



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



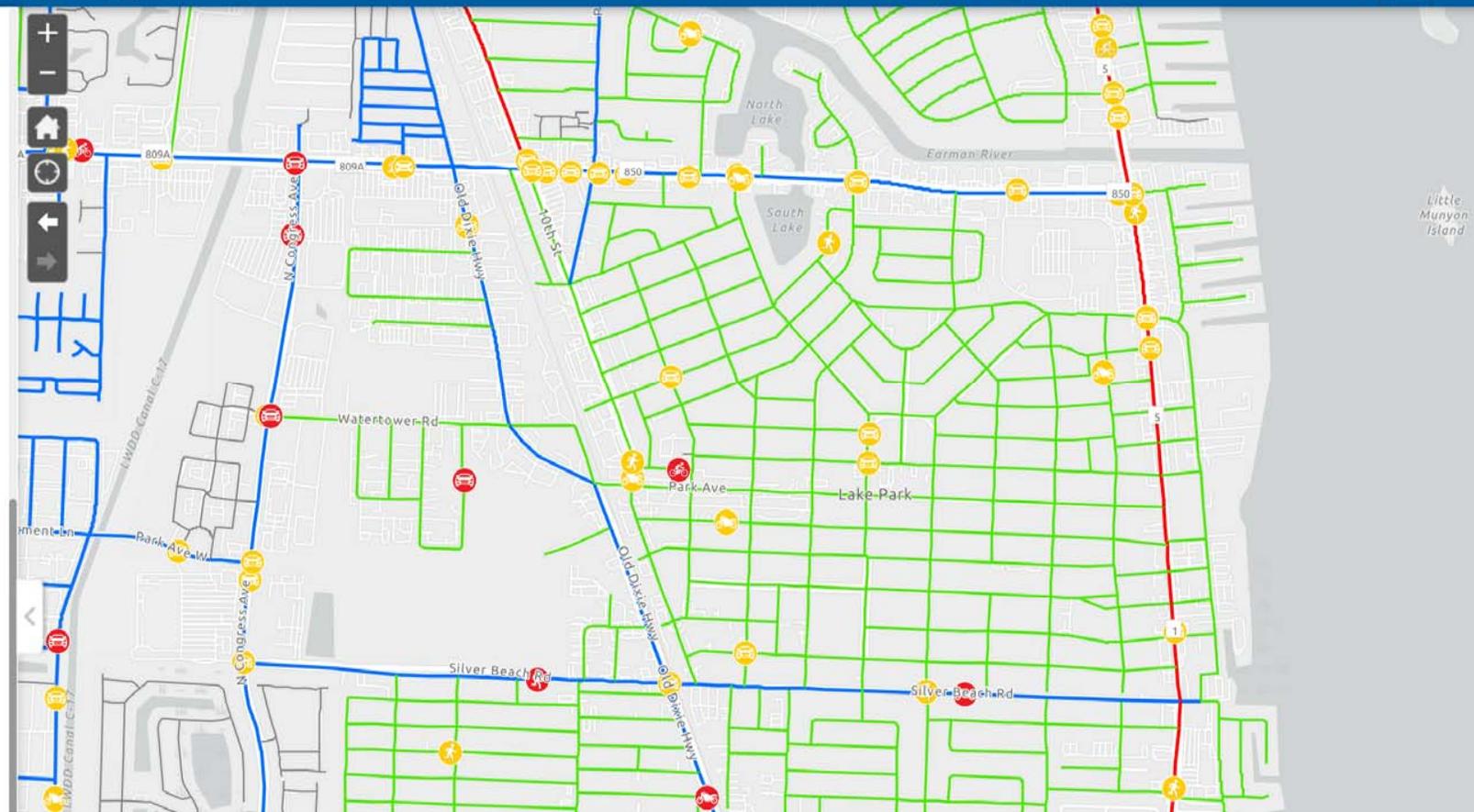
Fatal & Serious Injury Crashes Town of Lake Park 2016-2021

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://www.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)



