



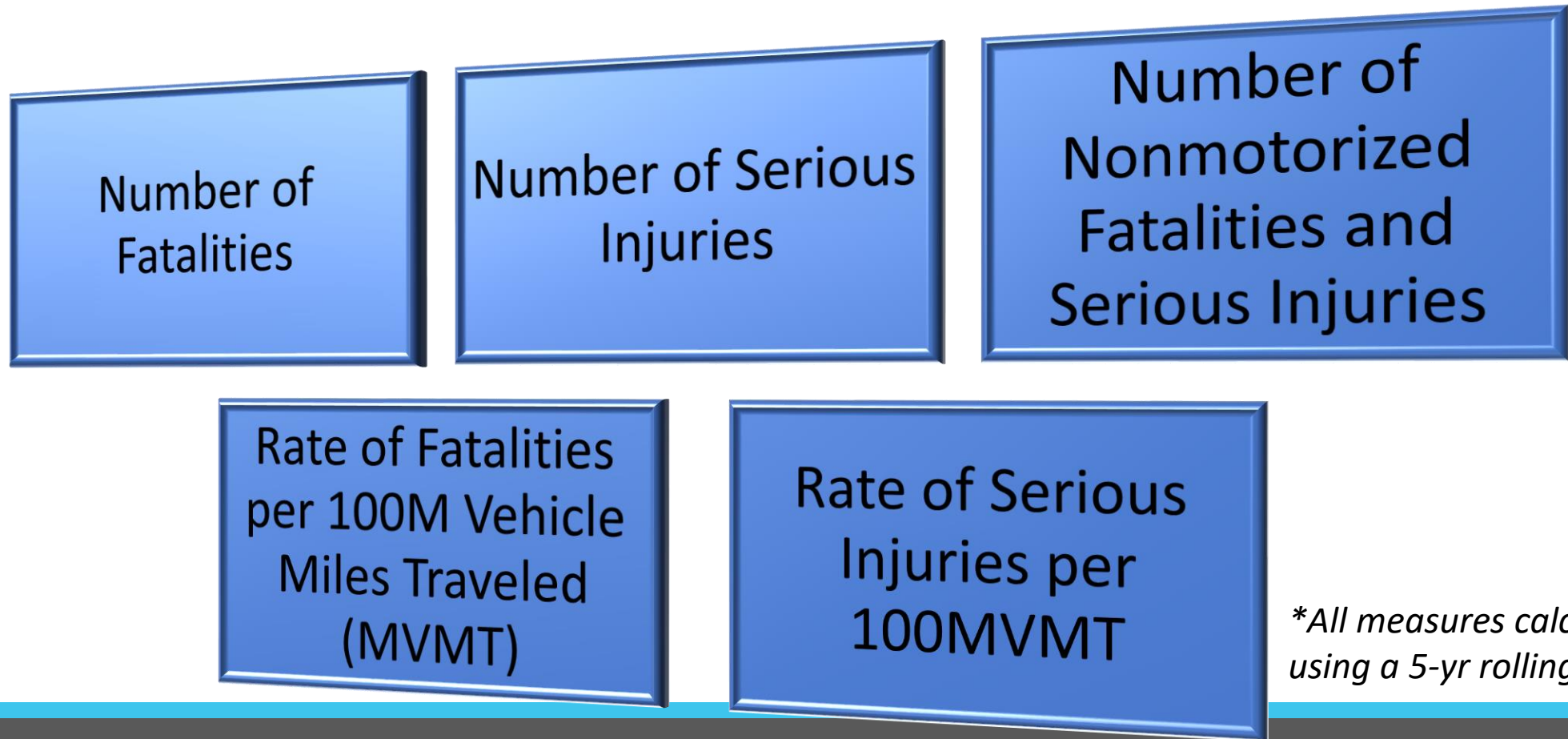
Hillsborough MPO
Metropolitan Planning
for Transportation

2019 Safety Performance Targets

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



**All measures calculated using a 5-yr rolling average*



Process and Schedule for Safety Target-setting

**TIPs and LRTPs adopted or amended after February 27, 2019 are required to report safety targets*

State Targets

August 31, 2018

FDOT submitted to FHWA a CY2019 target of ZERO for all five safety performance measures

MPO Targets

No later than February 27, 2019

MPOs must establish safety targets for CY2019 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 during CY2019, and will report findings by March 31, 2021

Today

2018

2019

2020

2021



Forecasting Future Performance

Financial Scenario 1: Status Quo (without additional funding)



Level 1

Roads repaved every 50 years on average countywide

Level 2 ½

Aging bridges replaced on time, buses every 16 years

Preserve the System



Level 1

Continue today's programs: crashes drop 10%

Level 1

Low-lying major roads usable 8 weeks after a Cat. 3 storm

Reduce Crashes & Vulnerability



Level 1

Intersections work 10% better

Level 1

Continue today's truck "quick fix" program

Minimize Traffic for Drivers & Shippers



Level 2

Add 140 miles of trails & sidepaths by 2040

Level 1

Frequent bus service for 16% of people & jobs, somewhat frequent service (every ½-hour) for 45%

Real Choices when Not Driving

Not the preferred financial scenario of the MPO Board, as a result of public feedback.

