



Safety Performance Measures 2022 Targets

February 2022 | TPA Committees



What are we required to measure?

- **Safety – adopt annually**
- Bridge and Pavement Condition
- System Performance (Travel time reliability)
- Transit Asset Management
 - Tri-Rail
 - Palm Tran
- **Transit Safety – adopt annually**
 - **Palm Tran**



Roadway Safety Targets



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

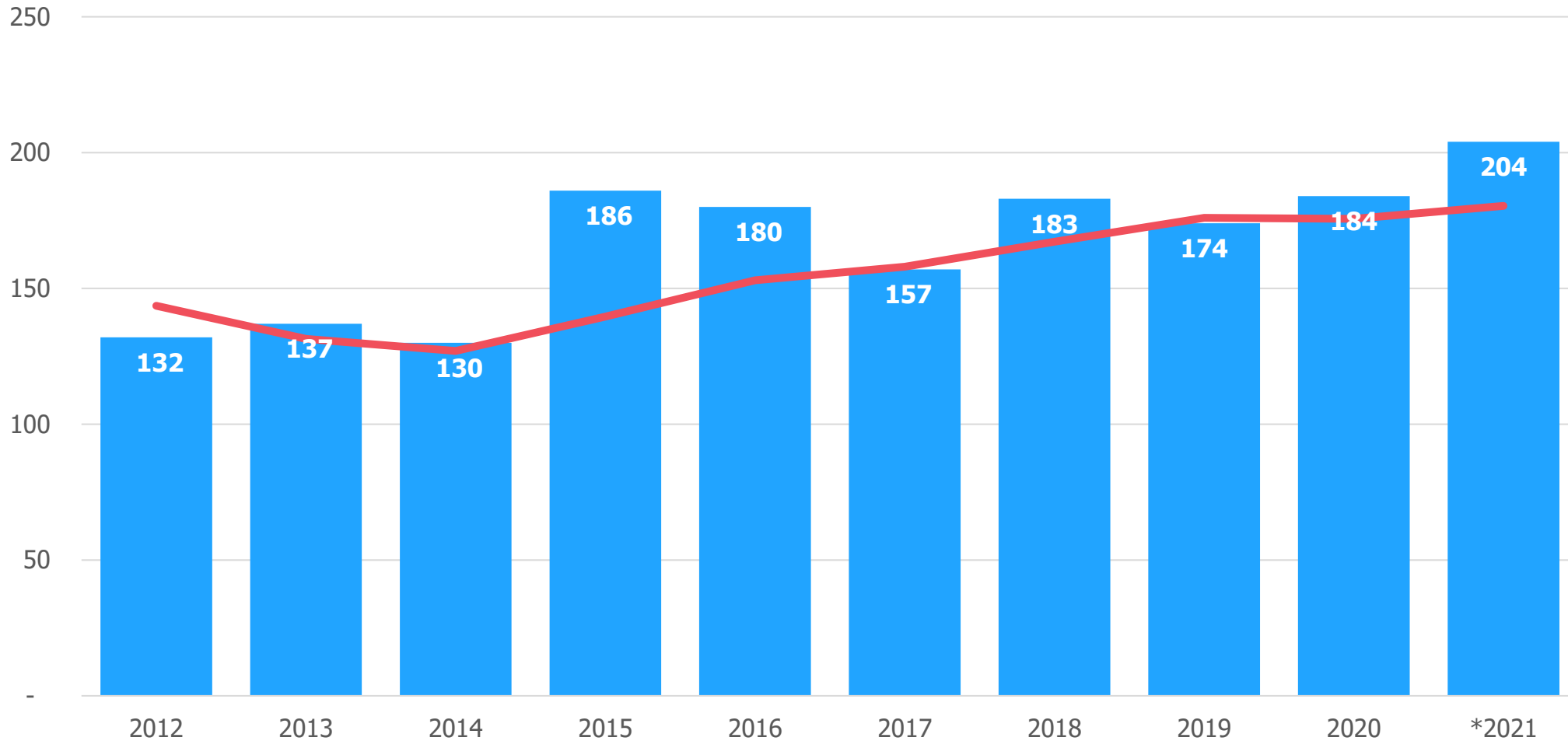


Previous Targets

Adopted targets of zero fatalities & serious injuries for 2018 - 2021

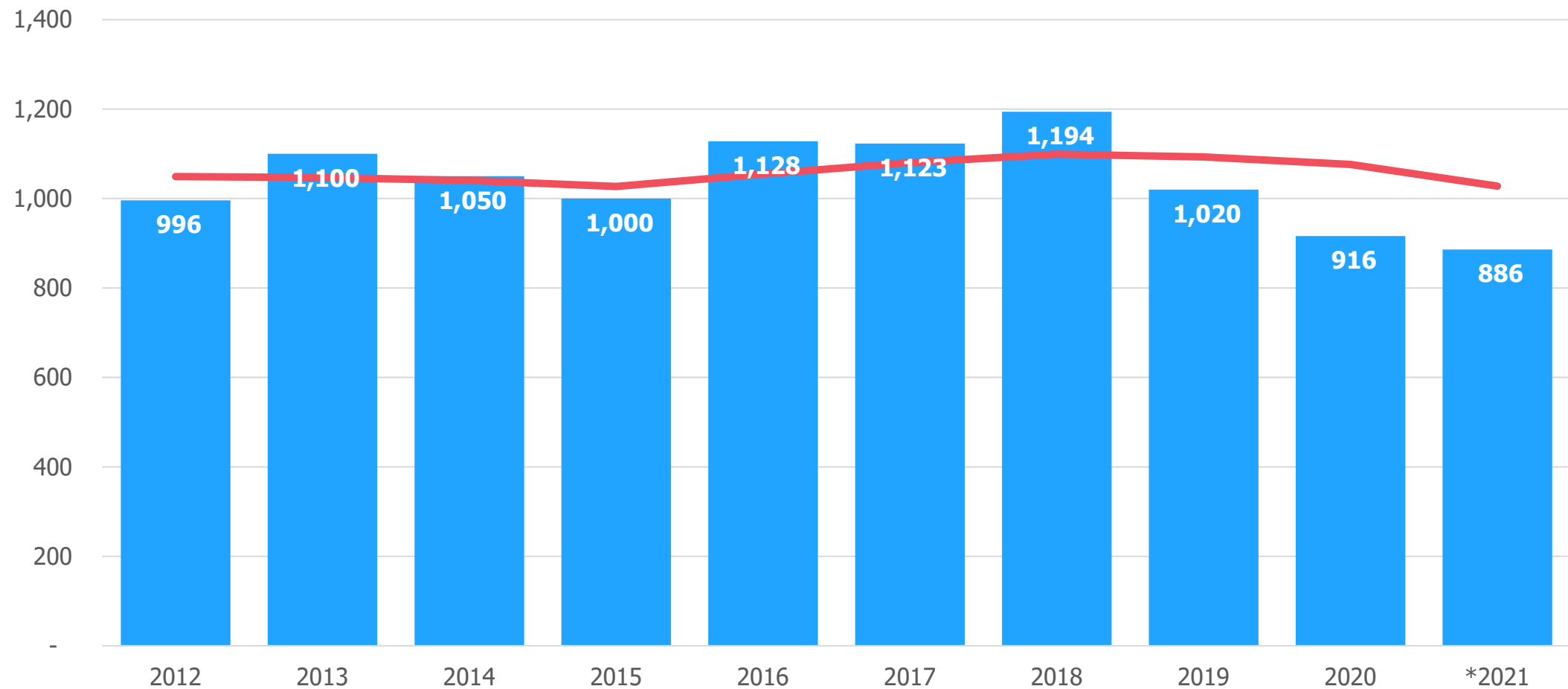
- FHWA: zero fatalities on our Nation's roadways is the only acceptable goal
- FDOT: Formally adopted targets of zero for 2018 – 2021
- TPA updated Vision Zero Action Plan in 2021.
 - Progress report provided during Strategic Plan update in July.

