Pedestrian and Bicycle Safety Plan

Countermeasures
Educational Strategies
Performance Measures
Pedestrian Crash Density
Bicycle Crash Density
Hot Spots and Corridors Overview
S4
Lake Worth Road at Congress Avenue
S8
Dr Martin Luther King Jr Boulevard at SW 5 Street
Engineering and Enforcement Countermeasures

- Advanced Stop Lines/Bike Boxes
- Bus Stop Treatments
- Shared Lane Markings (sharrows)
- Crossing Islands
- Median Crossings
- Raised Pedestrian Crossings
- Accessible Pedestrian Signals (APS)
- Exclusive Pedestrian Phasing
- Leading Pedestrian Interval

- Flashing Yellow Arrow
- Prohibited Right Turn on Red (RTOR)
- Lane Eliminations/Narrowing
- Lighting and Illumination
- Rectangular Rapid Flashing Beacons (RRFB)
- Pedestrian Hybrid Beacons
- Speed Monitoring Devices
- Visible Enforcement
- Progressive Ticketing
Advanced Stop Lines/Bike Boxes

- **C2: Ocean Boulevard** from Linton Boulevard to Thomas Street (Ocean Boulevard at Atlantic Avenue)
- **C3: Atlantic Avenue** from Military Trail to Ocean Boulevard (Atlantic Avenue at Congress Avenue)

Source: National Association of City Transportation Officials (NACTO)
Bus Stop Treatments

- **S4**: Lake Worth Road at Congress Avenue
- **S6**: Lake Worth Road at Jog Road
- **S8**: Dr Martin Luther King Jr Boulevard at SW 5 Street
Shared Lane Markings (sharrows)

- C3: Atlantic Avenue from Military Trail to Ocean Boulevard (Swinton Avenue to Ocean Boulevard)
Crossing Islands

- **C10: Indiantown Road** from Central Boulevard to Alt A1A (Indiantown Road at Hepburn Avenue)
- **S4: Lake Worth Road** at Congress Avenue
- **S6: Lake Worth Road** at Jog Road
- **S7: Military Trail** at Forest Hill Boulevard
- **S8: Dr Martin Luther King Jr Boulevard** at SW 6 Street
Leading Pedestrian Interval (LPI)

- **C2: Ocean Boulevard** from Linton Boulevard to Thomas Street (Ocean Boulevard at Atlantic Avenue)
- **C3: Atlantic Avenue** from Military Trail to Ocean Boulevard (Atlantic Avenue at Swinton Avenue)
- **C5: Lake Worth Road** from Jog Road to Lakeside Drive (Lake Worth Road at Military Trail)
- **S7: Military Trail** at Forest Hill Boulevard
- **S9: Okeechobee Road** at Military Trail
Flashing Yellow Arrow

- **C5: Lake Worth Road** from Jog Road to Lakeside Drive
- **C6: Military Trail** from Melaleuca Lane to Community Drive
Lane Eliminations/Narrowing

- **(S3):** Boynton Beach Boulevard at Seacrest Boulevard
- **(S8):** Dr Martin Luther King Jr Boulevard at SW 6 Street
Lighting and Illumination

- (C3): Atlantic Avenue from Military Trail to Ocean Boulevard
- (C5): Lake Worth Road from Jog Road to Lakeside Drive
- (C6): Military Trail from Melaleuca Lane to Community Drive
- (C8): U.S. 1 from Okeechobee Boulevard to 45th Street
- (S9) Okeechobee Road at Military Trail
Rectangular Rapid Flashing Beacons (RRFB)

- (C10) Indiantown Road from Central Boulevard to Alt A1A
Pedestrian Hybrid Beacons (PHBs)

(S8) Dr Martin Luther King Jr Boulevard at SW 6 Street
Visible Enforcement

- Boca Raton
- Delray Beach
- Boynton Beach
- Lake Worth
- West Palm Beach
- Riviera Beach
- Belle Glade

Source: BestFootOrlando
Progressive Ticketing

- Delray Beach
- Palm Springs
- Greenacres

1. Educating
2. Warning
3. Ticketing

Source: SafeRoutesInfo.org
Educational and Encouragement Strategies

- Adult Cycling Skills Class
- Driver/Pedestrian Education
- Spanish Language Outreach Campaign
- K-12 Pedestrian and Bicycle Education
- Open Streets Event
- Officer Training
Adult Cycling Skills Class

- Delray Beach
- Palm Springs
- Greenacres
- West Palm Beach
- Jupiter

Source: The League of American Bicyclists
Driver/Pedestrian Education

- Delray Beach
- Palm Springs
- Greenacres
- West Palm Beach
- Jupiter

Source: The League of American Bicyclists
Spanish Language Outreach Campaign

- Palm Springs
- Lake Worth
- Boynton Beach
- Greenacres
- Palm Springs
K-12 Pedestrian and Bicycle Education

- Delray Beach
- Boynton Beach
- Atlantis
- Belle Glade
- Lake Worth
- Greenacres
- Riviera Beach
Evaluation

- Monitoring activity levels
  Bike & Pedestrian County Program
- Monitoring incidents (injuries and fatalities)
  Safety Targets and Performance Measures
Bike & Ped Count Program

