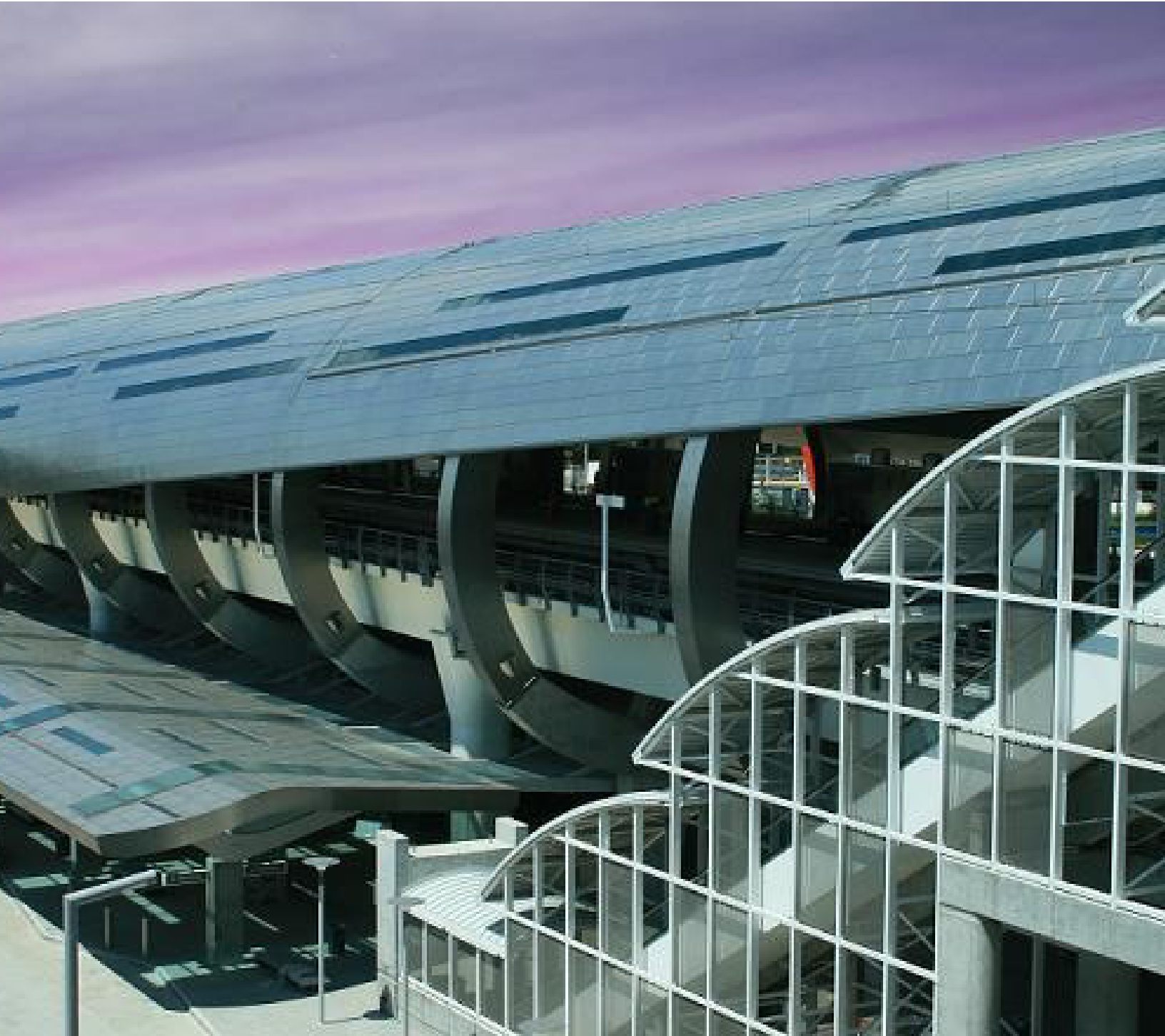


# Florida Technology Transfer Quarterly

A Traffic Engineering and Workforce Safety Training Update



Florida Transportation Technology Transfer Center



Volume 28, Number 3  
August 2013

**Miami-Dade Transit's Award Winning AirportLink Project**

Turn to Page 4 to read about all of this year's FACERS Award Winners



Florida Transportation Technology Transfer Center

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## Mark Your Calendars

<b>August 16–Sept 2</b>	<b>Drive Sober or Get Pulled Over National Crackdown</b> — NHTSA <a href="http://nhtsa.gov/drivesober">nhtsa.gov/drivesober</a>
<b>September 15–21</b>	<b>Child Passenger Safety Week National Seat Check Saturday</b> — NHTSA <a href="http://nhtsa.gov/Safety/CPS">nhtsa.gov/Safety/CPS</a>
<b>October 2</b>	<b>Walk to School Day</b> National Center for Safe Routes to School <a href="http://walktoschool.org">walktoschool.org</a>
<b>October 2–6</b>	<b>Drive Safely Work Week</b> Network of Employers for Traffic Safety <a href="http://trafficsafety.org">trafficsafety.org</a>
<b>October 20–26</b>	<b>National Teen Driver Safety Week</b> The Children's Hospital of Philadelphia <a href="http://teendriverssource.org">teendriverssource.org</a>
<b>October 21–25</b>	<b>National School Bus Safety Week</b> National Association of Pupil Transportation <a href="http://napt.org">napt.org</a>

### 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
Ped/Bike Safety Resource Center	EXT. 31680
Occupant Protection Resource Center	EXT. 31671
Mailing List	EXT. 31687
Fax	352.392.3224
Email	<a href="mailto:t2@ce.ufl.edu">t2@ce.ufl.edu</a>
Web	<a href="http://t2ctt.ce.ufl.edu">t2ctt.ce.ufl.edu</a>

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](mailto:t2@ce.ufl.edu). Newsletter content and accuracy is the exclusive responsibility of the Florida T2 Center.

