Vision Zero Action Plan Workshop

June 5, 2025

Agenda

- What is Vision Zero
- Principals
- Crash Analysis
- TPA 2021 Plan Strategies
- Strategy Discussion
- TPA Tools in Progress

Workshop Purpose

Gather feedback to guide the development of the Vision Zero Action Plan update.

What is Vision Zero?

A movement to eliminate all traffic fatalities and severe injuries.

Collaboration

**What roles do Cities and Counties have with respect to Vision Zero?**

- Developing action plan
- Collecting and analyzing data
- Engaging community members
- Setting local policies and regulations
- Prioritizing funding for safety
- Implementing projects
- Enforcing regulations

How can MPOs help accomplish Vision Zero?

- Supporting local action plans
- Prioritizing funding for safety
- Facilitating collaboration
- Sharing best practices and data

How do these groups work together to accomplish Vision Zero?
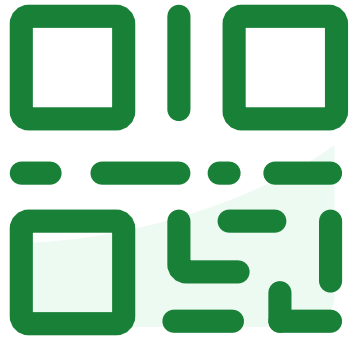
Join at slido.com
#1881600

How do these groups work together to accomplish Vision Zero?

Vision Zero Key Principles

Political Commitment
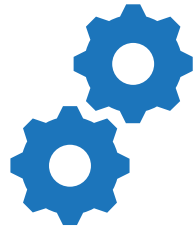
Community Engagement

Fairness

Action Plan

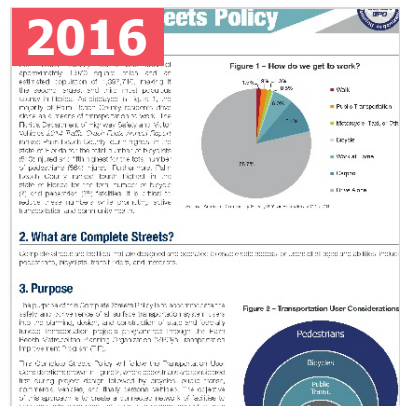Cooperation & Collaboration

Data driven

Multidisciplinary Leadership
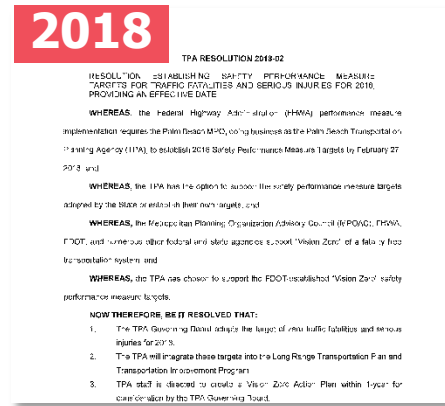
Systems-based Approach

Transparency

TPA Vision Zero Activities Timeline

2016
Complete
Streets Policy

2017
Complete Street
Design Guidelines

2018
Adopted Zero Fatalities
Resolution

2019
Vision Zero
Action Plan
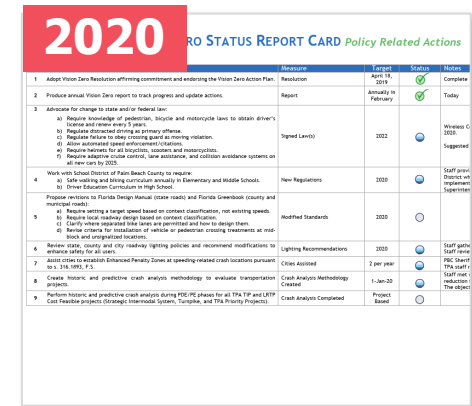
2020
Vision Zero Progress Report
Card

2021
Vision Zero Plan Update
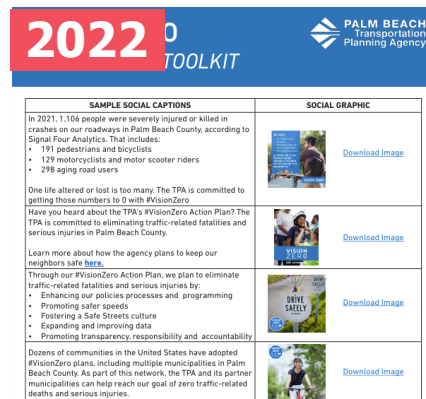
2022
Social Media Toolkit

2023
Ped/Bike Quarterly Reports

2024
Speed Management Plan

2025
Safe Streets Summit

SS4A Awards + Vision Zero Resolutions $\frac{S}{4}\Big|\frac{S}{A}$

- **$11 Million** awarded to create Safety Action Plans or to conduct Planning and Demonstration projects in Palm Beach County

What local plans, programs, and policies have supported Vision Zero?

Literature Reviewed

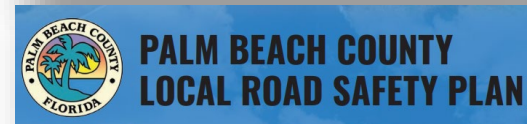**Vision**

Strategies, policies, & priorities

Implementing standards & guidelines

Educating, reporting & evaluating progress

PALM BEACH Transportation Planning Agency VISION 2050

VISION 2050
LONG RANGE TRANSPORTATION PLAN

TARGET **ZERO**
FATALITIES & SERIOUS INJURIES

COMPLETE STREETS POLICY

PALM BEACH COUNTY FLORIDA **PALM BEACH COUNTY LOCAL ROAD SAFETY PLAN**

VISION ZERO

Complete Streets
Design Guidelines **2.0**

District 4
Lane Repurposing
SUMMARY GUIDE

PALM BEACH Transportation Planning Agency
WALK BIKE
SAFETY AUDIT
SELECTION PROCESS

PALM BEACH Transportation Planning Agency
PEDESTRIAN & BICYCLE QUARTERLY CRASH REPORT

BIKESAFE **WALK SAFE**

DRIVE TIME?
VIBE TIME.

FLORIDA LTAP CENTER

- Alignment across documents for need for safety improvements

- Resources provide technical guidance for implementation

- Provide more resources to empower community members

- Future area of focus is evaluation

Policy Actions: Vision Zero Action Plan (2021)

- **Produce a Vision Zero annual report** and proactively seek feedback and research latest Vision Zero best practices.

- **Include safety changes in TPA legislation and policy positions.**

- **Identify target speeds for high crash corridors** based on context classification and safety.

- **Collaborate with State partners** to create a consistent process for displaying the safety analysis included in TIP projects.

- **Work with the School District of Palm Beach County** to require safe walking, biking, and driving curriculums in elementary, middle, and high schools.

