



T² *Technology Transfer Quarterly*

Florida's Traffic Engineering and Safety Workforce Training Update

A University of Florida Publication

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November 2008

Improve Your Agency's Traffic Signs with a NACE/3M Grant! see page 21



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Technology Transfer Quarterly

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Florida Technology Transfer Quarterly, published by the Florida Transportation Technology Transfer (T²) Center at the University of Florida, Department of Civil and Coastal Engineering, facilitates information exchange relating to roads, bridges, general surface transportation and safety.

Our programs are sponsored through partnerships between the Florida Department of Transportation and the Federal Highway Administration and include the Local Technical Assistance Program (LTAP), Safety Circuit Rider Program (SCR), the Product Demonstration Showcase Program (PDS), and the Pedestrian/Bicycling Safety Resource Center.

Interested parties may receive this publication at no cost by completing and returning the FaxBack form on the inside back cover. Newsletter content and accuracy is the exclusive responsibility of the Florida T² Center.

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UF UNIVERSITY of
FLORIDA

Training, needed now more than ever!

No agency is immune to the recent rounds of budget and personnel cuts. The impact to your agency can be overwhelming. The work still needs to get done and now you have additional duties due to cutbacks. Many agencies are in crisis management mode. The remaining staff must quickly obtain the skills and competence needed to successfully perform their newly assigned duties amid increasing workloads. That means training. Agency training budgets are often the first thing cut, but when downsizing occurs and duties are shifted, it is critical that the staff be trained to handle the jobs.

Leaving workers to learn by doing or by the trial-and-error method is not the answer. Employees must feel confident in their knowledge to do the job right. If not, your agency may lose even more. Many transportation departments do not have formal training programs, and making time to train employees is challenging because of time constraints.

We have all seen Derek Bok's bumper sticker that reads, "If you think education is expensive, try ignorance." This also applies to the workplace, now more than ever. There are two ways to learn — by mistake or through quality training.

Additional or improved skills are vital to keep employees current on new job-related tasks and keep them compliant with laws and regulations. Effective instruction improves efficiency and productivity and reduces work needed to be corrected, accidents, and workers' compensation claims while at the same time improving morale. Altogether this contributes significantly to better customer service and goal achievement. Training signifies an employer's commitment to staff that is important in retaining employees.

Don't set your workers up to fail. Morale is low and the best action your agency can take is to invest in them. Yes, training is an investment in your most valuable commodity, your employees. It will yield high dividends.

The Florida T² Center and the Center for Transportation Training are committed to keeping your training costs to a minimum. We are working with agencies like yours to bring the training on-site to their location, saving payroll hours, travel costs, and other expenses. Please review this training portfolio and call us today to see how we can help. If you don't see the training you need, talk to us. We coordinate with a network of 58 centers throughout the country to share materials and instructors. Chances are we can give you exactly what you need. Training might seem like an expensive luxury in these fiscally lean times, but the fact is it is an investment your agency can't afford not to make. ■■■

Tourist Oriented Directional Signing Program for Florida's Rural Counties

Tourist Oriented Directional Signing (TODS) Program

Through the Tourist Oriented Directional Signing (TODS) Program, the Florida Department of Transportation (FDOT) now allows qualified county and municipal governments to install guide signs on the State Highway System (SHS) to identify local facilities, parks, libraries, tourist attractions, etc. Local government agencies are responsible for the approved design, fabrication, installation and maintenance of the signs. All signs and structures placed on the SHS must meet FDOT standards. Local construction standards apply to TODS on local roads.

Visit www.dot.state.fl.us/TrafficOperations/Operations/Signing.htm to learn more. ■■■

It pays to be a Member of NACE for County and City Agencies!

National Association of County Engineers (NACE) members can apply for a one-time, safety initiative grant to significantly reduce the cost of traffic signs to meet new, federal retroreflectivity standards that require agencies to address the need for higher performing signs. The grant is in partnership with 3M, a leading maker of reflective safety products.

Just ask the folks in Highlands County and Marion County and they will tell you how easy it was to apply for and receive their NACE/3M grant which saved them thousands! Talk about benefits of membership! You too can impress your local officials and citizens. Are **you** a NACE member? If so, take advantage of this terrific opportunity. NACE membership is only \$130 per year or \$120 if your agency has personnel who are also members of the Florida Association of County Engineers and Road Superintendents (FACERS). Increase your membership savings and benefits by joining FACERS too! It will be some of the best money your agency has ever spent! What a great return on your investment. There are many other benefits of NACE and FACERS memberships, so join today and your membership will be good through December 2009!

