

FDOT's Bicycle & Pedestrian Focused Initiative



SAFETY DOESN'T HAPPEN BY ACCIDENT.

ALERT TODAY
FDOT
ALIVE TOMORROW

**WHEN DRIVING, WALKING,
OR BICYCLING...
PAY ATTENTION.
READ THE SIGNS.
LEARN THE RULES.**

AVOID DISTRACTIONS. 🚗 🚶 🚲
🚗 **STOP BEFORE TURNING RIGHT ON RED.**
🚶 **USE THE SIDEWALK AND CROSSWALKS.**
🚲 **BICYCLE PREDICTABLY, WITH TRAFFIC.**

Funded by the Florida Department of Transportation

AlertTodayFL www.AlertTodayFlorida.com AlertTodayFlorida

Brenda Young, PE
Passenger Operations Manager, FDOT District 5

Agenda



- Background of initiative, why it's needed
- What FDOT is doing
- Resources and what you can do

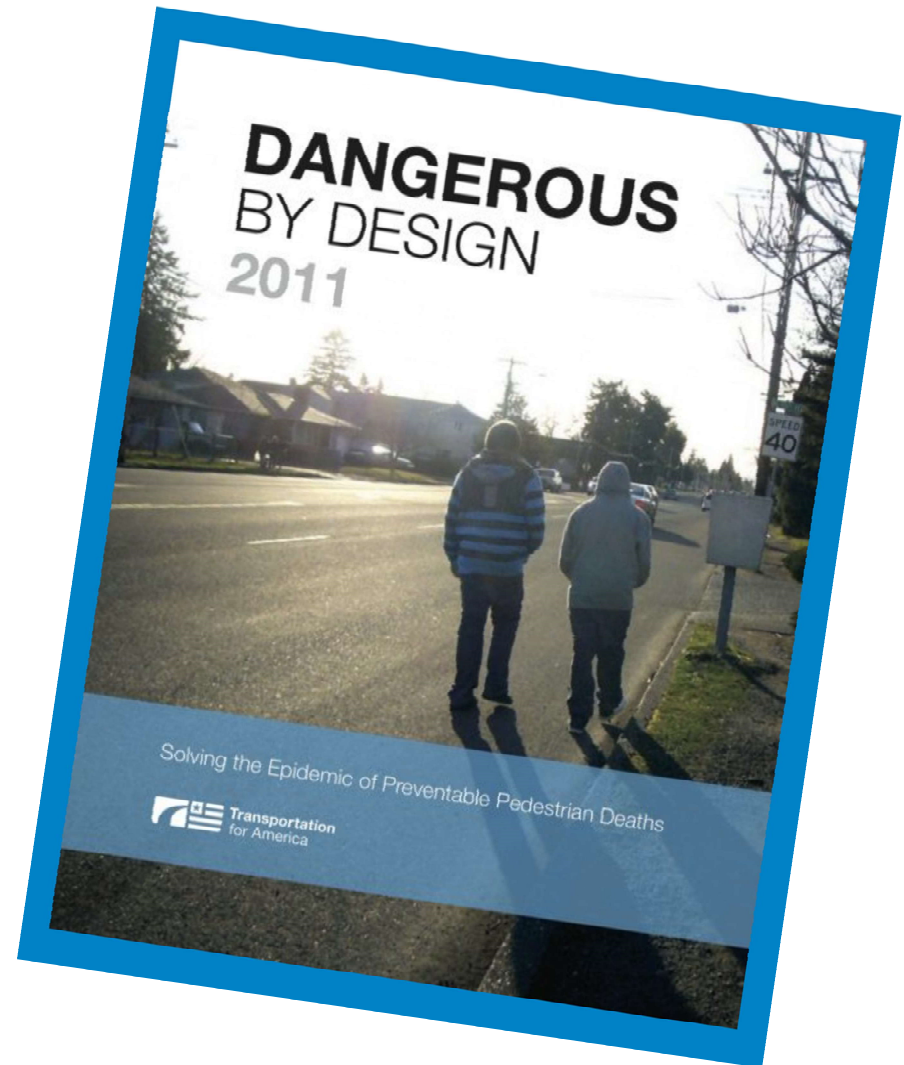


Background and Need

FDOT's Pedestrian Safety Initiative

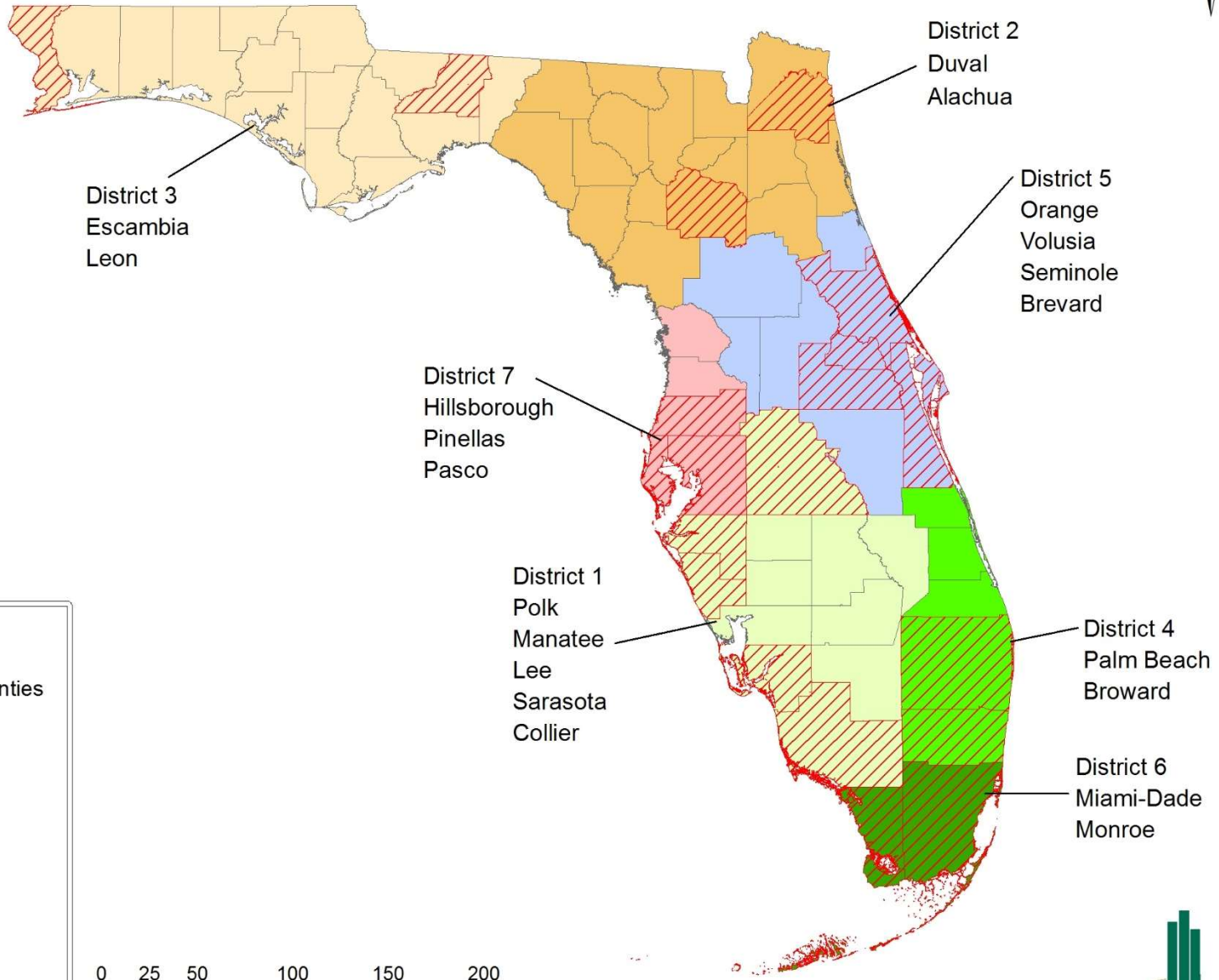


- Dangerous by Design National Publication
- Secretary Ananth Prasad...
“Being #1 in pedestrian fatalities and serious injuries is NOT where Florida wants to be.”



