

Safety Targets presentation to BPAC

Wed, Jan 15, 2020 5:30 PM - 7:30 PM (EST)

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2020 Safety Performance Targets

CAC

January 15, 2020

What has occurred since 2019 safety target adoption?



BOCC-funded comprehensive speed mgmt. study



High-impact safety improvements

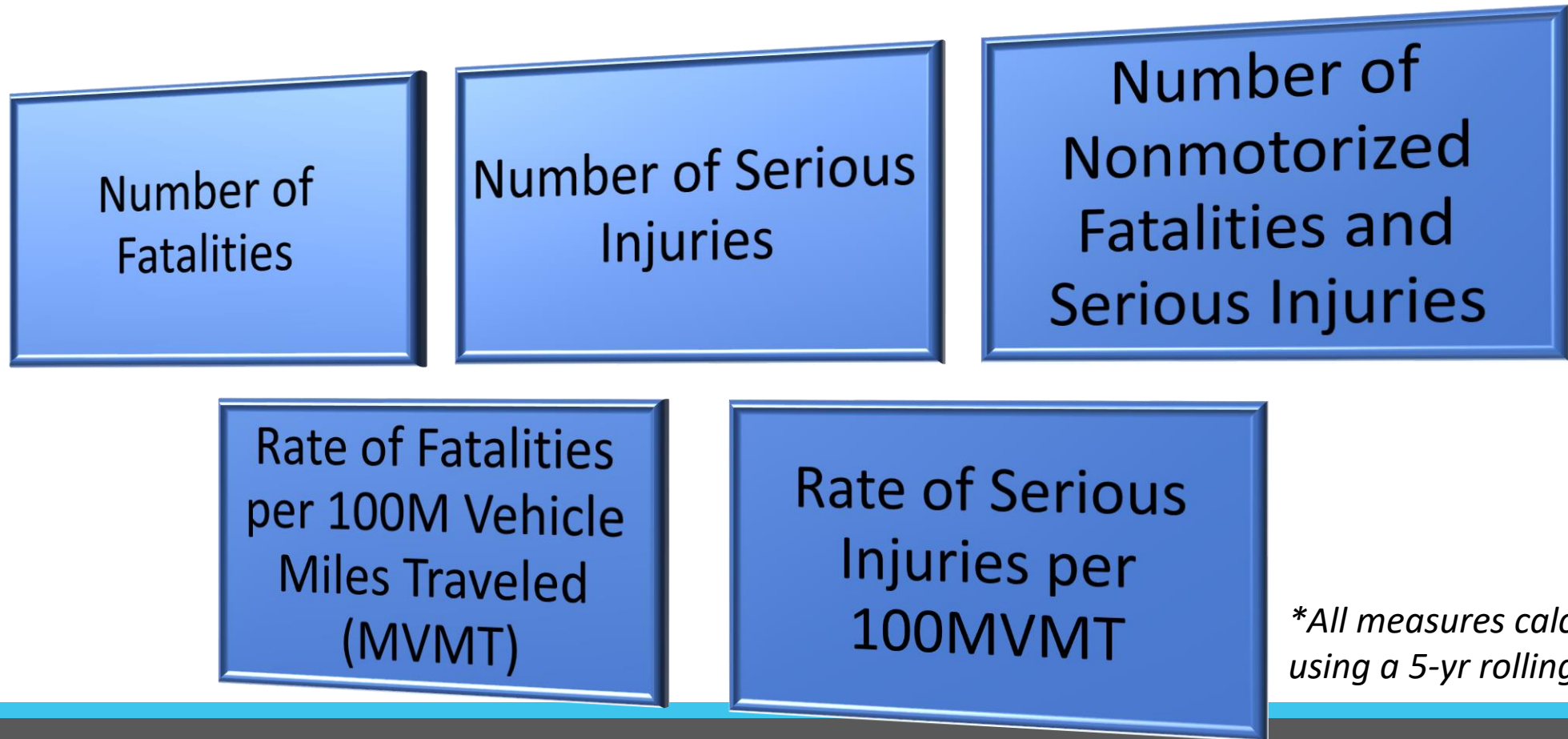


Transportation sales surtax project plans



It's Time Hillsborough 2045 LRTP adoption

Performance Management Measures for the Highway Safety Improvement Program (HSIP)



Process and Schedule for Safety Target-setting

**TIPs and LRTPs adopted or amended after February 27, 2020 are required to report safety targets*

State Targets

September 5, 2019

FDOT submitted to FHWA a CY2020 target of ZERO for all five safety performance measures

MPO Targets

No later than February 27, 2020

MPOs must establish safety targets for CY2020 within 180 days after the state establishes targets

FHWA Review

Anticipated December 2020

FHWA will assess whether the state met or made “significant progress” toward meeting the targets and will report findings by March 31, 2021