Hey, cities, you too can join FACERS and NACE and apply for and receive the same grant. Both organizations accept city members!

Each NACE member county or city is eligible for one grant to purchase 3M reflective signing material, either fabricated signs or roll sheeting, from participating independent sign fabricators. The criteria are: be a member of NACE representing a local (county or city) agency and have a commitment to upgrading their signs from engineer grade (Type I, II) to a prismatic material (Type III, IV, IX, X or proposed Type XI). An agency can apply for the 500 SQ. FT. minimum and there is no maximum amount. However, the grant can only be applied to one order and will need to be used within six months of date issued. The NACE grant provides substantial savings on sign sheeting materials that can be applied to purchasing roll goods directly from 3M or signs through a fabricator of the agency's choosing that uses 3M sheeting materials.

Visit www.minimumreflectivity.org to learn more about the new retroreflectivity guidelines.

Grant applications will be received through June 30, 2009. For current NACE members, go to www.countyengineers.org and visit the "Members Only" page (top right side of Home page) to obtain your ID and password or if you have questions, contact the NACE office 202.393.5041. Visit FACERS.org for FACERS membership information. ■■■

The stop sign and pedestrian photos are courtesy of 3M™ Traffic Safety Systems Division.



New at the T² Media Center

Our Media Center offers more than 7,000 publications, 1,000 videos, and 175 CDs and it's easy to borrow materials from the T² Center. To request any of the items on these pages, please mark the items you want to borrow and fax with the FaxBack form on the inside back cover to 352.392.3224. Descriptions of the materials can be found on our website: t2.ce.ufl.edu where you can also request a full catalog on CD, or browse the electronic catalog.

Call 352.392.9537 EXT. 1544 for assistance.

New Publications

- ☐ **Guidance for Implementation of the AASHTO Strategic Highway Safety Plan: Volume 19, A Guide for Reducing Collision Involving Young Drivers**
TRB NCHRP500.19
- ☐ **Guidelines for Concrete Mixtures Containing Supplementary Cementitious Materials to Enhance Durability of Bridge Decks**
TRB NCHRP566.01
- ☐ **Performance-Related Tests of Recycled Aggregates for Use in Unbound Pavement Layers**
TRB NCHRP598.01
- ☐ **Human Factors Guidelines for Road Systems**
TRB NCHRP600A.01
- ☐ **GASB 34 - Methods for Condition Assessment and Preservation**
TRB NCHRP608.01
- ☐ **Recommended Construction Specifications and Process Control Manual for Repair and Retrofit of Concrete Structures Using Bonded FRP Composites**
TRB NCHRP609.01
- ☐ **Forecasting Statewide Freight Toolkit**
TRB NCRHP606.01
- ☐ **Traffic Safety Facts Research Note: States with Primary Enforcement Laws Have Lower Fatality Rates (Updated)**
NHTSA NHTSAO499.01
- ☐ **Managing Selected Transportation Assets: Signals, Lighting, Signs, Pavement Markings, Culverts, and Sidewalks**
TRB N-SYN371.01
- ☐ **Multi-Disciplinary Teams in Context-Sensitive Solutions**
TRB N-SYN373.01
- ☐ **Preserving Freight and Passenger Rail Corridors and Service**
TRB N-SYN374.01
- ☐ **Quality Assurance in Design-Build Projects**
TRB N-SYN376.01
- ☐ **Compilation of Public Opinion Data on Tolls and Road Pricing**
TRB N-SYN377.01
- ☐ **Introduction to Access Management: What You Need to Know**
FLDOT P0032.01
- ☐ **The 70 MPH Speed Limit: Speed Adaptation, Spillover, and Surrogate Measures of Safety**
IOWA STATE UNIVERSITY P0181.01
- ☐ **Road Safety Audits: Case Studies**
FHWA P0192.01
- ☐ **Minimum Retroreflectivity Levels for Blue and Brown Traffic Signs**
FHWA P0232.01
- ☐ **Florida Department of Motor Safety and Highway Vehicles Traffic Crash Statistics Report 2005**
FDHSMV P0235.01
- ☐ **Bridging the Gap: Restoring and Rebuilding the Nation's Bridges**
AASHTO P0238.01
- ☐ **Surface Transportation: Principles Can Guide Efforts to Restructure and Fund Federal Programs**
GAO P0240.01
- ☐ **Motorcycle Safety: A Survey of State Programs**
NHTSA P0249.01
- ☐ **Highway Public-Private Partnerships: Securing Potential Benefits and Protecting the Public Interest Could Result from More Rigorous Up-front Analysis**
GAO P0253.01
- ☐ **Repairing and Reconstructing Disaster-Damaged Roads and Bridges: The Role of Federal-Aid Highway Assistance**
CONGRESSIONAL RESEARCH SERVICE P0398.01
- ☐ **Legal Research Digest 25: Privacy Issues with the Use of Smart Cards**
TCRP P0431.01
- ☐ **The Resilient Coast: Policy Frameworks for Adapting the Built Environment to Climate Change and Growth in Coastal Areas of U.S. Gulf of Mexico**
SEA GRANT TX P0603.01
- ☐ **Evacuation Transportation Management**
FHWA P0604.01
- ☐ **How to Help an Older Driver**
AAA P0611.01
- ☐ **Driving Down Lane-Departure Crashes**
AASHTO P0626.01
- ☐ **Potential Impacts of Climate Change on U.S. Transportation**
NATIONAL RESEARCH COUNCIL P0637.01
- ☐ **An Interim Guidebook on Congestion Management Process Metropolitan Transportation Planning**
FHWA P0662.01
- ☐ **Develop Methodologies/Protocols to Assess Cracking Potential of Asphalt Mixtures Using Accelerated Pavement Testing**
FDOT UF P0671.01
- ☐ **Bike Safe: Bicycle Countermeasure Selection System**
USDOT P0693.01
- ☐ **Cost/Benefit Analysis of Electronic License Plates**
AZDOT P0697.01
- ☐ **Evolution of and Directions in Construction Safety and Health**
CIB P0713.01
- ☐ **Cost Effective Safety Improvements for Two-Lane Rural Roads**
USDOT P0715.01
- ☐ **Strategies to Address Nighttime Crashes at Rural Unsignalized Intersections**
IOWA STATE UNIVERSITY P0716.01
- ☐ **Making the Case for Transportation Safety Ideas for Decision Makers**
DOT FHWA P0718.01