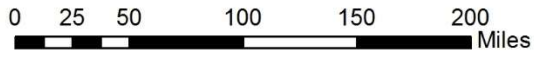


2016 Pedestrian and Bicycle Focused Initiative Top 20 High Priority Counties

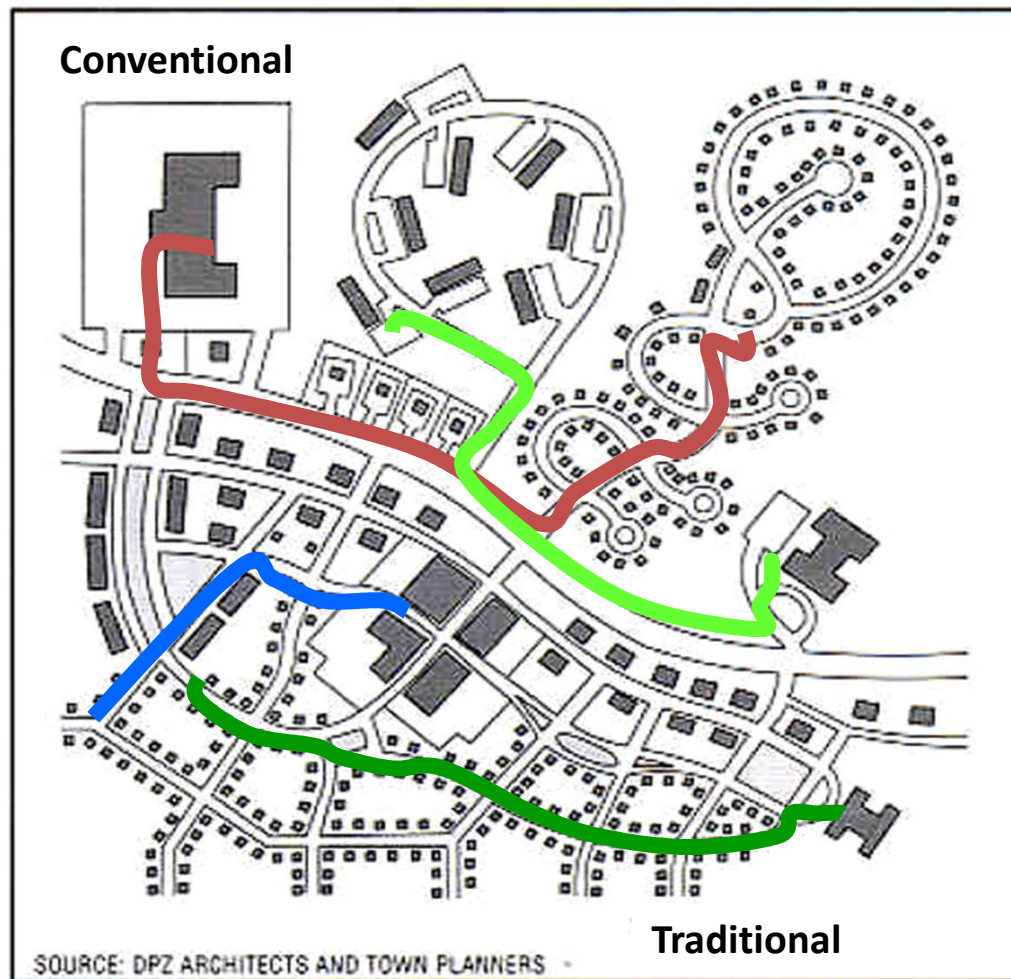


Legend

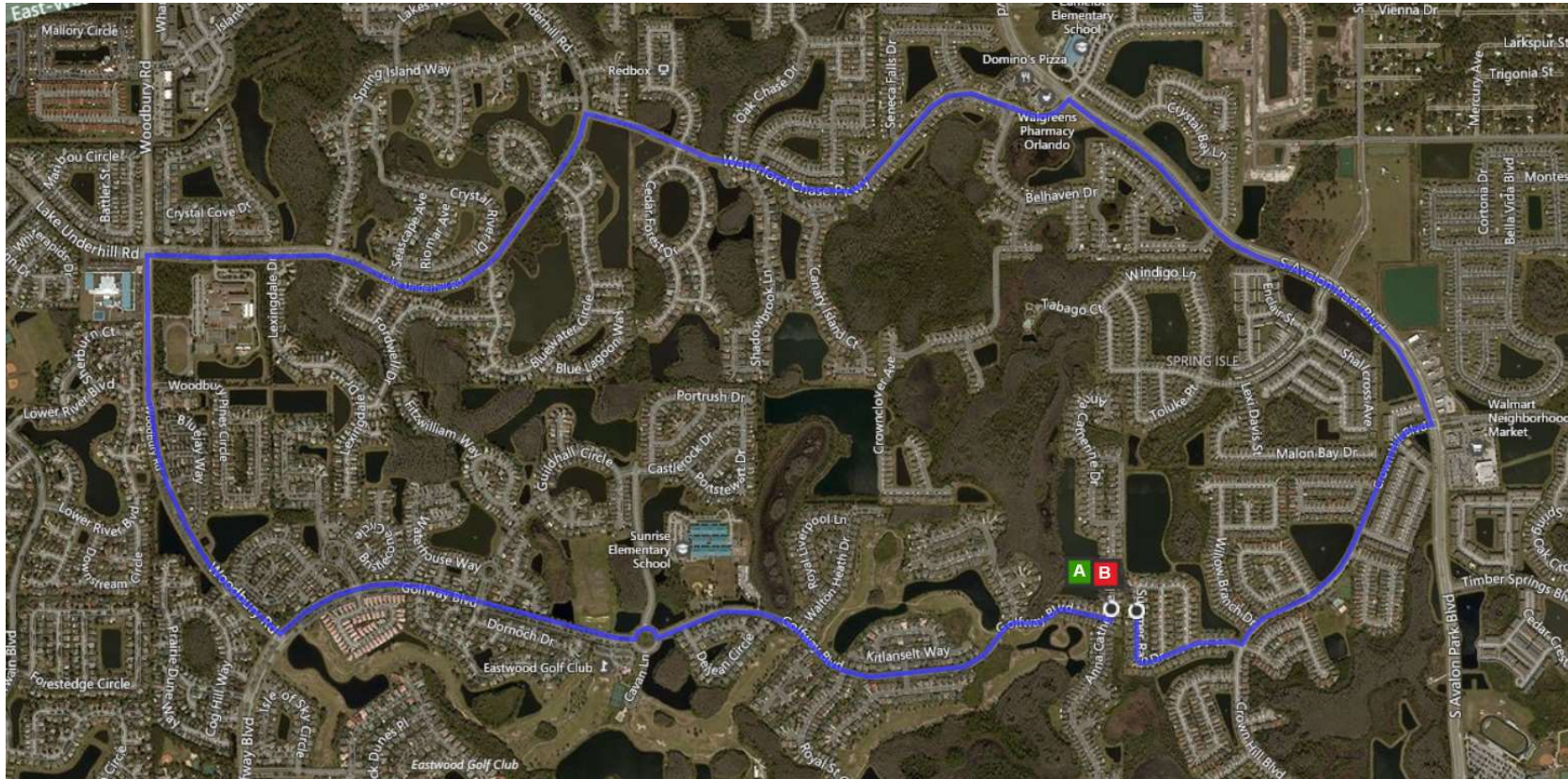
- Top 20 Counties
- D1
- D2
- D3
- D4
- D5
- D6
- D7



Land Development Patterns



Land Development Patterns



1585 Anna Catherine Dr, Eastwood Park, Orange County, FL
13415 Summer Rain Dr, Avalon Park, Orange County, FL

7.1 mile drive, yet only 70' apart



Florida Department of Transportation

Development Patterns



Traditional - Small Blocks/Street Network

Baldwin Park, Orlando, FL



- 1,100 Acres
- 250 Acres of Lakes
- **32 Street Connections**
- 14,000 Residents
- 125 Businesses
- Mixed Use
- Publix, CVS
- 20 Neighborhood Parks
- “A” Rated Schools
- 50 miles of Trails
- Single Family
- Town Homes
- Apartments
- Condominiums
- Live/Work

