



# Vision Zero

Town of Lake Park

March 15, 2023





# Vision Zero

A commitment to  
**Zero Traffic  
Fatalities and  
Serious Injuries.**

**Everyone** has the right to move safely in their communities, and that system **designers** and **policy makers** share the responsibility to ensure safe systems for travel.



# Reality



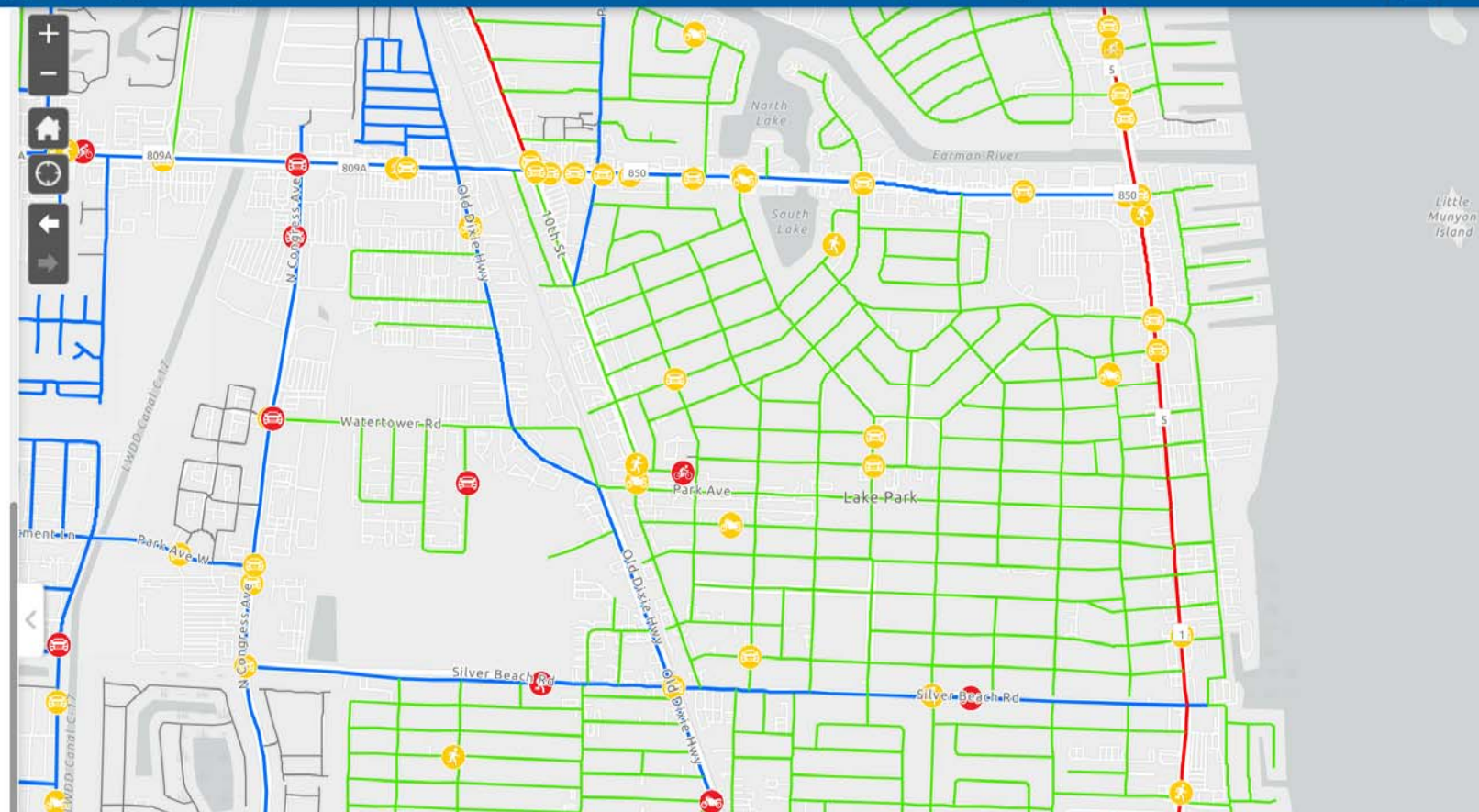
# Fatal & Serious Injury Crashes Town of Lake Park 2016-2021