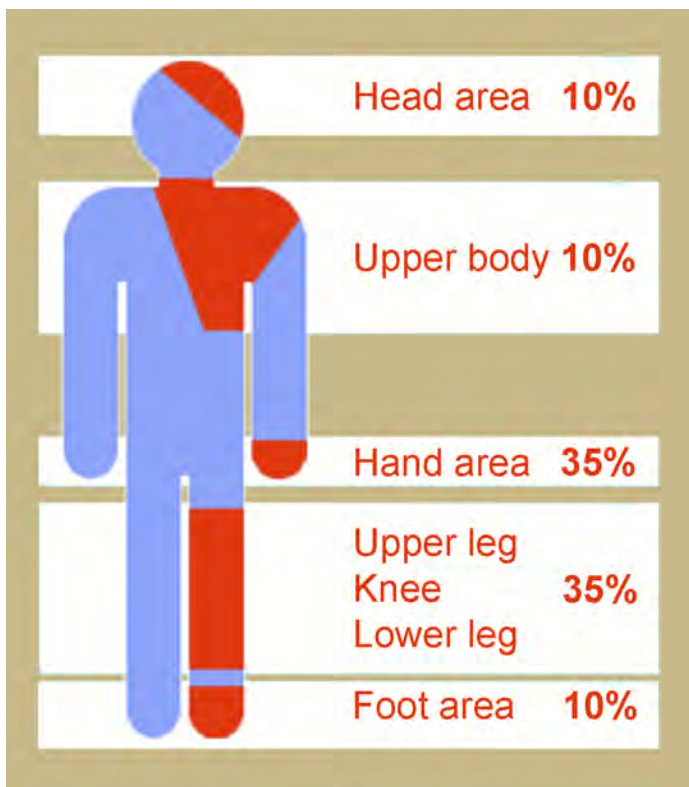
# Chain Saw Safety — Some Important Things to Remember

With hurricane season upon us, the chances of a storm – and the felled trees and downed limbs that go with it – are on everyone's mind. After a storm, many people want to do their own clearing and consider buying or using a chain saw for the first time. How to use a chain saw seems fairly obvious: it starts like a mower, and the saw does the work, at up to 600 teeth per second! Every year, over 40,000 people are injured using chain saws in the U.S. With plenty of professionals available for hire, amateurs should consider carefully whether to tackle felling or clearing tasks. But if you do choose to use a chain saw, learn the correct cutting method for each situation, acquire the proper safety gear, and get a modern chain saw in good working condition. And remember, a chain saw, like any piece of equipment, needs proper care both during and between uses.

The following information is selected from the OSHA Fact Sheet on Working Safely with Chain Saws.

## Prepare the Saw

- Check controls, chain tension, and all bolts and handles to ensure they are functioning properly and adjusted according to the manufacturer's instructions.
- Fuel the saw at least 10 feet from sources of ignition.



- The fuel container must not exceed a 5-gallon capacity, must be metal or plastic, and approved by the Underwriters Laboratory, Factory Mutual (FM), the Department of Transportation (DOT), or other nationally recognized testing laboratory.

## Prepare Yourself — Personal Protective Equipment Requirements

Personal protective equipment (PPE), for the head, ears, eyes, face, hands, and legs are designed to prevent or lessen the severity of injuries to loggers and other users of chain saws.