Forecasting Future Performance

Financial Scenario 8a: Funding Eq. to 1¢ sales tax Performance

Adopted scenario
for cost-feasible
2040 Plan



Level 3

Preserve the System

Roads repaved every 17 years on average, meeting standards

Level 3

Aging bridges and buses replaced on time



Level 2 ½

Reduce Crashes & Vulnerability

Complete streets & intersection projects: crashes drop 21-50%

Level 2

Low-lying major roads usable 6 weeks after a Cat. 3 storm



Level 3

Minimize Traffic for Drivers & Shippers

Intersections work 17% better, and freeways 10% better

Level 3

Two new RR overpasses remove 10-hour daily road closure



Level 3

Real Choices when Not Driving

Add 240 miles of trails & sidepaths by 2040

Level 3

Frequent bus service for 46% of people & jobs,
somewhat frequent service (every ½-hour) for 64%

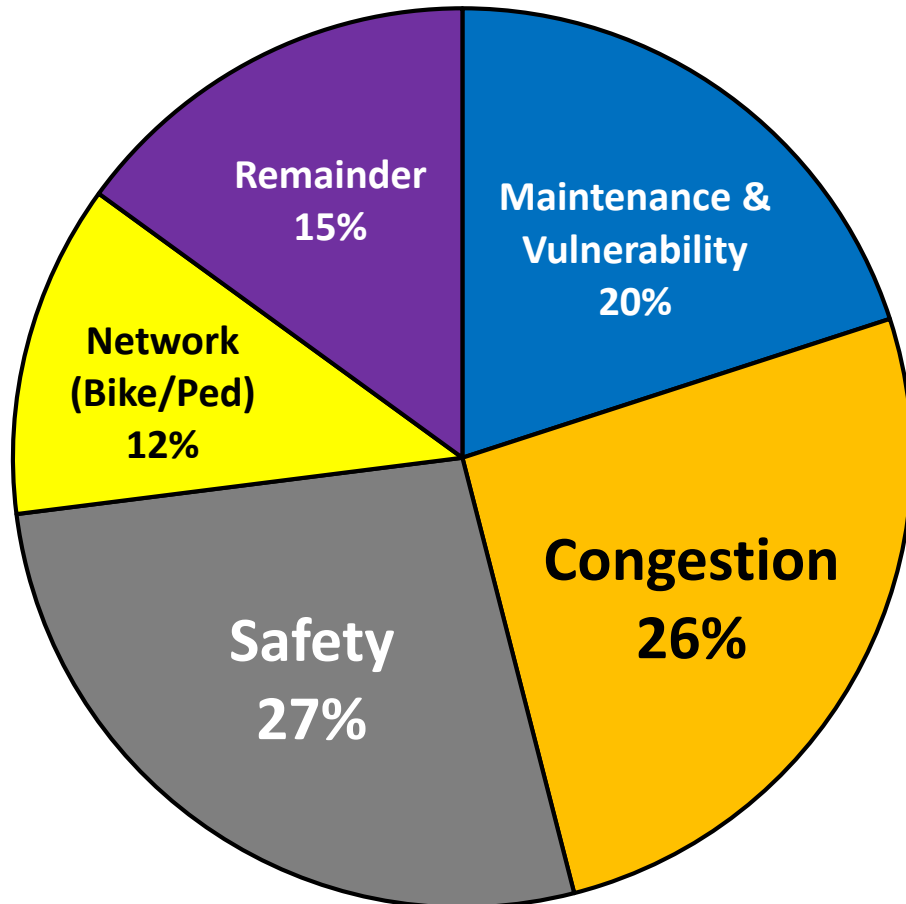
In order to reach the adopted
high-investment goal of
reducing crashes 51% by 2040,

Must Reduce Crashes
3.4% every year



How to Reach a 51% Reduction by 2040

County Surtax, General Purpose Funds



What Safety Improvements Could be Funded with Surtax Revenue?