TPA Mapping

Collaboratively planning, prioritizing and funding a safe, efficient, and connected multimodal transportation system



- Motorcycle - Fatality
- Vehicle - Fatality
- Pedestrian - Severe Injury
- Bicycle - Severe Injury
- Motorcycle - Severe Injury
- Vehicle - Severe Injury
- ☐ Rail Network
- ☐ Frequent Transit Network
- ☐ Transit Hubs
- ☐ Palm Tran Bus Stops
- ☐ Federal Aid Roadways
- ☒ Roadway Ownership
  - LOCAL/CITY
  - COUNTY
  - FDOT
  - PRIVATE
- ☐ Roadway Functional Classification
- ☐ Lane Repurposing Candidates
- ☐ LRTP 2045 Projects





# Vision Zero Principles



Political  
Commitment



Community  
Engagement



Equity



Action Plan



Cooperation &  
Collaboration



Data driven



Multidisciplinary  
Leadership



Systems-based  
Approach



Transparency



# What is Vision Zero?

VISION ZERO NETWORK

[VisionZeroNetwork.org](https://VisionZeroNetwork.org)



## TRADITIONAL APPROACH

Traffic deaths are **INEVITABLE**  
**PERFECT** human behavior  
Prevent **COLLISIONS**  
**INDIVIDUAL** responsibility  
Saving lives is **EXPENSIVE**

VS

## VISION ZERO

Traffic deaths are **PREVENTABLE**  
Integrate **HUMAN FAILING** in approach  
Prevent **FATAL AND SEVERE CRASHES**  
**SYSTEMS** approach  
Saving lives is **NOT EXPENSIVE**

# Safe Systems + Redundancy

## Safe Systems = Safe Mobility



## Proven Safety Countermeasures:

### SPEED MANAGEMENT



Speed Safety  
Cameras



Variable Speed Limits



Appropriate Speed  
Limits for All Road  
Users

### PEDESTRIAN/BICYCLIST



Crosswalk Visibility  
Enhancements



Bicycle Lanes



Rectangular Rapid  
Flashing Beacons



Leading Pedestrian  
Interval



Medians and  
Pedestrian Refuge  
Islands in Urban and  
Suburban Areas



Pedestrian Hybrid  
Beacons



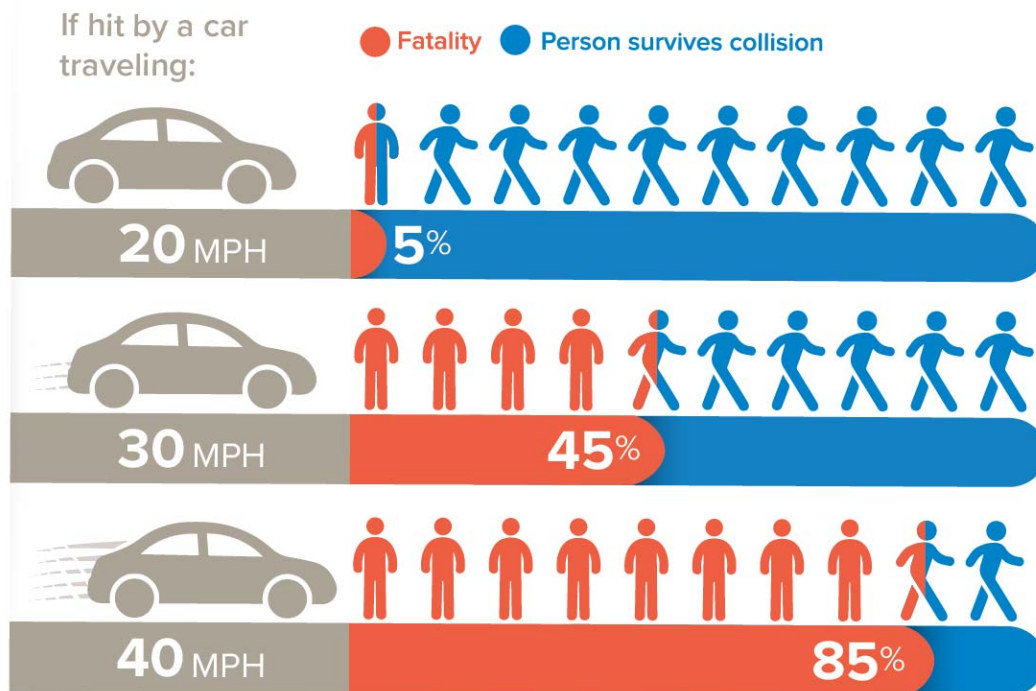
Road Diets (Roadway  
Reconfiguration)