Funding Actions:
Vision Zero Action Plan (2021)

- **Work with signal maintaining agencies** to make signalized intersection crossings more pedestrian friendly.

- **Evaluate safety aspects of TPA-funded projects** one to five years after construction completion.

Culture Actions:
Vision Zero Action Plan (2021)

- **Provide reviews of fatal pedestrian and bicycle crash reports**, including observations and potential actions.

- **Collaborate with roadway owners to maintain a detailed data inventory for federal aid roadways with typical section attributes** to more effectively analyze of complete streets opportunities.

- **Implement a Vision Zero media and public education campaign.**

- **Host an annual Vision Zero workshop** for local communities and agencies.

- **Participate in Vision Zero safety events** and/or participate in other local events to encourage safety, with emphasizing traditionally underserved communities.
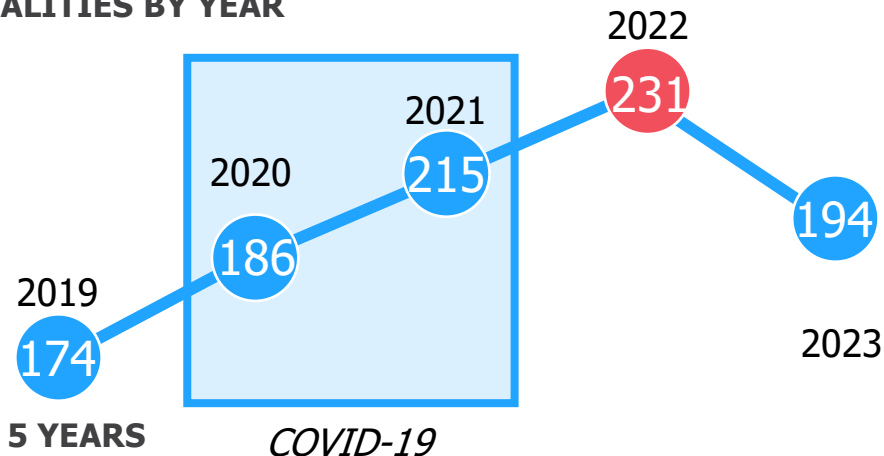
Palm Beach County Trends

Traffic fatalities are increasing. 2022 had the highest number of fatalities in years.

PALM BEACH COUNTY IS
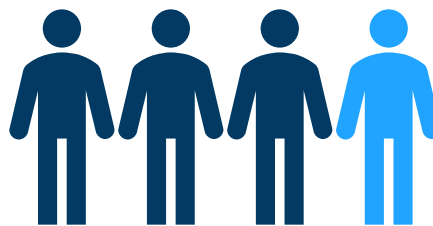
2,000
SQUARE MILES

POPULATION APPROACHING

1.6 MILLION

TRAFFIC FATALITIES BY YEAR

2022
231

2021
215

2020
186

2019
174

2023
194

IN THE PAST 5 YEARS

COVID-19

997 DEATHS

4,396 INCAPACITATING INJURIES

25% OF RESIDENTS ARE 65 AND OLDER

RANKED 2nd IN LARGER FLORIDA COUNTIES FOR AGING ROAD USERS (65+) FATAL AND SERIOUS INJURY CRASHES

Source: FY2023 Highway Safety Matrix – Ranking of Florida Counties

Florida Crash Statistics Comparison

County	State Highway Lane Miles*	Population Density* (Persons per Sq Mi)	2023**		3-Year Average**		
			Total Fatalities	Total Injuries	Total Fatalities	Total Injuries	
Palm Beach County	2,309	787	194	16,235	214	15,569	
Orange County	2,175	1,676	172	19,618	198	21,146	▲
Brevard County	1,400	644	105	6,736	103	6,861	▼
Duval County	2,203	1,393	165	15,916	169	15,364	▼
Miami Dade County	2,941	1,461	325	29,816	329	29,083	▲
Broward County	2,600	1,647	219	24,540	262	23,776	▲

Source:
*Office of Economic & Demographic Research
**Florida Highway Safety and Motor Vehicles
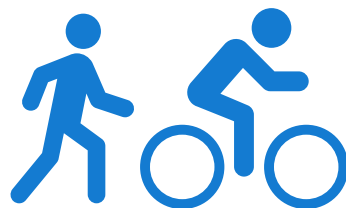
Crash Analysis Findings

INCREASE IN FATALITIES
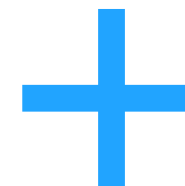and 30% decrease in serious injury crashes