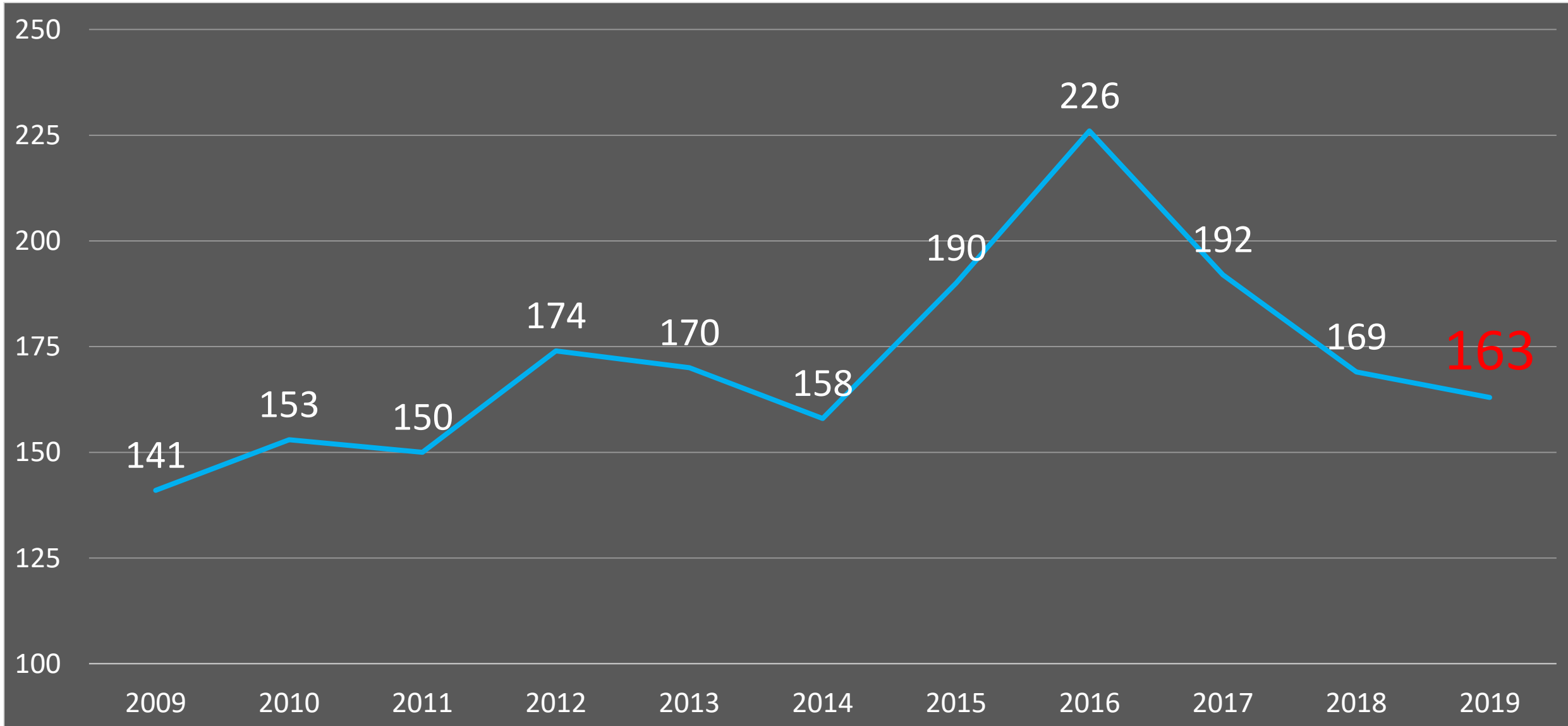
- 450 miles of “Complete Streets” treatments, covering all priority corridors and some other high-crash corridors
- 600 miles of new standard streetlights, including operational costs for 20 yrs
- 300 sidewalk miles, for continuous coverage on *at least* one side of all major roads