PPE must be inspected prior to each use to ensure it is in serviceable condition. The following PPE must be used while operating the chain saw:

- Head Protection
- Hearing Protection
- Eye/Face Protection
- Leg Protection
- Foot Protection
- Hand Protection

## Prepare the Cutting Zone

- Clear the area of obstacles that might interfere with cutting the tree or where it will fall.
- Make sure you have a clear retreat path that extends diagonally back and away from the fell line.

## While Running the Saw

- Keep hands on the handles, and maintain secure footing.
- Do not cut directly overhead.
- Shut off or release throttle prior to retreating.
- Shut off or engage the chain brake whenever the saw is carried more than 50 feet, or across hazardous terrain.
- Be prepared for kickback; use saws that reduce kickback danger (chain brakes, low kickback chains, guide bars, etc.).

For a great resource on chain saw safety, visit the University of Minnesota Extension Office website ([extension.umn.edu](http://extension.umn.edu)) and search for Chain Saw. 🍊

◀ Common places for chain saw injuries, according to statistics from the U.S. Consumer Product Safety Commission. Graphic from Florida AgSafe PowerPoint.

## FACERS Awards Winners

Recognizing excellence in Florida's public works agencies

The Florida Association of County Engineers and Road Superintendents (FACERS) recognizes excellent service in Florida's public works agencies. The FACERS awards are the most prestigious professional recognition in Florida for transportation and public works personnel. This year, awards include Public Works Employee of the Year, Urban Engineer of the Year, Small Agency/Rural Agency Engineer of the Year, Local Agency/State Agency Project Collaboration of the Year, and Team Project of the Year.

Visit [facers.org](http://facers.org) for more information. Nominees are not required to be FACERS members.

### Public Works Employee of the Year

**Sharon Strout, Senior Crew Leader**

**Hillsborough County**

**Annual FY 2012 Bridge Repair Program**

In the 2012 fiscal year, Ms. Sharon Strout and her Bridge Team completed 32 projects, including important safety improvements to local bridges, guard rails, pedestrian bridges, and fences. Ms. Strout led the team in implementing various methods to develop a system for cleaning and sealing bridge decks while maintaining continuous traffic flow over the bridges. This innovative system worked so well that it will be carried forward into future projects. As Senior Crew Leader, Sharon works closely with her team to

▼ Sharon Strout (left), Hillsborough County, accepts Public Works Employee of the Year Award from Jonathan Page, PE, FACERS Past President

devise structural solutions for problems reported by public works staff, other county departments, other agencies, and the general public. When Robert Suess, director of the Hillsborough County Transportation Maintenance and Public Works Department, visited a construction site where Sharon was leading a crew of eight concrete-spattered crewmen standing under a bridge up to their ankles in water, he was impressed by her experience and ability to command their attention and gain trust. Mr. Suess praised Sharon for her innate sense of engineering judgment, amazing understanding of construction technology, and natural leadership characteristics, important for her key supervisory role. Under her guidance, the Bridge Team has consistently run a successful method of operation for maintaining and rehabilitating the county's inventory of over 250 bridges. While she would be eager to give the credit to her crew, FACERS proudly presented the Public Works Employee of the Year award to Sharon Strout. Thank you and congratulations on a job well done!

### Urban Engineer of the Year

**John Philip Denninghoff, Director**

**Brevard County Public Works Department**

**A. Max Brewer Bridge Replacement, and Fishing Pier, Titusville, Florida**

John Denninghoff is well liked and trusted among his peers. He is respected for his in-depth knowledge in many areas and is considered a "go-to guy" for all things Public Works. As director of the Brevard County Public Works Department, Mr. Denninghoff coordinated many government agencies to replace the ageing A. Max Brewer Swing Span, the longest in Florida, with a Hi-Rise concrete span over the Indian River Lagoon. Once the project was complete, John worked with the City of Titusville and local private firms to spread the word that the bridge was in the race for the People's Choice Award, a national contest sponsored by the American Association of State Highway and Transportation Officials. His efforts paid off, as the State of Florida took first in the nation out of the ten states that entered, receiving nearly







▲ John Philip Denninghoff (left), Brevard County, accepts Urban Engineer of the Year Award from Jonathan Page, PE, FACERS Past President

half of the overall votes in a tight competition with California. The bridge now serves the community as an important connection between the City of Titusville and Merritt Island, allowing easy access to local attractions, such as the Kennedy Space Center and recreational fishing. For his outstanding work on this award-winning project and his continued service to his department, FACERS proudly presented Urban Engineer of the Year award to John Philip Denninghoff. Thank you and congratulations on a job well done!