VULNERABLE ROAD USERS
are over-represented in fatal and serious-injury crashes as they accounted for **43% of fatalities** but are **3% of mode share**
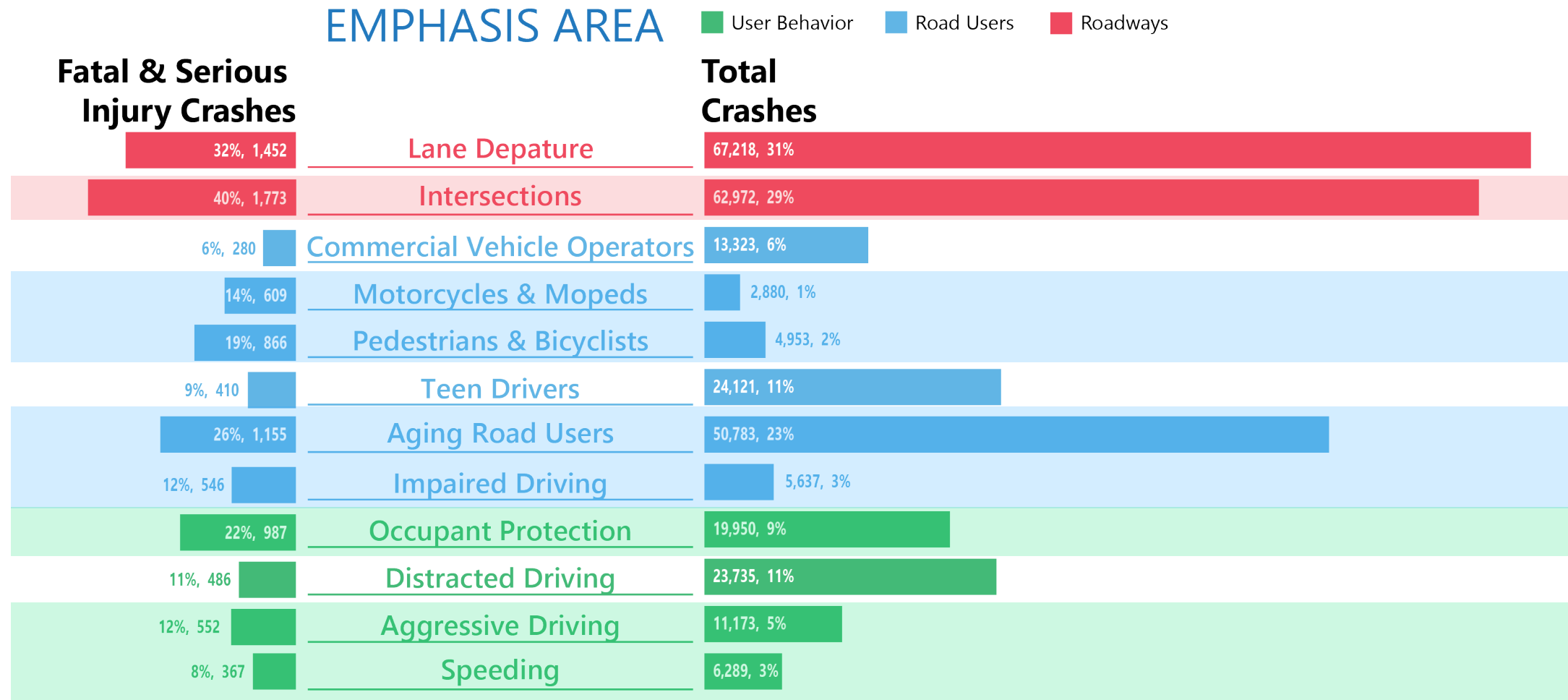
INTERSECTION RELATED CRASHES
accounted for **40% of fatal and serious injury crashes**
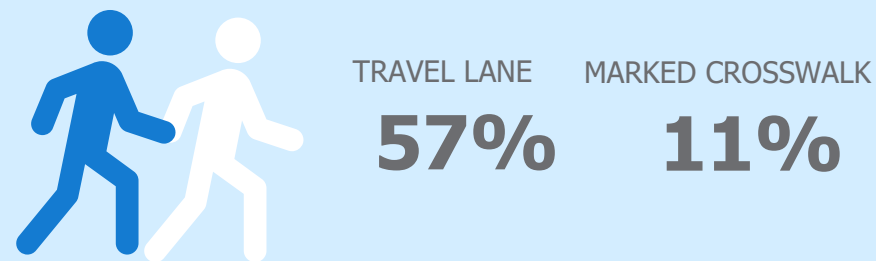
Emphasis Areas (2019-2023)

EMPHASIS AREA

■ User Behavior   ■ Road Users   ■ Roadways

Fatal & Serious Injury Crashes   **Total Crashes**

Fatal & Serious Injury Crashes	Emphasis Area	Total Crashes
32%, 1,452	Lane Depature	67,218, 31%
40%, 1,773	Intersections	62,972, 29%
6%, 280	Commercial Vehicle Operators	13,323, 6%
14%, 609	Motorcycles & Mopeds	2,880, 1%
19%, 866	Pedestrians & Bicyclists	4,953, 2%
9%, 410	Teen Drivers	24,121, 11%
26%, 1,155	Aging Road Users	50,783, 23%
12%, 546	Impaired Driving	5,637, 3%
22%, 987	Occupant Protection	19,950, 9%
11%, 486	Distracted Driving	23,735, 11%
12%, 552	Aggressive Driving	11,173, 5%
8%, 367	Speeding	6,289, 3%

Pedestrians & Bicyclists

Top Fatalities and Incapacitating Injury Locations for Bicyclists

TRAVEL LANE/OTHER
26%

INTERSECTION/MARKED CROSSWALK
25%

BICYCLE LANE
13%
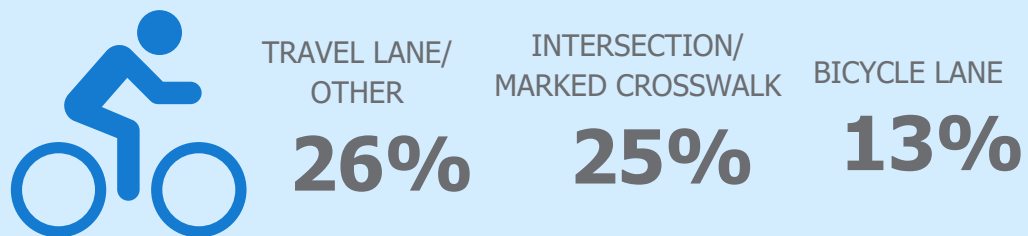
Top Fatalities Locations for Pedestrians

TRAVEL LANE
57%

MARKED CROSSWALK
11%

Roadway Conditions for Pedestrian Fatalities & Serious Injuries

LANE DEPARTURE-RELATED
27%

INTERSECTION-RELATED
25%
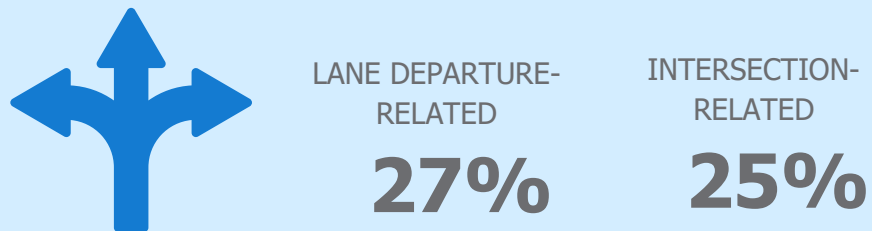
Top Serious Injury Locations for Pedestrians

TRAVEL LANE
44%

MARKED CROSSWALK
16%
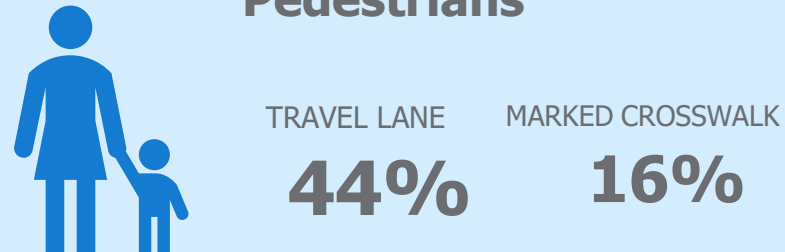
Environmental Factors