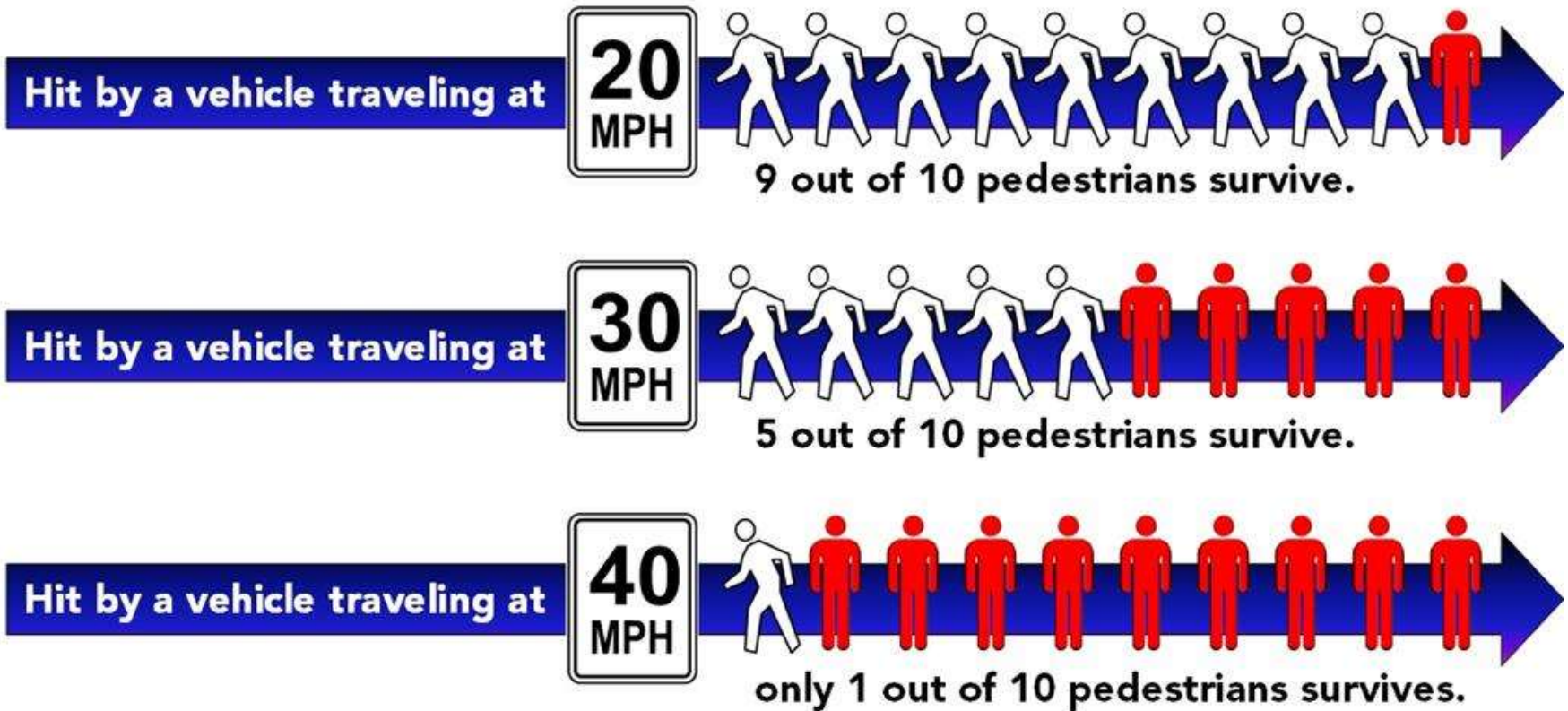
Land Development Regulations



Roadway Infrastructure



Speed and Pedestrian Fatalities



Speed Management and Driver Expectation

- The normal range of design lane width is 9-12'.
- Lane widths substantially less than 12 feet are considered adequate for a wide range of volume, speed and other conditions.
- There is less direct evidence of a safety benefit associated with wider lanes in urban areas.