Today



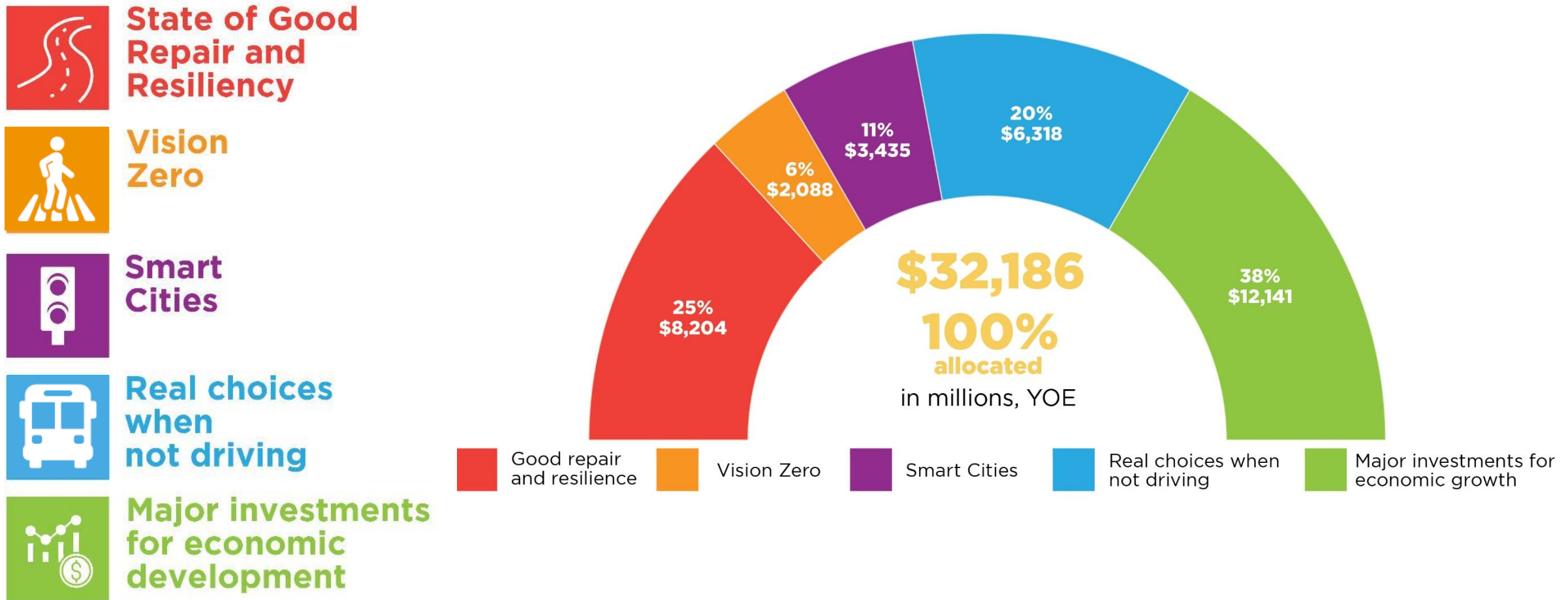
2019

2020

2021

2022

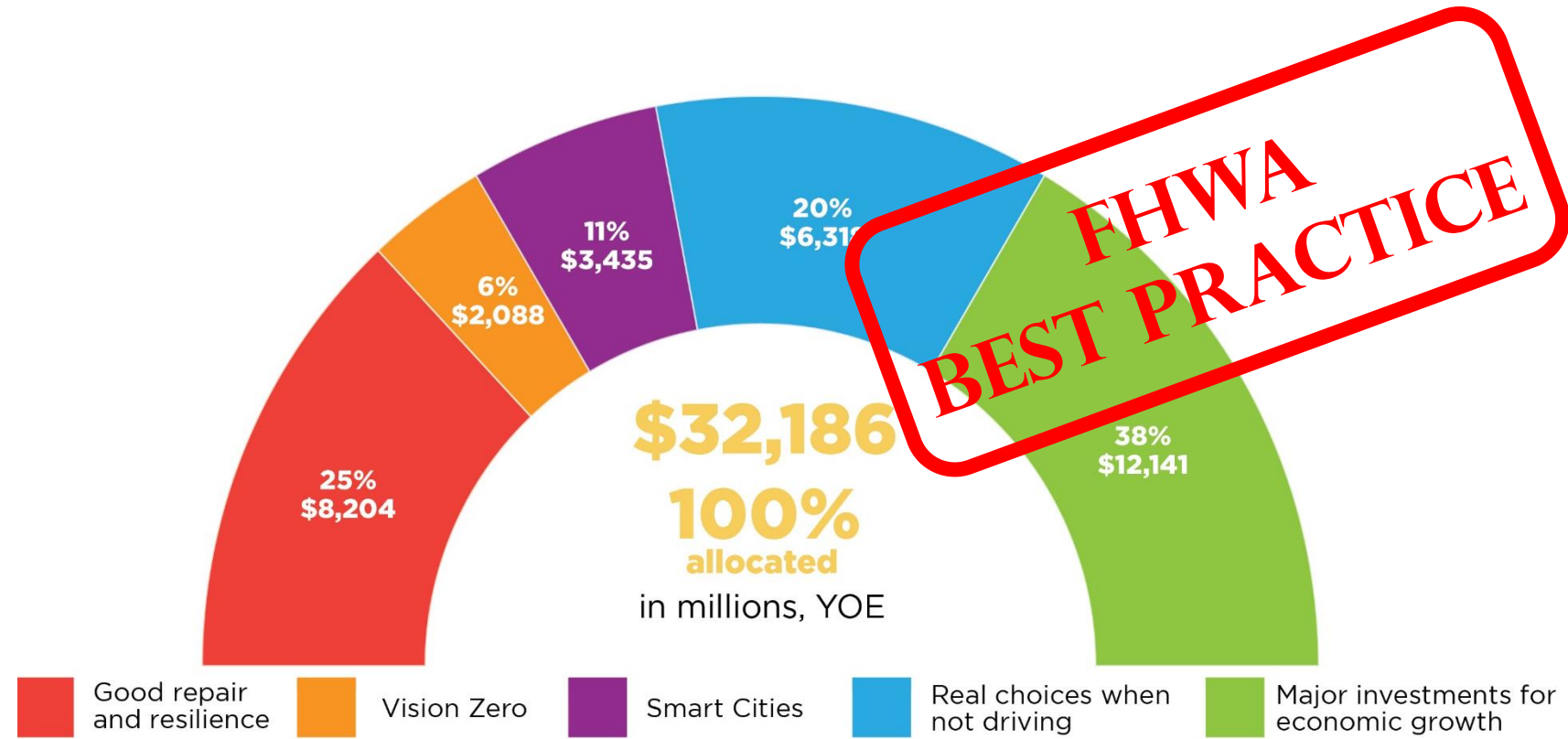
Forecasting Future Performance '26-'45



It's TIME survey: provide Alternatives to driving * use Technologies * reduce Congestion

Forecasting Future Performance '26-'45

-  **State of Good Repair and Resiliency**
-  **Vision Zero**
-  **Smart Cities**
-  **Real choices when not driving**
-  **Major investments for economic development**



It's TIME survey: provide Alternatives to driving * use Technologies * reduce Congestion

Forecasting Future Performance '26-'45



State of Good Repair and Resiliency

Resurface all roads every **17** years **3** major & **11** minor bridge rehabilitation/replacements annually

Reduce average fleet age from **9** years to **7** years Reduce bus breakdowns by **50%**

Protect **250** miles of highly vulnerable and critical roads from heavy rain with shoreline protection pavement hardening, and stormwater drainage improvements.



Smart Cities

reduce delay from future traffic growth by **80%** improve travel time reliability by **30%**



Vision Zero

Install streetlights on **500** miles of unlit major roads fill **1,400** miles of sidewalk gaps

complete streets treatments on **350** miles of high crash roads Reduce crashes by **35%**



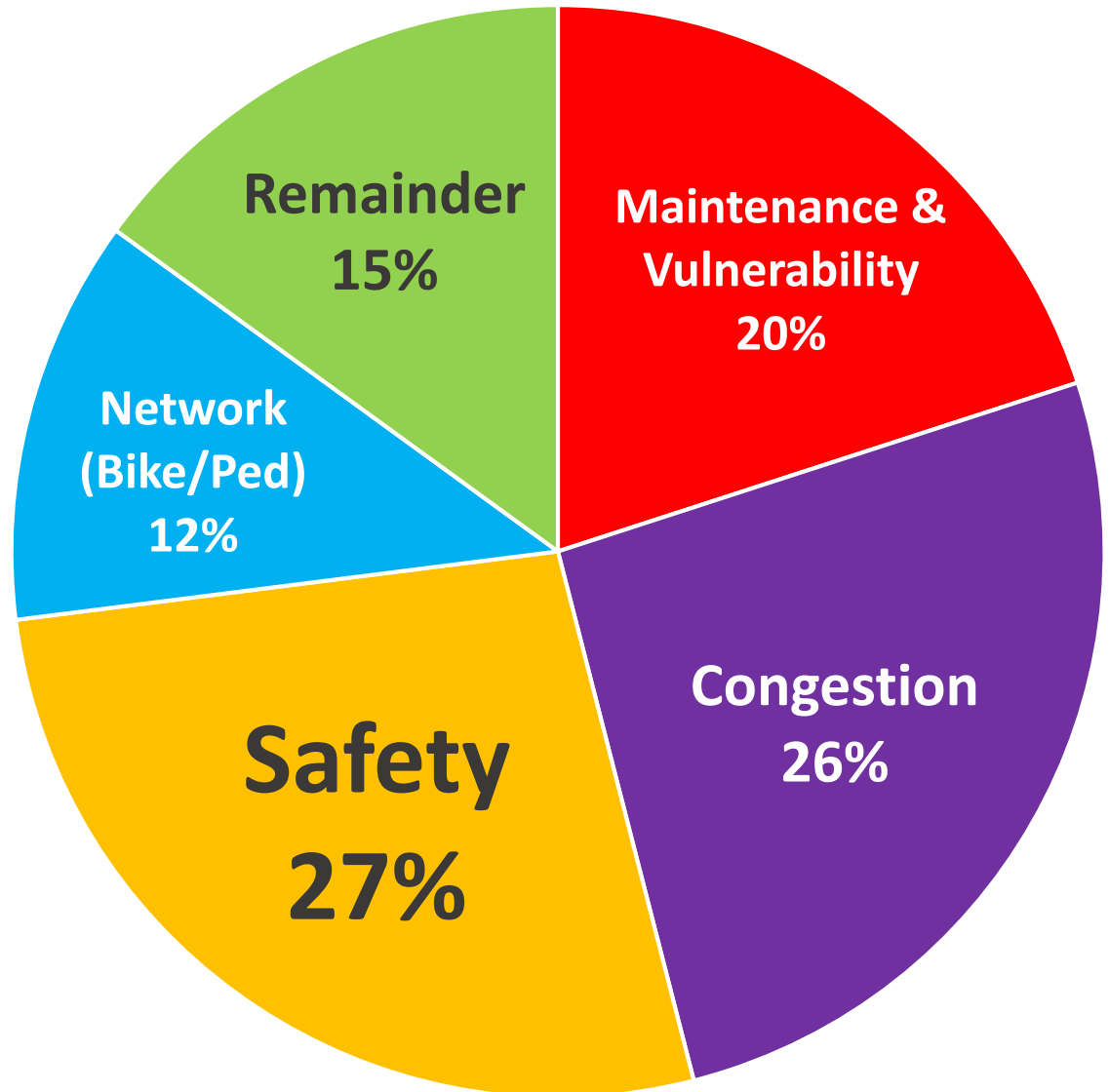
Real choices when not driving

improve bus frequency on approximately **800** miles of roads

build **150** miles of trails transition **34%** of paratransit trips to fixed-route

How to Reach 35% Reduction by 2045

- 1400 sidewalk miles, for continuous coverage on *at least* one side of all major roads
- 500 miles of new standard streetlights, including operational costs for 20 years
- 370 miles of *Complete Streets* treatments, covering high-crash corridors and more



Hillsborough MPO 2045 Goal REDUCE TOTAL CRASHES

by
35%

That's an annual crash reduction of 2.1%

A photograph of Fletcher Avenue showing a street intersection. In the foreground, a black sedan is stopped at a crosswalk. Pedestrians, including a group of cheerleaders in green and white uniforms, are crossing the street. Traffic signs include a yellow diamond-shaped pedestrian crossing sign and a rectangular sign that says "STOP FOR PEDESTRIANS". The background shows a commercial area with buildings and a clear blue sky with scattered clouds.