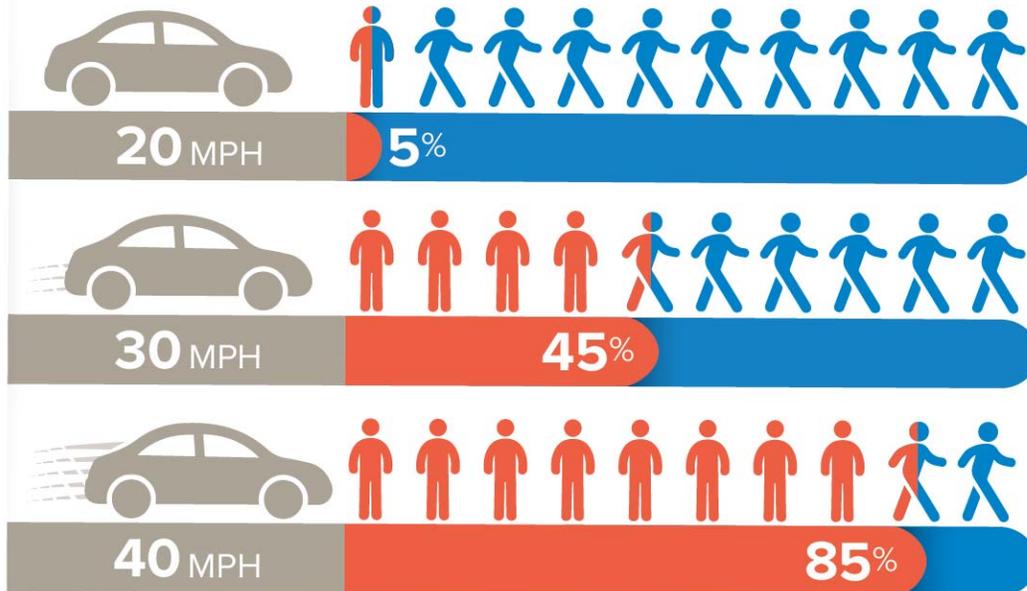
Walkways

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

Reducing Kinetic Energy (Speed)

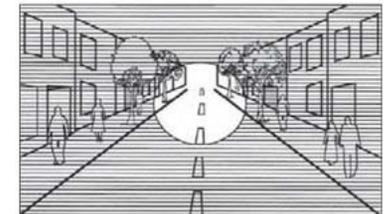
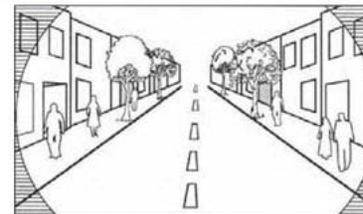
If hit by a car traveling:

● Fatality ● Person survives collision



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

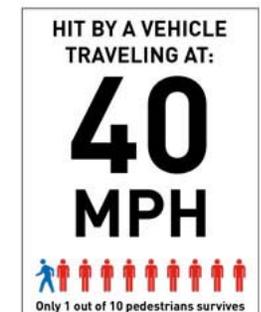
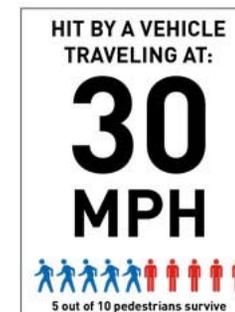
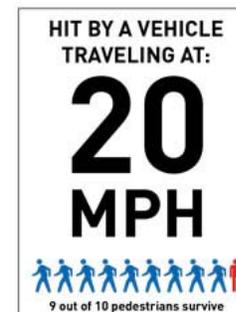
WHY SPEED MATTERS