AASHTO - A Guide for Achieving Flexibility In Highway Design

Speed Management



Robinson St, Orlando, FL



Speed Management



Robinson St, Orlando, FL



Speed Management



Central Ave, Orlando, FL

What FDOT is Doing

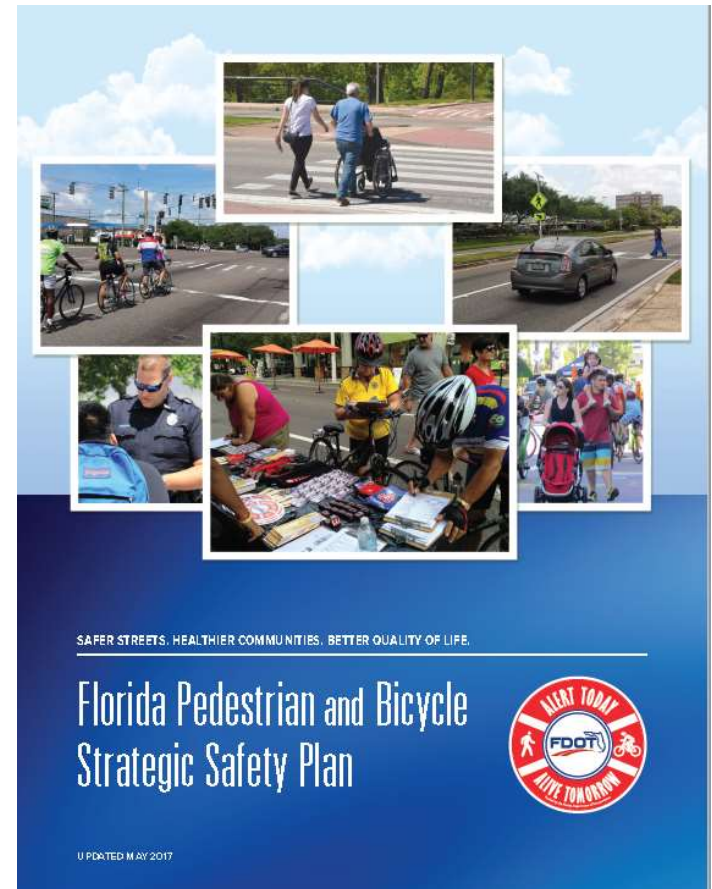


Florida Department of Transportation

The Focused Initiative Launch



- National Highway Transportation Safety Administration: assessed Bike/Pedestrian Safety
- Began Statewide Focused Initiative
- Florida Pedestrian and Bicycle Strategic Safety Plan





Media Campaign

Alert Today/Alive Tomorrow Safety Campaign

<http://alerttodayflorida.com/>



Complete Streets Policy/Implementation



Florida Department of Transportation

RICK SCOTT
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

ANANTH PRASAD, P.E.
SECRETARY

POLICY

Effective: September 17, 2014
Office: Design Director
Topic No.: 000-625-017-a


COMPLETE STREETS

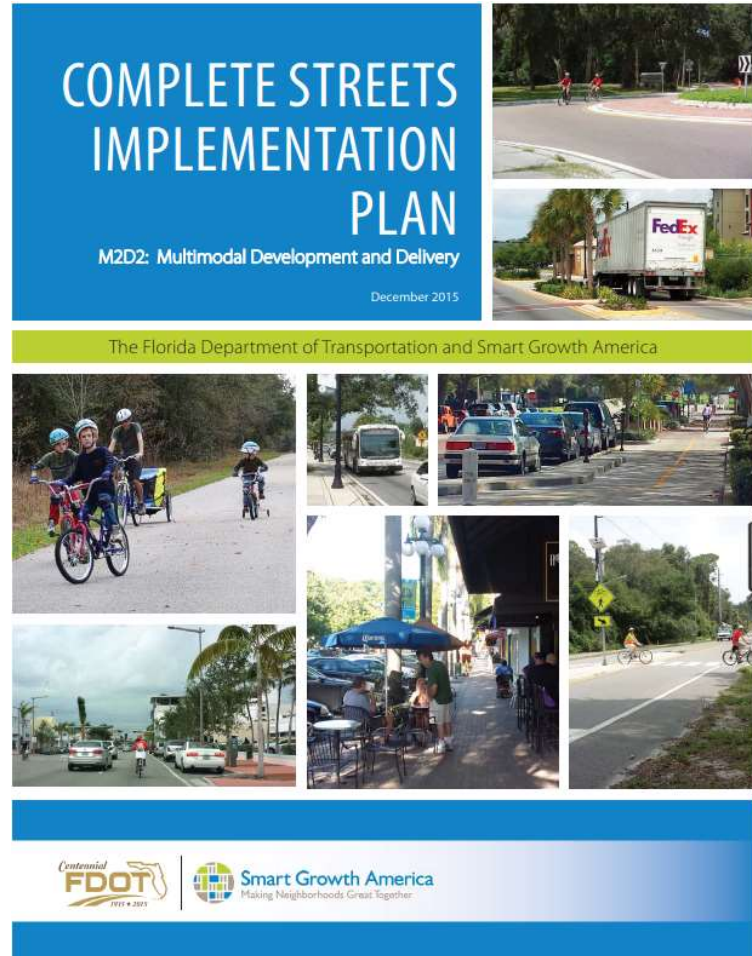
It is the goal of the Department of Transportation to implement a policy that promotes safety, quality of life, and economic development in Florida. To implement this policy, the Department will routinely plan, design, construct, reconstruct and operate a context-sensitive system of "Complete Streets." While maintaining safety and mobility, Complete Streets shall serve the transportation needs of transportation system users of all ages and abilities, including but not limited to:

- Cyclists
- Motorists
- Transit riders
- Freight handlers
- Pedestrians

The Department specifically recognizes Complete Streets are context-sensitive and require transportation system design that considers local land development patterns and built form. The Department will coordinate with local governments, Metropolitan Planning Organizations, transportation agencies and the public, as needed to provide Complete Streets on the State Highway System, including the Strategic Intermodal System.

This **Complete Streets Policy** will be integrated into the Department's internal manuals, guidelines and related documents governing the planning, design, construction and operation of transportation facilities.


