion of the roadway. A ball bank indicator is available for loan (without mounts) from the Florida T2 Center. Contact David Page by phone (352.273.1685) or email (dkpage@ufl.edu) to arrange borrowing this helpful tool.

Setup for Use of Ball Bank Indicator

Poor setup or improper test run procedures will yield erroneous results, so care must be taken to follow the procedures outlined in this article.

To begin, acquire a test vehicle with uniform tire pressure and a calibrated speedometer. Next, designate a driver and a recorder. Finally, mount the ball bank indicator and set it at zero with the vehicle on level ground.

Test Run Procedure

The driver should reach the predetermined speed (stated in the paragraph below) well in advance of the curve being checked and enter the curve at that same speed. Keep the vehicle parallel with the centerline of that travel lane and maintain uniform speed throughout the curve. On each run (see steps below for run details), the recorder must carefully observe the position of the

ball throughout the curve and note the maximum reading to the nearest degree. Runs should be made at 5 mph increments and in both directions.

Step 1 — Initial Run: Initial run should be made at a speed 10 or 15 mph lower than the posted speed limit (or the usual operating speed if speed limits are not posted).

Step 2 — Next Runs: If the initial reading exceeds the limit for run speed, lower speeds should be tested (in 5 mph steps) until the allowable reading for a speed is NOT exceeded. That speed should then be the chosen as the advisory limit.

Step 3 — Higher-speed Runs: If the limit for the initial speed is not exceeded, runs at successively higher speeds (in 5 mph steps) must be conducted until the reading just exceeds the allowable limit. The next lowest speed should then be chosen as the advisory speed.

For more information on the ball bank indicator and its use, please visit: www.dot.state.fl.us/trafficoperations/Operations/Studies/MUTS/Chapter11.pdf. 🍊

Article adapted with permission from Texas LTAP Newsletter, 2011 — Issue 3.

Below: Photo of a custom-built, portable, non-skid mounting built by Tim Storey, TEEX Senior Training Support Technician. For more information about this portable mounting technique, contact TEEX's Transportation Training Program at 979.862.3735.



Making Roadways Safer for Motorcycles — Part 2

Bumps, holes, cracks, and gravel pose potential hazards for motorcycle riders



This article reviews the second segment in a series of eight recently-developed training segments funded by the Florida Department of Transportation (FDOT) Safety Office. The series is designed to raise the awareness of public works and transportation employees who are responsible for the planning, designing, construction, and maintenance of our roads. The visuals-based curriculum has a simple message: motorcycles are different from vehicles, and riders react differently to roadway conditions than drivers do.

Segment 2 — Bumps, Holes, Cracks, and Gravel

As discussed in the review of Segment 1 in the November 2010 T2 Center Training Portfolio, motorcycles have a much smaller contact area on the road, and any abnormality on the surface will be magnified on the motorcycle. A buckle in the pavement with a transverse bump across the roadway may cause the rider to lose control of the motorcycle if the bump is not seen and anticipated. Bumps or, more often, dips from poorly reconstructed utility patches can also pose a challenge to riders.

Loose materials, sand, and debris in a turn lane can cause the motorcycle tires to lose grip, slide, and potentially ground the bike and rider. Rural or two-lane roadways can be poorly maintained and present the rider with myriad obstacles and hazards — a crash waiting to happen. Over time, improperly maintained roads may result in drop-offs that can create handling issues for riders.

Suggestions to improve conditions include ensuring proper base preparation of existing roadway, including patching, milling to appropriate depths, and removal and replacement of unsuitable materials.

Other suggestions include:

- Monitoring proper thickness of overlays to carry the intended loads
- Keeping roadways clean of debris, sand, etc. by sweeping as needed
- Cleaning up after milling operations
- Monitoring any roadway projects after rain events for debris on the roadway and removing as needed
- Monitoring all utility cuts for proper compaction and making sure they are flush with surrounding pavements
- Repairing potholes, depressions, cracks, and broken slabs in a timely manner