Fletcher Avenue

Segment was constructed in 2014

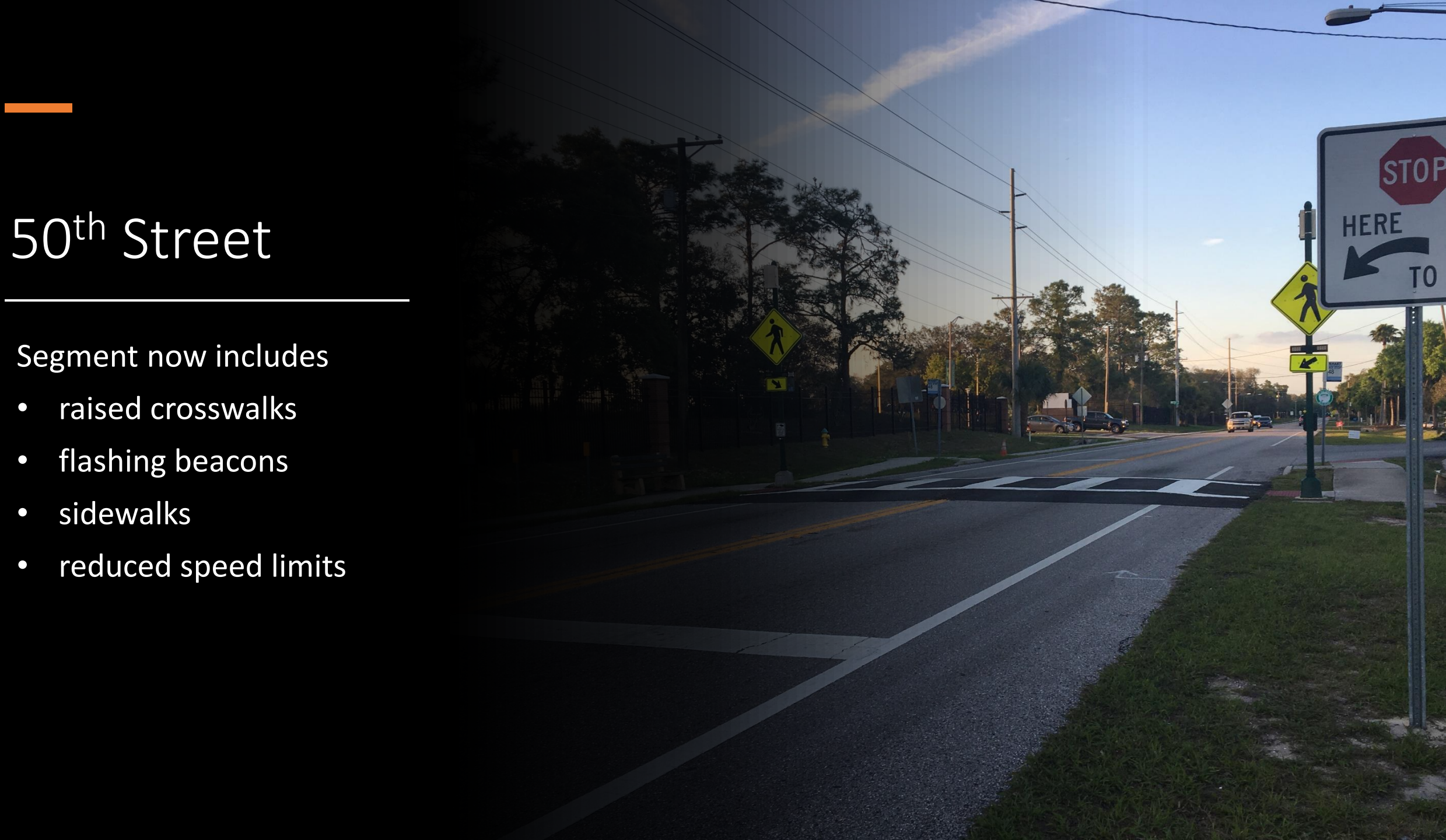
- Auto traffic vol ↑
- Avg speed ↓
- Bike & ped vols ↑
- Serious injuries ↓46%
- Fatal crashes ↓60%

Surtax revenue could fund approx. 7 of these projects each year

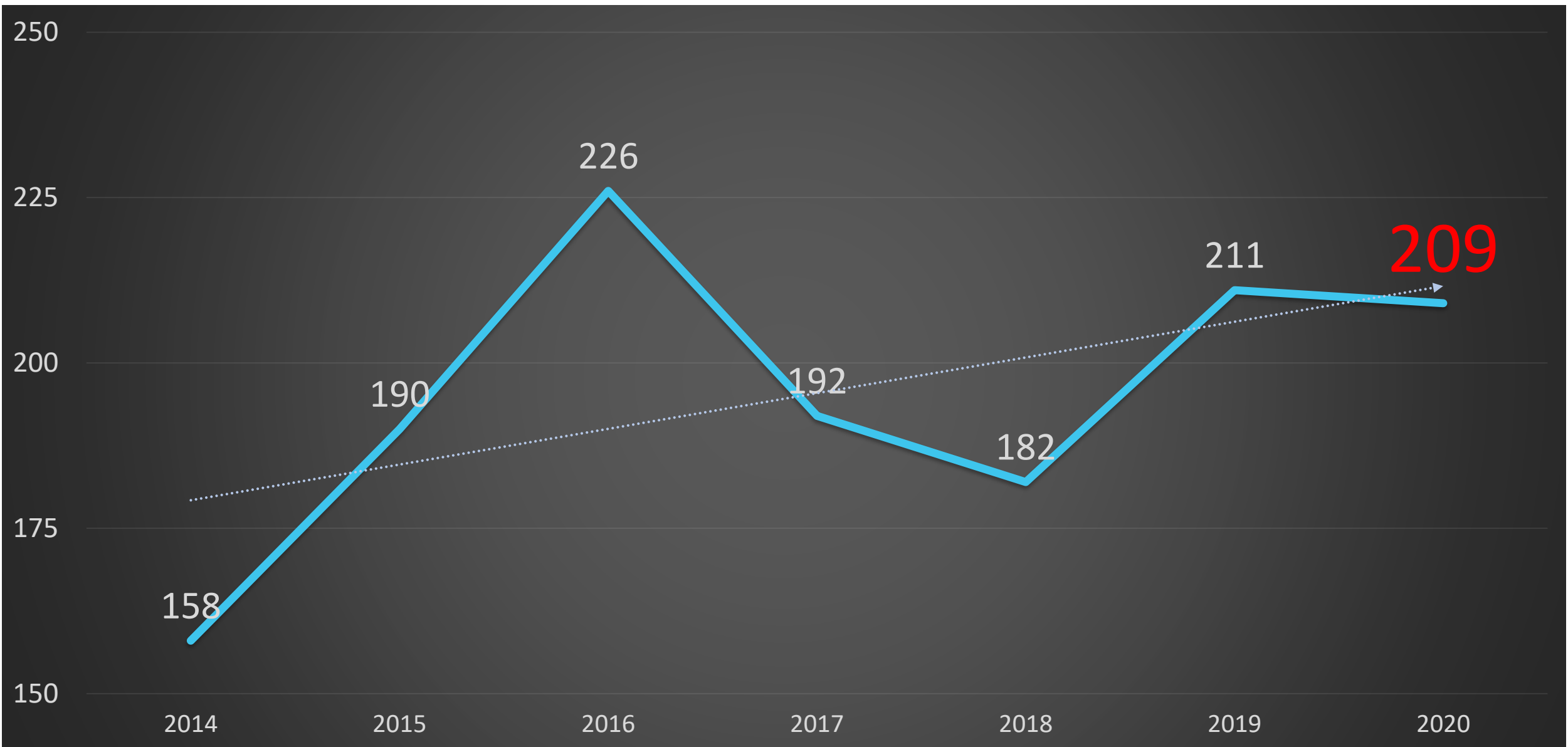
50th Street

Segment now includes

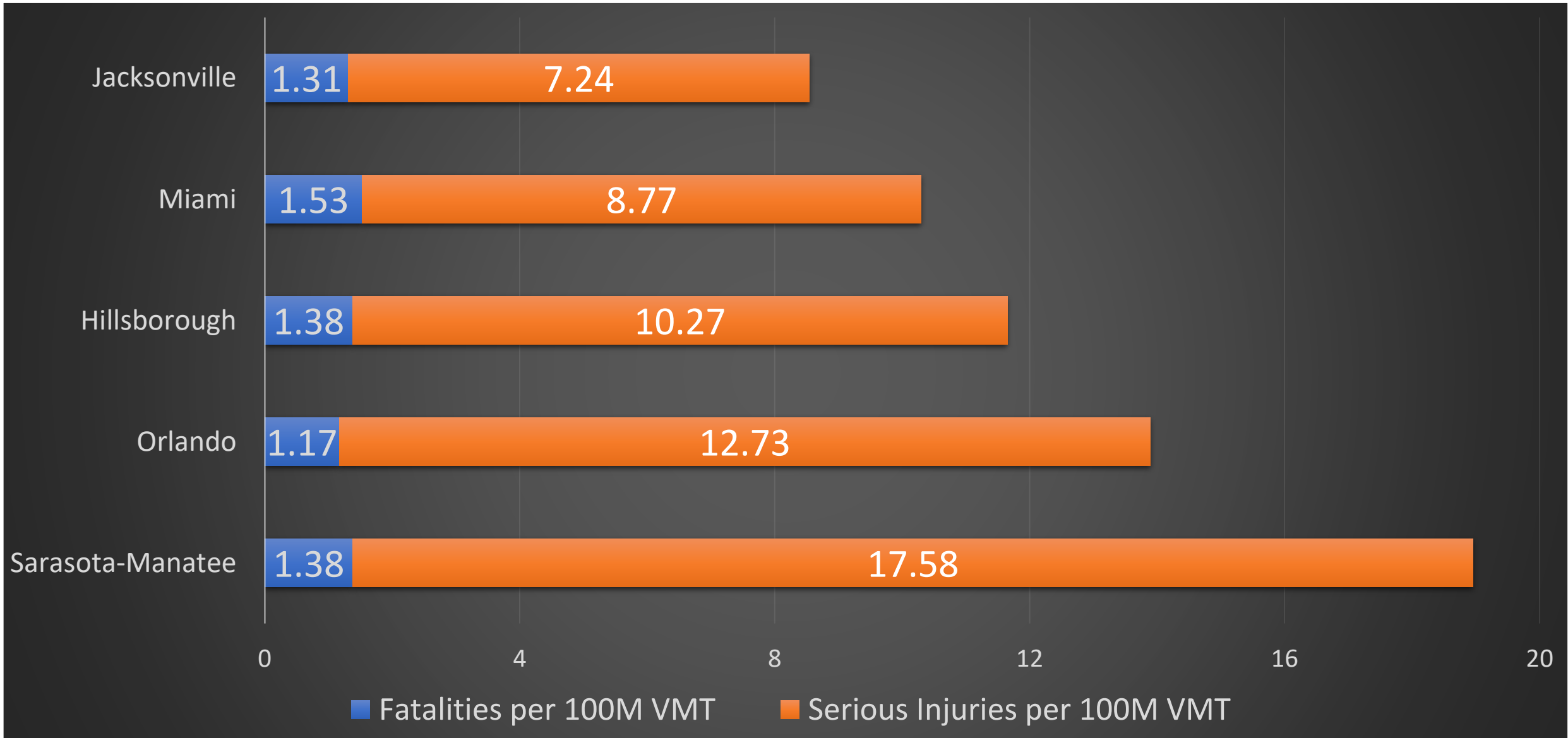
- raised crosswalks
- flashing beacons
- sidewalks
- reduced speed limits