Ananth Prasad, P.E.
Secretary



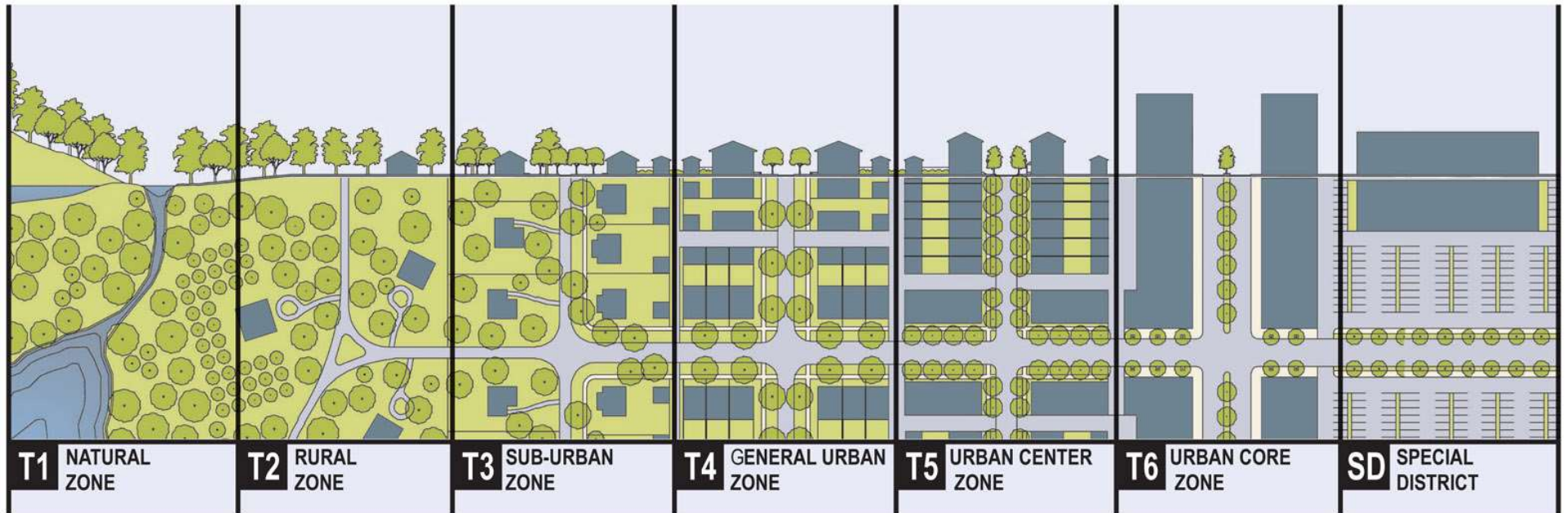
The cover of the report features a blue header with the title "COMPLETE STREETS IMPLEMENTATION PLAN" in white, bold, sans-serif font. Below the title, it reads "M2D2: Multimodal Development and Delivery" and "December 2015". The background of the cover is a collage of images showing various transportation modes: a person on a bicycle, a FedEx truck, a bus, a car, and a person walking. A green banner at the bottom of the cover reads "The Florida Department of Transportation and Smart Growth America". At the bottom of the entire graphic, there are logos for "Centennial FDOT 1911 • 2021" and "Smart Growth America Making Neighborhoods Great Together".

Complete Streets Implementation Plan

Five-part implementation framework:

1. Revising guidance, standards, manuals, policies, and other documents
2. Updating decision-making processes
3. Modify approaches for measuring performance
4. Managing internal and external communication and collaboration during implementation
5. Providing ongoing education and training

Define the Context



Transect Zones, Smart Code

FDOT Draft Context Zones

FDOT Draft Land Use Context Zones

NCHRP Zones	FDOT Zones	Description
Rural	C1	Natural Zone
	C2	Rural Zone
Rural Town	C2T	Rural Town
Suburban	C3R	Suburban Residential Zone
	C3C	Suburban Commercial Zone
Urban	C4	General Urban Residential Zone
	C5	Urban Center Zone
Urban Core	C6	Urban Core Zone



Resources and What You Can Do



Complete Street– Land Use and Transportation

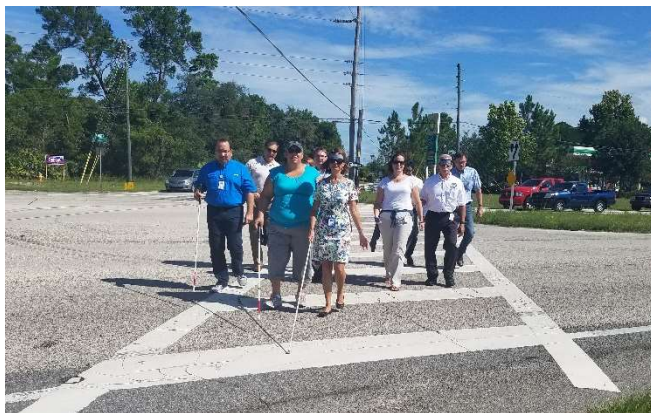


Training - Industry

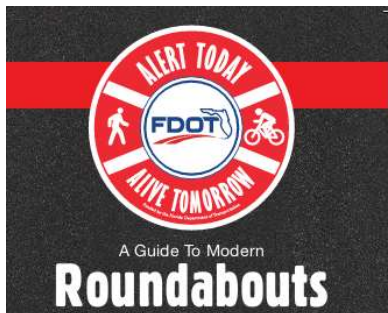


FHWA Focus State

- Conducting Road Safety Audits
- Designing for Pedestrian Safety
- Roundabout Design



Public Education Materials



RECTANGULAR RAPID-FLASH BEACON (RRFB)



HOW TO USE THE PEDESTRIAN HYBRID BEACON	
DRIVERS	
SEE THIS	DO THIS
	GO!
FLASHING 	SLOW DOWN (Pedestrian has activated the push button)
	Prepare to STOP
	STOP! For Pedestrian
FLASHING 	STOP! Proceed with Caution if Clear



