



Safety Performance Measures

February 2021 | TPA Governing Board

PALM BEACH TPA VISION

A **safe**, efficient,
and connected
multimodal
transportation
system.



Required Safety Measures

1. Number of fatalities
2. Rate of fatalities per 100 million VMT
3. Number of serious injuries
4. Rate of serious injuries per 100 million VMT
5. Number of non-motorized fatalities and serious injuries

VMT = Vehicle Miles Traveled

Required Palm Tran Measures by Mode

1. Number of fatalities
2. Rate of fatalities per 100 thousand VRM
3. Number of injuries
4. Rate of injuries per 100 thousand VRM
5. Number of safety events
6. Safety events per 100 thousand VRM
7. VRM average distance between mechanical failures

VRM = Vehicle Revenue Miles

Fixed Route and Paratransit








Previous Targets

Adopted targets of zero fatalities & serious injuries for 2018 - 2020

- FHWA: zero fatalities on our Nation's roadways is the only acceptable goal
- FDOT: Formally adopted targets of zero for 2018 - 2021
- Vision Zero Cities in Palm Beach County: West Palm Beach, Boynton Beach, and Palm Beach Gardens

Total Fatalities & Serious Injuries

Performance Measure	2013	2014	2015	2016	2017	2018	2019 ^a	2020 ^b
Fatalities	137	130	186	180	157	183	174	178
Fatalities avg.	131	127	140	153	158	167	 176	174
Serious Injuries	1,100	1,050	1,000	1,128	1,123	1,193	1,021	917
Serious Injuries avg.	1,047	1,040	1,027	1,055	1,080	1,099	 1,093	1,076
Fatality Rate	1.12	1.01	1.40	1.30	1.12	1.29	1.11	1.13
Fatality Rate avg.	1.07	1.02	1.10	1.18	1.19	1.22	 1.24	1.19
Serious Injuries Rate	8.96	8.19	7.52	8.13	8.00	8.42	6.50	5.84
Serious Injuries Rate avg.	9.38	8.81	8.49	8.49	8.37	8.11	 8.20	8.16
Bike/Ped Injury/Fatal	212	206	203	196	209	214	217	223
Bike/Ped Injury/Fatal avg.	190	194	202	204	205	206	 208	212
100 Million VMT ^c	122.7	128.3	133.1	138.7	140.4	141.8	157.0	157.0 ^c

a. FDOT State Safety Office (SSO) draft 2019 numbers.

b. UFL Signal 4 Analytics, not official FDOT number. Crash data still being entered.

c. Vehicle Miles Traveled are released in June of following year. 2020 number is placeholder.

Pedestrian & Bicycle Fatalities 2018 - 2020

~30% of total fatalities / 2% of commute



75% Not at an Intersection

75% After Dark (20% in Unlit Conditions)