Annual fatalities target, projected thru

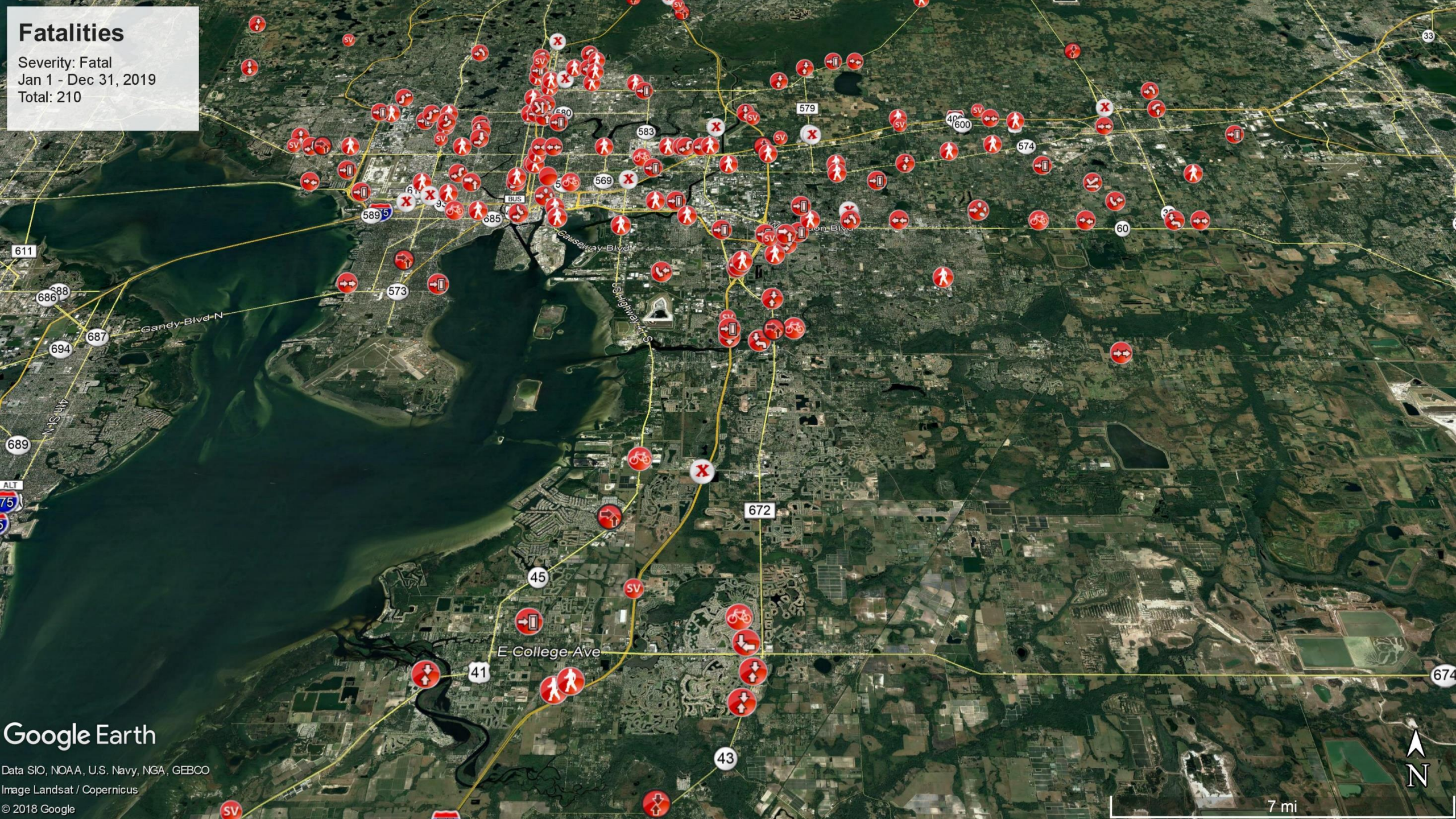


Hillsborough compared to other major FL metros, 2018

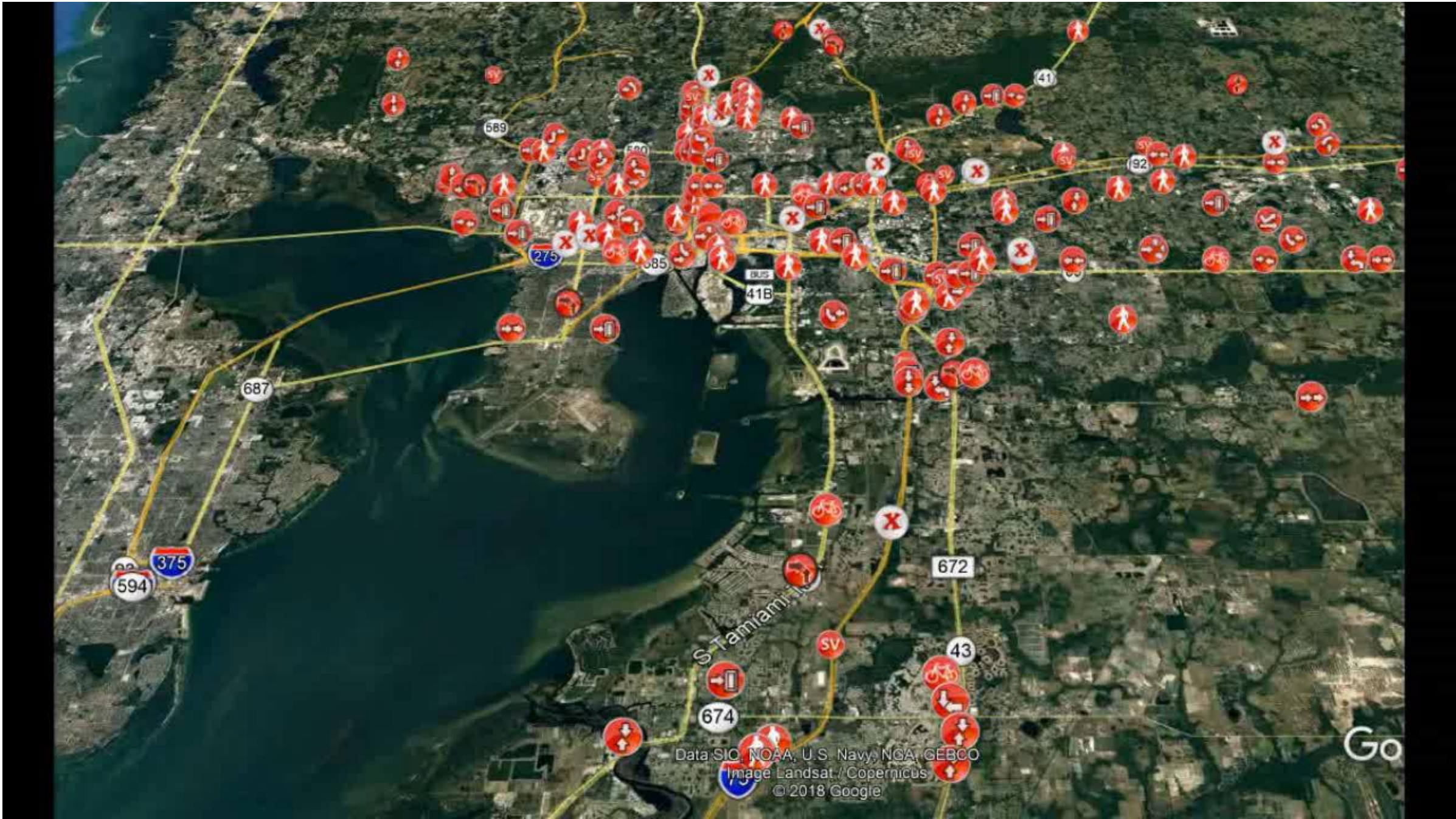


Fatalities

Severity: Fatal
