FDOT Complete Streets Initiative

Billy L. Hattaway, PE
District One Secretary
FDOT’s Pedestrian Safety Initiative

• Dangerous by Design (2011, 2014)
• Orlando, Tampa, Jacksonville, Miami-Ft. Lauderdale
• Former Secretary Ananth Prasad... “Being #1 in pedestrian fatalities and serious injuries is NOT where Florida wants to be.”
The Launch

• NHTSA panel of experts: assessed Bike/Pedestrian Safety.

• NHTSA conducted “Pedestrian 101” training for all focused initiative team members.

• Developed Florida Pedestrian and Bicycle Strategic Safety Plan

• Alert Today/Alive Tomorrow

http://alerttodayflorida.com/
How We Got Here

Fowler Ave, Tampa
Land Development Patterns

Conventional

Traditional

SOURCE: DPZ ARCHITECTS AND TOWN PLANNERS
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
Land Development Regulations
Supporting the Culture Change

- Training – FHWA Focus State
  - Conducting Road Safety Audits
  - Designing for Pedestrian Safety
  - Roundabout Design

- Complete Streets Schedule
  - Policy Adopted 9/2014
  - Implementation Plan 12/2015
  - Handbook Complete/Training 4/2017
  - Design Manual Complete 11/2017
Supporting the Culture Change

http://www.alerttodayflorida.com/education.html
Complete Streets Website

Centennial FDOT 1915-2015
Florida Department of TRANSPORTATION

Roadway Design

Roadway Design / Complete Streets Implementation
Complete Streets Implementation

Topics
- FINAL Implementation Plan
- Complete Streets Policy

Welcome
The Florida Department of Transportation (FDOT) Complete Streets Policy incorporates context-appropriate roadway designs that accommodate users of all ages and abilities, including cyclists, pedestrians, motorists, transit, and freight.

FDOT recognizes that streets demonstrate business conditions and development.
Driving the Culture Change

- Complete Streets Policy & Implementation

- Context Based Bicycle/Pedestrian Facilities
  - [http://www.dot.state.fl.us/rddesign/BikePed/Default.shtm](http://www.dot.state.fl.us/rddesign/BikePed/Default.shtm)

- Promotion of Modern Roundabouts
  - [http://www.dot.state.fl.us/rddesign/Roundabouts/Default.shtm](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](http://www.dot.state.fl.us/rddesign/CSI/Files/Lane-Elimination-Guide-Part2.pdf)
Roundabouts vs Traffic Circles

Kingston, NY
Modern Roundabouts/Road Diets

Roundabouts are a proven safety solution

• 90 % decrease in the fatal crash rate;
• 75 % decrease in serious injuries;
• 35 % decrease in the total crash rate;
• 75% more efficient than signals

Road Diets are a proven safety solution

• 40% decrease in total crash rate
Safety: Vehicle to Vehicle

8 Conflict Points

- Crossing (0)
- Diverging (4)
- Converging (4)

32 Conflict Points

- Crossing (16)
- Diverging (8)
- Converging (8)
Modern Roundabouts/Road Diets

Gaines St., Tallahassee, FL
Define the Context

Transect Zones, Smart Code
### FDOT Draft Context Zones

<table>
<thead>
<tr>
<th>NCHRP Zones</th>
<th>FDOT Zones</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>Rural</td>
<td>C1</td>
<td>Natural Zone</td>
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<tr>
<td></td>
<td>C2</td>
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<tr>
<td>Rural Town</td>
<td>C2T</td>
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<tr>
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<td>C3R</td>
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<tr>
<td>Urban</td>
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<td>General Urban Residential Zone</td>
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<tr>
<td></td>
<td>C5</td>
<td>Urban Center Zone</td>
</tr>
<tr>
<td>Urban Core</td>
<td>C6</td>
<td>Urban Core Zone</td>
</tr>
</tbody>
</table>
C-4 General Urban

By James Wassell
C-5 Urban Center

By James Wassell
C-6 Urban Core
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
Mixed Use Development

New York Ave, Winter Park, FL
Existing Bike Lane

Winter Park, FL
Shared Travel Lane

Winter Park, FL
7’ Buffered Bike Lane

7’ Bike Lane
Side Path

Orlando, FL
Making a Street Complete

Woodville Hwy, Woodville, FL

Florida Department of Transportation
Johnnie Dodd’s Blvd, Mt. Pleasant, SC

- Citizen/Business Funded
- Created Counter Proposal
- 200’ ROW
- Interchanges Proposed
- Two Way Frontage Roads
- Business Failing
- Road Divided Community
- Commuter Corridor
Making a Street Complete
Making a Street Complete
Making a Street Complete
Making a Street Complete
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Making a Street Complete
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.”

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