



PALM BEACH
Transportation Planning Agency

VISION ZERO

ACTION PLAN



TPA Advisory Committee Meetings | March 2019

PURPOSE

Present the Data Analysis Key Findings and the Action Items from the Draft Action Plan



SAFER STREETS VISION



VISION ZERO

VISION ZERO STAKEHOLDER TEAM

ADVISE

- What shapes transportation safety
- What facilities adopting and implementing safety measures

TECHNICAL SUPPORT

- Data ground truthing
- Local context elements

INTERAGENCY COLLABORATION

- Facilitating interagency dialogue
- Establishing a collaborative process for the vision, development, and implementation



TPA VISION ZERO ACTION PLAN

VISION

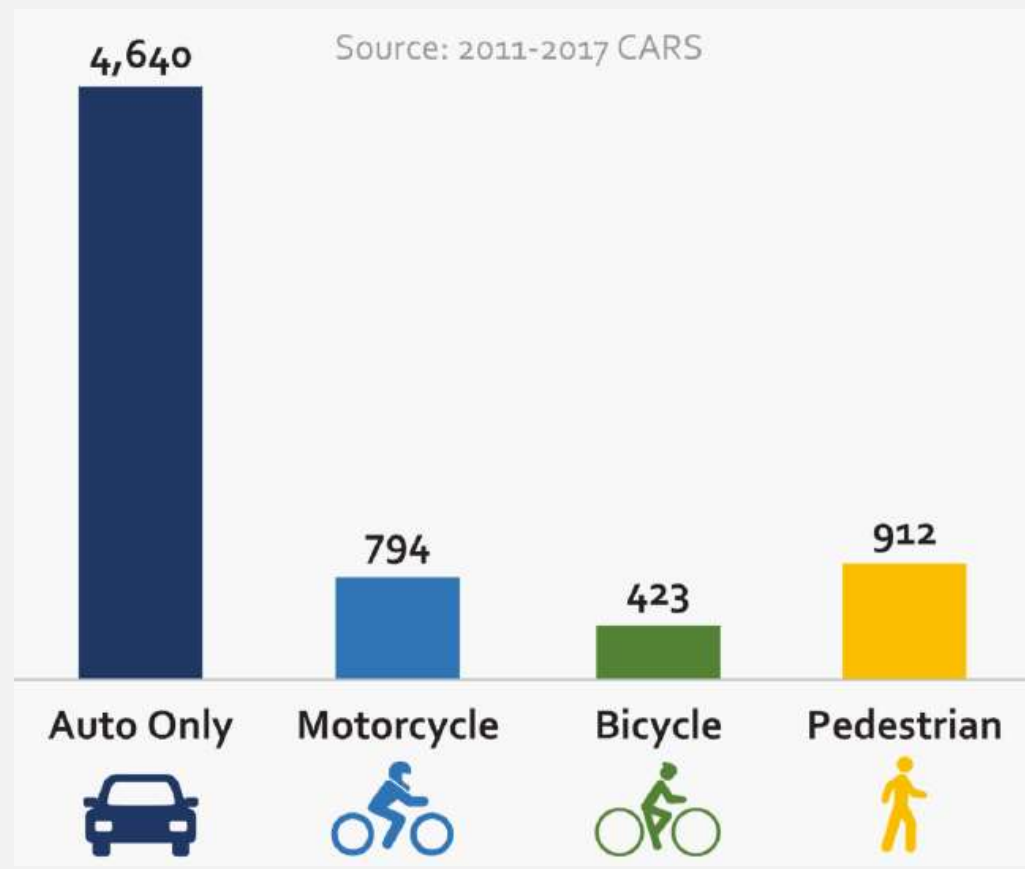
Eliminate traffic-related fatalities and serious injuries in Palm Beach County

GOALS

- Develop a **data-driven decision-making** framework for reducing fatalities and serious injuries by identifying targeted countermeasures.
- Develop **measurable action items** to monitor progress toward Vision Zero.
- **Align with Vision Zero partners** to drive down fatalities and serious injuries towards an ultimate vision of zero.

DATA ANALYSIS

Crashes by Mode



TOTAL FATAL & SERIOUS INJURY CRASHES IN PALM BEACH COUNTY: **6,760**

Fatal & Serious Injuries: Common Themes

- **All Modes:**

- Roadways with 6 or more lanes
- Speed limits 45 mph and higher
- 40% of crashes occurred during non-daylight hours

- **Auto & Motorcycle**

- Near I-95 interchanges
- Lane Departures – 33% Auto/25% Motorcycle

- **Pedestrians & Bicycles**

- Roadways with a high number and/or high activity driveways
- 23% of pedestrian crashes were during dark unlit conditions

Fatal & Serious Injury Common Themes

- **Driver Behavior**

- 16% of all crashes involved alcohol & drugs
- Palm Beach County ranks 7th for impaired driving
- Younger drivers are over-represented in speeding related crashes
- Palm Beach County ranks 3rd for speeding and aggressive driving

ACTION PLAN

POLICY RELATED ACTIONS

1 **Adopt Vision Zero Resolution** affirming commitment and endorsing the Vision Zero Action Plan.

2 **Produce annual vision zero report** to track progress and update actions.