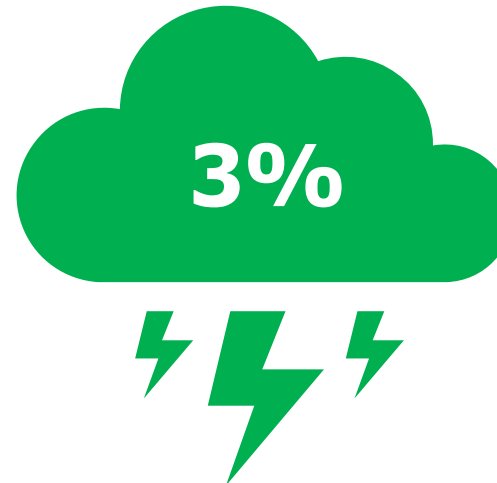**38%** Occurred during night

12% Occurred on wet pavement
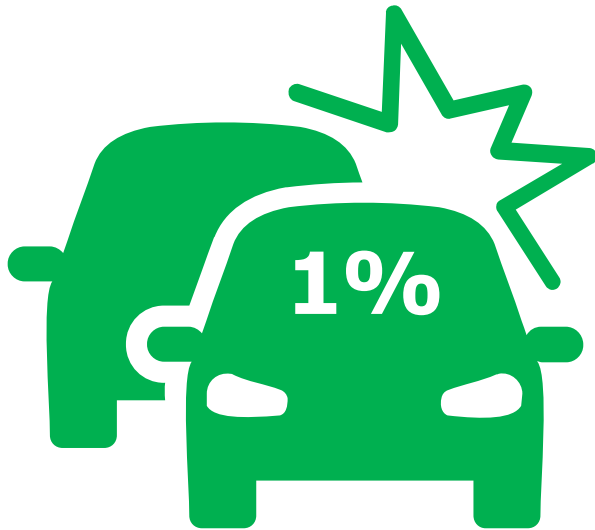
1% Were work zone related

3% Had weather as the primary contributing factor

Human Behavior Factors

22%
Of fatal & serious injury crashes involved unrestrained vehicle occupants

15%
Of fatal & serious injury crashes involved speeding

14%
Of fatal crashes & serious injury crashes involved distracted driving

12%
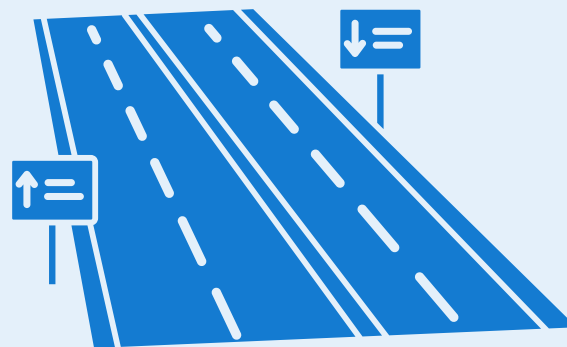Of fatal & serious injury crashes involved impaired driving

High Injury Network

- 276 miles (4% of all roadway miles) account for:
  - 38% of all fatal crashes
  - 36% of all serious injury crashes
  - Over half of all pedestrian and bicyclist deaths

94%
On roads with speeds posted 35 mph or higher

34%
On four-lane roadways

Hit by a vehicle traveling at...

23 MPH — **10%** RISK OF DEATH

32 MPH — **25%** RISK OF DEATH

42 MPH — **50%** RISK OF DEATH

50 MPH — **75%** RISK OF DEATH

58 MPH — **90%** RISK OF DEATH

Strategies Framework – 5 E's
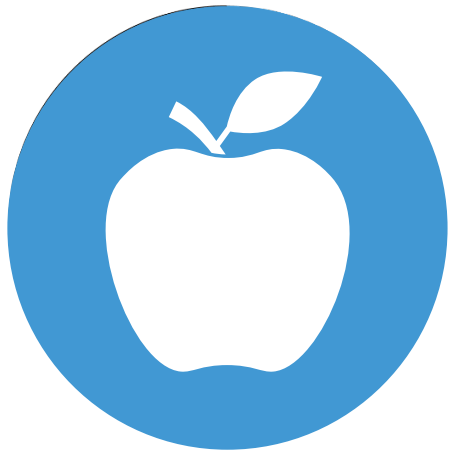
EDUCATION
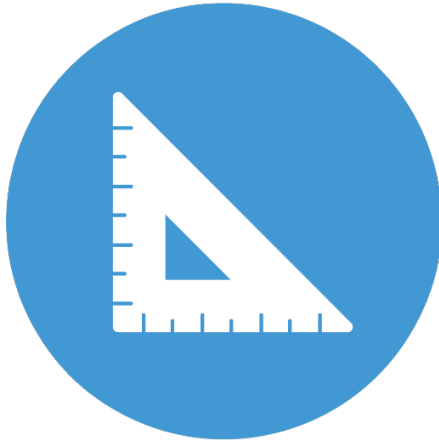
ENGINEERING