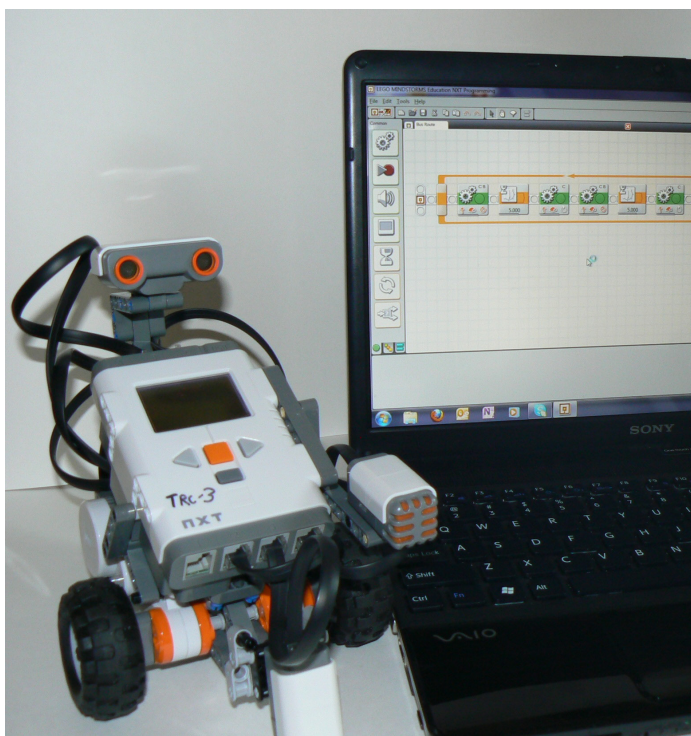
Remember that any irregularity in the road surface can have a significant effect on the motorcyclist's control of his/her vehicle. For example, a pothole that represents a minor discomfort to a car driver can completely disrupt the balance of forces that allow a rider to maintain control of a motorcycle, leading to a potentially devastating crash. If you can feel a significant bump or dip while riding in your truck, imagine how that patch of road would affect a motorcyclist! Following these suggestions and others found in the curriculum can help ensure your roads are in the best shape for all your road users, no matter how many wheels their vehicles have.

Visit t2ctt.ce.ufl.edu/t2ctt/Motorcycle_Safety_Materials.asp to view the curriculum. 🍊



LEGO® Robot Vehicle Lesson Plans for Secondary Education

New curriculum to be used as a tool for recruiting future transportation engineers



As urban and rural areas continue to see traffic growth, the need for more transportation engineers is also increasing. The profession is losing over half of its state agency transportation engineers and many more local agency professionals as Baby Boomers retire.

Robotics is a great way to get kids excited about science, technology, engineering, and math (STEM) topics. It is also highly effective in stimulating development of teamwork and self-confidence. With funding from the University of Florida Transportation Research Center, the Florida T2 Center developed transportation-related lesson plans for middle-school-aged students utilizing LEGO® Mindstorms NXT robots to foster interest in the transportation engineering profession as a career choice.


The lesson plan objective is to show how an intelligent vehicle can help mitigate congestion through the use of sensors and computer programming. Students program the intelligent vehicle to conduct activities to solve congestion issues on roadways. Vehicle programming exercises include movement of the intelligent vehicle, following a route, emergency vehicle detection,

pedestrian detection, travel distance calculations, and travel time calculations.

During these lessons, students learn fundamentals of transportation engineering and how the use of advanced technology is integral to solving current and future transportation problems. They also learn how transportation affects the quality of life in our society. The aim is to get students excited about the field of transportation engineering and interested in pursuing this field as a possible career.

The lesson plans are intended for after-school math and science clubs, Boys and Girls Clubs, Boy Scouts, Girl Scouts, summer camps, career days, science fairs, etc. Each lesson is 1.5 hours long with five lessons in the course.

Visit cms.ce.ufl.edu/workforce_development for more information and to access teacher and student curriculum guides.

For more information, contact:
Leslie Washburn, PE
K-12 Workforce Development Coordinator
leslie@ce.ufl.edu 



The Latest from the Occupant Protection Resource Center

The Florida OPRC is Open for Business! Visit the website: www.floridaoprc.ce.ufl.edu

Literature and promotional items are available free of charge to qualifying Florida non-profit organizations/agencies and interested residents. Visit the website to order tip sheets, stickers, tattoos, activity books, DVDs, bookmarks, and posters.