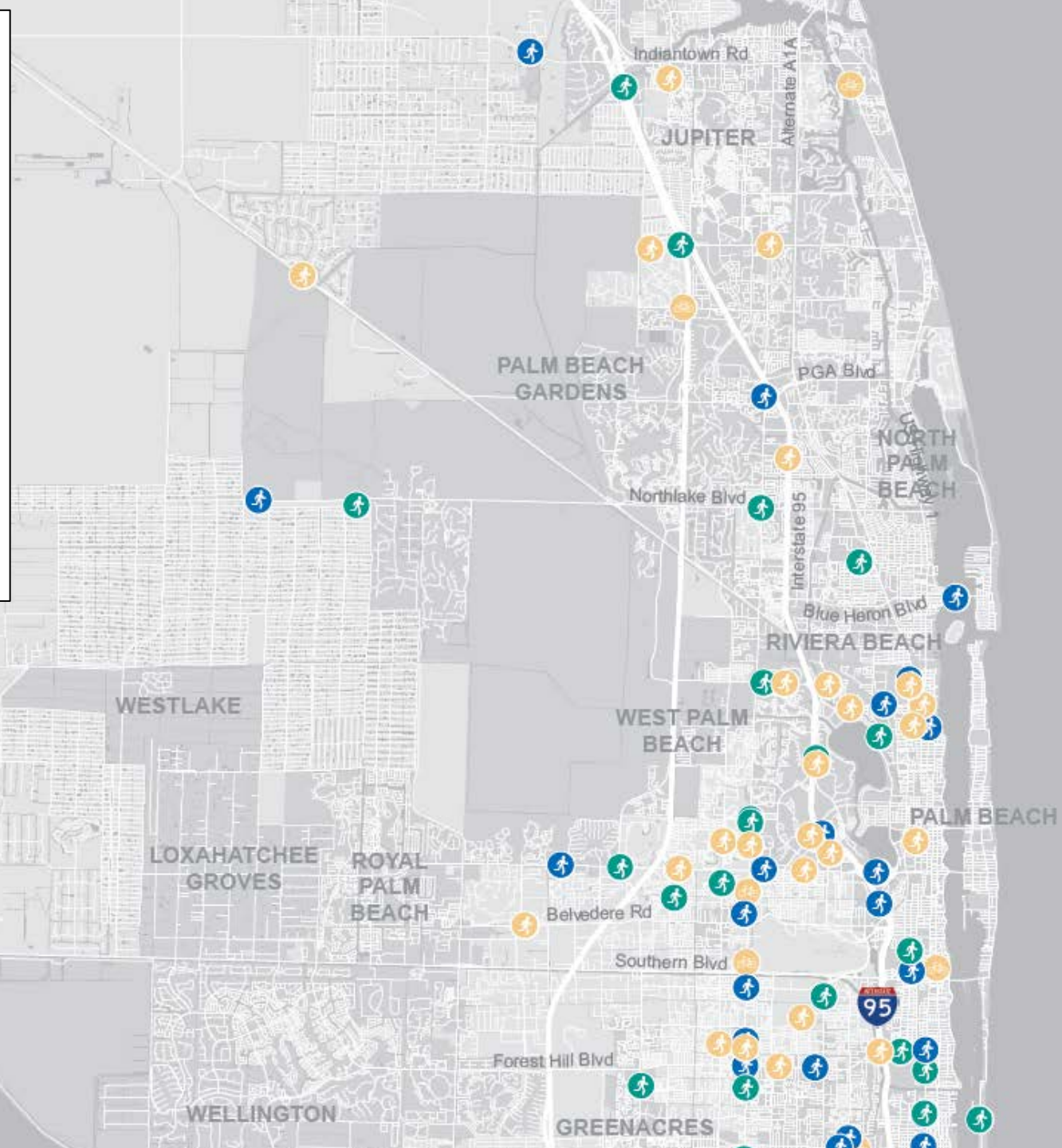
20% Alcohol/Drug Related

7.5% Rain/Fog Related

Bicycle and Pedestrian Crashes

 44	 6	2018
 40	 3	2019
 41	 11	2020

 City Boundaries



Pedestrian & Bicycle Fatalities 2018 - 2020

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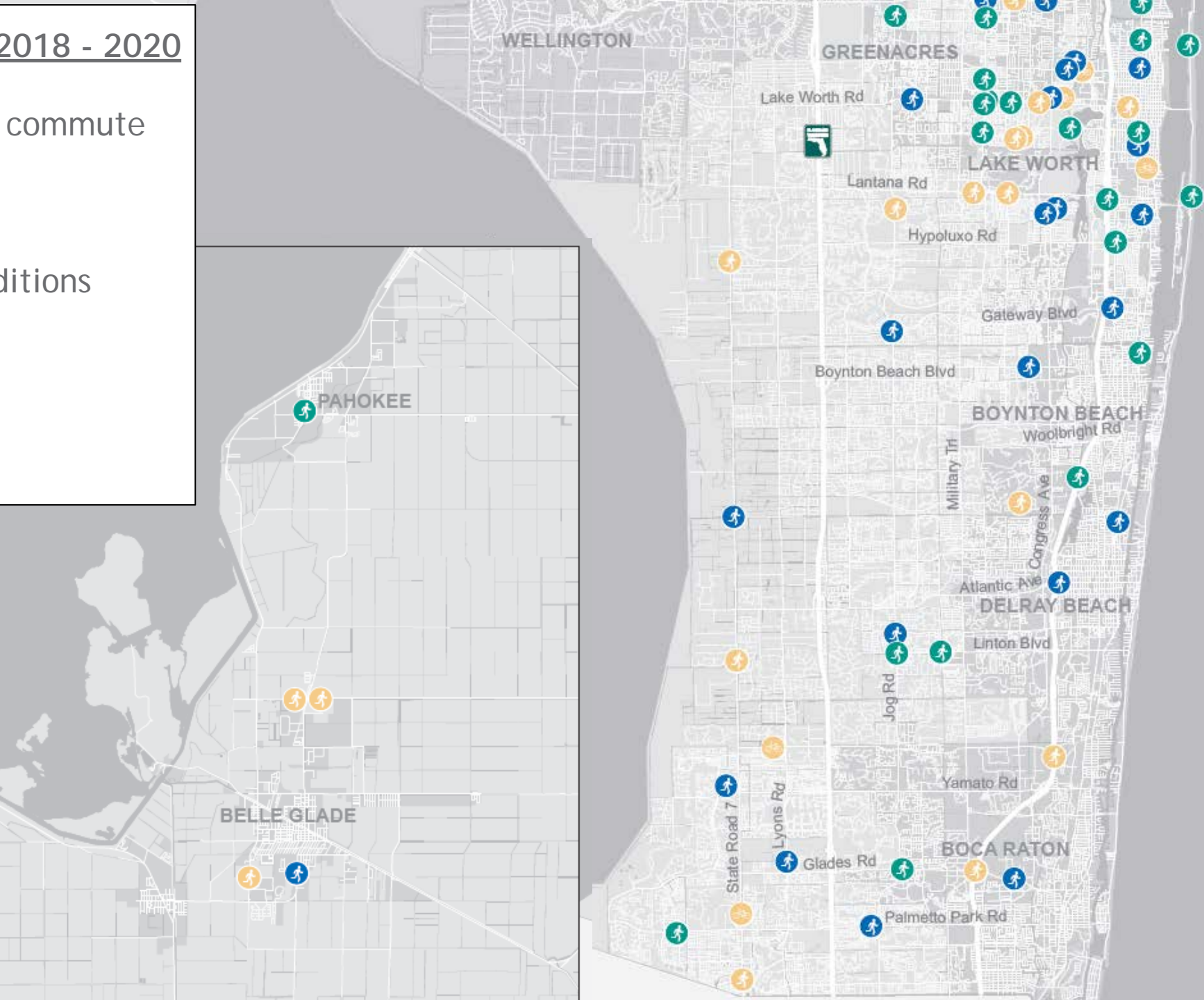
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Impacts of COVID-19 on safety per NHTSA

- Reduction in congestion results in higher speeds
- Drivers on roadways are less risk-averse
- Decrease in seat belt use
- Increase in alcohol and drug use
- Observed increase in pedestrian and bicycle activity

TPA's Strategic Plan action to analyze impact of COVID-19

Vision Zero Action Plan

Adopted April 2019 → Proposed updates in July 2021

Advocating for unified statewide crash data system

Collecting pedestrian/bicycle counts

Collaborating with FDOT to create safety funding process

Adding complete streets/safety elements to resurfacing projects