Jan 1 - Dec 31, 2019
Total: 210



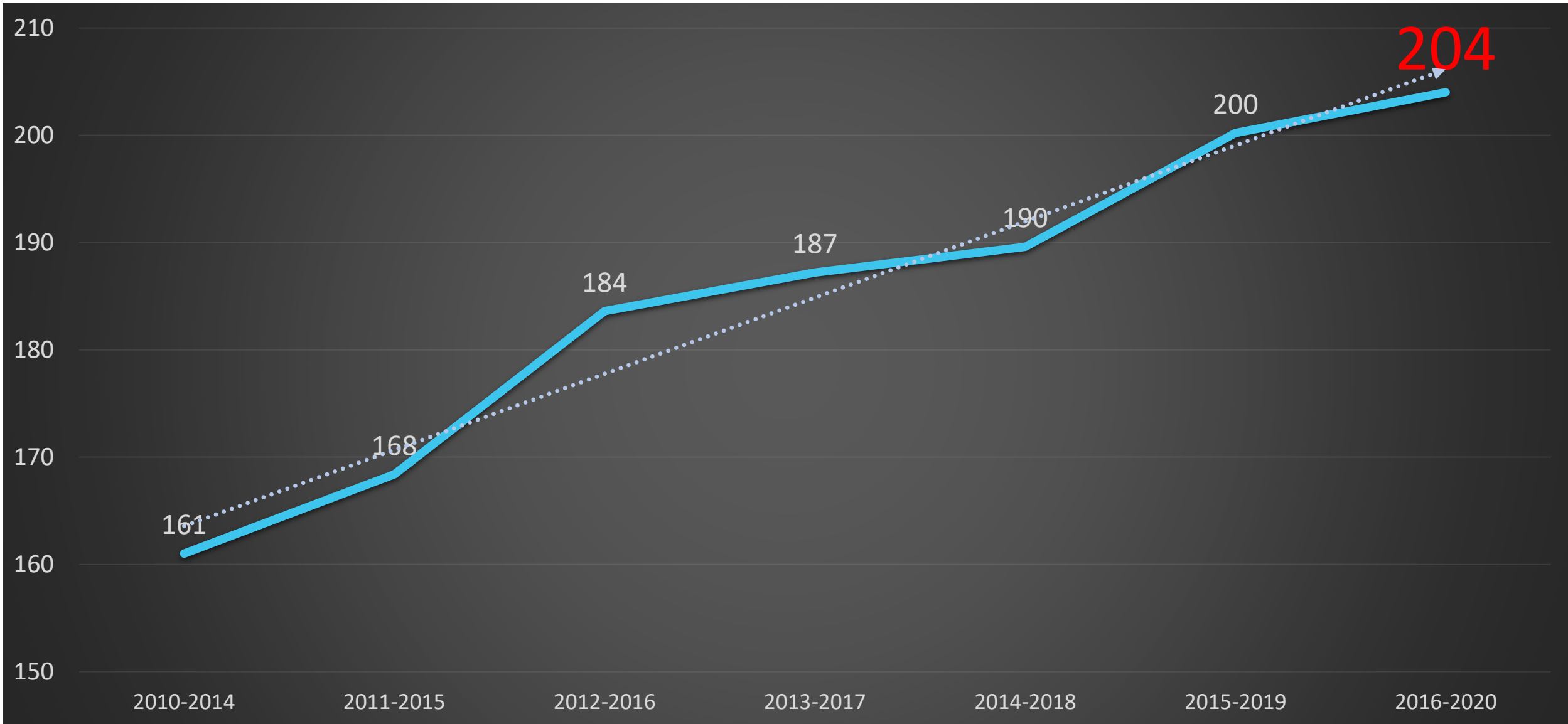
Google Earth



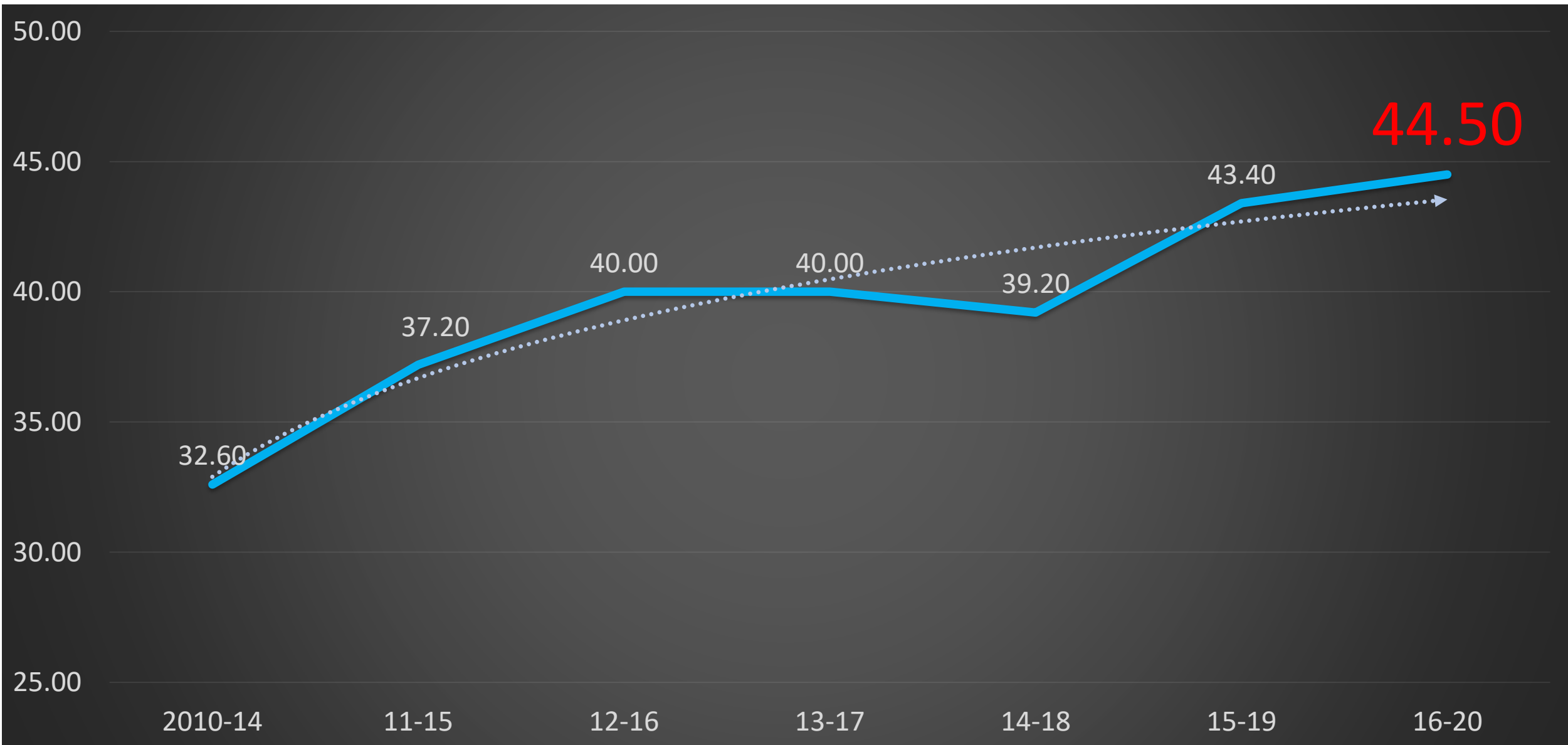
Data: SIC, NOAA, U.S. Navy, NGA, GEBCO
Image Landsat / Copernicus
© 2018 Google