Complete Streets

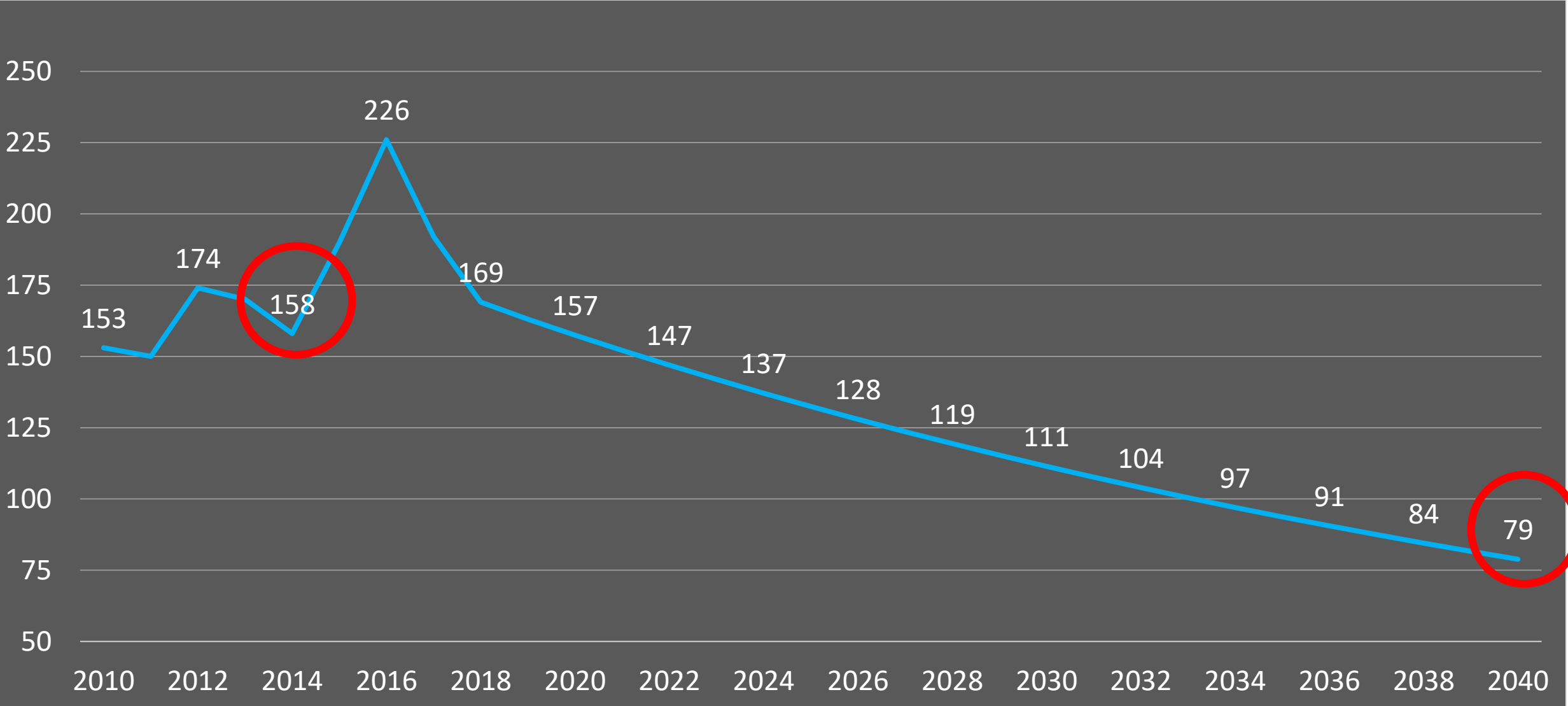
- Fletcher Ave between Nebraska Ave and 50th Street was identified as an area of high pedestrian use and high pedestrian crash rates
- This 3.02 mile segment was constructed in 2014
 - From 2010-2013, there were **93** fatal & serious injury crashes
 - From 2015-2018, there were **38** fatal & serious injury crashes
- Surtax revenue could fund approx. 7 of these projects each year