Certified CPS Technicians and Instructors can order supplies and information specific to performing their responsibilities by creating login information to access available items.

Child safety seats may be ordered for events by CPS Instructors with a current, valid certification. Simply request a login to the CPS Instructor Only area, and then follow the steps to become an Approved Safety Seat Recipient. Non-instructors may order through a CPS Instructor. Use the "Find a CPS Instructor" link on the OPRC website to locate your nearest CPS Instructor and find out where their next event is, or view "Upcoming Events" for one near you.

This year will focus on child passenger safety seats and supplies. Future focus for this site will include all aspects of occupant protection, such as air bags, seat belts, associated laws, as well as information and effort to support enforcement activities and incentive strategies, with the main goal of achieving significant/lasting increases in occupant protection safety in Florida.

Please visit the "FAQ" link before contacting the OPRC team with questions. Suggestions for improvements, additions to the site, critiques, or any other comments from users are greatly appreciated.

Contact: Alison Evans or Paul Simpson

Tel: 352.273.1671 or 352.273.1694

Email: floridaoprc@ce.ufl.edu 🍊



**FLORIDA OCCUPANT PROTECTION
RESOURCE CENTER**
www.floridaoprc.ce.ufl.edu

Florida T2 Center Seeks New Director

The University of Florida College of Engineering has launched a national search to fill the vacant position of Director for the Florida Transportation Technology Transfer (T2) Center. Please consider and forward to your contacts as appropriate. Go to jobs.ufl.edu, T2 Director, Requisition Number 0900186, to access the position description and

job application. The position posting will be open through May 30, 2012.

Questions about this position may be directed to Dr. Lily Elefteriadou, Director, Transportation Research Center (TRC), University of Florida, 365 Weil Hall, P.O. Box 116580, Gainesville, FL 32611-6580. 🍊

Call for Email Addresses

Save Paper: Receive the Florida Technology Transfer Quarterly by Email

One of our goals at the T2 Center is to grow the list of folks who receive our newsletter electronically. We sent out our first electronic edition in March, which included helpful links to information that did not fit in our February print issue. If you would like to access this exciting and informative portal, please send an email to t2@ce.ufl.edu with your name, organization, and email address.

After our printed Training Portfolio this November, we will begin sending the newsletters

only via email, with the exception of the annual Training Portfolio which we will continue to print and send each year. If you would like to continue receiving each issue, don't delay! Send your email address now, and join the growing list of people receiving their copy electronically.

Visit www.t2ctt.ce.ufl.edu/t2ctt/Archive.asp to view issues of the Florida Technology Transfer Quarterly, past and present. 🍊



FACERS Annual Meeting June 20–22, 2012 — Orlando World Center Marriott Resort

In conjunction with 2012 FAC Annual Conference and Educational Exposition
Wednesday, June 20

- 8:30am – 9:30am** LAP Procedures Update (Duane Brautigam, FDOT)
- 9:45am – 10:45am** Integration of Solid Waste Conversion Technologies with Public Works (Paul Hauck, CDM Smith)
- 11:00am – 12:00pm** Exhibit Hall / Networking Opportunities***
- 12:00pm – 1:30pm** Lunch (on your own)
- 1:30pm – 2:30pm** FDOT Safety Outreach and Work Initiative for Smaller Counties (Lora Hollingsworth, FDOT)
- 2:45pm – 3:15pm** Presentation Do's and Don'ts (Nina Barker, Florida T2 Center)
- 3:15pm – 4:00pm** Every Day Counts Initiative (Martin Knopp, FHWA)
- 4:00pm – 5:00pm** Round Table Discussion — Public Works Construction Issues