### Small Agency/Rural Engineer of the Year

**Rebecca K. Hiers, PE, Engineer III  
Nassau County Public Works  
Closure of West Nassau Landfill**

Construction to cap and close the 53-acre West Nassau Landfill began in July 2011 and the majority of the work was completed by December 2012. Construction was impacted by Tropical Storms Beryl and Debby, which caused extensive damage to the construction

site. Ms. Becky Hiers oversaw not only the recovery of the site from the storms but also the day-to-day construction. Additionally, Ms. Hiers continued to oversee the implementation of the Inward Gradient process at the landfill as well as myriad other FDEP reporting and monitoring responsibilities and managing the Consultant Contract for the landfill. The project was brought in on time and under budget by \$92,500, even after dealing with the tropical storm damage and claims from the contractor, allowing for additional time for the Solid Waste and Recycling Department to operate on the Solid Waste Trust Fund and with lower ad valorem revenues. While Becky did not have an extensive background in solid waste and had only been with Nassau County for a short time, her successful management of this project was a testament to her leadership skills, willingness to take on new tasks, and ability to handle the necessary arrangements to see projects through to completion. In light of these qualities, FACERS proudly presented the Small Agency/Rural Engineer of the Year award to Becky Hiers. Thank you and congratulations on a job well done!

▼ Rebecca K. Hiers, PE (left), Nassau County, accepts Small Agency/Rural Engineer of the Year Award from Jonathan Page, PE, FACERS Past President



## Local/State Collaboration of the Year

### Miami-Dade Transit AirportLink

On July 28, 2012, Miami-Dade Transit officially opened AirportLink to the public. AirportLink is a 2.4-mile elevated Metrorail extension from the existing Earlington Heights Metrorail station to the new Miami International Airport Metrorail station, a multi-level station featuring lush landscaping, an entry plaza, and other passenger amenities, such as art work and special lighting. Providing livable, pedestrian-friendly, transit-oriented station areas is paramount to encourage new riders and reduce dependence on automobile trips. With this goal in mind, the station was planned using an innovative, column-free design

▼ **Albert Hernandez, Assistant Director, Engineering, Planning and Development (left) and Ysela Lort, Director (right), Miami-Dade Transit, accept Local/State Collaboration of the Year Award from Jonathan Page, PE, FACERS Past President**

for an open, airy feel, skylights in the roof canopy to admit natural light during the day, and a reflective roof that keeps the area cooler. The use of fiber-reinforced polymer bars on all plinth pads of the guideway will lengthen the life of the decks.

AirportLink is considered the centerpiece of the People's Transportation Plan, a comprehensive transportation improvement plan that includes both roadway and transit-improvement projects. This new connection has provided a boost to the local economy by creating jobs and facilitating work-related travel, reducing greenhouse gas emissions, and improving travel time by taking vehicles off the roadways. The team at Miami-Dade Transit communicated their schedule, budget, safety, and quality goals to all stakeholders from the very beginning of the project. The team, along with stakeholders and upper management, held weekly progress meetings to address any issues that could impact schedule or revenue operations. The project was funded by \$404.7 million from the People's Transportation Plan (PTP) half-penny







sales surtax and \$101.3 million from the Florida Department of Transportation. Completed on time and on budget, the project is a milestone achievement for the County, and FACERS proudly presented the Local/State Collaboration of the Year award to Miami-Dade Transit. Thank you and congratulations on a job well done!

### Team Project of the Year

#### **Hillsborough County Public Works Department Systems Planning Section Cultural Change and Process Improvement**

In late 2010, the Transportation Maintenance Division (TMD) of the Hillsborough County Public Works Department embarked on a two-phase project of cultural change and process improvement. This ongoing project was initiated to identify opportunities to improve operational efficiencies and re-engineer processes to maximize the effectiveness of the functioning elements of the division.

The first phase identified possible improvements to the planning, organizing, directing, and controlling operations. Phase two focused on implementing the recommendations discovered in phase one, such as selecting a systems tool to automate asset and work management processes. The team also implemented a systematic data-gathering process, began using condition assessments technology, and employed

#### ▲ **Representatives from the Hillsborough County Public Works Department Systems Planning Section with their Team Project of the Year Award**

the latest business practices to optimize division operations. As a result, the TMD now receives fewer complaints and is able to more efficiently serve the public. The changes toward continuous improvement and efficiency have also eliminated work backlog and saved millions of dollars by reducing the resources needed to carry out division operations.