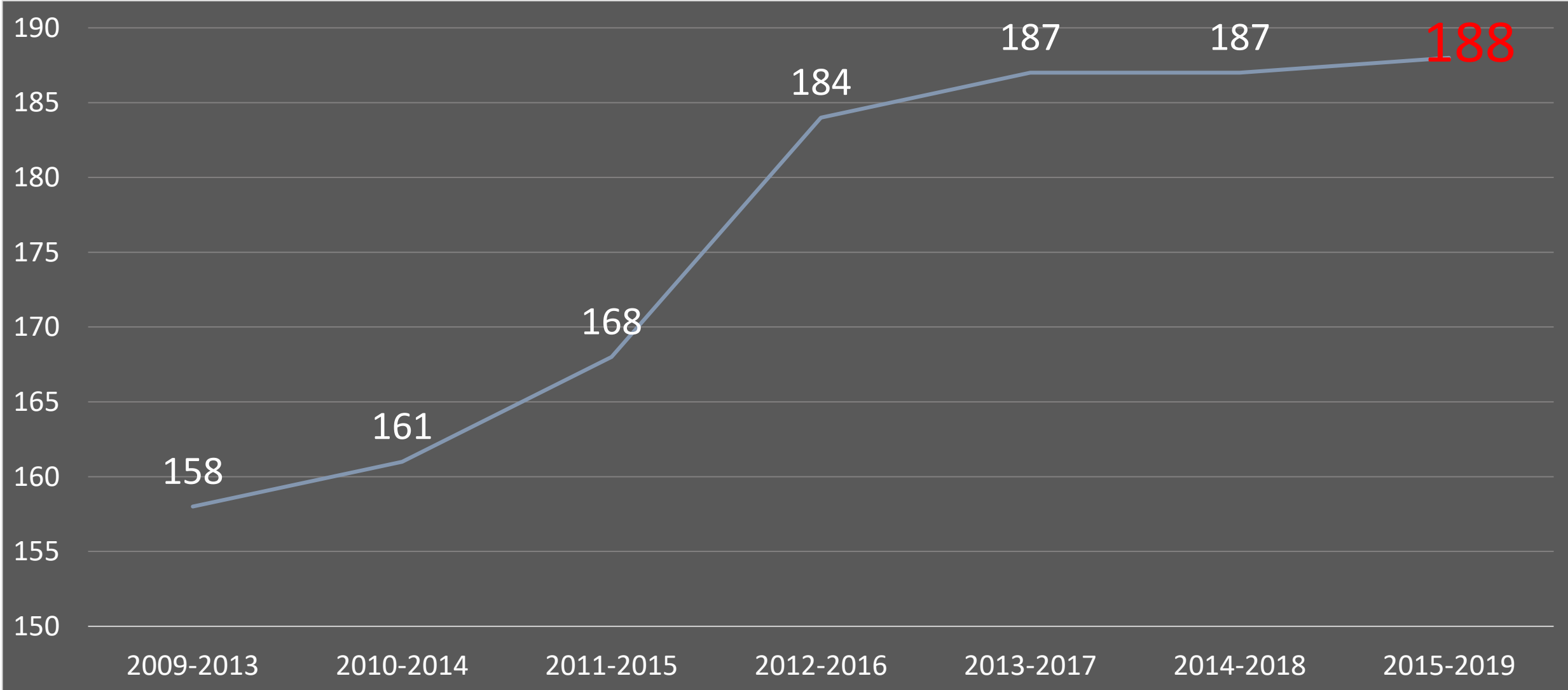
Annual Fatalities, Projected to 2019



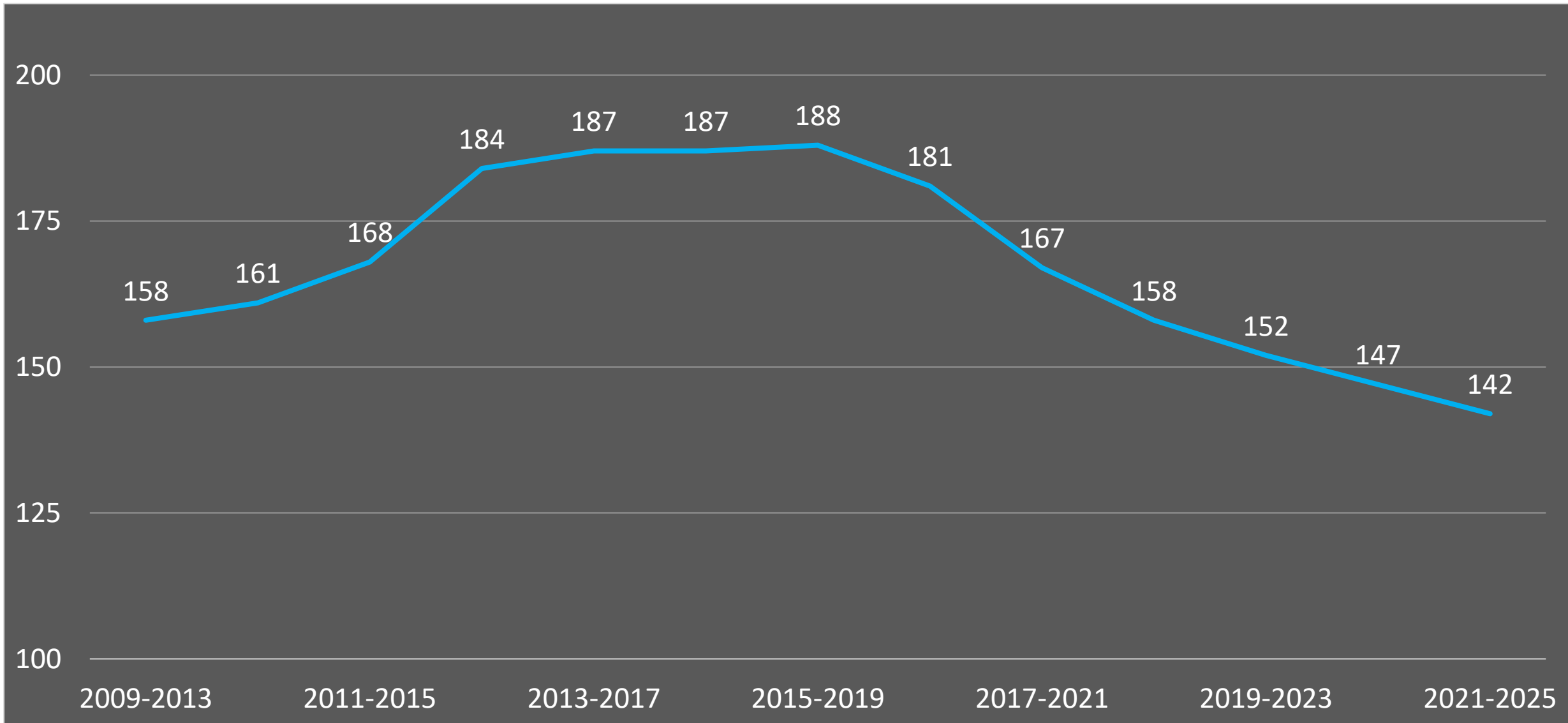
With a sustained 3.4% annual fatality reduction...