Thursday, June 21

- 8:00am – 9:00am** Managing Maintenance in Volusia County Using a CMM System (Judy Grim, Volusia County)
- 9:15am – 10:15am** Advantages of Utilitizing Warm Mix Asphalt (Jim Musselman, FDOT, and Jim Warren, ACAF)
- 10:30am – 11:30am** Answering “What If?": A Different Approach to Building an Arterial Roadway (Jim Harriott, Sarasota County)
- 11:30am – 1:00pm** FAC Luncheon or Lunch on your own
- 1:00pm – 2:00pm** Pavement Management — Agency vs. Contractor (Matt LaChance, VHB, and Bob Siffert, Asphalt Paving Systems)
- 2:00pm – 3:00pm** Design-Build Methodology: A City of Tampa Case Study (Robert Garland, Greeley and Hansen)
- 3:15pm – 3:45pm** Consultants Competitive Negotiations Act — Refresher (Frank Rudd, FES and FICE Executive Director)
- 4:00pm – 5:00pm** Round Table Discussion — Public Works Legal Issues
- 6:00pm – 10:00pm** FACERS Social

Friday, June 22

- 8:00am – 8:30am** FAC Continental Breakfast***
- 8:45am – 10:45am** FACERS Board of Directors and General Membership Meeting
- 11:00am – 11:30am** FACERS Awards Presentation
- 11:30am – 1:00pm** Hotel Check Out/LUNCH

*** Note — FACERS does not charge a registration fee for its activities; however, attendance at any FAC events requires that you are a registered FAC participant.

It's Free! Whether you can attend in person or watch the technical sessions by broadcast right from your office, the price is the same: FREE! Visit www.facers.org/?p=1417 for more information or to register for the online broadcast. You can also email itassist@ce.ufl.edu if you have any questions or need assistance.



Streamlining the LAP Process Continues

FDOT and FACERS work together through a Community of Practice

The Local Agency Program (LAP) is the mechanism through which local governments receive federal highway funds for local projects. In Florida, the Florida Department of Transportation (FDOT) is responsible for administering these funds and ensuring compliance with federal rules and regulations.

Florida Association of County Engineers and Road Superintendents (FACERS) representatives have been working at both the national and state levels on initiatives to streamline the LAP process. At the state level, FACERS representatives have been working with FDOT through a Community of Practice. This initiative has been aimed at

improving consistency, minimizing review and oversight, and clarifying procedures.

The LAP Specifications for Asphalt, Concrete, Earthwork, and Landscaping have been recently revised and published. FDOT is also preparing a Local Agency Guide intended to serve as a comprehensive reference to assist local agencies with LAP projects.

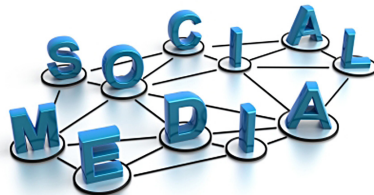
Visit www.dot.state.fl.us/specificationsoffice/LAP/Default.shtm for information about the work plan and progress of the Community of Practice. Anyone working with LAP projects is encouraged to keep up to date on the progress of this initiative by monitoring this site. 🍊

Submitted by John Goodknight, PE, PhD

FDOT Joins Social Media

More ways to keep in touch with the Florida Department of Transportation

The Florida Department of Transportation (FDOT) now offers three additional ways to keep in touch with the latest news, research, projects, collaborations, and more.



You can “like” FDOT on Facebook, “follow” them on Twitter, and “subscribe” to their YouTube Channel by visiting the Web addresses listed below.

Facebook: facebook.com/FLDOT

Twitter: twitter.com/#!/myfdot

YouTube: youtube.com/user/myfdot 🍊

Curbing Transit Operator Distracted Driving Course

FDOT collaborates to develop a new training course for public transportation drivers

The Florida Department of Transportation (FDOT) partnered with the Federal Transit Administration (FTA) to create a 30-minute instructional course that public transportation agencies can use to teach employees about the dangers and consequences of distracted driving. FDOT and FTA developed the program along with USDOT's Transportation Safety Institute (TSI) and the production team at the University of South Florida's Center for Urban Transportation Research (CUTR).

The course consists of a ten-minute video, instructor's guide,

participant guide, and a 50-slide PowerPoint presentation, complete with statistics, definitions, facts, and examples.

The website also provides a 20-minute self-paced online version of the training program which uses video, photography, and narration to deliver the important message about distracted driving. In addition to the training programs, the site offers tools to help agencies establish distracted driving policies.