Videos

- ☐ **In the Zone - work zones**
NCDOT V0050.01
- ☐ **A Sudden Change of Plans**
NCDOT V0058.01

Giveaways

Make your choice(s) and use the FaxBack form to request these free items.

- ☐ Pedestrian Safety Guide for Transit Agencies (Feb 2008) Book, 3 COPIES
- ☐ Roadway Safety Awareness Program: Disaster Response Booklet, 50 COPIES
- ☐ Roadway Safety Awareness Program: Temporary Traffic Control Devices Booklet, 50 COPIES
- ☐ Roundabouts A Safer Choice Brochure, 10 COPIES
- ☐ Surrogate Safety Assessment Model (SSAM) Booklet, 32 COPIES
- ☐ Know the Signs Poster, 16 COPIES
- ☐ ITS in Work Zones: Case Study Dynamic Lane Merge Booklet, 18 COPIES
- ☐ ITS in Work Zones: Case Study Integrated Work Zone Booklet, 22 COPIES
- ☐ ITS in Work Zones: Case Study Using ATI Booklet, 15 COPIES
- ☐ ITS in Work Zones: Case Study Work Zone Travel Time Booklet, 15 COPIES
- ☐ Saving Lives, Time, & Money Using ITS Booklet, 9 COPIES
- ☐ Highway Finance & Public-Private Partnerships Booklet, 5 COPIES
- ☐ Introduction to the Inspection of Ground Anchors and Soil Nails CD Sample, 3 COPIES
- ☐ Retroreflective Sheeting Identification Guide Laminated, 70 COPIES
- ☐ Summary of Trenchless Technology Use in Culverts Booklet, 9 COPIES
- ☐ Transforming America's Roads and Bridges Toolkit vol.2 January 08 CD, 10 COPIES
- ☐ Innovative Intersection Safety Improvement Strategies Book, 3 COPIES

FDOT Summary of Final Reports—New Topics Available

Access the updated FDOT web site www.dot.state.fl.us/research-center/ for these summaries. 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

- ☐ BD548-18 – A Human Factors Examination of Driver Response to a Specific Work Zone Design (Design Standard #613, Duration Note 2) and Key Moderating Factors

