



Safety Corridors

Justin Schlosser, PE
NDDOT Traffic Operations Engineer

VISION ZERO

Zero fatalities. Zero excuses.





NORTH DAKOTA

Vision Zero Plan | 2024



NORTH
Dakota
Be Legendary.



VISION ZERO
Zero fatalities. Zero excuses.



LANE DEPARTURE STRATEGIES AND ACTIONS

STRATEGY 1: Implement proven safety countermeasures and conduct research on emerging/innovative safety countermeasures to eliminate fatalities and serious injuries as a result of motor vehicles leaving travel lanes.

ACTIONS:

- ✓ Implement wider shoulders as appropriate.
- ✓ Install median barriers.
- ✓ Investigate best practice use of snow fences and other snow resiliency options and implement.
- ✓ Install passing lanes.

STRATEGY 2: Utilize proven safety countermeasures to improve driver awareness and delineation.

ACTIONS:

- ✓ Install safety corridors.
- ✓ Investigate the use of innovative pavement markings.
- ✓ Install delineators as appropriate.
- ✓ Install 6-inch-wide edge and center lines.
- ✓ Install edge and center line rumble strips.
- ✓ Install chevrons (curve warning signs).





Heightened Law
Enforcement

3



Heightened Driver
Education

5 Years

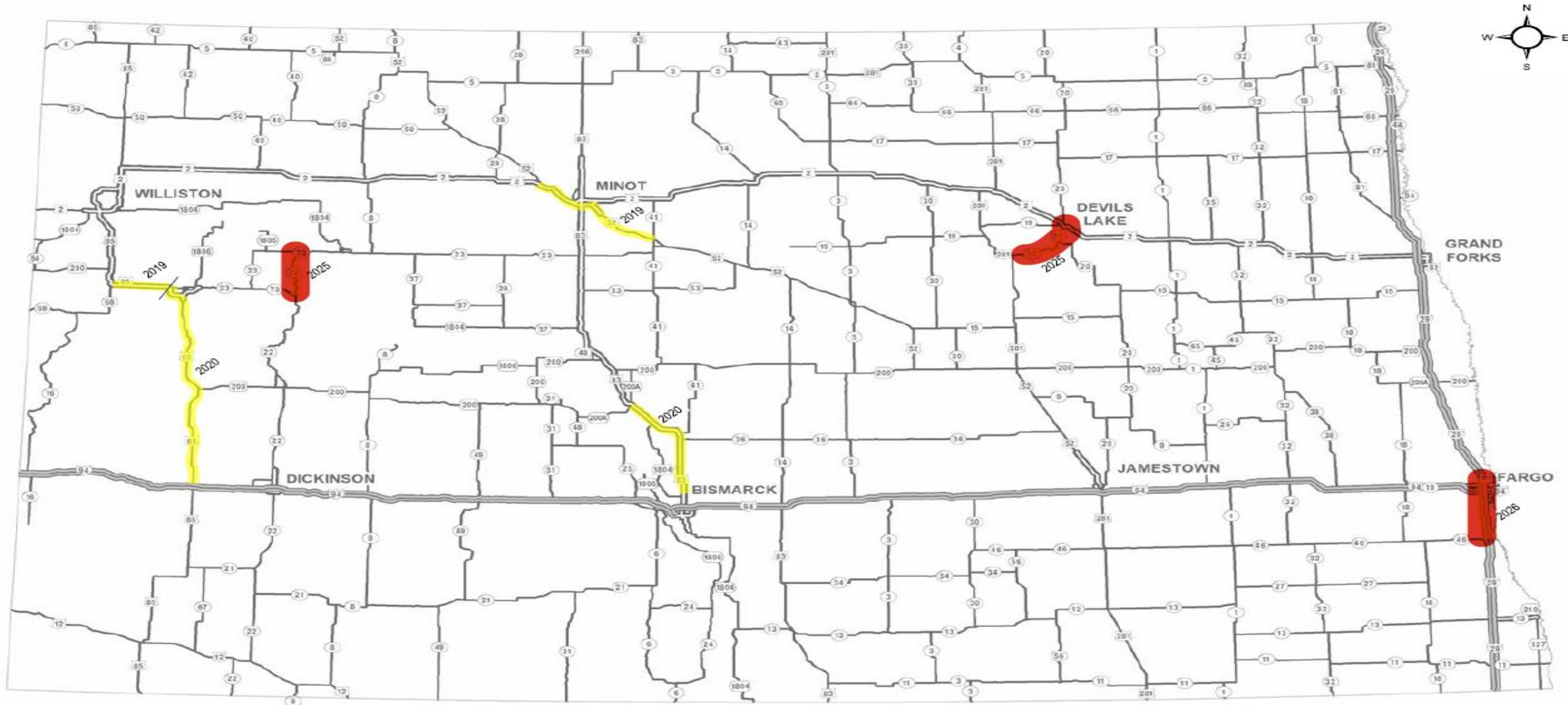


Low-cost
Engineering
Countermeasures

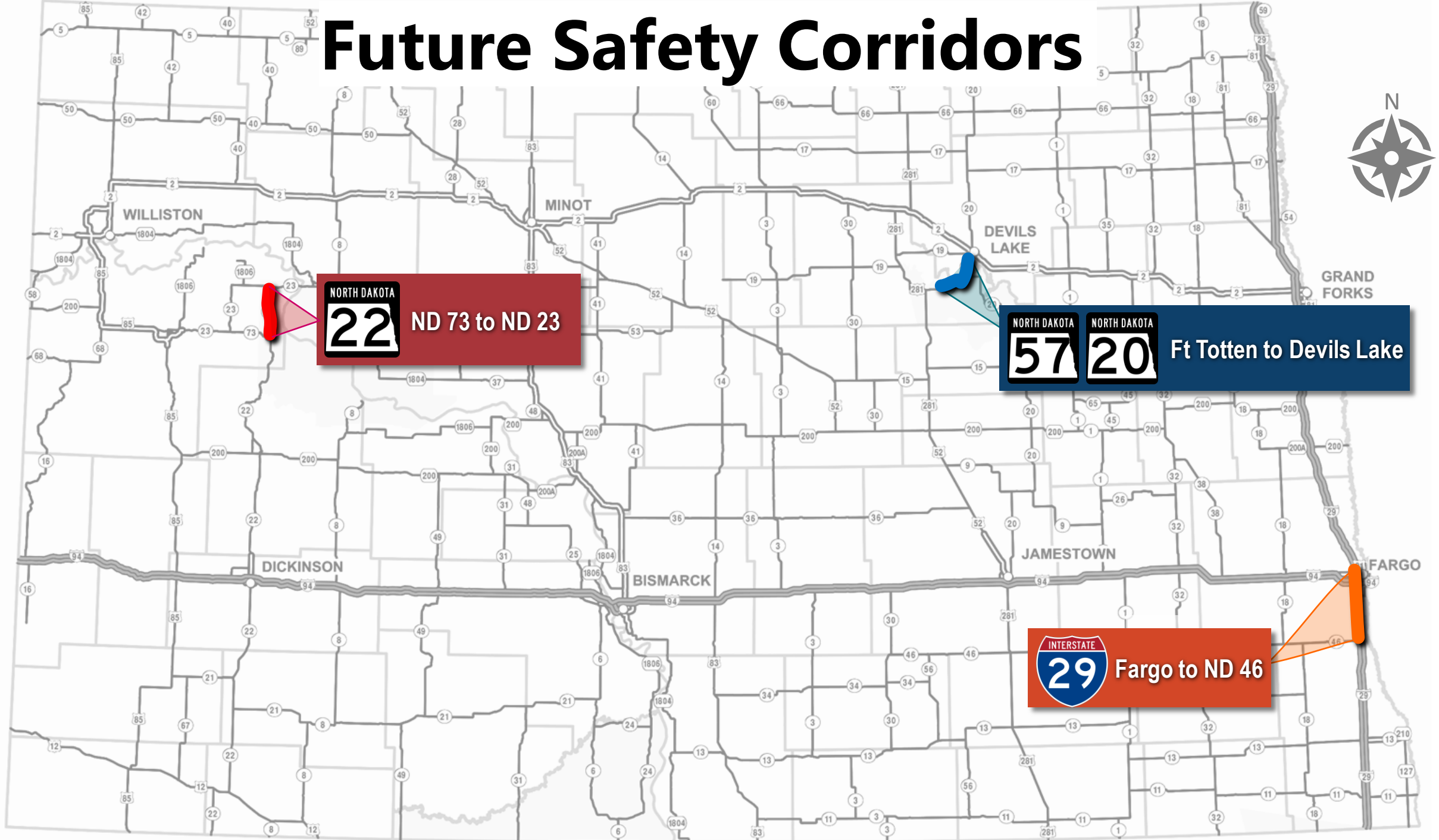
Safety Corridors

ND Safety Corridors

NORTH
Dakota | Transportation
Be Legendary.



Future Safety Corridors



What can you expect to see different?