Go

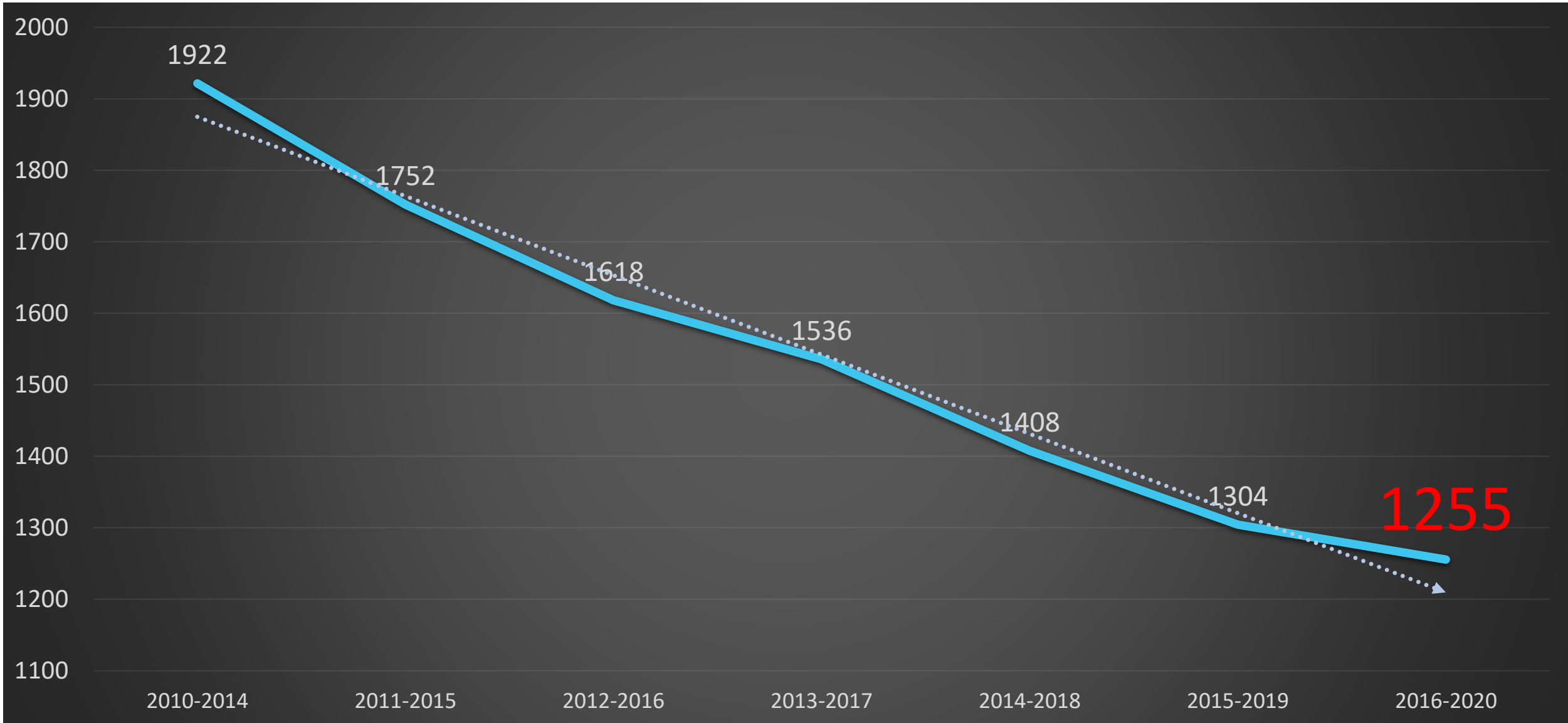
Fatalities target, 5-yr Rolling Average



Motorcycle Fatalities target, 5-yr Rolling Average

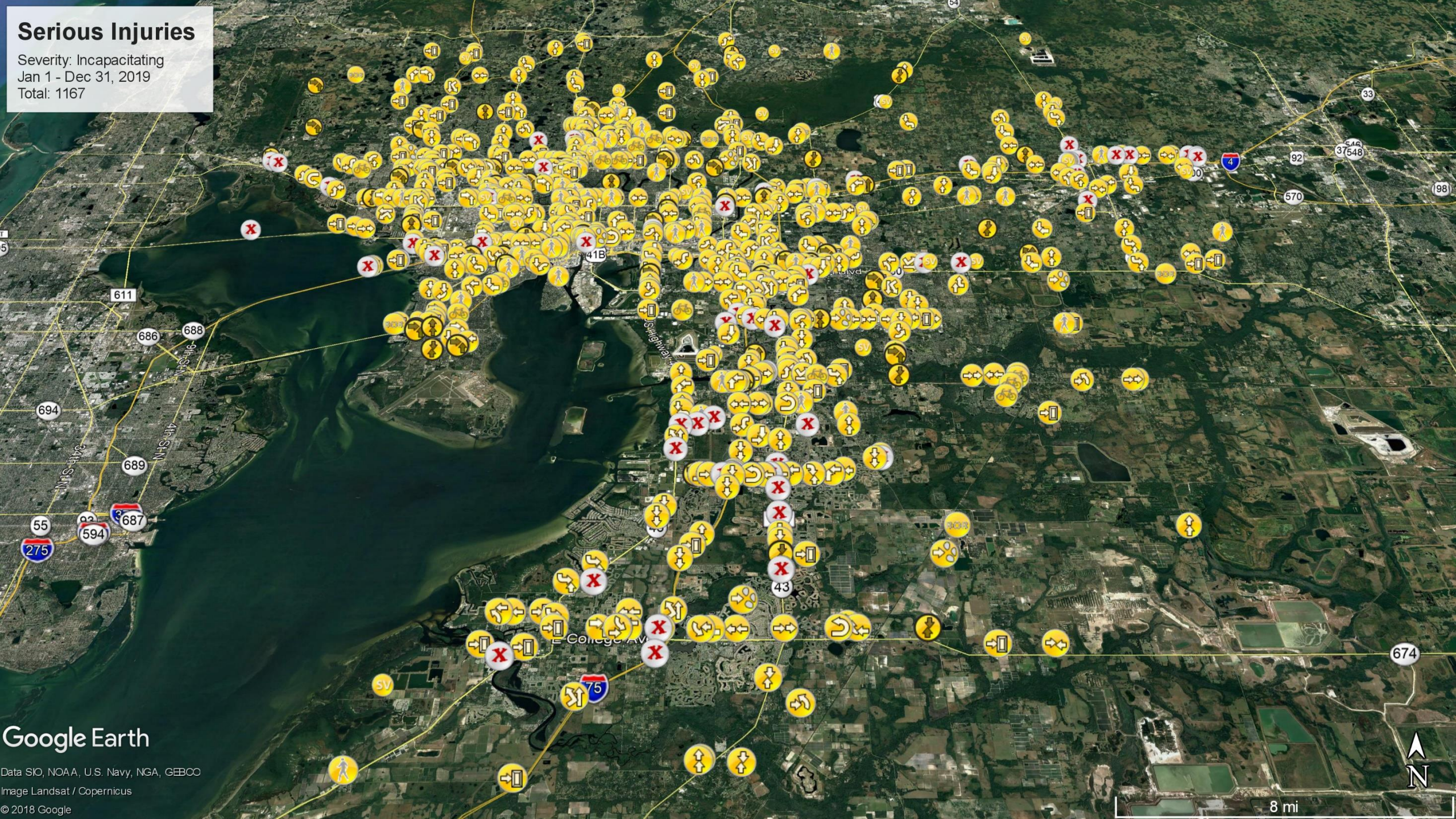


Serious Injuries target, 5-yr Rolling Average



Serious Injuries

Severity: Incapacitating
Jan 1 - Dec 31, 2019
Total: 1167



Google Earth

Data SIO, NOAA, U.S. Navy, NGA, GEBCO

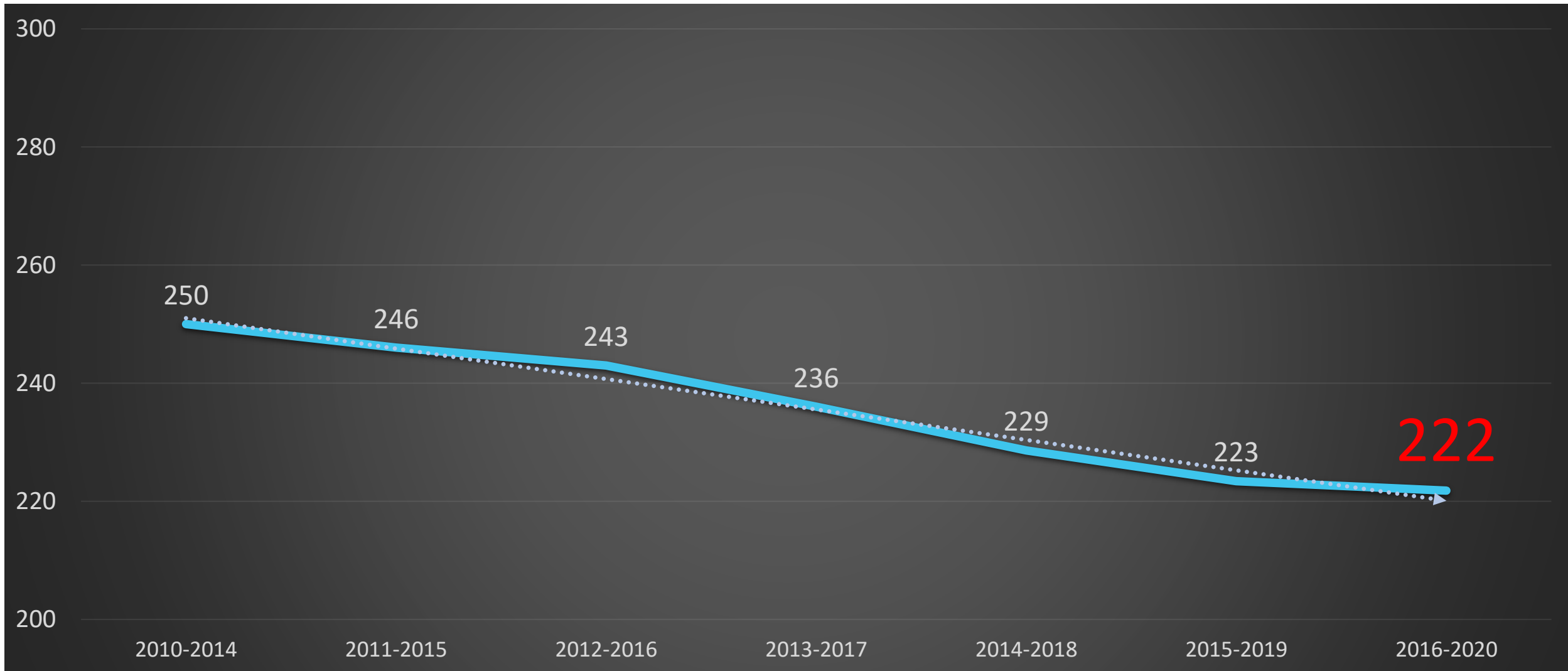
Image Landsat / Copernicus

© 2018 Google



8 mi