Motor Carrier Compliance

- ☐ BD548-10 – Simulation as a Tool for Enhancing Commercial Driver Skills and Recertification: Follow-On to the Virtual Check Ride System
- ☐ BD550-10 – FDOT Safety Examiner Workforce Certification Test
- ☐ BD548-21 – The Enhancement and Upgrade of the Electronic Freight Theft Management System

Materials

- ☐ BD544-34 – Performance Evaluation of No Track Thermoplastic Markings
- ☐ BD544-08 – Early Warning Corrosion Detection in Post Tensioned Tendons
- ☐ BD545-43 – Updating Florida Department of Transportation's (FDOT) Pile/Shaft Design Procedures Based on CPT and DTP Data
- ☐ BD545-49 – Develop Methodologies/Protocols to Assess Cracking Potential of Asphalt Mixtures Using Accelerated Pavement Testing

Planning

- ☐ BD549-36 – Documenting Improved Mobility Techniques on SIS and Trip Facilities

Public Transportation

- ☐ BD549-34 – Moving the Bus Back into Traffic Safely – Signage and Lighting Configuration Phase 1

Structures

- ☐ BD545-30 – Prevention of Splitting Failure at Ends of Prestressed Beams During Fabrication

Surveying and Mapping

- ☐ BD140 – Enterprise Geographic Information System (GIS) for Transportation Phase 1

Traffic Engineering and Operations

- ☐ BD545-37 – Development of a Central Data Warehouse for Statewide ITS and Transportation Data in Florida

Sharing Success Stories

The Florida Association of County Engineers and Road Superintendents (FACERS) recognize excellence in service in Florida's public works agencies through their annual awards. Although winners were announced in our August newsletter, there were so many outstanding nominations that we decided to feature brief synopses of the FACERS Team Project award entries as newsletter space permits. Transportation and public works agencies have numerous unsung heroes and the FACERS awards offer an opportunity to recognize some of the outstanding projects and efforts these public servants provide to the citizens of our communities and state. FACERS and the Florida T² Center hope sharing these stories will provide a small thank you for a job well done and also inspire others to share theirs. Visit www.facers.org for information on all the award categories and to make nominations. Here are two success stories and more stories will be featured in future newsletters.

Team Project: Partnering to Reduce Silt Runoff into Okaloosa County Streams

Okaloosa County Public Works Road Division, Asphalt and Construction Sections

In 2005, Okaloosa County was approached by a conservation organization requesting assistance in preventing excessive silting of streams throughout the county. The Okaloosa County Board of County Commissioners was enthusiastic and charged Public Works with making the project succeed. Throughout 2006 Public Works worked with many parties, including the U.S. Department of Agriculture (USDA), the Florida Department of Environmental Protection, the Florida Fish and Wildlife Conservation Commission, and the Three Rivers Conservation District (TRCD) to select three demonstration projects to implement the partnership. These were clay based roads and shed tons of clay and silt into the streams. One project was Sherman Kennedy Road over Panther Creek. The county

designed the project and provided labor and equipment. The USDA and the TRCD provided funding for required materials. Public Work began in early 2007 and completed it in July 2007. The county's Asphalt and Construction Sections constructed stormwater treatment structures, swales, and paved the road, dramatically reducing the amount of Sherman Kennedy Road silt entering Panther Creek. The project very successfully demonstrated the partnership and goodwill that can result when federal, state, and county organizations combine resources to improve the environment, benefiting all citizens. Okaloosa County strongly supports partnering, especially during times of limited funding.

Team Project: Central Barn Road Capacity Project

Polk County Public Works Department, Transportation Engineering Division

This project was a resounding success because of open communication and cooperation. Conducted by a professional facilitator, a partnering meeting was held prior to construction for the construction contractor, county project management, City of Lakeland utility staff, CEIS, design engineers, and utility service providers. They discussed past experiences, personality traits, values, goals, issue resolution, problem solving actions, and their mission statement.

Polk County's Transportation Engineering Division constructed a 3.4 mile section of County Road 540A (Central Barn Road). This once rural, farming area with orange groves lining the two lane road had peak-hour level of service (LOS) of level E. An urban typical section was designed for varying widths of right-of-way to improve the LOS to B or better.

The 2004 hurricane aftermath complicated the work load. Other obstacles included building an at-grade bridge extension close to a phosphatic clay "slime" pit and a bridge approach abutting a major railroad. Construction was prohibited from interrupting scheduled train traffic. Gopher tortoises had to be relocated and mating bald eagles added restrictions. Safe passage for elementary school students and communication with homeowners was needed. Utility relocations included gas, electric, cable tv, telephone, water and sewer.