EMERGENCY RESPONSE

ENFORCEMENT

EVALUATION

The Safe System Approach
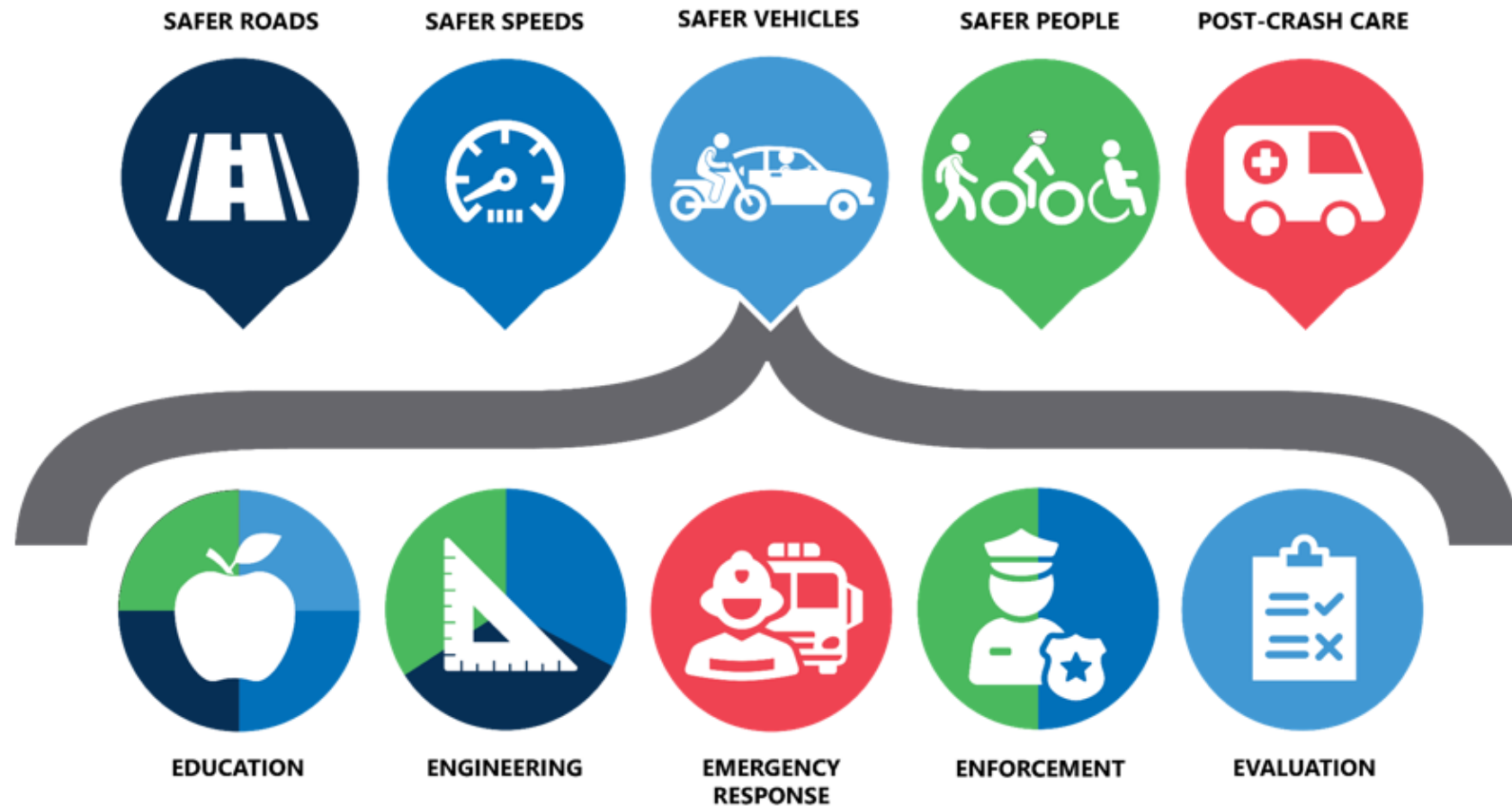
Education

Action	Outcomes
Deliver community-facing education and engagement campaigns with consistent branding and local partnerships.	Participate in branded safety campaigns or events held per year
	Support Safe Routes to School efforts
	Distribute outreach materials at events and track number of people reached
	Provide resources to partner on the TPA website and coordinate Safety Action Plans

Action	Outcomes
Support local agencies with training, technical assistance, and planning for safer street design and operations.	Technical and agency support provided to local agencies for project development and funding applications
	Support or lead safety studies annually

Emergency Response

Action	Outcome
Strengthen coordination with first responders to improve post-crash response and system awareness.	Consider alternative data sources for crash information and reporting

Enforcement

Action	Outcome
Advance speed management and enforcement innovation through education and technical support.	Provide updates and developments related to speed management

Evaluation

Action	Outcomes
Use data to guide decision-making, evaluate project outcomes, and support partners with shared tools and guidance.	Create crash dashboard and project tracking tools updated annually
	Create evaluation methodology for before/after studies and share with local agencies
	Create a central repository of safety related plans and studies in Palm Beach County
Lead Vision Zero implementation through coordination, policy tracking, and staff training.	Annual Vision Zero progress report published
	Host and participate in annual safety focused workshop
	New staff oriented and engaged in Vision Zero work
	Share annual policy related updates with partners
	Participate in coalitions (e.g., Pedestrian & Bicycle Coalition) to share local insights.

Are there any other actions or outcomes you would like to see?

With your support,
Palm Beach County can
get one step closer to

ZERO

How can engineering efforts reduce fatal and serious injury crashes?

What types of traffic infrastructure do you think supports Vision Zero?

Based on the crash types, what educational campaigns can be used that are most effective?

slido

What educational campaigns or messages have resonated with your personal community?

What types of traffic safety education do you think need more attention?

How would you measure the success of educational campaigns?

How can collaboration with emergency response services reduce fatal and serious injury crashes?

slido

How can emergency services be optimized after crashes?

What data might be useful to request from emergency response partners?

How should the impact of emergency response services be measured?

How should the impact of automated enforcement be measured?

What data might be useful to request from enforcement partners?

What type of metrics would you like to see for infrastructure projects focused on providing facilities for people walking and biking (such as sidewalk projects or bicycle lanes)?

What can individuals and groups do to promote or implement evaluation of Vision Zero?

slido

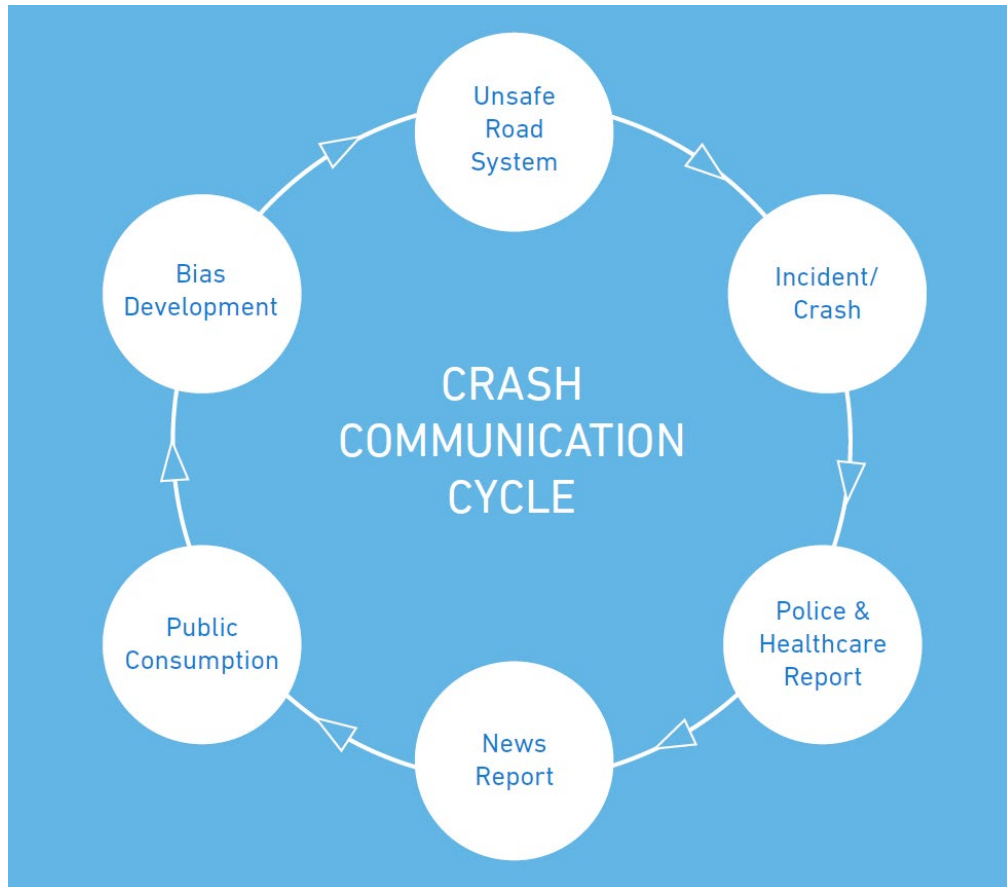What metrics should be used to track traffic safety improvements?