Advocate for change to state laws:

- 3**
- a) Require knowledge of pedestrian, bicycle and motorcycle laws to obtain driver's license and renew every 5 years.
 - b) Regulate distracted driving as primary offense.
 - c) Regulate failure to obey crossing guard as moving violation
 - d) Allow automated speed enforcement/citations.
 - e) Require helmets for all bicyclists and motorcyclists.
 - f) Require a state-issued license to ride bicycle on public roadways-renew every 3 years.

Work with School District of Palm Beach County to require:

- 4**
- a) Safe walking and biking curriculum annually in Elementary Schools
 - b) Driver Education Curriculum in High School

POLICY RELATED ACTIONS CONTINUED

5 **Propose revisions to Florida Design Manual and Florida Greenbook:**

- a) Require setting a target speed based on context classification, not existing speeds.
- b) Create interim TPA formal process for variances/responses related to 5A for roadway owners based on research-backed and nationally accepted practice.
- c) Require local roadway design based on context classification;
- d) Clarify where separated bike lanes are permitted and how to design them.
- e) Revise thresholds for pedestrian crossing treatments at mid-block and unsignalized locations.

6 **Review state, county and city roadway lighting policies** and recommend modifications to enhance safety for all users.

7 **Assist cities to establish Enhanced Penalty Zones** at speeding-related crash locations pursuant to s. 316.1893, F.S.

8 **Create historic and predictive safety analysis** for all current and future projects.

9 **Require historic and predictive crash analysis** during PDE/PE phases for all TPA LRTP Cost Feasible projects (Strategic Intermodal System, Turnpike, and TPA Priority Projects).

FUNDING RELATED ACTIONS

- 1A** Establish a **safety priority list** for projects to be funded with Federal Highway Safety Program funds.
- 1B** Conduct **Highway Safety Plan workshop** to assist locals with identification and evaluation of projects eligible for Federal FSP funds.
- 2A** Fund **roadway and/or pedestrian scale lighting**, with an emphasis on high crash dark/unlit locations.
- 2B** Conduct planning-level **lighting analysis on high crash dark/unlit locations**.
- 2C** Implement **audible pedestrian devices** in high activity locations.
- 2D** Implement **countdown to walk indicators** at high ped crash corridors.
- 2E** Investigate **bicycle detection at signals** along high bicycle crash locations.
- 2F** Investigate **pedestrian detection in crosswalks**.

FUNDING RELATED ACTIONS CONTINUED

- 3 **Share vision zero/safety funding opportunities** via TPA website and newsletter, including High Visibility Enforcement Funding.
- 4 **Work with PBC to implement Right Turn on Red Prohibitions** at high right-turn crash locations.
- 5 **Work with PBC to implement Flashing Yellow Arrow Turn Signals or Protected-only Left-Turns** at high left-turn crash locations.
- 6 **Create standard template to conduct before/after studies** for TPA funded projects.
- 7 **Conduct before/after study of two TPA funded projects.**
- 8 **Collect ped/bike activity data** in high ped/bike crash locations, including pedestrian calls from Palm Beach County and Boca Raton signals.

FUNDING RELATED ACTIONS CONTINUED

- 9 **Formalize process to integrate pedestrian and bicycle counts** into FDOT count website.
- 10 **Work with FDOT to find quick response** (i.e., 2 years) for easily implementable federal/state funded safety projects.
- 11 **Evaluate newly programmed resurfacing projects** annually for Complete Streets and other safety opportunities.
- 12 **Improve visibility of traffic control devices** (e.g., retroreflectivity of signs, larger sign sizes/fonts, reflective pavement markers, lighting).
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CULTURAL RELATED ACTIONS

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| | CULTURAL RELATED ACTIONS |
| 1 | Create interactive map to share vision zero content and solicit safety concerns. |
| 1B | Identify metric to identify high crash locations by crash type with corresponding action items to focus limited investment dollars. |
| 2 | Encourage County and Cities to adopt Vision Zero. |
| 3 | Create "Pledge to Slow Down" and obtain constituent signatures. |
| 4 | Host Vision Zero Workshop for TPA Elected Officials, Stakeholders and Staff |
| 5 | Conduct Peer Exchange Event for TPA staff and other Vision Zero MPO(s). |

CULTURAL RELATED ACTIONS CONTINUED

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| 6 | Distribute content from Safe Mobility for Life at high elderly crash locations. |
| 7 | Distribute content from Florida Motorcycle Safety Coalition at high motorcycle crash locations. |
| 8 | Establish MPOAC membership on the Florida Pedestrian and Bicycle Safety Coalition to improve coordination between FDOT and MPOs. |
| 9A | Establish MPOAC membership on the Florida Traffic Records Coordinating Committee (TRCC) to improve traffic and crash data collection, reporting, and decision-making. |
| 9B | Collaborate with partners to create greater consistency between multiple crash databases, including those owned by PBC, Signal 4, FDOT, and DHSMV. |
| 10 | Support Vision Zero Day in Florida with West Palm Beach, Fort Lauderdale, and Orlando. |

NEXT STEPS

- Address Public Review Comments
- TPA Board Presentation
- Finalize Plan

THANK YOU!