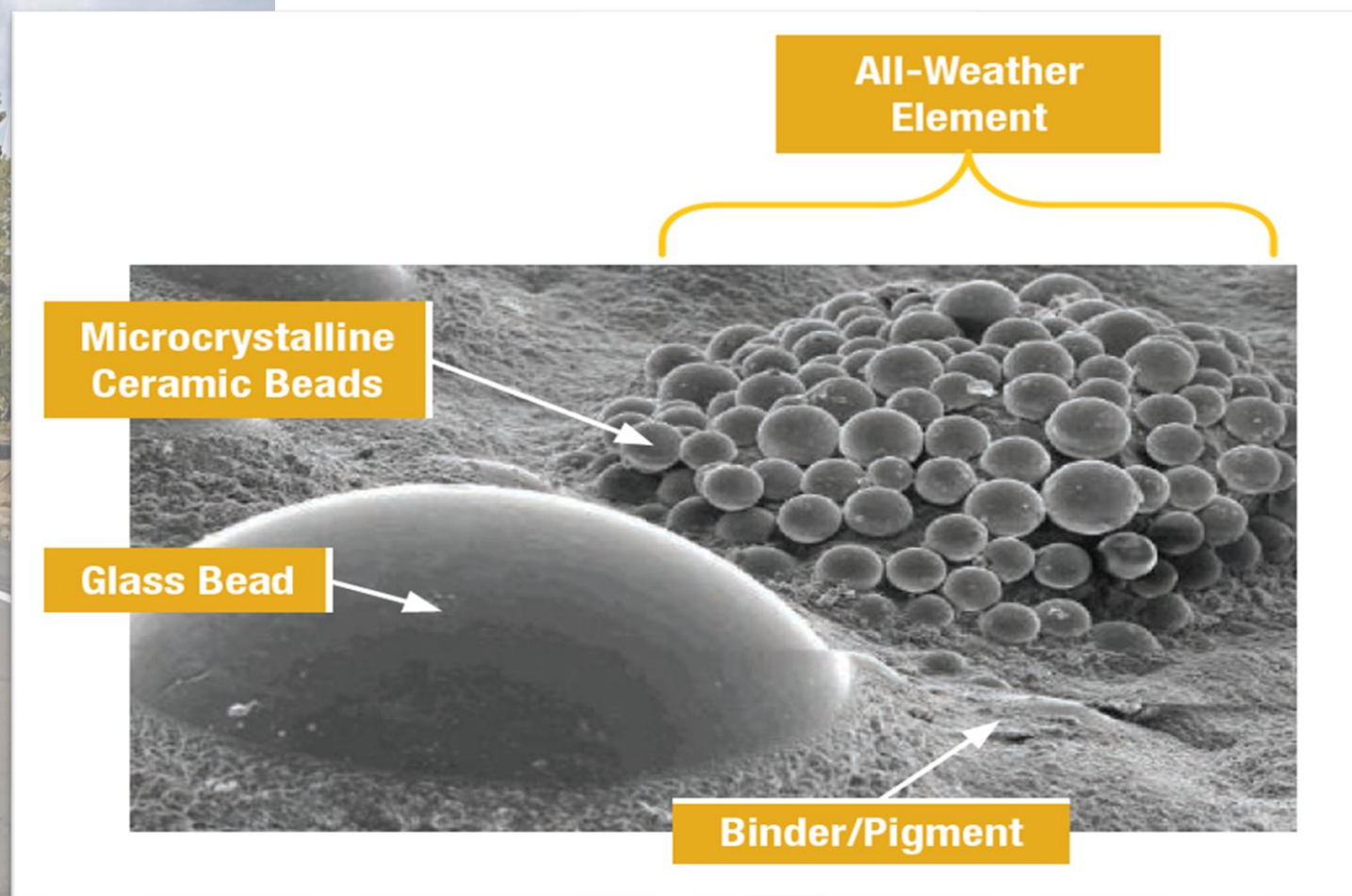
Low-cost
Engineering
Countermeasures

• Safety Corridor •

VISION ZERO 

• Zero Fatalities. Zero Excuses. •

Wider Markings



NO PASSING Zones



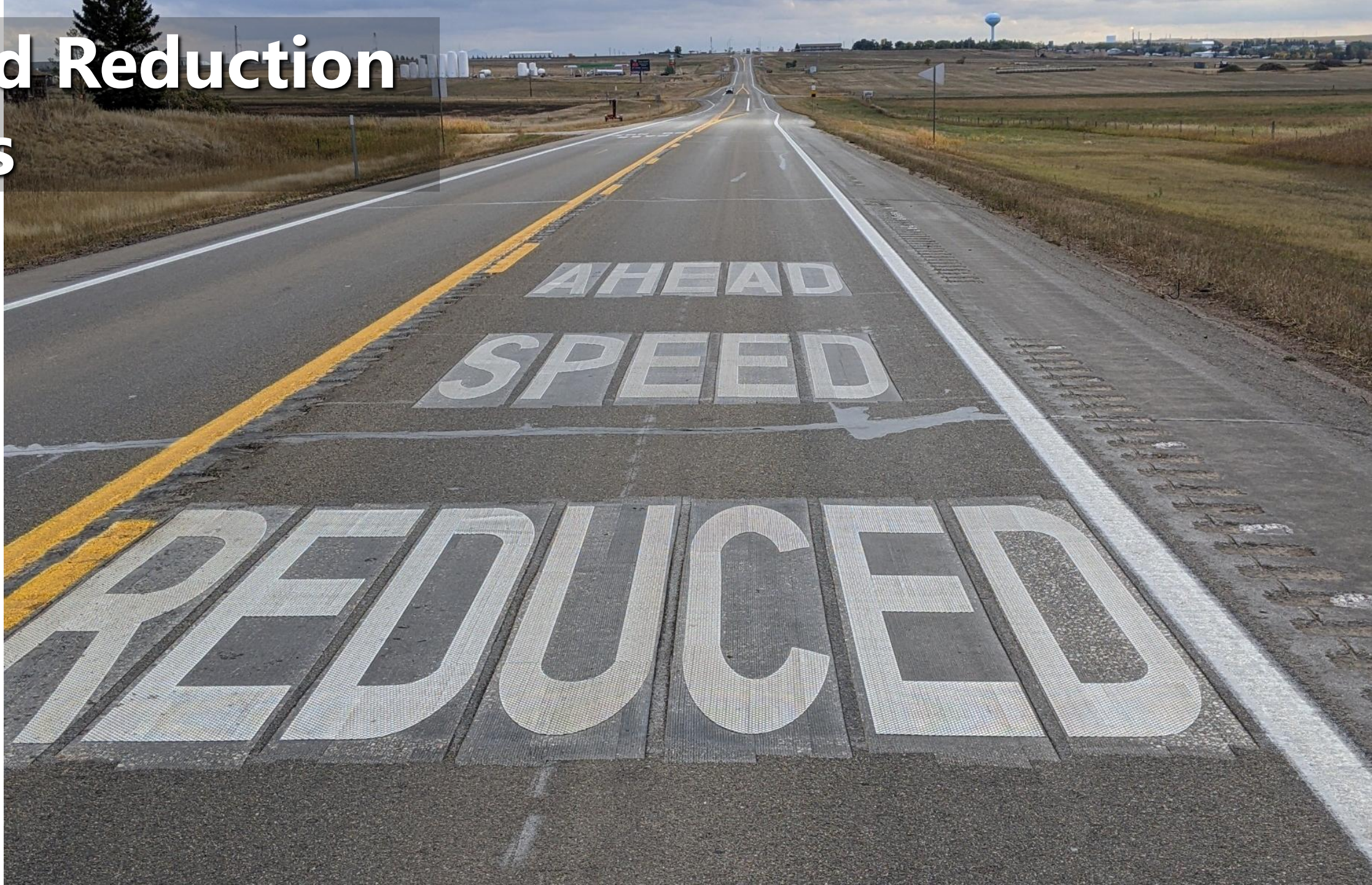