With careful planning, temporary pavement and lane shifts, the road was kept open at all times. Most work was performed at night, reducing the impact and increasing safety for motorists and workers. The project was completed 54 days ahead of schedule and within budget for \$25.9 million. ■■■

Watch for more Success Stories in future newsletters!

New Research Cards Are Available

The FDOT Research Center issued more project information cards. The projects include:

- ☐ **Toolbox Developed to Address Construction Workforce Shortages**
BDF05 Entry-Level Transportation Construction Workforce Shortages
- ☐ **New Traffic Data Archive Available from FDOT**
BD545-37 Development of a Central Data Warehouse for Statewide IIS and Transportation Data in Florida Phase II: Proof of Concept
- ☐ **Development of New Soil Permeability Measurement Tool**
BD545-15 Development of Field Permeability Apparatus



Entry-Level Transportation Construction Workforce Shortages BDF05

Background The transportation construction industry expects to have sustained growth through 2012. However, recruiting workers is difficult, especially recent high school graduates and women, even though wages on average are higher than for other hourly jobs. Low recruitment and impending retirement of many experienced workers may create a labor shortage.

Findings Researchers surveyed potential applicants about job selection criteria and their views on construction work. They surveyed Florida construction companies about hiring challenges and practices. Job seekers wanted interesting work with flexibility and autonomy, good pay, training, advancement, fair treatment, and a positive image. The physical demands, lack of flexible hours and work assignments, and poor image make construction work unappealing. Those surveyed were unaware of training and advancement opportunities. The low number of female workers in the field discouraged women from applying. The companies agreed that negative image and lack of information hinder recruitment, and that applicants often lack technical education. The researchers recommend many techniques for addressing workforce shortages.

Project Manager: Darryll Dockstader
Principal Investigator: Lance Anderson
<http://www.dot.state.fl.us/research-center/>

To request cards, contact the Media Center at 352.392.9537 EXT. 1544 or mediacenter@ce.ufl.edu or use the FaxBack form on the inside back cover.

High Visibility Garments Webinar Now Available Online

"Complying with the New FHWA Regulation on High Visibility Garments"

Federal Highway Administration's (FHWA) new regulation regarding high visibility garments takes effect November 24, 2008. The new standard requires the use of high visibility clothing (as defined by the ANSI/ISEA 107 standard) when working in the right-of-way on federal-aid highways. Visit www.workzonesafety.org/training/webinar/2008_wz_webinar_high_visibility_clothing to review the presentation and video online. ||||

Ped/Bike Safety Resource Center to Join Florida T² Center

In early 2009, Florida's Pedestrian and Bicycling Safety Resource Center will join forces with the Florida T² Center's Media Center, further strengthening our commitment to providing our customers with the pedestrian and bicycle resources and training needed to make Florida's streets and pathways safer. The Ped/Bike Safety Resource Center is funded by a grant from the Florida Department of Transportation and will feature a website where materials can be checked out and/or ordered. Additional listings of resource contacts throughout Florida and the United States will also be available. Please contact us at mediacenter@ce.ufl.edu if you have books, publications or materials to contribute for distribution through the Ped/Bike Safety Resource Center. ||||



Free, Downloadable Manual: Managing Stormwater in Your Community: A Guide for Building an Effective Post-Construction Program

This manual was developed by the American Public Works Association to assist Phase II communities in developing and building effective post-construction stormwater programs. The manual outlines major elements of a post-construction program, including the relationship between local land-use decisions and stormwater management. Also covered: developing an ordinance and design criteria, implementing a plan review process, establishing a maintenance program, and tracking and evaluating the program.

Tools are included and designed to be used and modified by local stormwater managers to help with program implementation such as self-assessment, model ordinance, and manual builder. Visit www.cwp.org/postconstruction to download the manual and tools. ■■■

Safety Training Resource Database (STRD)

The Federal Highway Administration's (FHWA) Office of Safety has developed a Safety Training Resource Database that includes information on current and past safety and work zone professional development resources including course offerings, schedules, contact information, web-based seminars, conferences, and other training and capacity building tools. Users can search for information in 50 different topic areas such as access management, traffic calming, roadway lighting, road safety audits, pedestrians, defensive driving, data collection, and crash analysis as well as target information for specific audiences such as city/county managers and planners, educators, locally elected officials, motorists, and public safety officials, etc. Go to <http://rspcb.safety.fhwa.dot.gov> for database access. ■■■