Walkways

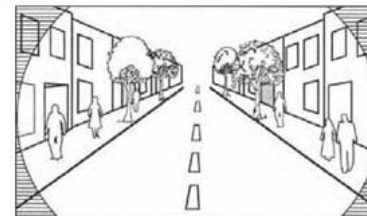
[Safety.fhwa.dot.gov/provencountermeasures](https://safety.fhwa.dot.gov/provencountermeasures)

# Reducing Kinetic Energy (Speed)

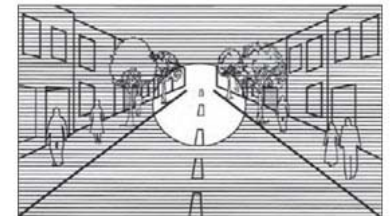


National Traffic Safety Board (2017) Reducing Speeding-Related Crashes Involving Passenger Vehicles.  
Available from: <https://www.nts.gov/safety/safety-studies/Documents/SS1701.pdf>

## WHY SPEED MATTERS

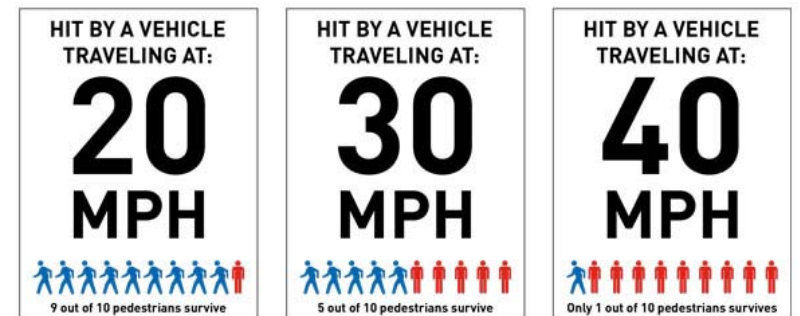


Field of vision at 15 MPH



Field of vision at 30 to 40 MPH

A driver's field of vision increases as speed decreases. At lower speeds, drivers can see more of their surroundings and have more time to see and react to potential hazards.



Speed is especially lethal for vulnerable users like pedestrians and people biking. The risk of injury and death increases as speed increases.



# Why Florida?

Florida ranked #2 most dangerous state for pedestrians  
(previously #1)

## THE TOP 20

Most dangerous metropolitan areas for pedestrians (2016-2020)