Nonmotorized Fatalities & Serious Injuries, 5-yr Rolling Average

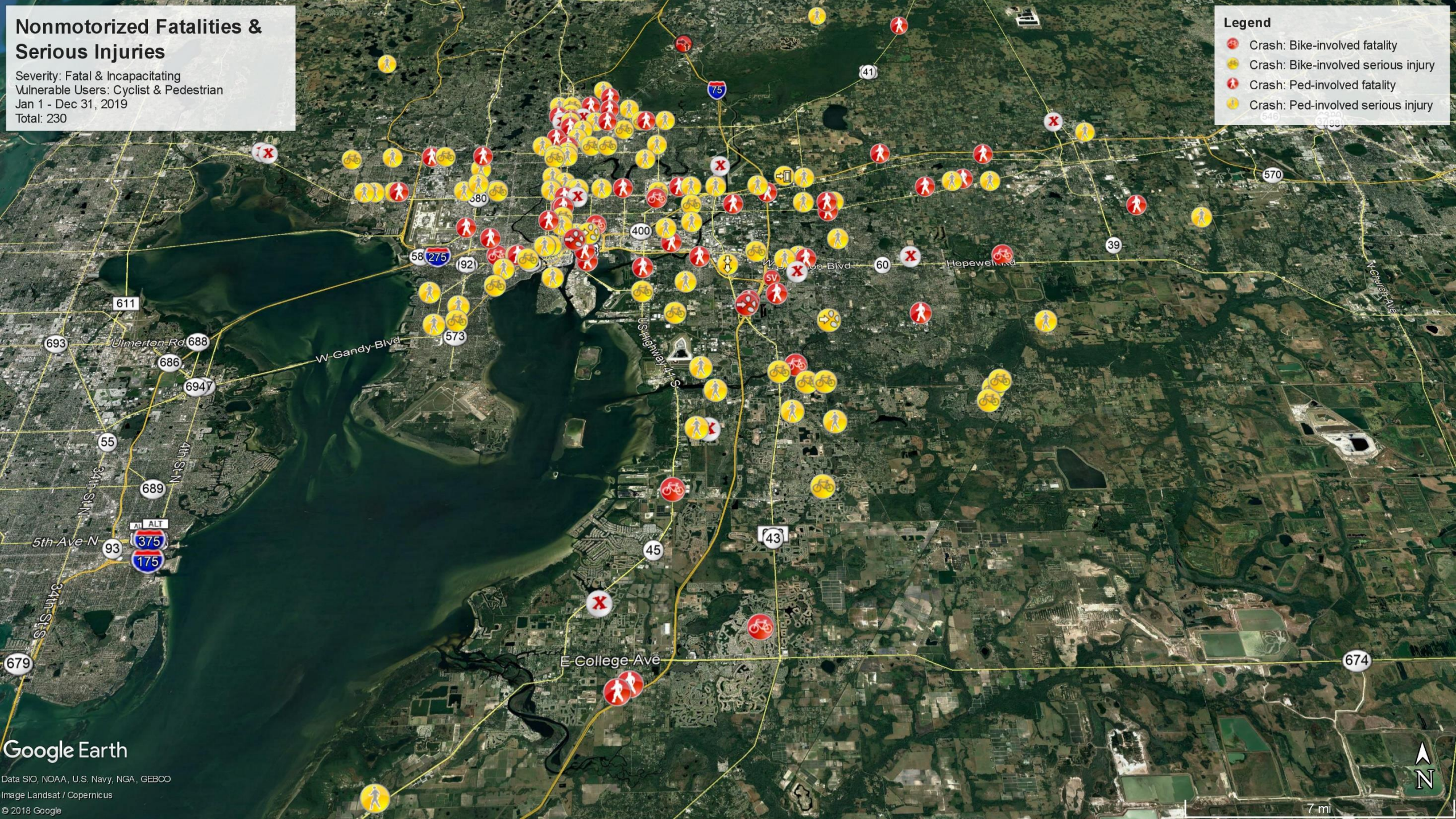


Nonmotorized Fatalities & Serious Injuries

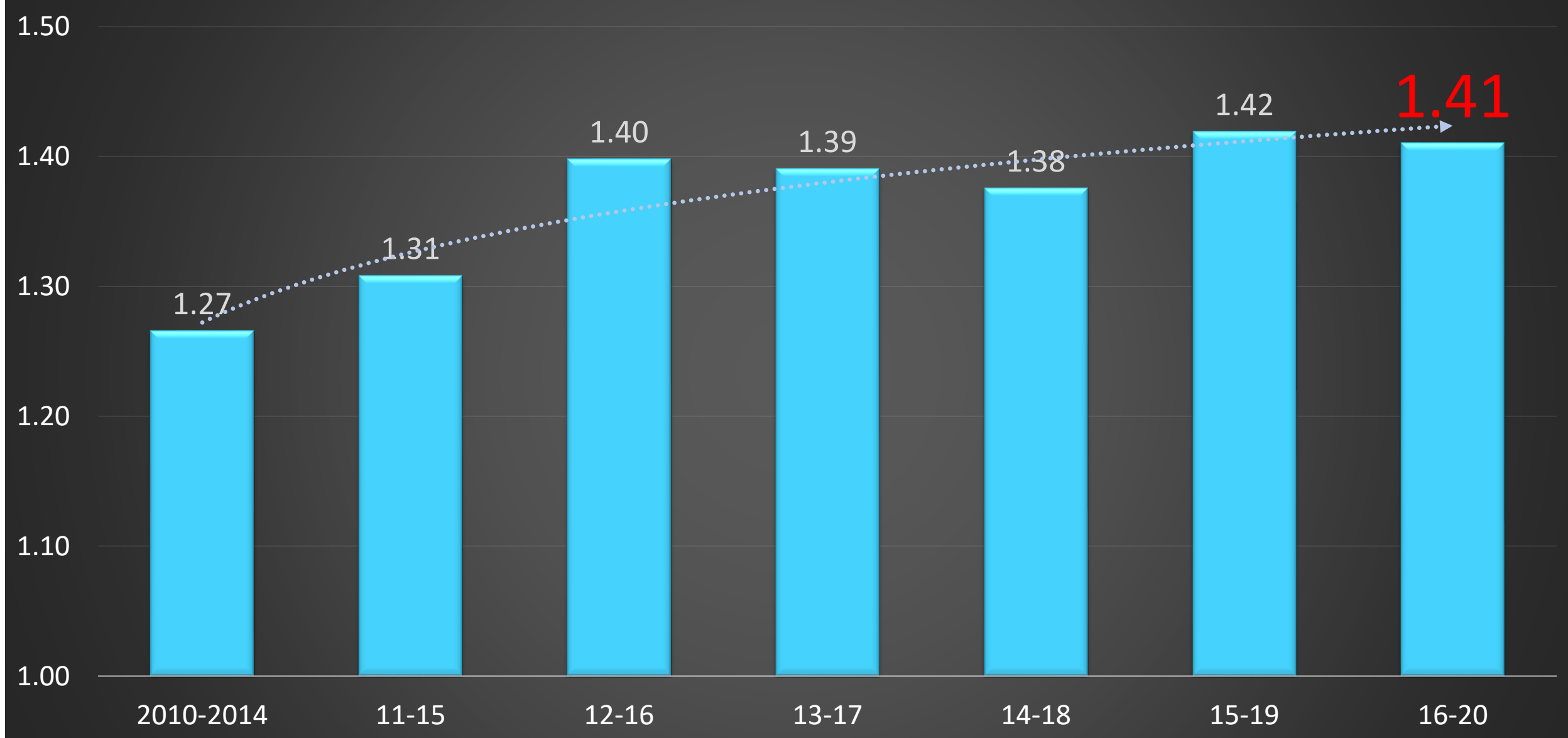
Severity: Fatal & Incapacitating
Vulnerable Users: Cyclist & Pedestrian
Jan 1 - Dec 31, 2019
Total: 230

Legend

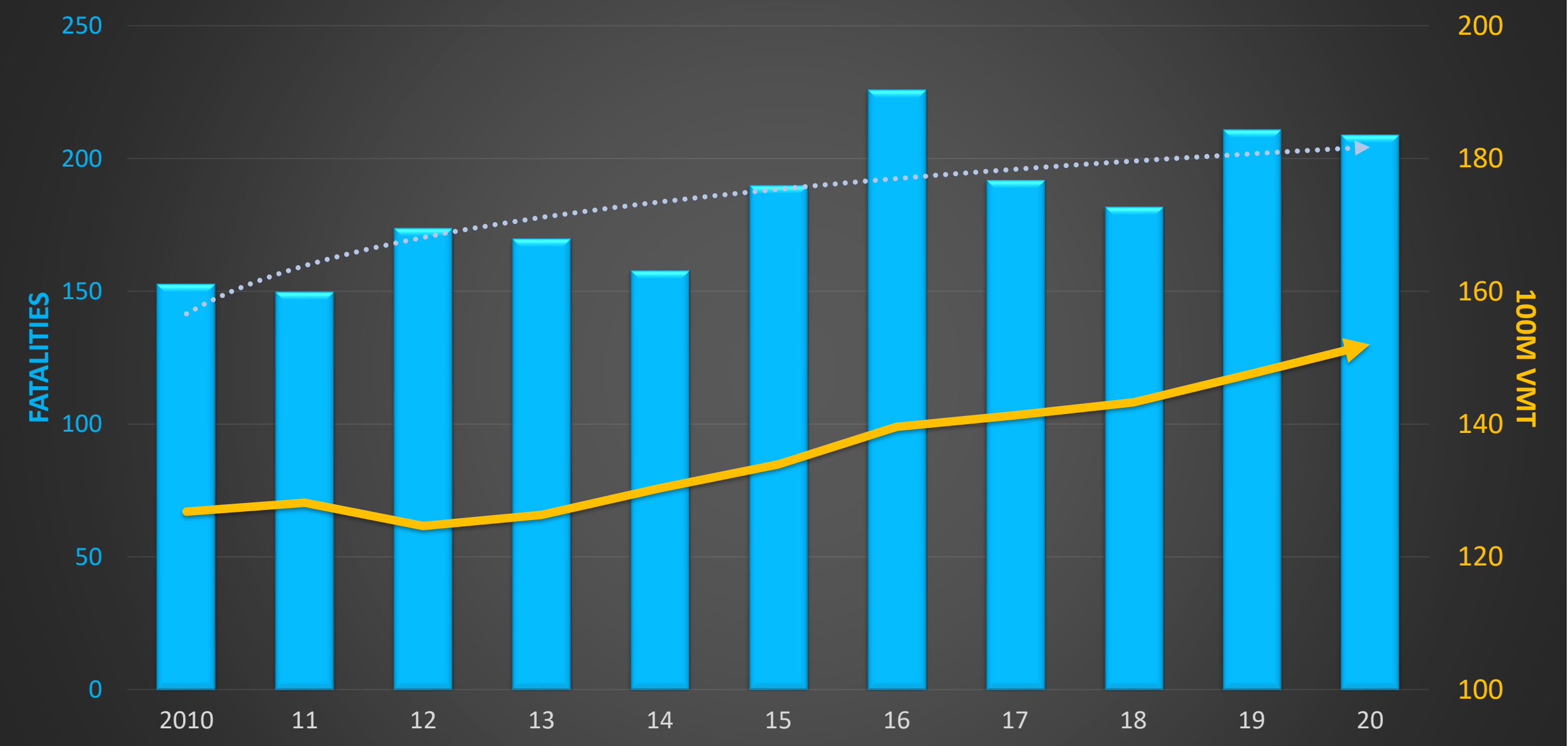
-  Crash: Bike-involved fatality
-  Crash: Bike-involved serious injury
-  Crash: Ped-involved fatality
-  Crash: Ped-involved serious injury