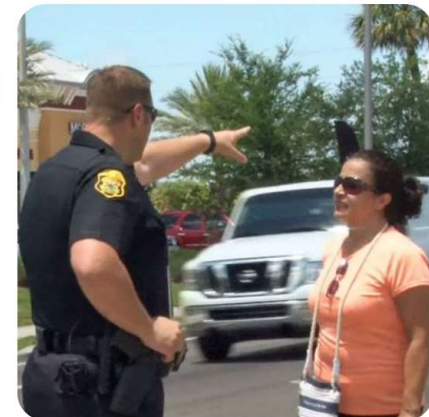
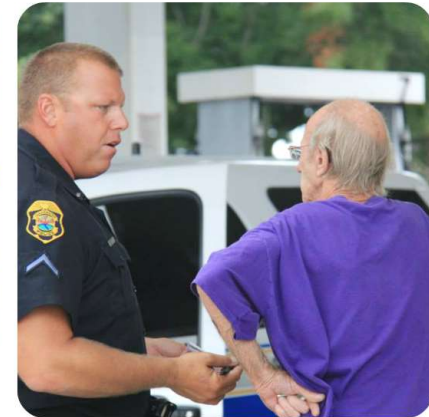
<http://www.alerttodayflorida.com/>

Enforcement



Providing High Visibility Enforcement Funding:

In high priority areas for bicycle and pedestrian safety



<http://www.alerttodayflorida.com/>

D1: David Wheeler

David.Wheeler@dot.state.fl.us

863-519-2378

D2: Jerry Ausher

Jerry.Ausher@dot.state.fl.us

904-360-5630

D3: Michael Lewis

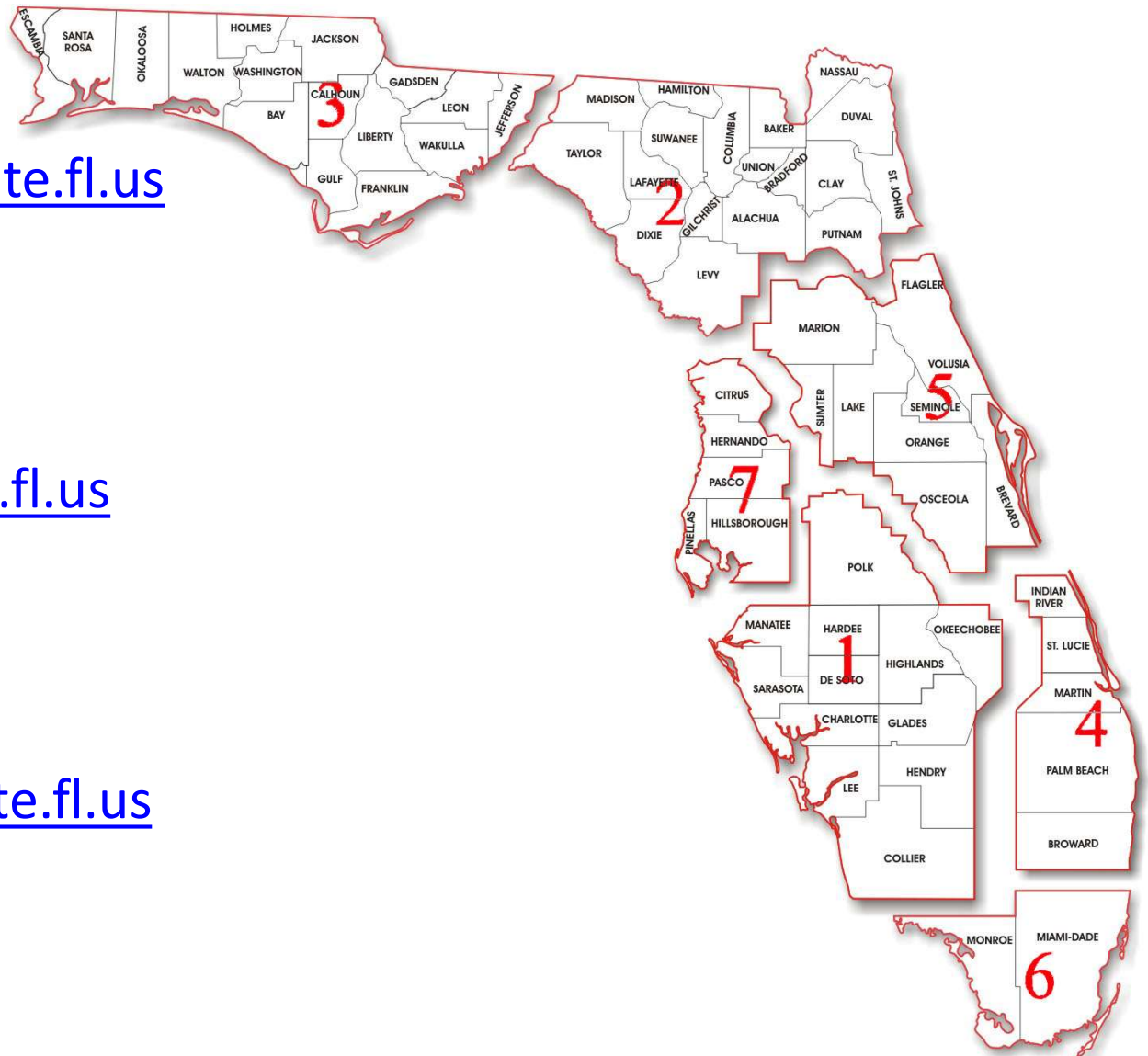
Michael.Lewis@dot.state.fl.us

850-330-1266

D4: Lisa Maack

Lisa.Maack@dot.state.fl.us

954-717-2253



FDOT District Champions
Your connection to resources!