NO PASSING Zones



PASSING Zones



Speed Reduction Areas



Vehicle Speed Feedback Signs (VSFS)



Digital Message Signs





Measures of Effectiveness

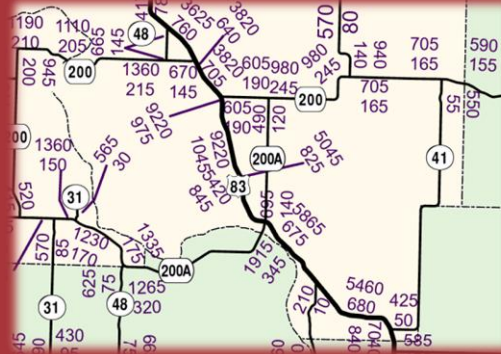
Crash Data



Citations/ Warnings



Traffic Volumes



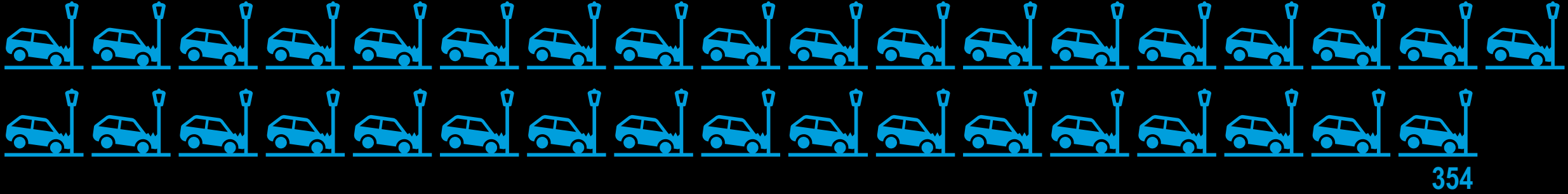
Traffic Speeds



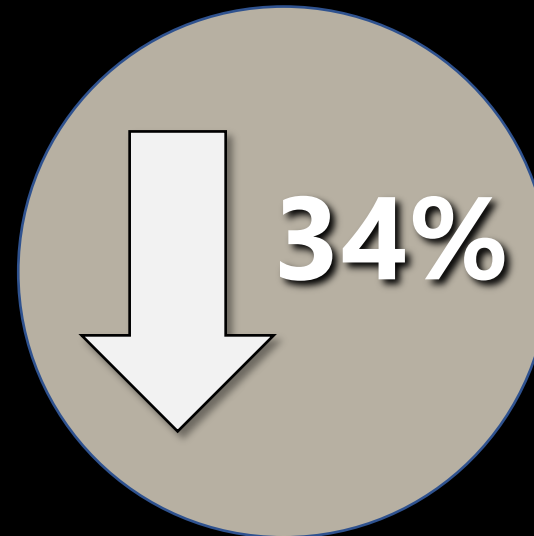
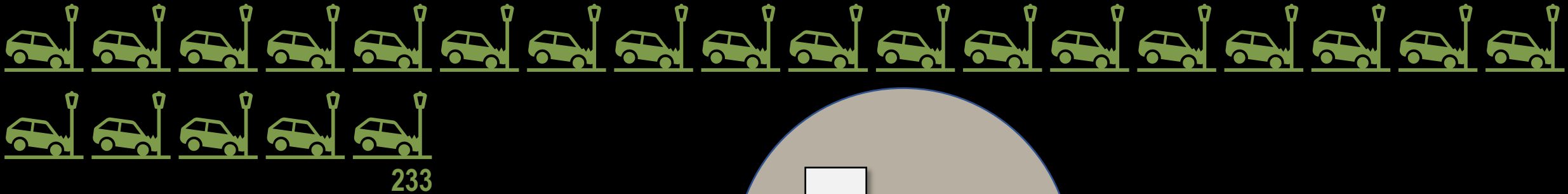
Total Crashes