Throughout the improvement process, the team realized that technology and automation are important tools for measuring efficiency and effectiveness. The team applied data to create a culture of accountability, continuous improvement, and positive change. The significant progress was accomplished through the leadership and commitment of Senior Management, the guidance of the Systems Planning Manager, and the hard work and dedication of the members of the Systems Planning group. For these efforts towards improved service and continuous growth, FACERS proudly presented the Team Project of the Year Award to the Hillsborough County Public Works Department Systems Planning Section. Thank you and congratulations on a job well done! 🍊

# 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 Florida organizations. Visit [www.pedbikesrc.ce.ufl.edu](http://www.pedbikesrc.ce.ufl.edu) for descriptions, illustrations, and ordering information.



## "Slow Down" Safety Signs **NEW!**

- Baseball Boy
- Bike Boy
- Roller Girl
- School Girl
- Soccer Girl
- Skateboard Boy

## Educational

- Bike Teaching Kit
- Pedestrian Teaching Kit

## Reflective

- Safety Vest (Adult or Child)
- School Bus Zipper Pull
- Bike, Walk, Run Wristband
- Bike, Walk, Run Child Size Wristband
- Bike, Walk, Run Spoke Sliders

## Stickers

- Use Your Head (Dog) (Bilingual)
- 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!

## CDs

- Safer Journey
- Walk Smart & Bike Smart

## DVDs

- Walk to School – Safe is Cool
- Courtesy Promotes Safety
- Disney Safety Hits Vol. 1
- Disney Safety Hits Vol. 2 (LOAN)
- Florida School Crossing Guard Training Program
- I'm Safe – On Wheels
- I'm Safe – Walk with Me
- Jello in a Jar
- Middle School Helmet Safety Program
- Pedestrian Law Enforcement Training
- Professor Helmut on Helmets
- Ride Smart: It's Time to Start
- Slow Down/Pay Up or Crash

## Other Fun Stuff

- Bike Bell
- Eraselets (Erasing bracelet)
- Light-up Bicycle Magnet Pin (Adult Only)
- SRTS Pedometer
- SRTS Blinking Lights
- 4-Pack Crayola Crayons
- Be Safe Be Seen Mood Pencils

## Bookmarks

- I'm A Safe Walker
- Wear Your Helmet
- You Can't Stop a Train

## Posters

- Be Safe Be Bright, Retro Reflectivity
- Hispanic Pedestrian Poster: Crosswalk and Signals
- Hispanic Pedestrian Poster: Caution
- Hispanic Pedestrian Poster: Sidewalks
- Hispanic Bicycling Poster
- Are You A Safe Walker?
- I'm Safe On My Bike

## Activity Sheets

- Bike Riding Dangers
- I'm Safe! Paint Sheet – Bike \*E/S
- I'm Safe! Paint Sheet – Walk \*E/S
- Paul's A-Maze-ing Trip
- Sara and Her Bike
- Secret Code
- Walk 'n Roll Punch Cards
- What's Wrong with This Picture?

## Books

- Florida Pedestrian Law Enforcement Guide
- Cycling Skills Clinic Guide
- Bicycle Safety
- Cycling Skills Clinic Guide
- Sprocketman Comic Book

## Coloring Books

- Safety Fun (Spanish)
- Traffic Safety
- Practice Bike Safety
- I'm Safe on My Bike
- I'm a Safe Walker

## Brochures

- A Kid's Guide to Safe Walking
- Bicycle Safety: What Every Parent Should Know \*E/S
- Bicyclist Make Safe Choices/ Rules of the Road
- Crosswalk Safety \*E/S
- Easy Steps to Properly Fit a Bicycle Helmet
- EL EQUIPO ADECUADO
- Getting to School Safely
- Kids Physical Activity \*E/S
- Know the Rules – Going To & From School \*E/S
- Neighborhood Safety \*E/S
- Parent's Guide
- PEATÓ & PONGA ATENCIÓN...
- Prevent Pedestrian Crashes
- Road Riders Are Drivers
- Tips for Parents and Other Adults for Teaching Pedestrian Safety to Children \*E/S
- Tips for Walking Safely to School (Spanish)

\*E/S: Available in English and Spanish





# Occupant Protection Resource Center (OPRC) Update

Gaining knowledge and experience to better promote occupant protection in Florida

Though this grant year is in its last quarter, the Occupant Protection Resource Center (OPRC) continues to add new items and processes in efforts to better support Florida Child Protection Seat (CPS) professionals.