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

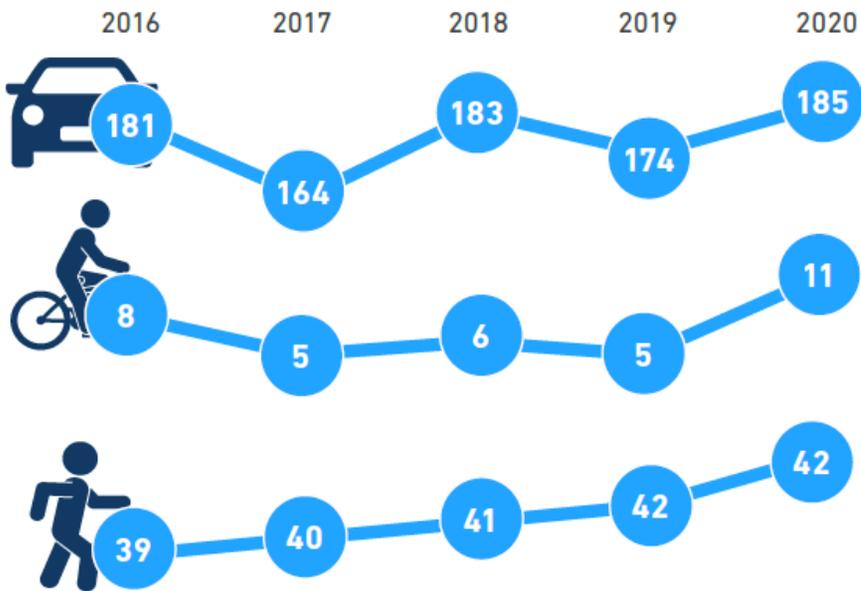


Smart Growth America Dangerous by Design 2022



Palm Beach County – Vision Zero

Palm Beach County Fatalities



FDOT Signal 4 Data

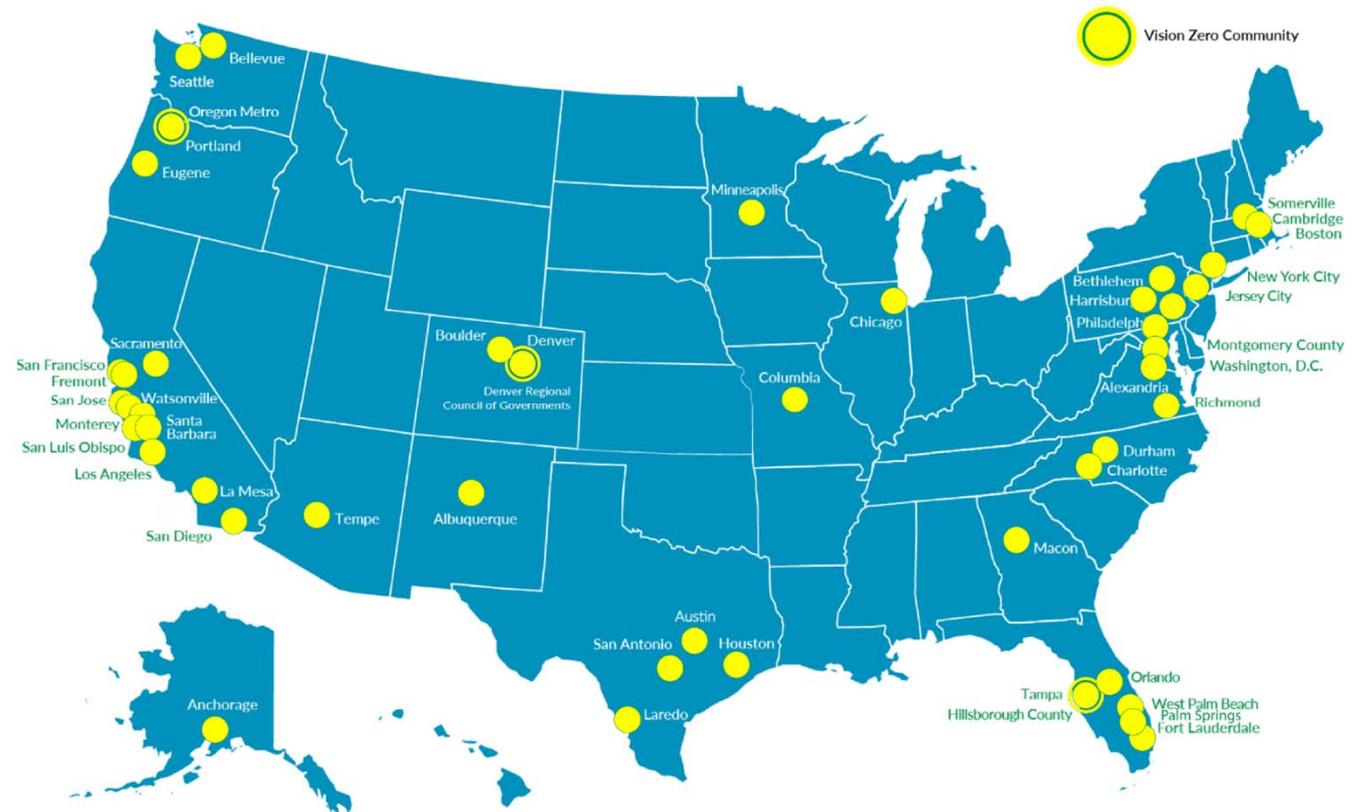


PalmBeachTPA.org/Safety

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

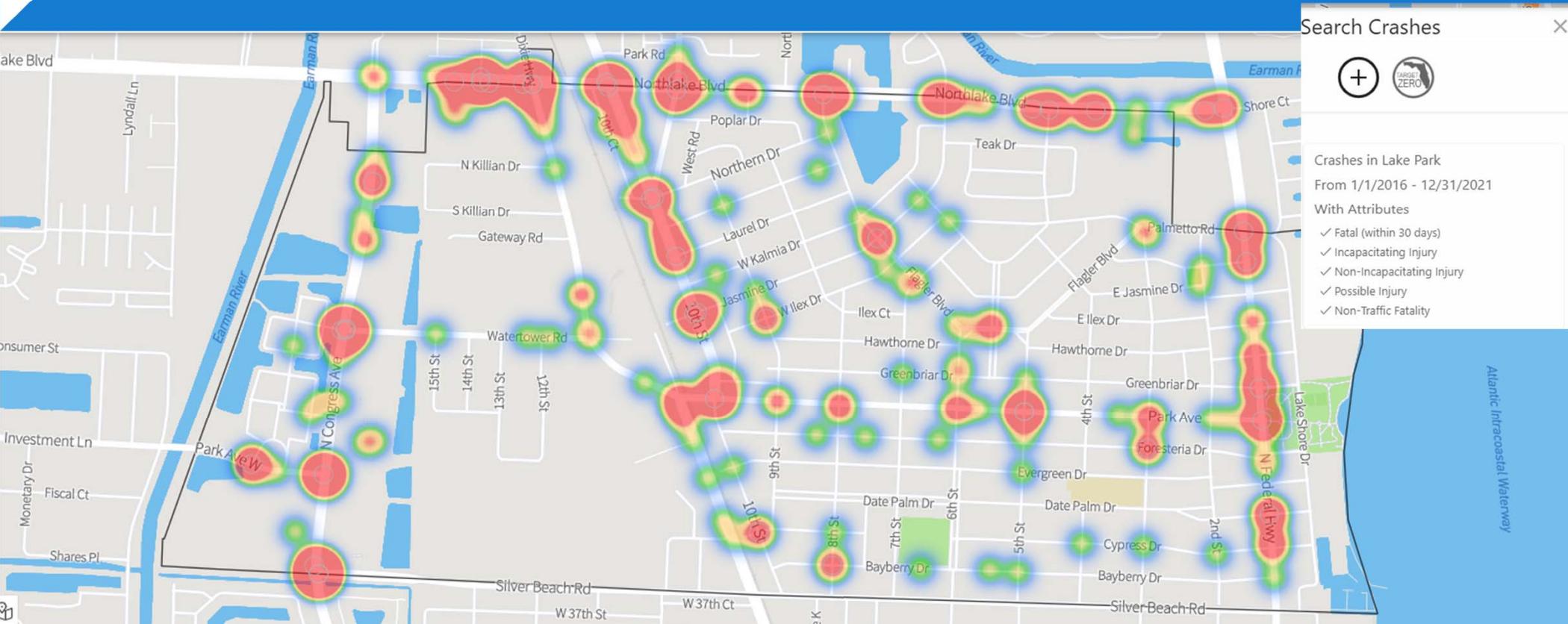
Vision Zero Communities

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
 - VisionZeroNetwork.org
- Seek Grant Funding Opportunities:
 - PalmBeachTPA.org/Funding
 - AlertTodayFlorida.com/HVE
 - 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

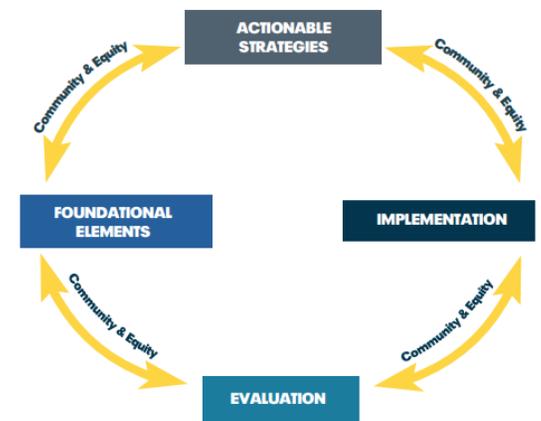
Vision, Strategies, Action:
Guidelines for an Effective
Vision Zero Action Plan

December 2017

Creating a Vision Zero Action Plan

Foundational Elements

Actionable Strategies



TPA Grant Funding Programs



PALM BEACH
Transportation
Planning Agency

STATE ROAD MODIFICATIONS	LOCAL INITIATIVES	TRANSPORTATION ALTERNATIVES
<p>Total Funds: ~\$20.4M/Year Funding Range: \$500K-\$5M Eligible On State Roads Project Examples:</p> <ul style="list-style-type: none">• Complete Streets• Traffic Calming• Intersection Modifications	<p>Total Funds: ~\$20M/Year Funding Range: \$250K-\$5M Eligible On Federal-Aid Roads Project Examples:</p> <ul style="list-style-type: none">• Complete Streets• Transit Capital• Freight Efficiency	<p>Total Funds: ~\$3.3M/Year Funding Range: \$250K-\$1M Eligible On and Off Roads Project Examples:</p> <ul style="list-style-type: none">• Pedestrian & Bicycle Facilities• Safe Routes to School• Safety-Related Infrastructure

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