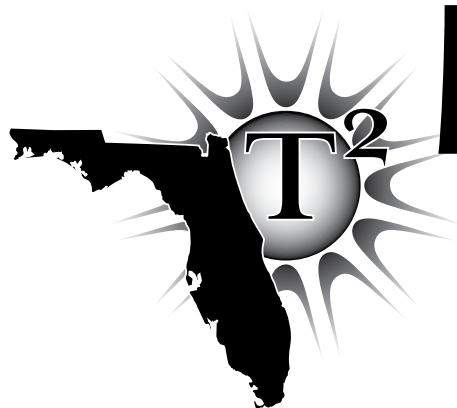
Correction

In our August issue we reported that Dan Connaughton, Traffic and Bicycle Safety Education Program Director, University of Florida, would be co-located here at our center. It should have read Dan will be collaborating with our bicycle/pedestrian associates, including Dr. Linda Crider and T² staff located in our building. We apologize for any confusion. ■■■

Public Works: Overcoming Today's Challenges for a Better Tomorrow



APWA FLORIDA CHAPTER
Annual Meeting & Trade Show
April 27 - May 1, 2009



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ITEMS mentioned in this issue:

Please mark the boxes below like this  Thank you!

SUBJECT	MAIL COPY	FAX COPY	EMAIL COPY
MEDIA CENTER ITEMS (PG. 22)			
GIVEAWAYS (PG. 23)			
FDOT SUMMARIES (PG. 23)			
RESEARCH CARDS (PG. 25)			

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Upcoming Workshops

To register visit t2.ce.ufl.edu or email t2workshops@ce.ufl.edu or call 352.392.2371 EXT. 31675.

To register for CTQP or CTT courses visit ctt.ce.ufl.edu or email ctt@ce.ufl.edu or call 352.846.3593 EXT. 31669.

ADA/Accessibility Requirements for Hwy Design and Pedestrians

December 15, 2008 Sebring
December 16, 2008 Sebring

Advanced Maintenance of Traffic

February 10 - 12, 2009 Tampa
March 18 - 20, 2009 Crestview

Advanced Maintenance of Traffic (MOT) Refresher

February 9, 2009 Tampa
February 13, 2009 Tampa
March 17, 2009 Crestview

Asphalt Paving Level 1 – CTQP

December 12, 2008 Gainesville
January 26, 2009 Bartow

Asphalt Paving Level 2 – CTQP

January 27 - 29, 2009 Bartow

Asphalt Plant Level 1 – CTQP

January 14 - 16, 2009 Gainesville
February 25 - 27, 2009 Miami

Asphalt Pavement Maintenance

February 18, 2009 DeLand

Construction Estimating

January 13, 2009 DeLand

Drilled Shaft Inspection – CTQP

February 2 - 4, 2009 Gainesville

FDOT Concrete Field Inspector Specification – CTQP

January 8 - 9, 2009 Gainesville

Earthwork Construction Inspection Level 1 – CTQP

January 12 - 13, 2009 Gainesville

Earthwork Construction Inspection Level 2 – CTQP

January 14 - 15, 2009 Gainesville

Intermediate Maintenance of Traffic

December 15 - 16, 2008 Leesburg
January 8 - 9, 2009 Oldsmar
January 21 - 22, 2009 Orlando
February 3 - 4, 2009 Gainesville
March 9 - 10, 2009 Ft Myers
March 10 - 11, 2009 DeLand
March 25 - 26, 2009 Tampa

Pilot/Escort Flagging Training

December 12, 2008 Ft Myers
December 17, 2008 Leesburg
January 9, 2009 Tallahassee
January 28, 2009 Tampa
February 13, 2009 Milton
February 24, 2009 Gainesville
March 6, 2009 Ft Myers
March 13, 2009 Tallahassee
March 20, 2009 Leesburg

Plans Reading Fundamentals

March 11, 2009 DeLand

Quality Control Manager – CTQP

January 21 - 22, 2009 Gainesville

Safe Mobility for Life Program: Preparing Our State for the Future

February 11, 2009 Vero Beach
March 4, 2009 Sarasota

Traffic Engineering Fundamentals

December 10 - 12, 2008 Punta Gorda

Visit ctt.ce.ufl.edu for CTQP or CTT workshop details or visit t2.ce.ufl.edu for all other workshop details.



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