To view the training material and get contact details where you can request further information, visit www.transitoperations.org/distracteddriving/. 🍊



Florida's Pedestrian and Bicycling Safety Resource Center

Supplying materials to make your safety event successful

Make your ped/bike events and educational activities more successful by providing items that reinforce safe walking and bicycling practices. Items listed below are available at no charge to qualifying organizations. Visit www.pedbikesrc.ce.ufl.edu for descriptions, illustrations, and ordering information.

Stickers

- Use Your Head (Dog)
- Use Your Head (Moose)
- Walk Safely!
- Walking School Bus

Tattoos

- I'm Safe - Think Before You Step
- I'm Safe - Be Safe! Wear a Helmet
- I'm Safe - Think B4 You Step
- I'm Safe - Use Your Brain! Wear a Helmet!

Reflective

- "Be Safe Be Seen" Reflective Wristlet
- SRTS Reflective Wrist Band
- Reflective Zipper Pull

Other

- Brain Erasers
- 4-Pack Crayola Crayons
- Whistles

Posters

- Are You A Safe Walker?
- Bicyclist Poster II (Spanish)
- Bicyclist Poster (Spanish)
- Pedestrian Poster: Intoxicated (Spanish)
- Pedestrian Poster: Sidewalks (Spanish)
- I'm Safe On My Bike

Books

- A Resident's Guide for Creating Safe and Walkable Communities
- Cycling Skills Clinic Guide
- Florida Bicycle/Pedestrian Law Enforcement Guide
- Florida Bicycling Street Smarts
- How to Develop a Pedestrian Safety Action Plan
- Pedestrian Safety Guide for Transit Agencies
- Pedestrian Safety Workshop: A Focus on Older Adults

- Pedestrian Safety Workshop: A Focus on Older Adults Instructor Guide
- PEDSAFE: Pedestrian Safety Guide and Countermeasure Selection System
- Practice Bike Safety
- Statewide Bicycle Facilities Study
- The Guide to Bicycle Rodeos
- Traffic Safety

Publications

- A Kid's Guide to Safe Walking
- Bicycle Safety
- Bicycle Safety: What Every Parent Should Know *E/S
- Bicyclist Make Safe Choices/Rules of the Road
- Bike Riding Dangers
- CROSSWALK COUNTDOWN!
- Crosswalk, Corners and Critters Coloring Book
- Crosswalk, Corners and Critters Memory Cards
- Crosswalk Safety *E/S
- Easy Steps to Properly Fit a Bicycle Helmet
- EL EQUIPO ADECUADO
- Florida Specifier
- GOT GEAR?? Safe to the Xtreme
- How To Fit & Wear Your Bicycle Helmet *E/S
- I'm A Safe Walker
- I'm Safe - On My Bike
- I'm Safe on My Bike Coloring Book
- I'm a Safe Walker Coloring Book
- I'm Safe! Paint Sheet - Bike *E/S
- I'm Safe! Paint Sheet - Pedestrian *E/S
- I'm Smart About People

- Kids Physical Activity *E/S
- Know the Rules - Going To & From School *E/S
- Let's Walk to School Coloring Book
- Neighborhood Safety *E/S
- Parent's Guide - Child Safety on Your Street
- Paul's A-Maze-ing Trip
- PEATÓ & PONGA ATENCIÓN...
- Prevent Pedestrian Crashes
- Road Riders Are Drivers
- Safety Fun Activity Book *E/S
- Sara and Her Bike
- Secret Code
- Sprocket Man Comic Book
- Stepping Out
- Teacher's Guide - Walk With Me
- The Top Ten Rules of Bicycle Safety
- Tips for Parents and Other Adults for Teaching Pedestrian Safety to Children *E/S
- Tips for Walking Safely to School *E/S
- Walk 'n Roll Activity Book
- Walk 'n Roll Bookmark
- Walk 'n Roll Punch Cards
- Wear Your Helmet
- What's Wrong with This Picture?
- You Can Teach Your Child to Walk Safely *E/S
- You Can't Stop a Train

*E/S — Available in English and Spanish



New at the T2 Media Center

Below is a sample of new items added to the Media Center collection since the last newsletter. Visit t2ctt.ce.ufl.edu/t2ctt/T2_Media_Center.asp to view all new listings.

As always, any non-copyrighted publication can be printed and checked out to you upon request. Visit the website, call (352.392.9537 ext. 1544), or email (mediacenter@ce.ufl.edu) for more information.