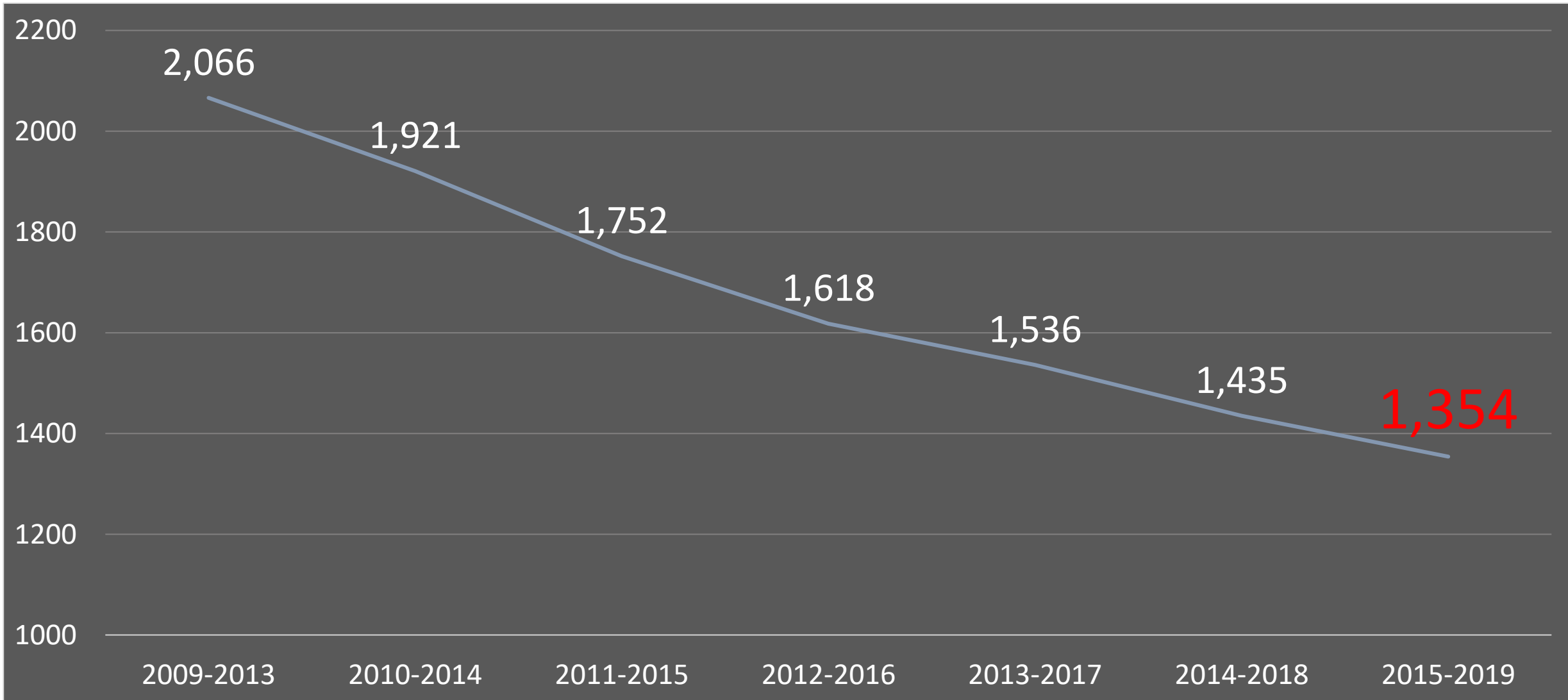
Fatalities, 5-yr Rolling Average from 2009-2019