TPA Tools in Progress

TPA Crash Reporting Toolkit

How We Talk About Crashes Matters

CRASH COMMUNICATION CYCLE

- Unsafe Road System
- Incident/Crash
- Police & Healthcare Report
- News Report
- Public Consumption
- Bias Development

Pedestrian 'displaying abnormal behavior' at intersection west of Boca Raton struck, killed

PALM BEACH COUNTY, Fla. — A 31-year-old pedestrian "displaying abnormal behavior" at the intersection of Palmetto Park Road and State Road 7...
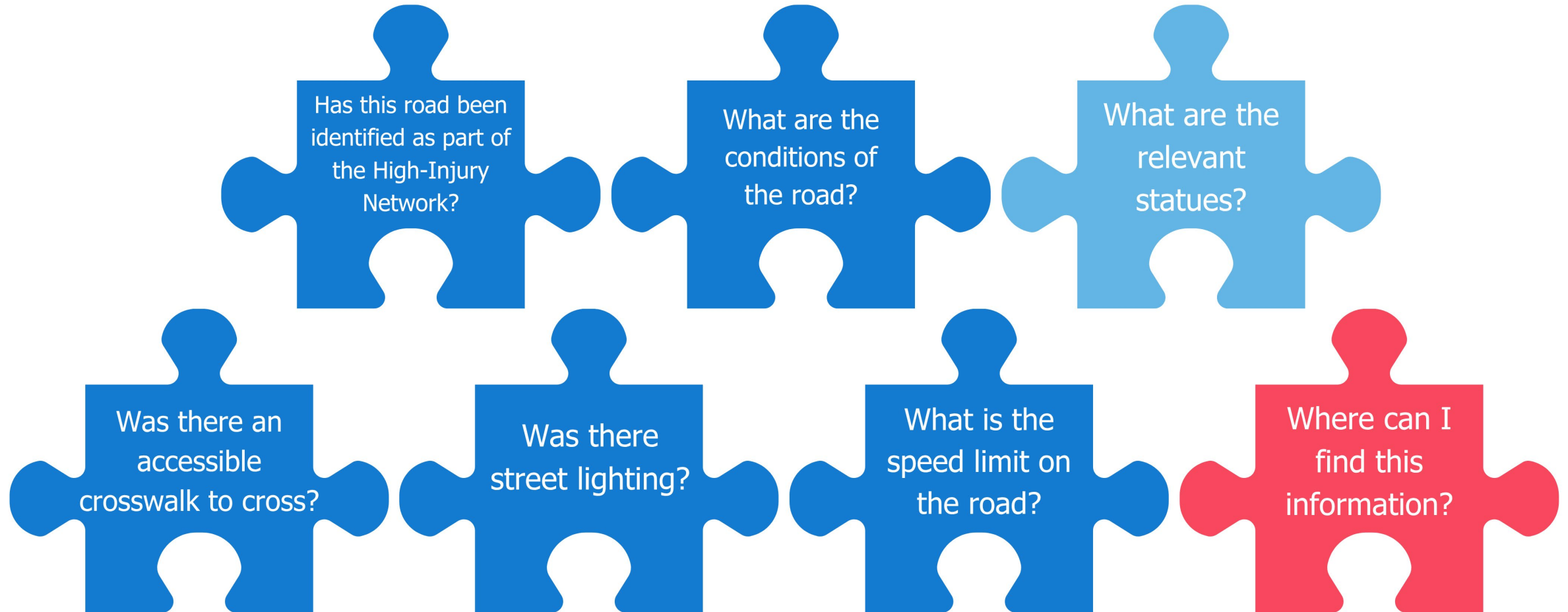
UPDATE: Man fatally hit by driver while jaywalking near Leopard Street intersection identified

Bicyclist critically injured in Boca Raton crash was not wearing safety gear, PBSO reports

Who is this for?

- **Planners/ Engineers:** Identify & advance policies and roadway designs proven to make streets and intersections safer.

- **Emergency Medical Professionals:** Enhance the response and care available to crash victims.

- **Elected Officials:** Champion safety efforts and adopt a policy to encourage safe systems.

- **Law Enforcement:** Enforce laws, respond to crashes and safety inquiries, and report information.

- **Information Distributors:** Publish accurate and informative data and stories related to crashes.
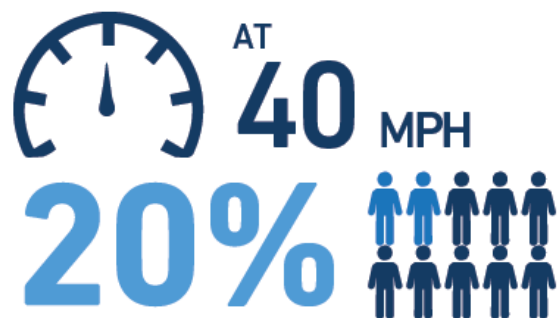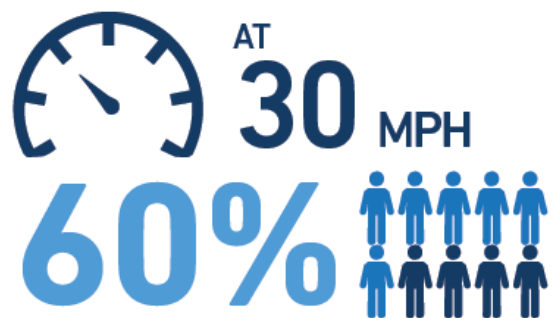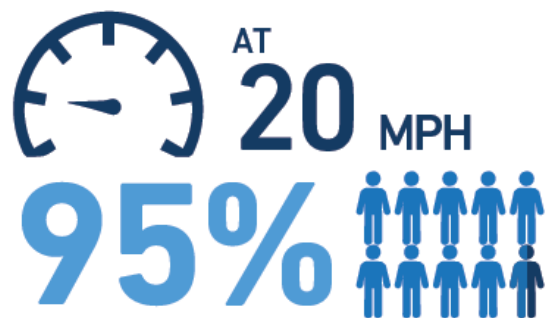
Telling The Complete Story

Has this road been identified as part of the High-Injury Network?

What are the conditions of the road?

What are the relevant statues?

Was there an accessible crosswalk to cross?

Was there street lighting?

What is the speed limit on the road?

Where can I find this information?

TPA Crash Dashboard

Palm Beach TPA
Speed Management Study

Why Conduct a Speed Management Study?

When a person is hit by a driver,
their chance of survival depends on speed.