- Sustainable Public Transportation: Environmentally Friendly Mobility
- Technological Innovations in Transportation for People with Disabilities
- Proposed Accessibility Guidelines for Pedestrian Facilities in the Public Right-of-Way
- Cycling Mobility
- A Review of Pedestrian Safety Research in the United States and Abroad
- Pavement Management 2011, Volume 3
- A Decade of Change in Fuel Prices and U.S. Domestic Passenger Aviation Operations
- Safety IDEA Program Annual Report, January 2012
- The Superpave Mix Design System: Anatomy of a Research Program
- State DOT Financial Auditing Requirements for Public Transportation Assistance Programs
- Research Pays Off: Can Travel Training Services Save Public Transportation Agencies Money?
- Survey of the States: Speeding and Aggressive Driving
- Standardization of Crash Analysis in Florida
- Evaluation of Alternative Pedestrian Control Devices

FDOT Summary of Final Research Reports New topics available!

Access www.dot.state.fl.us/research-center for these summaries and final reports. Go to the Research Center Topics drop-down menu in the lower left corner of the page and click on Completed Research. Summaries are listed by category.

Construction

BDK75 977-38—Durability of In Situ Pipe Repair

Environmental Management

BDK78 977-06—Modeling of Concentrations of MSATs (Mobile Source Air Toxics) along Highways and Near Intersections in Florida

PR4516611—Energy Conservation Study, Madison and Polk County: 2010 Survey of Roadside Vegetation

Maintenance

BDK75 977-36—Roadside Vegetation Field Condition Study

BDK75 977-37—Evaluation of Dual Cable Signal Support Systems with Pivotal Hanger Assemblies

Materials

BD545-80—Validation of Nondestructive Testing Equipment for Concrete, Summary

Operations

BB978—High Performance Concrete Showcase, Final Report, Modules 1-6

Planning

BDK77 977-16—Regional Cooperation in Transportation Planning

Public Transportation

BDK85 977-17—An Assessment of Public Transportation Markets using NHTS

BDK85 977-18—Tracking Costs of Alternatively Fueled Buses in Florida

BDK85 977-27—Estimating Costs and Benefits of Emissions Reduction Strategies for Transit by Extending the TRIMMS Model

Roadway Design

BD545-58—Wave Loading on Bridge Decks, Final Report

BDK77 977-06—Development and Calibration of Highway Safety Manual Equations for Florida Conditions

Safety

BDK80 977-10—Standardization of Crash Analysis in Florida

Structures

BDK75 977-16—Hillsboro Canal Bridge Monitoring

Upcoming Workshops

Visit t2ctt.ce.ufl.edu to view the full course listings or to register for any of our sessions. For more information about T2 workshops, email t2workshops@ce.ufl.edu or call 352.273.1670. For CTQP courses, email ctt@ce.ufl.edu or call 352.273.1669. We look forward to serving you. Training on *your* terms.

Advanced Maintenance of Traffic

May 9–11, 2012	Orlando
May 16–18, 2012	Punta Gorda
June 6–8, 2012	Temple Terrace
June 13–15, 2012	Gainesville
June 27–29, 2012	Cape Coral
June 27–29, 2012	Tallahassee
July 18–20, 2012	Orlando
July 26–27, 2012	North Miami Beach

Advanced MOT — Refresher

May 8, 2012	Orlando
May 14, 2012	Tallahassee
May 15, 2012	Punta Gorda
May 17, 2012	Pompano Beach
June 5, 2012	Temple Terrace
June 12, 2012	Gainesville
June 26, 2012	Cape Coral
June 26, 2012	Tallahassee
July 17, 2012	Orlando
July 18, 2012	North Miami Beach

Asphalt Paving Level 1

May 22, 2012	Fort Myers
June 12, 2012	Tampa
July 10, 2012	Orlando

Asphalt Paving Level 2

May 23–25, 2012	Fort Myers
June 13–15, 2012	Tampa

Asphalt Plant Level 1

May 15–17, 2012	Gainesville
July 18–20, 2012	Gainesville

Concrete Batch Plant Operator

August 7, 2012	Chipley
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Drilled Shaft Inspection