● Top 1-10 ● Top 11-20

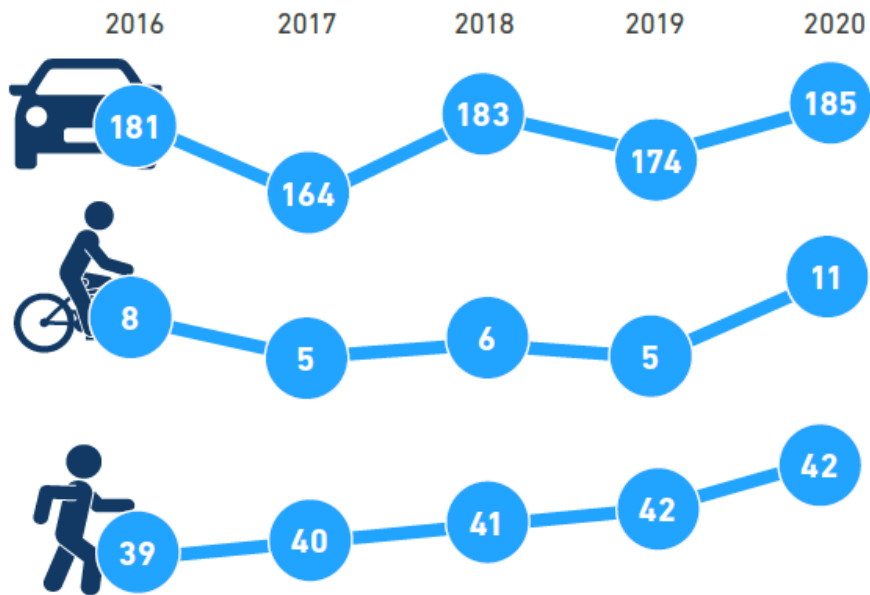


Smart Growth America Dangerous by Design 2022



# Palm Beach County – Vision Zero

## Palm Beach County Fatalities



FDOT Signal 4 Data

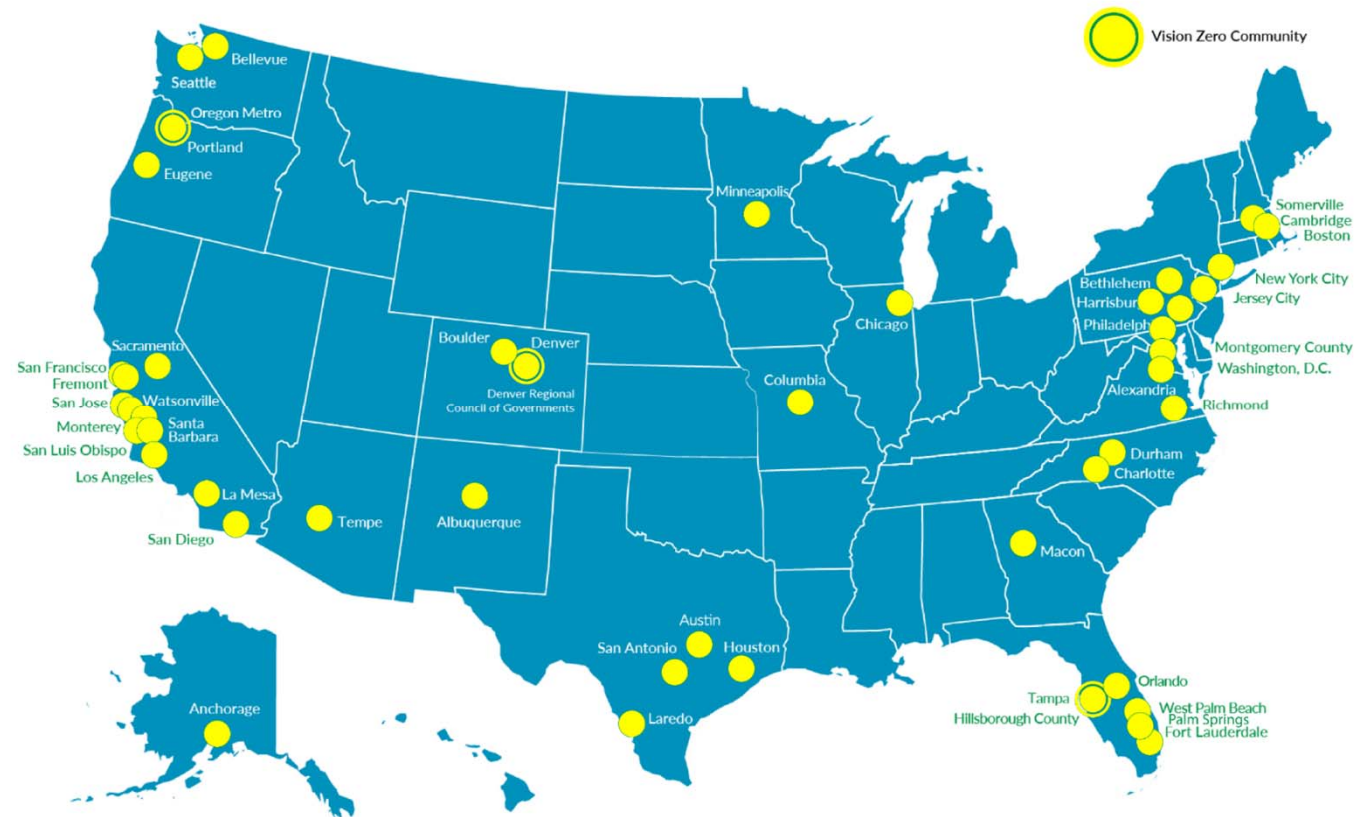


[PalmBeachTPA.org/Safety](https://PalmBeachTPA.org/Safety)