AT **20** MPH
95%
CHANCE OF SURVIVAL

AT **30** MPH
60%
CHANCE OF SURVIVAL

AT **40** MPH
20%
CHANCE OF SURVIVAL

Palm Beach Transportation Planning Agency
VISION ZER0
2021 ACTION PLAN

Speed Definitions

Target Speed

Design Speed

Posted Speed

SPEED LIMIT 20

Operating Speed

Target Speed Methodology

Inputs

Non-Motorist Activity

Level of Traffic Stress

Number of Lanes by Context Classification
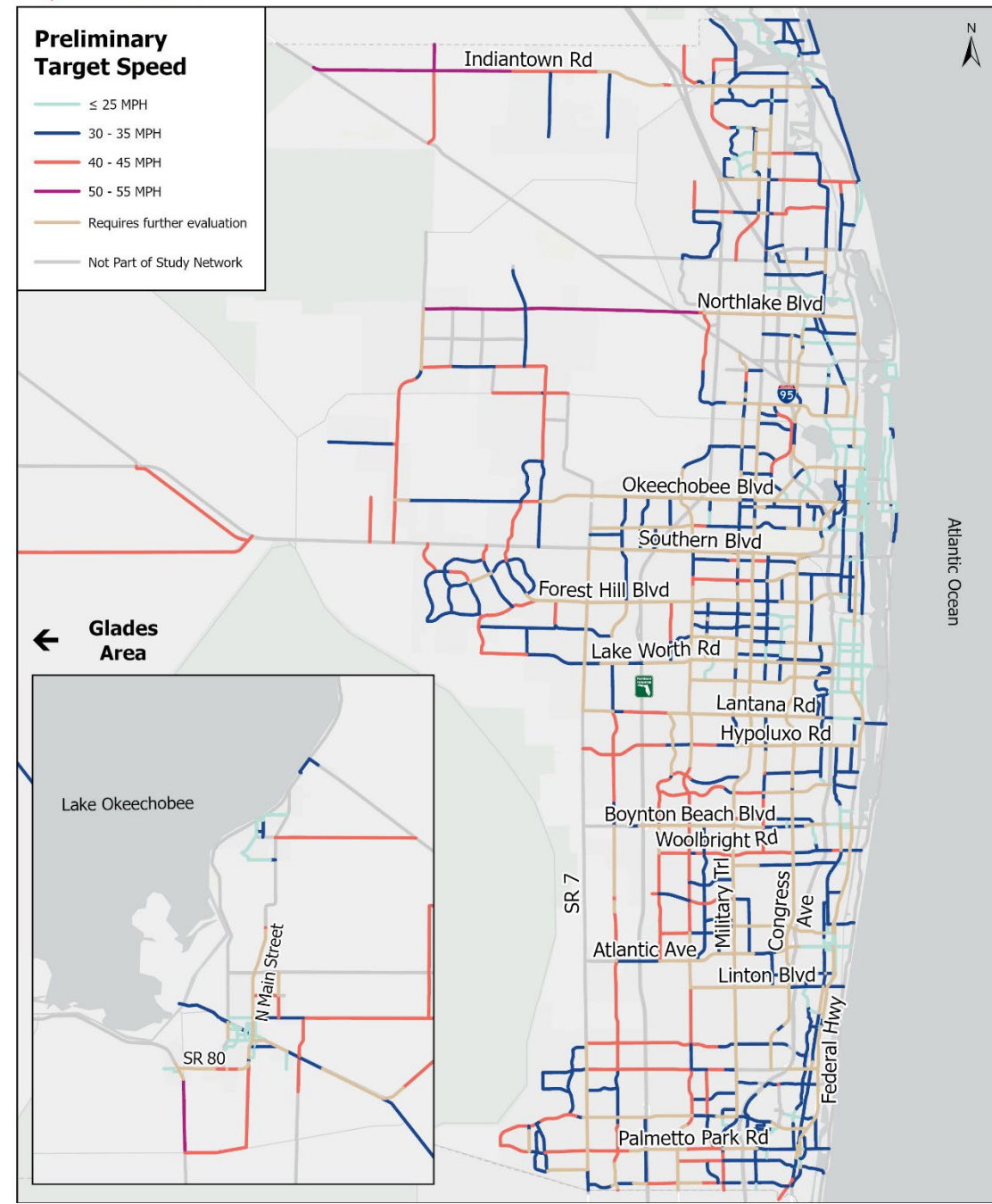
Transit Ridership

High Injury Network

Outcome?

- Identify locations where **operating and posted speed is not consisten**t with surrounding land use, non-motorist activity, and crash data

- Recommended preliminary **Target Speeds** throughout Palm Beach County

Preliminary Target Speed Assignments

- Many urbanized areas generally have Target Speeds of 30 mph or less due to high non-motorist activity

- Final Target Speeds will need to be determined through collaboration with roadway owners

- 6+lane facilities require additional evaluation

Preliminary Target Speed Assignments

Preliminary Target Speed
- ≤ 25 MPH
- 30 - 35 MPH
- 40 - 45 MPH
- 50 - 55 MPH
- Requires further evaluation
- Not Part of Study Network