Scholarships were added to pay for CPS instructor candidacy and recertification fees from Safe Kids. Instructors can apply through the online Technician scholarship form, and put “instructor candidacy” or “instructor recert” in the course ID section. See the Safe Kids website for certification information on becoming a technician or instructor, then apply to the OPRC if you are in need of payment assistance via this scholarship.

A summary of the 2013 Safe Kids Conference is available on our website ([floridaoprc.ce.ufl.edu](http://floridaoprc.ce.ufl.edu)) under “Links” ▶ “Safety” for those interested in seeing the information gained at the event. The OPRC was able to have an impromptu meeting with most of the Florida CPS professionals at the conference to discuss CPS needs. When instructors were asked to submit car seat fitting events for the website, they responded saying they fit car seats for the public by appointment, so don’t have a date to give. In response, a list of fitting stations was added to the website! See the document under “Links” ▶ “Fitting Stations”. Contact us to add a fitting station that is not listed. This information is especially important for Florida citizens who request information about discounted car seats and were being directed to the “Find a CPS Instructor” link on the website. The fitting station list will be much more beneficial.

Car seats and promotional materials will be available to order through Friday, September 13 and/or while supplies last. Please order by the end of August to ensure availability of the items you want, as quantities are limited. Window clings and the car rescue tools are already out of stock, but are expected to be ordered with the 2014 grant funds.

Want to affect what is purchased next year for promotional items? Submit feedback on our website, which is submitted directly to the FDOT Safety Office to review OPRC services as well as any suggestions for future purchases. We love to see how the OPRC is supporting the community as well! If items from the OPRC have greatly impacted a family through your organization, please let us know!

Below is a list of items currently available to order at no charge through the Promotional Items portion of the website. Visit the website to order, and be sure to check the Printable Resources page (under the Links section), which features a constantly updated list of items you can download and print right from the site. The OPRC would love to hear from you about improvements that can be made to serve you better. Please email [floridaoprc@ce.ufl.edu](mailto:floridaoprc@ce.ufl.edu) or call 352.273.1671 to provide your valued input.

## Stickers

- Be Safe, Buckle Up – 5-point Harness (English)
- Be Safe, Buckle Up – In a Booster \*E/S
- Be Safe, Buckle Up – Moose \*E/S

## Tattoos

- Be Safe Buckle Up
- Pre-teen Car Safety

## Other Fun Stuff

- Lifemeters
- Magnet with OPRC logo
- MyQue Alert

## DVDs

- I’m Safe! in the Car
- 2012 Child Restraint Manufacturers’ Instructions with Summary Sheets \*I/T
- Simple Steps to Child Passenger Safety (Living Legacy) \*I/T

## Publications

- Spanish Flip Book \*I/T
- The LATCH Manual, 2011 Edition \*I/T

\*E/S: Available in English and Spanish

\*I/T: Available to CPS Instructors and Technicians only



## EDC Corner — Florida's Efforts to Promote Innovation

In 2010, the Federal Highway Administration (FHWA) rolled out Every Day Counts (EDC), a state-based program aimed at identifying and deploying innovation across the country. EDC is currently in its second round of initiatives, and this quarter, the focus is on the Locally Administered Federal Aid Projects initiative.

FHWA supports State Transportation Agencies (STAs) by allowing Local Public Agencies (LPAs), such as cities or counties, to administer federal-aid projects. The LPA program, as administered by the states, provides for construction, reconstruction, and improvement of highways and bridges on eligible federal-aid highway routes. Nationwide, this program represents \$6 to \$8 billion dollars, or about 20 percent of the entire federal-aid program.

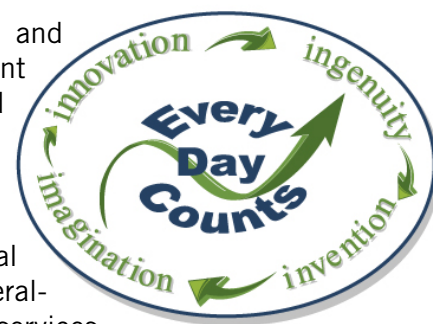
In Florida, FDOT must ensure that programs administered by LPAs remain in compliance for all program requirements, including environmental determination and mitigation, right-of-way procurement, utility relocation, design standards, detailed project management/contract compliance, and quality assurance procedures. Reducing oversight resource needs for these LPA-administered projects is a need that must be met to keep this program operating successfully. Navigating the complex process of obtaining federal aid and meeting all of its requirements can be difficult, time-consuming, and costly.