- **Resolution**
- **Data**
- **Funding**
- **Resources**

# Vision Zero Communities

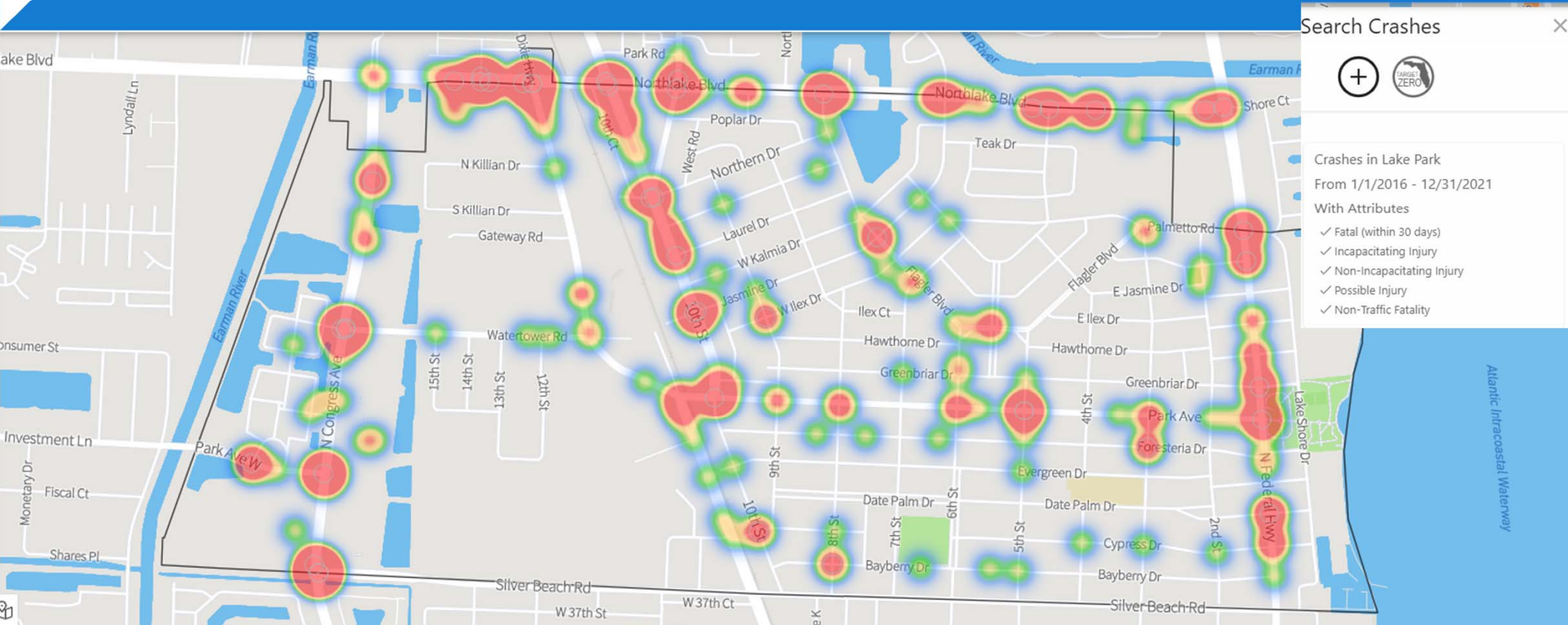
1. Belle Glade
2. Boynton Beach
3. Delray Beach
4. Greenacres
5. Juno Beach
6. Jupiter
7. Lake Worth Beach
8. Palm Springs
9. West Palm Beach
10. Wellington
11. West Lake