 ≈ 10 Crashes

Before

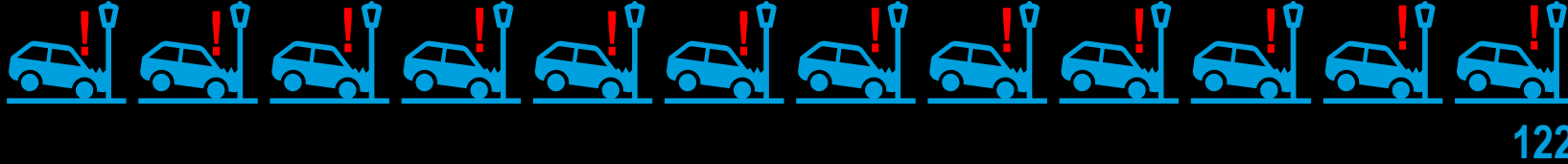


After



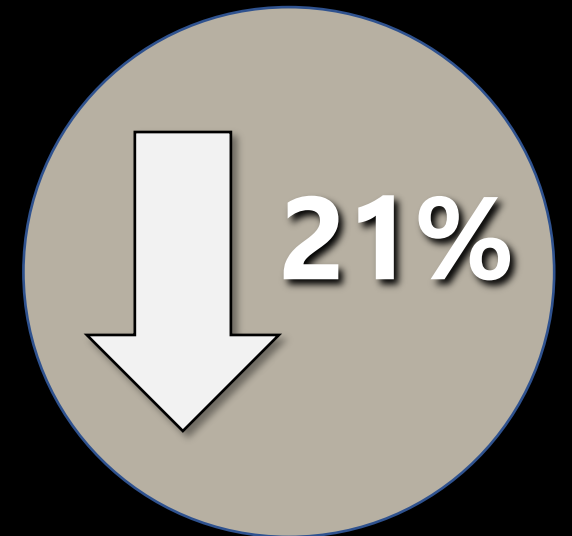
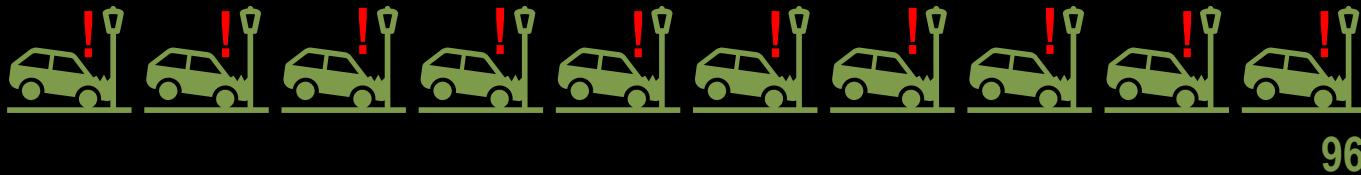
Injury Crashes