FDOT is currently evaluating the feasibility of implementing various consultant flexibilities in its Local Agency Program (LAP) as part of the EDC initiative. The options under evaluation include:

- Procure and contract with consultants to provide services to be managed by local agencies

• Procure, manage, and administer consultant services to develop and deliver projects on behalf of or at the direction of the local agency

- Encourage the local agency to establish federal-aid-eligible continuing services contracts.



Discussions among stakeholders, including FDOT, FHWA, Florida Association of County Engineers and Road Superintendents (FACERS), and Florida Institute of Consulting Engineers (FICE), reveal that the adoption of one or all of these options will result in the following benefits:

- Increased compliance with federal and state requirements: Limits LPAs that administer federal-aid projects to those with the demonstrated qualifications and experience for handling projects

- Risk mitigation: Reduces the program accountability risk and ensures projects follow federal regulations and guidelines

- Shortened time and reduced cost: Less costs associated when procuring consultants and developing and delivering projects

The LAP Community of Practice will publish statewide guidance to ensure consistent, predictable, and repeatable results in the area of consultant flexibilities at the conclusion of the FDOT evaluation.

Visit [www.fhwa.dot.gov/everydaycounts/edctwo](http://www.fhwa.dot.gov/everydaycounts/edctwo) and [www.fhwa.dot.gov/accelerating/lpa.cfm](http://www.fhwa.dot.gov/accelerating/lpa.cfm) for more information on this initiative. 🍊

## 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](http://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 352.273.1695, or email [mediacenter@ce.ufl.edu](mailto:mediacenter@ce.ufl.edu) for more information.

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|--|--|
| <ul style="list-style-type: none"> <li>• A Transportation Guide for All-Hazards Emergency Evacuation</li> <li>• Development of a Simple Test to Determine the Low Temperature Strength of Asphalt Mixtures and Binders</li> <li>• Pedestrian and Bicyclist Warning Devices and Signs at Highway-Rail and Pathway-Rail Grade Crossing</li> <li>• Developing Partnerships between Transportation Agencies and the Disability and Underrepresented Communities</li> </ul> | <ul style="list-style-type: none"> <li>• Strategic Plan to Optimize the Management of Right-of-Way Parcel and Utility Information at the Florida Department of Transportation</li> <li>• An Evaluation of the Effectiveness of Voice-to-Text Programs at Reducing Incidences of Distracted Driving</li> <li>• Quality Control/Quality Assurance Testing for Joint Density and Segregation of Asphalt Mixtures</li> <li>• Worker Safety in Very Short Duration Work Zone Operations: State of Practice and Risk Management Process</li> </ul> |
|--|--|



## Upcoming Workshops

Visit [t2ctt.ce.ufl.edu](http://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](mailto:t2workshops@ce.ufl.edu) or call 352.273.1670. For CTQP courses, email [ctt@ce.ufl.edu](mailto:ctt@ce.ufl.edu) or call 352.273.1669. We look forward to serving you. Training on *your* terms.

### Advanced Maintenance of Traffic

August 21–23, 2013	Sarasota
August 26–28, 2013	Sarasota
September 3–5, 2013	Milton
September 10–12, 2013	Gainesville
September 17–19, 2013	Tallahassee
October 1–3, 2013	Panama City
October 8–10, 2013	Orlando
October 15–17, 2013	Crestview
October 15–17, 2013	Jacksonville
October 29–31, 2013	Gainesville
October 29–31, 2013	Temple Terrace

### Advanced Maintenance of Traffic – Refresher

September 5, 2013	Milton
September 12, 2013	Gainesville
September 19, 2013	Tallahassee
October 3, 2013	Panama City
October 10, 2013	Orlando
October 17, 2013	Crestview
October 17, 2013	Jacksonville
October 31, 2013	Temple Terrace
November 7, 2013	Gainesville

### Asphalt Mix Design

October 1–4, 2013	Gainesville
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### Asphalt Paving Level 1

August 27, 2013	Temple Terrace
September 17, 2013	Chipley
October 8, 2013	Davie

### Asphalt Paving Level 2

August 28–30, 2013	Temple Terrace
September 18–20, 2013	Chipley
October 9–11, 2013	Davie

### Asphalt Plant Level 1

September 4–6, 2013	Gainesville
November 4–6, 2013	Gainesville

### Asphalt Plant Level 2

October 29–31, 2013	Gainesville
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### Drilled Shaft Inspection

September 23–25, 2013	Orlando
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### Earthwork Construction Inspection Level 1

September 24–25, 2013	West Palm Beach
October 15–16, 2013	Chipley

### Earthwork Construction Inspection Level 2

September 26–27, 2013	West Palm Beach
October 17–18, 2013	Chipley

### FDOT Concrete Field Inspector Specification

September 9–11, 2013	Cape Coral
September 9–11, 2013	Chipley
October 21–23, 2013	Gainesville