May 14–16, 2012	Sarasota
July 11–13, 2012	Gainesville

Earthwork Construction Inspection Level 1

June 5–6, 2012	Orlando
July 17–18, 2012	Gainesville
August 21–22, 2012	Davie

Earthwork Construction Inspection Level 2

June 7–8, 2012	Orlando
July 19–20, 2012	Gainesville
August 23–24, 2012	Davie

EDC Exchanges for Market-Ready Technologies - FREE

June 21, 2012	Tallahassee, Ocoee, Davie
August 16, 2012	Tallahassee, Ocoee, Davie

FDOT Concrete Field Inspector Specification

May 7–9, 2012	Temple Terrace
June 18–20, 2012	Davie

Final Estimates Level 1

July 11, 2012	Gainesville
July 25, 2012	Lakeland

Final Estimates Level 2

July 12–13, 2012	Davie
July 26–27, 2012	Lakeland

Intermediate Maintenance of Traffic

May 16–17, 2012	Crestview
May 23–24, 2012	Gainesville
May 23–24, 2012	Orlando
June 12–13, 2012	North Miami Beach
June 13–14, 2012	Cape Coral
July 18–19, 2012	Temple Terrace
July 25–26, 2012	Gainesville
July 25–26, 2012	Punta Gorda

Intermediate MOT — Refresher

May 15, 2012	Crestview
May 22, 2012	Gainesville
May 22, 2012	Orlando
June 12, 2012	Cape Coral
June 20, 2012	North Miami Beach
July 17, 2012	Temple Terrace
July 24, 2012	Gainesville
July 24, 2012	Punta Gorda

Limerock Bearing Ratio (LBR) Technician

June 25–26, 2012	Gainesville
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Nuclear Density Gauge Safety and HazMat

June 4, 2012	Orlando
July 16, 2012	Gainesville

Pile Driving Inspection

June 4–6, 2012	Gainesville
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Pilot/Escort Flagging

May 3, 2012	Gainesville
June 7, 2012	Gainesville
June 21, 2012	Orlando
July 12, 2012	Fort Myers
July 12, 2012	Gainesville

Pilot/Escort Flagging Refresher

May 10, 2012	Gainesville
June 7, 2012	Gainesville

Qualified Aggregate Sampler

June 27, 2012	Gainesville
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Quality Control Manager

May 10–11, 2012	Temple Terrace
June 21–22, 2012	Davie

May is Motorcycle Safety Awareness Month

www.nhtsa.dot.gov

May is Bicycle Safety Month

www.bikeleague.org/index.cfm



Florida Transportation Technology Transfer Center
University of Florida Engineering School of
Sustainable Infrastructure & Environment
2110 NE Waldo Road
Gainesville, FL 32609

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Upcoming Workshops

For the dates and locations of these upcoming workshops, see page 11.

Advanced Maintenance of Traffic 8 classes	Earthwork Construction Insp Level 2 3 classes	Limerock Bearing Ratio (LBR) Tech 1 class
Advanced MOT - Refresher 10 classes	EDC Exchanges for Market-Ready Technologies - FREE 2 classes	Nuclear Density Gauge Safety and HazMat 2 classes
Asphalt Paving Level 1 3 classes	FDOT Concrete Field Inspector Spec 2 classes	Pile Driving Inspection 1 class
Asphalt Paving Level 2 2 classes	Final Estimates Level 1 2 classes	Pilot/Escort Flagging 5 classes
Asphalt Plant Level 1 2 classes	Final Estimates Level 2 2 classes	Pilot/Escort Flagging Refresher 2 classes
Concrete Batch Plant Operator 1 class	Intermediate Maintenance of Traffic 8 classes	Qualified Aggregate Sampler 1 class
Drilled Shaft Inspection 2 classes	Intermediate MOT - Refresher 8 classes	Quality Control Manager 2 classes
Earthwork Construction Insp Level 1 3 classes		

Too Much Mail? Please help to keep our database current so we can best serve you! If this copy is a duplicate or is for someone who is no longer with your agency, write DELETE on this page and fax it to 352.392.3224. If you have several corrections, please contact us at t2@ce.ufl.edu or 352.273.1687.