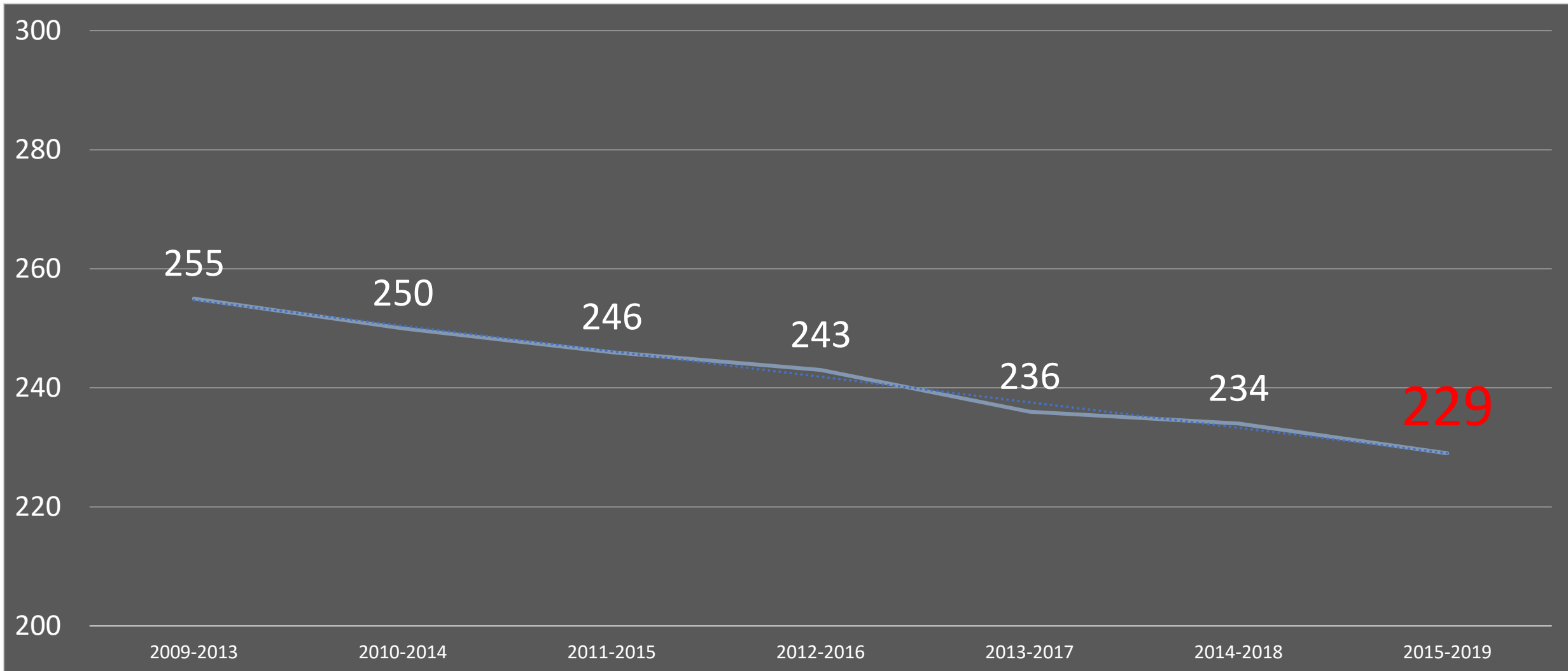
Fatalities, Projected 5-yr Rolling Average from 2009-2025



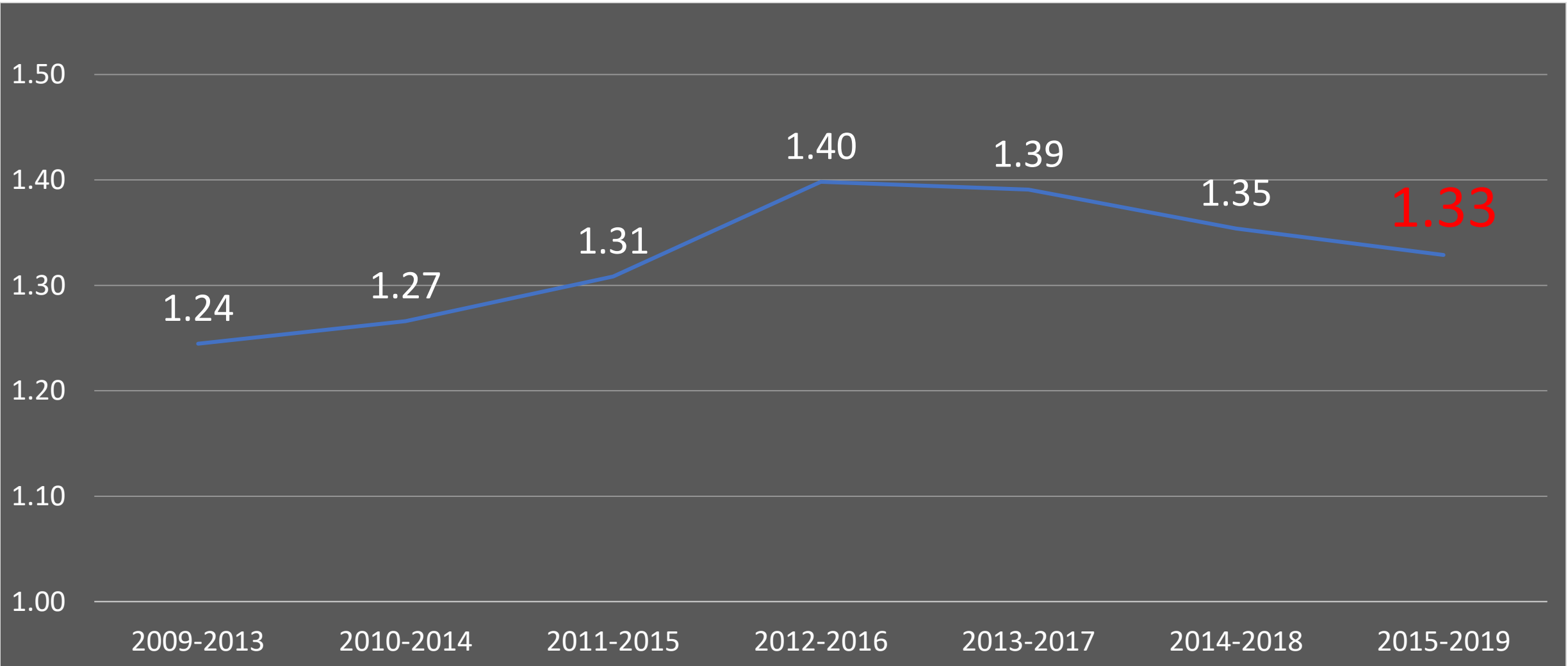
Serious Injuries, 5-yr Rolling Average from 2009-2019