Map Date: November 2020, Courtesy Vision Zero Network



# All Traffic Crashes in Lake Park 2016-2021



# Vision Zero Next Steps

- ✓ *Adopt Local Vision Zero Resolution*
- Develop Local Action Plan
- Create Local Task force
- Learn more & stay informed:
  - [PalmBeachTPA.org/Safety](http://PalmBeachTPA.org/Safety)
  - [VisionZeroNetwork.org](http://VisionZeroNetwork.org)
- Seek Grant Funding Opportunities:
  - [PalmBeachTPA.org/Funding](http://PalmBeachTPA.org/Funding)
  - [AlertTodayFlorida.com/HVE](http://AlertTodayFlorida.com/HVE)
  - [Transportation.gov/SS4A](http://Transportation.gov/SS4A)



**1. BUILD A  
ROBUST DATA  
FRAMEWORK**



**2. SET  
MEASURABLE  
GOALS WITH  
A CLEAR  
TIMELINE FOR  
IMPLEMENTATION**



**3. BE  
ACCOUNTABLE**



**4. ENSURE  
TRANSPARENCY**

**VISION ZERO NETWORK**

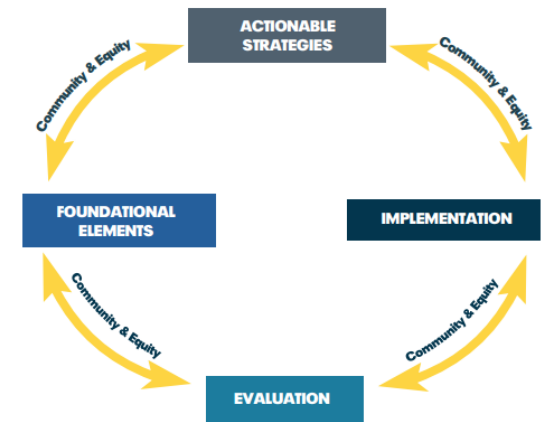
**Vision, Strategies, Action:**  
Guidelines for an Effective  
Vision Zero Action Plan

December 2017

# Creating a Vision Zero Action Plan

## Foundational Elements

## Actionable Strategies





# TPA Grant Funding Programs

**PALM BEACH**  
Transportation  
Planning Agency



**STATE ROAD MODIFICATIONS**  
Total Funds: ~\$20.4M/Year  
Funding Range: \$500K-\$5M  
Eligible On State Roads  
Project Examples:

- Complete Streets
- Traffic Calming
- Intersection Modifications

**LOCAL INITIATIVES**  
Total Funds: ~\$20M/Year  
Funding Range: \$250K-\$5M  
Eligible On Federal-Aid Roads  
Project Examples:

- Complete Streets
- Transit Capital
- Freight Efficiency

**TRANSPORTATION ALTERNATIVES**  
Total Funds: ~\$3.3M/Year  
Funding Range: \$250K-\$1M  
Eligible On and Off Roads  
Project Examples:

- Pedestrian & Bicycle Facilities
- Safe Routes to School
- Safety-Related Infrastructure

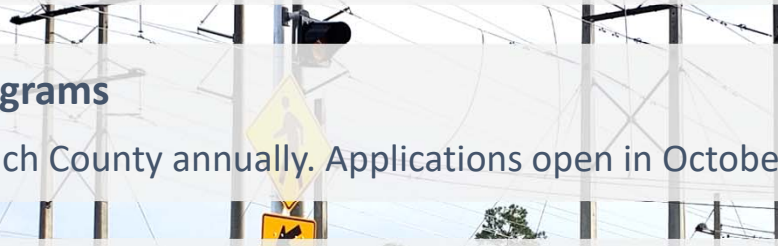
**[PalmBeachTPA.org/Funding](http://PalmBeachTPA.org/Funding)**

# Funding Opportunities (tools)

S | S  
4 | A

## Safe Streets and Roads for All (SS4A) Grant Program

\$1 Billion in US for FY 2023. Cycle Opening in April.



## TPA Funding Programs

\$28 M in Palm Beach County annually. Applications open in October 2022.



## Highway Safety Improvement Program (HSIP)

\$157 M annually for Florida. Prioritized by FDOT.



## Local and Regional Project Assistance (RAISE) grants

\$1.5 B in US for FY 2022. Information TBD.

# Questions?



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[www.palmbeachtpa.org/safety](http://www.palmbeachtpa.org/safety)