Corridor Prioritization Inputs

Inputs

Target Speed

Historically Disadvantaged Community

Comparative Speed Analysis
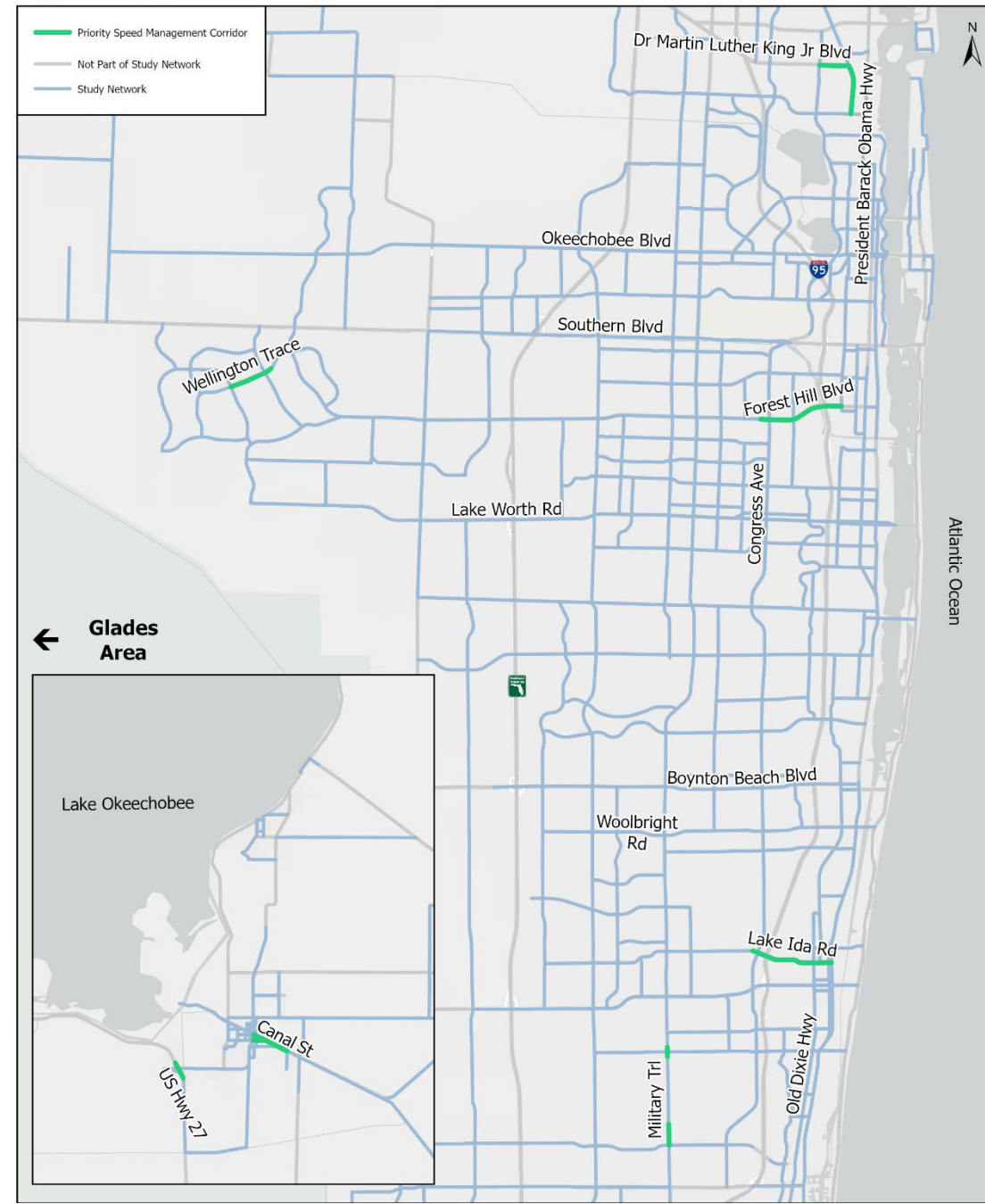
Roadway Characteristics

Outcome?

Identify priority corridors for countermeasure development and further evaluation

Top 10 Priority Speed Management Corridors

Major Takeaways

- FDOT Context Classification
  - C3C – Suburban Commercial
  - C3R – Suburban Residential
  - C4 – Urban General
- Roadway Geometry
  - 2-lane undivided
  - 4-lane undivided & divided
  - 5-lane undivided
  - 6-lane divided

PALM BEACH Transportation Planning Agency

Priority Speed Management Corridors

- Priority Speed Management Corridor
- Not Part of Study Network
- Study Network

Example Countermeasure Development

- **Countermeasure Toolkit**
  - Organized by type of countermeasure
  - Includes consideration of
    - Number of lanes
    - Timeline
    - Reference (FDM, TEM, etc.)

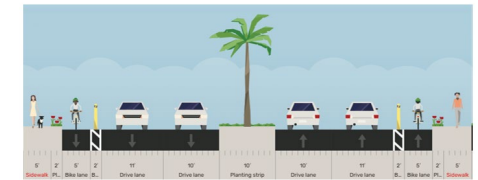- **Corridor Specific Countermeasures**
  - Developed for five priority corridors *(see sample)*
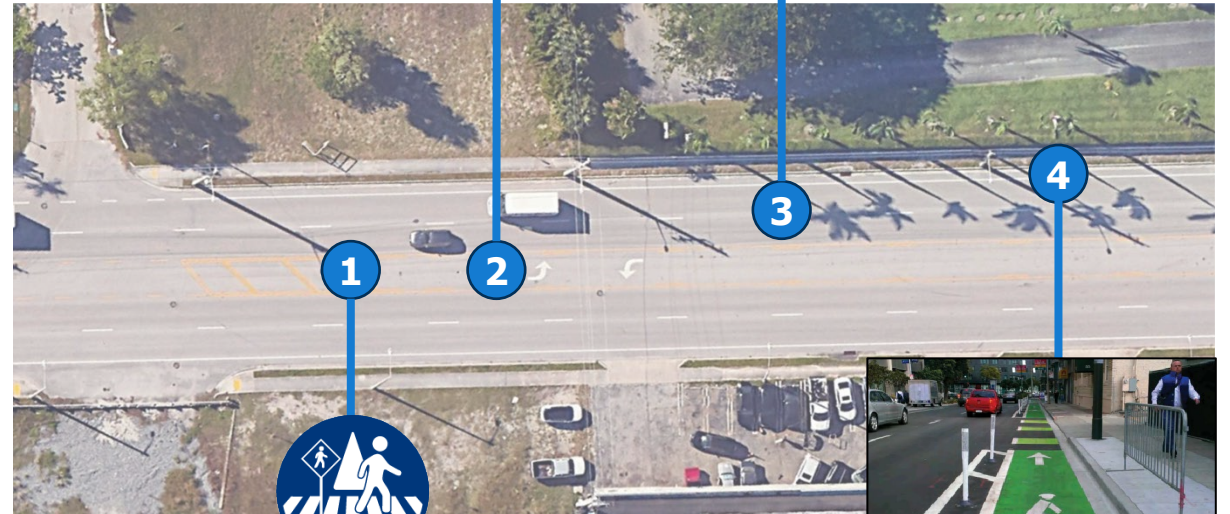
Evaluate Midblock Crosswalk
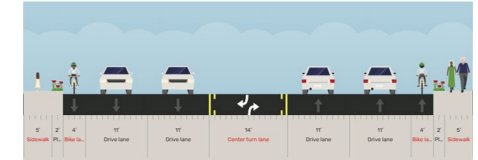
Existing Typical Section

Potential Alternative Typical Section
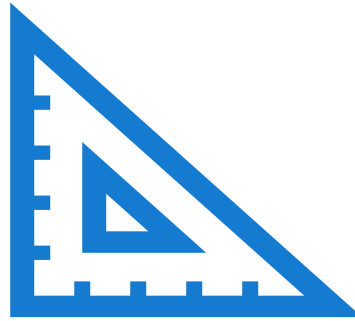
Narrow Travel Lanes
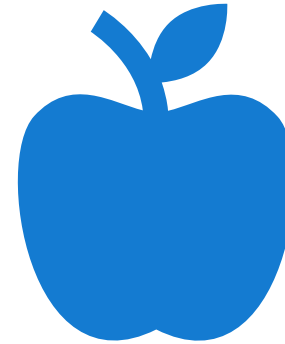
1

2

3

4

Install Raised Median

Install Separated Bicycle Lanes

Next Steps

Transportation System Safety is everyone's responsibility

Engineering

Education

Emergency Response

Enforcement

Evaluation

Questions?

PalmBeachTPA.org/VisionZero