PBC Total Fatalities



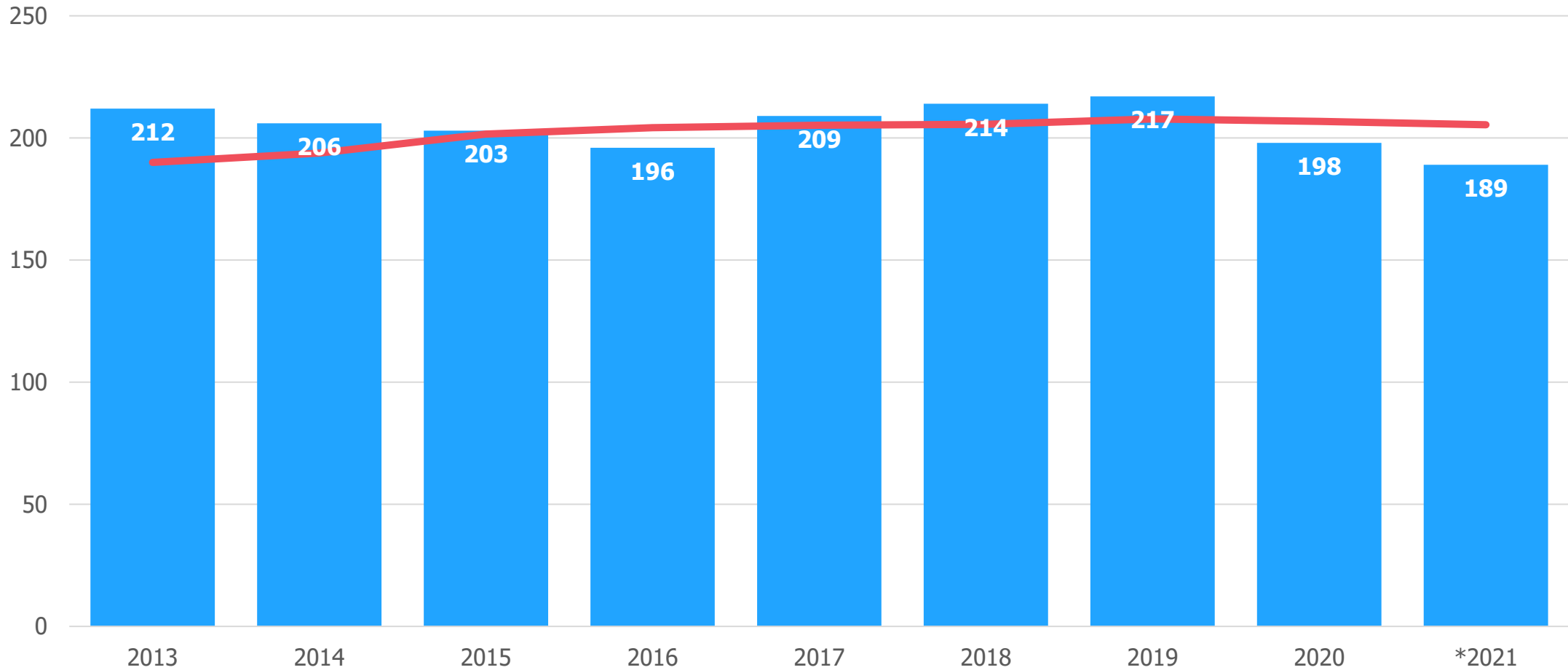
*Preliminary safety data for 2021. Official data to be released December 2022

PBC Total Serious Injuries



*Preliminary safety data for 2021. Official data to be released December 2022

PBC Total Pedestrian & Bicycle Fatalities & Serious Injuries



*Preliminary safety data for 2021. Official data to be released December 2022

Recommended 2022 Targets

Performance Measures	2020 Actual	2021 Actual	2022 Target
Number of fatalities	184	204	0
Rate of fatalities per 100 million VMT*	1.39	<i>Not available</i>	0
Number of serious injuries	916	886	0
Rate of serious injuries per 100 million VMT*	6.91	<i>Not available</i>	0
Number of non-motorized fatalities and serious injuries	223	189	0

Official FDOT data

Preliminary Signal4 data

Crash rates not available until release of VMT data.



Palm Tran Safety Targets

Fixed Route and Paratransit



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. Average miles between mechanical failures

VRM = Vehicle Revenue Miles

Required for Fixed Route & Paratransit



Fixed Route - Bus



Paratransit – Palm Tran Connection

2022 Palm Tran Fixed Route Targets

Performance Measures					Targets	
	2018	2019	2020	2021	Current 2021	New 2022
Number of fatalities	0	0	0	1	0	0
Fatality Rate per 100k VRM*	0.0	0.0	0.0	0.01	0	0
Number of injuries	78	68	40	34	<63	<63
Injury Rate per 100k VRM*	1.1	0.9	0.6	0.5	<0.9	<0.9
Number of Safety Events	52	45	30	23	<43	<43
Safety Events per 100k VRM*	0.8	0.6	0.4	0.3	<0.6	<0.6
Miles between mechanical failures	5,257	13,282	13,083	12,719	>14,000	>14,000
Total Calendar Year VRM*	6,912,671	7,167,065	6,894,099	7,060,950		

*VRM = Vehicle Revenue Miles

2022 Palm Tran Paratransit Targets

Performance Measures						Targets	
	2018	2019	2020	2021	Current 2021	New 2022	
Number of fatalities	1	0	0	0	0	0	
Fatality Rate per 100k VRM*	0.0	0.0	0.0	0.0	0	0	
Number of injuries	41	38	25	17	<34	<34	
Injury Rate per 100k VRM*	0.4	0.4	0.3	0.2	<0.4	<0.4	
Number of Safety Events	42	33	26	25	<32	<32	
Safety Events per 100k VRM*	0.4	0.3	0.3	0.3	<0.3	<0.3	
Miles between mechanical failures	22,865	6,664	6,971	15,581	>7,700	>7,700	
Total Calendar Year VRM*	10,137,030	10,346,703	7,465,110	8,446,286			

*VRM = Vehicle Revenue Miles



MOTION TO RECOMMEND ADOPTION:
A Resolution Approving 2022 Safety Targets