- West Palm Beach
- Delray Beach
## Safety Targets and Performance Measures

<table>
<thead>
<tr>
<th>Objective</th>
<th>Current Value (2014)</th>
<th>Annual Reduction from 2014 to 2025</th>
<th>2025 Target</th>
<th>Annual Reduction from 2025 to 2040</th>
<th>2040 Target</th>
<th>Vision</th>
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</thead>
<tbody>
<tr>
<td>Pedestrian injuries</td>
<td>593</td>
<td>4%</td>
<td>400</td>
<td>3%</td>
<td>200</td>
<td>0</td>
</tr>
<tr>
<td>Pedestrian fatalities</td>
<td>35</td>
<td>6%</td>
<td>17</td>
<td>3%</td>
<td>10</td>
<td>0</td>
</tr>
<tr>
<td>Bicyclist injuries</td>
<td>519</td>
<td>4%</td>
<td>350</td>
<td>2%</td>
<td>250</td>
<td>0</td>
</tr>
<tr>
<td>Bicyclist fatalities</td>
<td>6</td>
<td>6%</td>
<td>3</td>
<td>2%</td>
<td>2</td>
<td>0</td>
</tr>
</tbody>
</table>

*Reduce the annual number of…*
<table>
<thead>
<tr>
<th>Initiative</th>
<th>Performance Measure</th>
<th>Data Source</th>
<th>Partners</th>
<th>Current Value (2014)</th>
<th>2025 Safety Target</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reduced pedestrian and bicyclist crash rates in poorly lit areas</td>
<td>Number of intersection lighting improvements at or near hot spots</td>
<td>UBR data compiled from DHSMV</td>
<td>FDOT, Palm Beach County Engineering, and Local Municipalities</td>
<td>133</td>
<td>67</td>
<td>50% reduction</td>
</tr>
<tr>
<td>Reduce juvenile pedestrian injuries</td>
<td>Number of cyclist outreach programs about the benefit of bike lights</td>
<td>MPO Data</td>
<td>League of American Bicyclists, Adult Education Organizations, and American Association of Retired Persons (AARP)</td>
<td>0</td>
<td>5</td>
<td>One class annually for five years</td>
</tr>
<tr>
<td>Conduct road safety audits (RSAs)</td>
<td>Annual number of juvenile pedestrian trauma center admittances</td>
<td>FDOH data</td>
<td>FDOT Community Traffic Safety Team, Palm Beach County School Districts, SafeKids, Palm Beach YMCAs, and WalkSafe</td>
<td>70</td>
<td>35</td>
<td>50% reduction</td>
</tr>
<tr>
<td>Conduct crosswalk safety campaign</td>
<td>Number of children educated through Safe Routes to School Programs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Implement Pedestrian Safety Zones in high pedestrian crash area</td>
<td>Number of pedestrian safety zones implemented</td>
<td>MPO data</td>
<td>FDOT, Palm Beach County Engineering, and Local Municipalities</td>
<td>0</td>
<td>1</td>
<td>one by 2021</td>
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</tbody>
</table>
Safety Targets and Performance Measures

<table>
<thead>
<tr>
<th>Initiative</th>
<th>Performance Measure</th>
<th>Data Source</th>
<th>Partners</th>
<th>Current Value (2014)</th>
<th>2025 Safety Target</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete streets/safety professional education series</td>
<td>Number of workshops conducted per year</td>
<td>MPO data</td>
<td>MPO Consultants, Local Municipalities, and Roadway Maintaining Entities</td>
<td>1</td>
<td>10</td>
<td>one or more classes annually</td>
</tr>
<tr>
<td>Provide bicycle education</td>
<td>Number of commuter skills classes for adult cyclists</td>
<td>MPO data</td>
<td>League of American Bicyclists, Adult Education Organizations, and AARP</td>
<td>0</td>
<td>5</td>
<td>one class annually for five years</td>
</tr>
<tr>
<td>Conduct non-motorized multimodal studies</td>
<td>Number of non-motorized multimodal studies completed that include a hot spot or corridor identified in this plan</td>
<td>MPO Data (Goal #3 of the MPO's 5 Year Strategic Plan)</td>
<td>MPO Consultants, Local Municipalities, and Roadway Maintaining Entities</td>
<td>0</td>
<td>4</td>
<td>2 multimodal studies every 5 years</td>
</tr>
</tbody>
</table>
THANKS!
Any questions?
Median Crossings

- C3: Atlantic Avenue from Military Trail to Ocean Boulevard (Atlantic Avenue at Swinton Avenue)

Source: National Association of City Transportation Officials (NACTO)
Raised Pedestrian Crossings

- S8: Dr Martin Luther King Jr Boulevard at SW 6 Street

Source: National Association of City Transportation Officials (NACTO)
Exclusive Pedestrian Phasing

- **C1: Federal Highway** from Camino Real to Glades Road (Federal Highway at Palmetto Park Road)
- **C3: Atlantic Avenue from Military Trail** to Ocean Boulevard (Atlantic Avenue at Swinton Avenue and NE 5 Avenue)
Accessible Pedestrian Signals (APS)

- S9: Okeechobee Boulevard at Military Trail
Prohibited Right Turn on Red (RTOR)

- **C5: Lake Worth Road** from Jog Road to Lakeside Drive
- **C8: US 1** from Okeechobee Boulevard to 45 Street
Open Streets Events

- Boca Raton
- Delray Beach
- Boynton Beach
- West Palm Beach
Officer Training

- Boca Raton
- Delray Beach
- Palm Springs
- Lake Worth
- Palm Beach
- Jupiter

Source: PedBikeInfo.org
Speed Monitoring Devices

- **C1: Federal Highway** from Camino Real to Glades Road
- **C2: Ocean Boulevard** from Linton Boulevard to Thomas Street
- **C8: US 1** from Okeechobee Boulevard to 45 Street