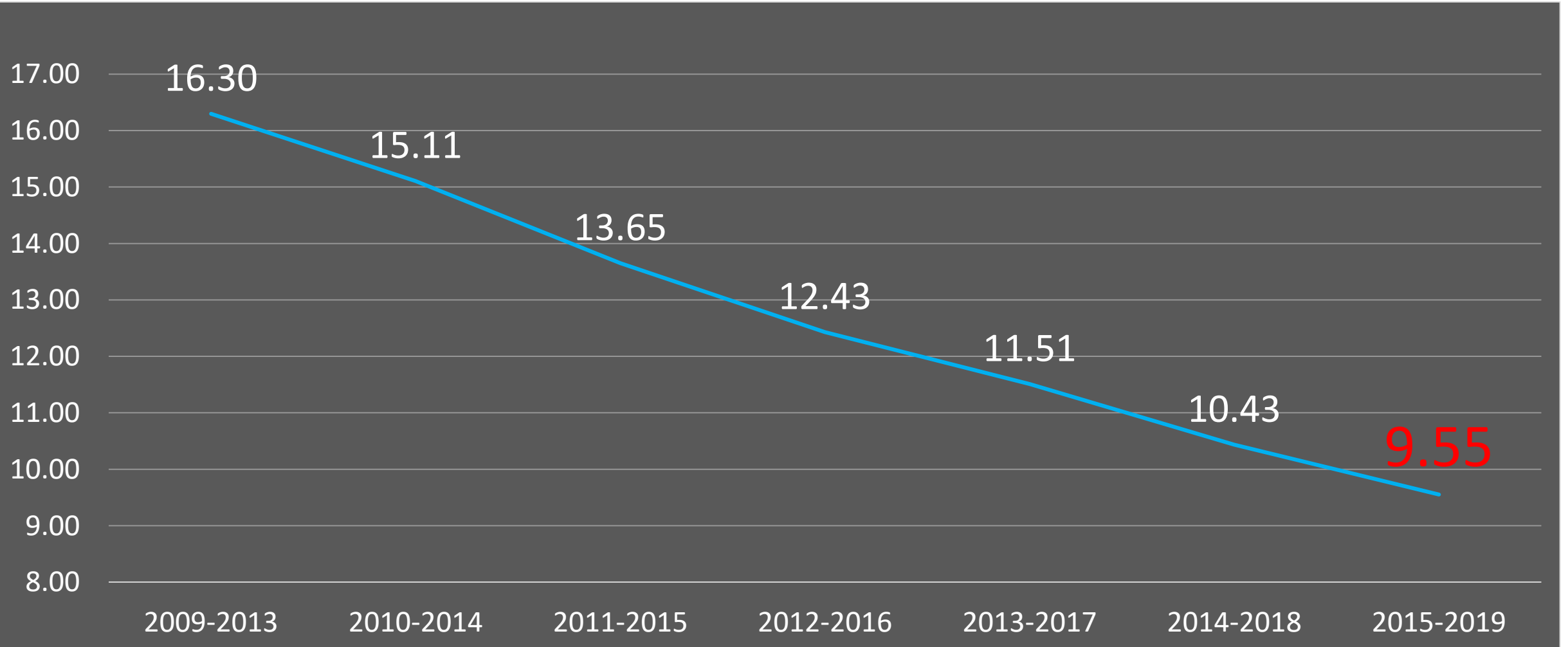
Nonmotorized Fatalities & Serious Injuries, 5-yr Rolling Average from 2009-2019



Fatality Rate per 100MVMT, 5-yr Rolling Average from 2009-2019



Serious Injury Rate per 100MVMT, 5-yr Rolling Average from 2009-2019



Recommended Action:

Based on the adopted goal of reducing crashes 51% by 2040, recommended 2019 Safety Targets call for an average annual reduction of at least 3.4%:

- Fatalities (2019): not to exceed 163
- Fatalities (2015-2019 average per year): not to exceed 188
- Serious Injuries (2015-2019): not to exceed 1,354
- Nonmotorized Fatalities & Serious Injuries (2015-2019): not to exceed 229
- Fatalities per 100M Vehicle Miles Traveled (2015-2019): not to exceed 1.33
- Serious Injuries per 100M Vehicle Miles Traveled (2015-2019): not to exceed 9.55