Encouraging local Vision Zero commitments - Boynton Beach & Palm Beach Gardens

Gathering public input via online Comment Map - *Live!*

Recommended 2021 Targets

Performance Measures	2019 Actual	2020 Actual	2021 Target
Number of fatalities	174	178	0
Rate of fatalities per 100 million VMT*	1.11	1.13	0
Number of serious injuries	1,021	917	0
Rate of serious injuries per 100 million VMT*	6.50	5.84	0
Number of non-motorized fatalities and serious injuries	217	223	0

*VMT = Vehicle Miles Traveled

Recommended 2021 Transit Targets

Performance Measures	Fixed Route		Paratransit	
	2020 Actual	2021 Target	2020 Actual	2021 Target
Number of fatalities	0	0	0	0
Fatality Rate per 100k VRM*	0	0	0	0
Number of injuries	40	63	25	34
Injury Rate per 100k VRM*	0.6	0.9	0.3	0.4
Number of Safety Events	30	43	26	32
Safety Events per 100k VRM*	0.4	0.6	0.3	0.3
Distance between mechanical failures (mi.)	13,083	14,000	6,971	7,700
Total Calendar Year VRM*	6,894,099		7,465,110	

*VRM = Vehicle Revenue Miles

MOTION TO ADOPT:

A Resolution Approving 2021 Safety Targets