D5: Brenda Young

Brenda.Young@dot.state.fl.us

386-943-5195

D6: Elizabeth Stacey

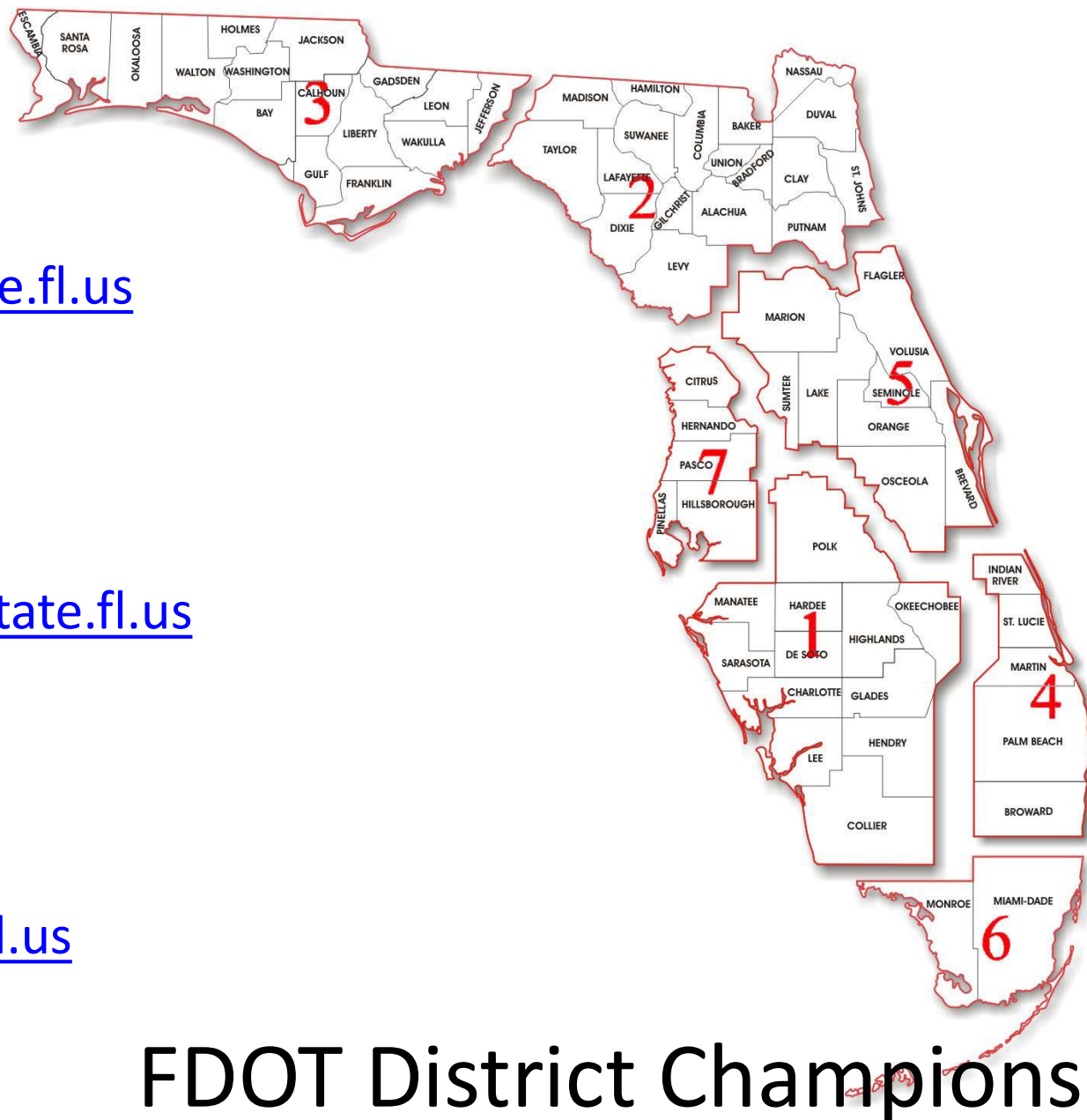
Elizabeth.Stacey@dot.state.fl.us

305-470-5308

D7: Alex Henry

Alex.Henry@dot.state.fl.us

813-975-6256



FDOT District Champions
Your connection to resources!



Florida Department of
TRANSPORTATION



Secretary Boxold...“Addressing the issue of bicycle and pedestrian safety requires a comprehensive approach. We have to change the way we design and engineer our roads, we have to improve our education efforts, and clarify our traffic laws.”

Brenda Young, PE

Passenger Operations Manager, FDOT District 5

Brenda.young@dot.state.fl.us 386-943-5195



Resources

- Alert Today/Alive Tomorrow
 - <http://alerttodayflorida.com/>
- Complete Streets Policy & Implementation
 - <http://www.flcompletestreets.com/>
- Context Based Bicycle/Pedestrian Facilities
 - <http://www.dot.state.fl.us/rddesign/BikePed/Default.shtm>
- Promotion of Modern Roundabouts
 - <http://www.dot.state.fl.us/rddesign/Roundabouts/Default.shtm>
- Guidance for Road Diets on State System
 - <http://www.dot.state.fl.us/rddesign/CSI/Files/Lane-Elimination-Guide-Part2.pdf>

FDOT Pedestrian Lighting Initiative

Top Twenty Signalized Intersections with Highest Nighttime Pedestrian Crashes:

- Crash Data from 2008 – 2012
- 95% of Intersections Had Some Form of Lighting
- 62% of Total Pedestrian Crashes Occurred at Night
- 42% of the Existing Lights Needed to be Relamped due to Age



Mid Block Crossings



Rectangular Rapid Flashing Beacon (RRFB)



Pedestrian Hybrid Beacon (HAWK)