### Final Estimates Level 1

September 10–11, 2013	West Palm Beach
September 17, 2013	Gainesville

### Final Estimates Level 2

September 10–11, 2013	West Palm Beach
September 18–19, 2013	Gainesville

### Intermediate Maintenance of Traffic

August 28–29, 2013	Fort Myers
August 28–29, 2013	Temple Terrace
September 3–4, 2013	Orlando
September 17–18, 2013	Pompano Beach
September 19–20, 2013	Jacksonville
September 25–26, 2013	Crestview
September 25–26, 2013	Punta Gorda
October 2–3, 2013	Fort Myers
October 7–8, 2013	Cape Coral
October 9–10, 2013	Tallahassee
October 15–16, 2013	Sarasota
October 22–23, 2013	Milton
October 22–23, 2013	Pompano Beach
October 23–24, 2013	Gainesville
November 6–7, 2013	Orlando
November 6–7, 2013	Palm Coast
November 6–7, 2013	Panama City

### Intermediate Maintenance of Traffic – Refresher

August 27, 2013	Fort Myers
August 27, 2013	Temple Terrace
September 4, 2013	Pompano Beach
September 18, 2013	Jacksonville
September 24, 2013	Crestview
September 24, 2013	Punta Gorda
October 1, 2013	Fort Myers
October 8, 2013	Tallahassee
October 10, 2013	Pompano Beach
October 21, 2013	Milton
October 22, 2013	Gainesville
November 5, 2013	Orlando
November 5, 2013	Palm Coast
November 5, 2013	Panama City

### Nuclear Density Gauge Safety and HazMat

October 14, 2013	Chipley
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### Pile Driving Inspection

August 27–29, 2013	Orlando
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### Pilot/Escort Flagging

August 28–30, 2013	Brooksville
September 4, 2013	Double Springs
September 5, 2013	Gainesville
September 12–13, 2013	Brooksville
September 16, 2013	Panama City
October 3, 2013	Gainesville
October 22, 2013	Orlando
November 7, 2013	Gainesville

### Quality Control Manager

September 12–13, 2013	Cape Coral
September 12–13, 2013	Chipley
September 19–20, 2013	Davie
October 24–25, 2013	Gainesville



## Florida T2 Center's Search for a New Director Continues

Be on the lookout for updated information coming soon in a separate email.



**Florida Transportation Technology Transfer Center**  
University of Florida Engineering School of  
Sustainable Infrastructure & Environment  
2100 NE Waldo Road, Suite 106  
Gainesville, FL 32609

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## FDOT Summary of Final Research Reports New topics available!

Access [dot.state.fl.us/research-center](http://dot.state.fl.us/research-center) for these summaries and final reports. Click Completed Research in the lower left corner of the page under Most Requested. Summaries are listed by category.

### Environmental Management

- Seagrass Mitigation Site Modeling and Assessment (BDK75 977-14)

### Geotechnical

- Detection of Sinkholes or Anomalies Using Full Seismic Wave Fields (BDK75 977-66)

### Maintenance

- Development of Risk Models for Florida's Bridge Management System (BDK83 977-11)

### Materials

- Key Royale Bridge Five-Year Evaluation (BDK75 977-52)
- Pilot Project for Maximum Heat of Mass Concrete (BDK75 977-47)

### Public Transportation

- Analysis of Movable Bus Stop Boarding and Alighting Areas (BDK80 977-23)
- Forecasting Paratransit Services Demand: Review and Recommendation (BDK85 977-34)

- Integrating Transit with Road Pricing Projects (BDK85 977-43)
- Quantifying the Benefits of the Florida Transit Research Inspection Procurement Services (TRIPS) Program (BDK85 977-31)
- Recommendations for Yield-to-Bus Traffic Control Devices and Bus Pullout Bays Design Characteristics (BDK85 977-33)
- Tracking Cost of Alternatively Fueled Buses in Florida – Phase II (BDK85 977-38)

### Surveying and Mapping

- Strategic Plan to Optimize the Management of Right-of-Way Parcel and Utility Information at FDOT (BDR74 977-03)

### Traffic Engineering and Operations

- Synthesis of the Advance in and Application of Fractal Characteristics of Traffic Flow (BDK80 977-25)
- Demonstration of the Applications of Traffic Management Center Decision Support Tools (BDK80 977-24)
- Evaluation of Disconnect Boxes and Signal Heads for Hurricane Resistance (BDK75 977-65)

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