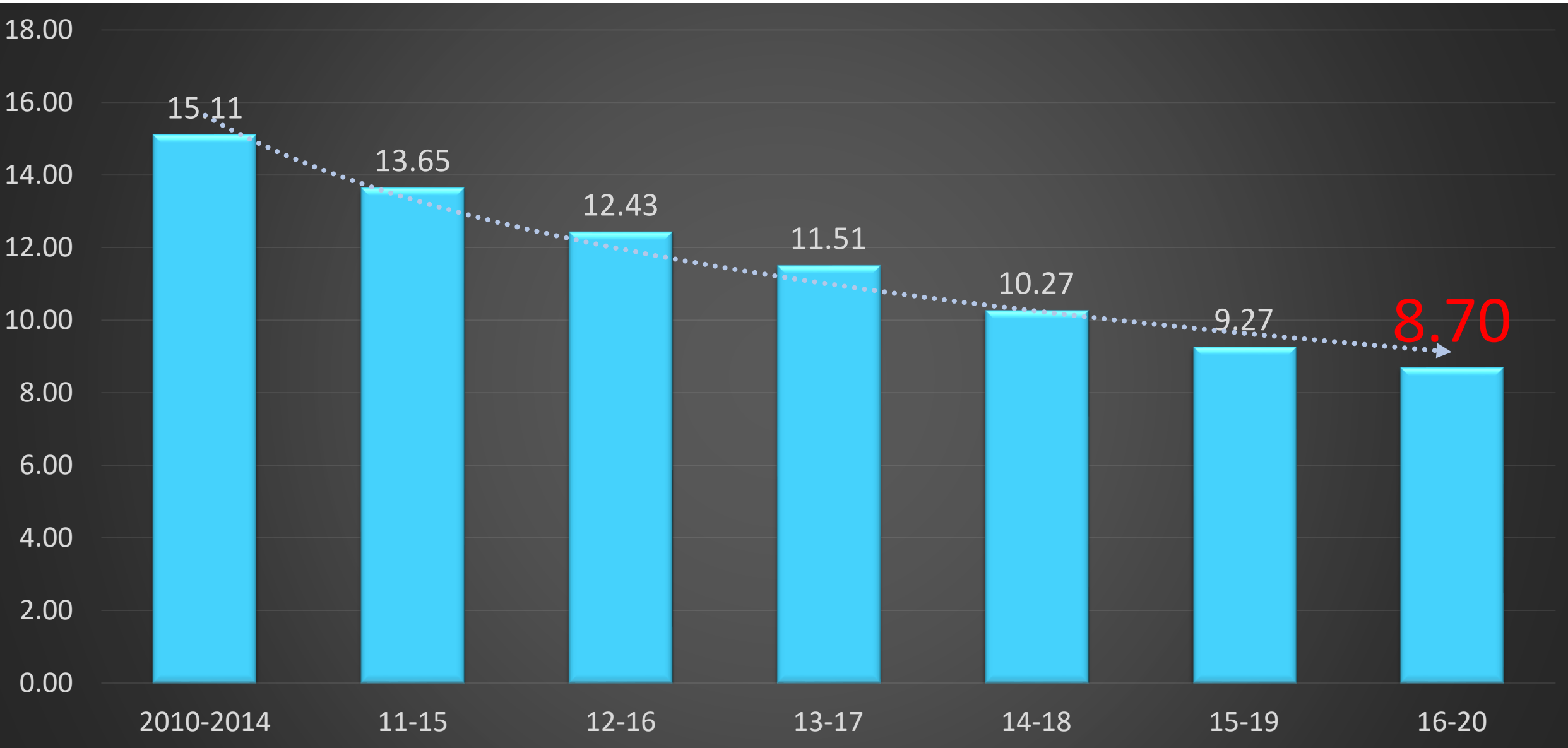
Fatality Rate per 100MVMT, 5-yr Rolling Average



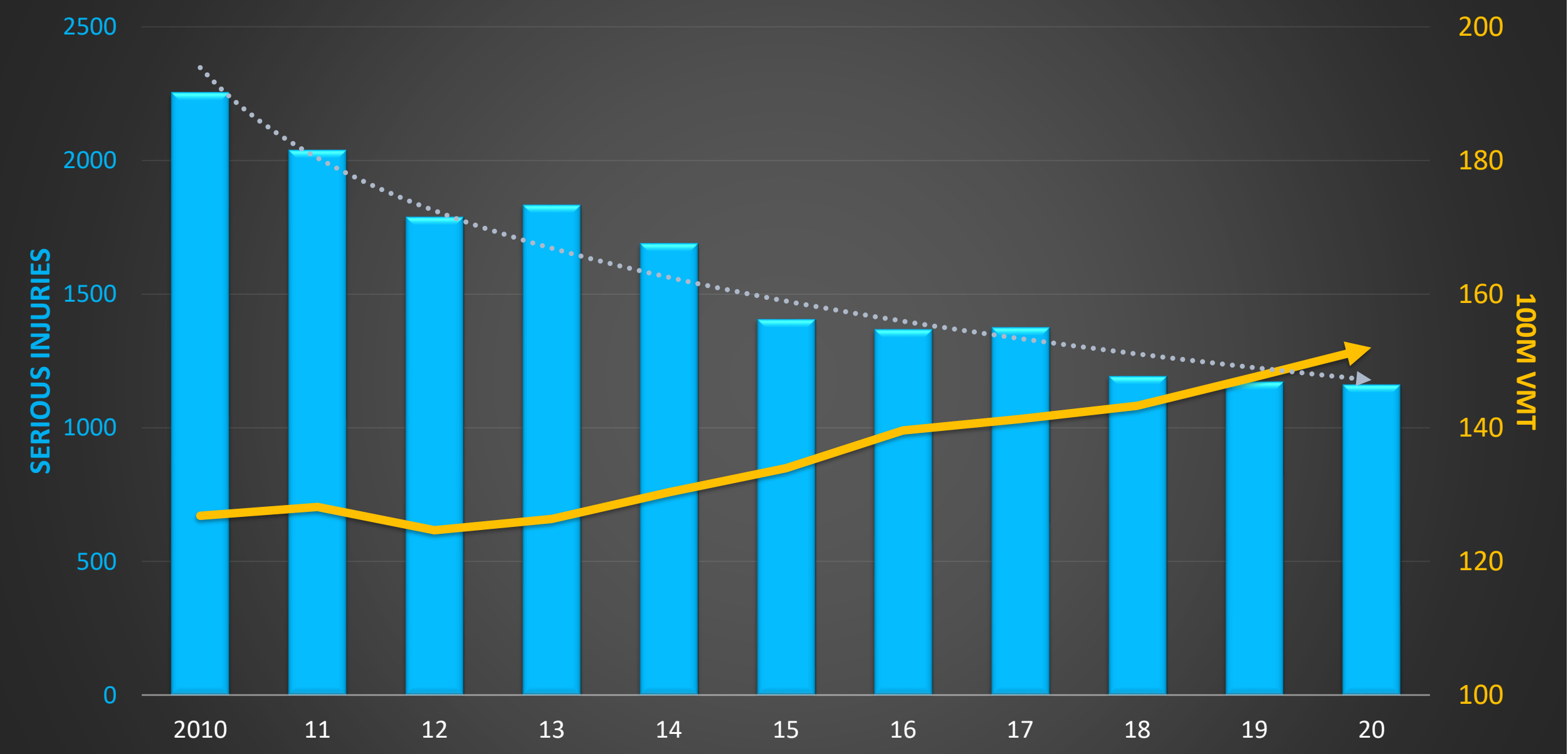
Fatalities & VMT Increase



Serious Injury Rate per 100MVMT, 5-yr Rolling Average



Serious Injuries Decrease Despite VMT Increase



Report Card

Performance Measure	2019 Target	Actual	Met Target?
Fatalities	163	211	NO
Fatalities (5yr)	188	200	NO
Serious Injuries (5yr)	1,354	1,304	YES
Nonmotorized Fatalities & Injuries (5yr)	229	223	YES
Fatalities per VMT (5yr)	1.33	1.42	NO
Serious Injuries per VMT (5yr)	9.55	9.27	YES

Recommended Action:

Based on the adopted methodology,
approve the CY2020 safety targets