Before

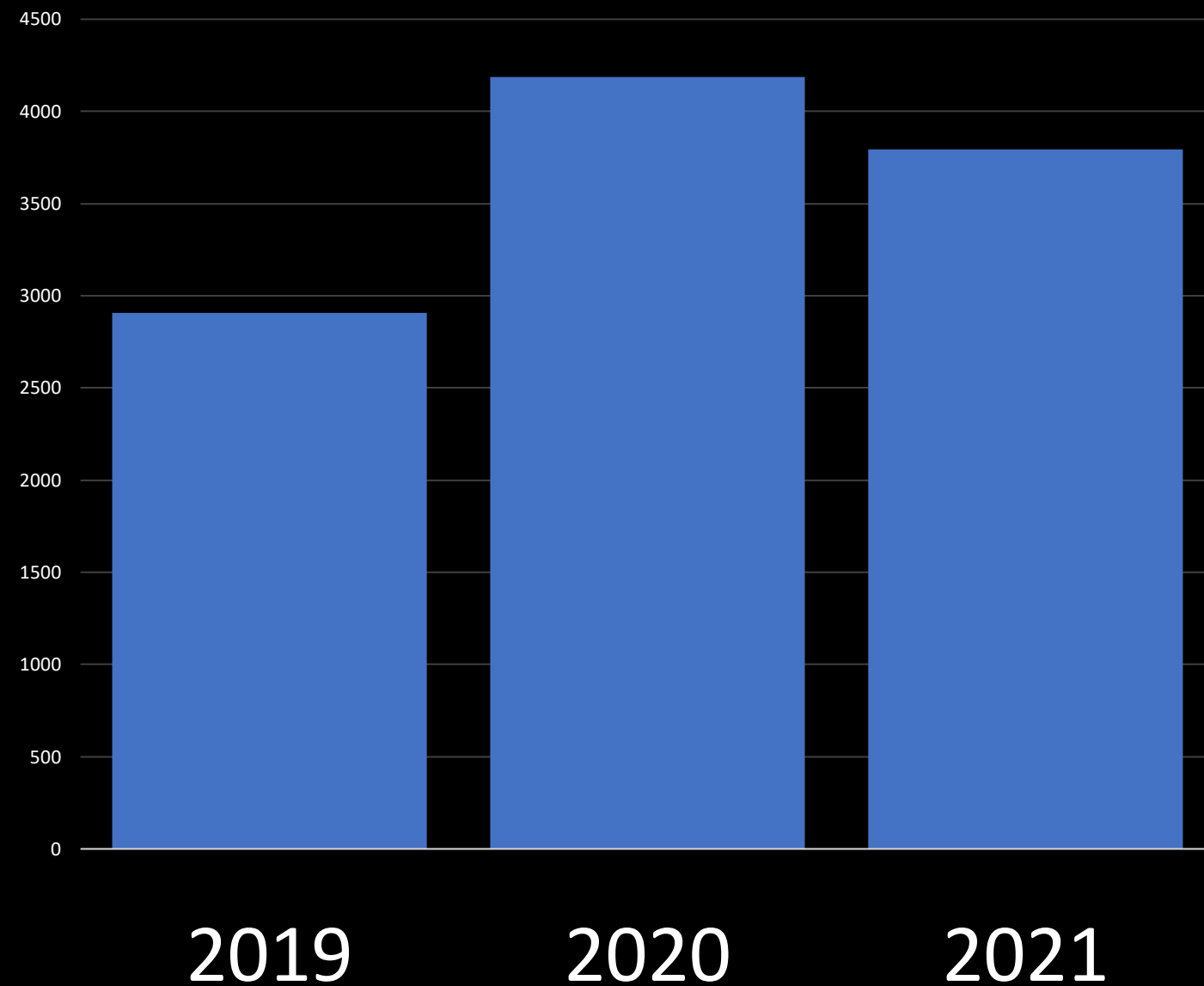


 \approx 10 Injury Crashes
(Non-PDO)

After



NDHP Citations and Warnings



Average speed (over speed limit)

BEFORE

+3 MPH

PWR

MENU

ESC

MODE



BRT/VOL



TEST

ENTER

2019

AFTER

+2 MPH

PWR

MENU

ESC

MODE



BRT/VOL



TEST

ENTER

2021

Vehicles > 10 MPH over speed limit

BEFORE

9.4%

PWR

MENU

ESC

MODE



BRT/VOL



TEST

ENTER

2019

AFTER

7.2%

PWR

MENU

ESC

MODE



BRT/VOL



TEST

ENTER

2021



NORTH
Dakota
Be Legendary.™

America's Transportation Awards

[Overview](#) [What to Submit](#) [Judging Criteria](#) [Past Years' Projects](#) [2021 Projects](#)

North Dakota Department of Transportation—
North Dakota's Highway Safety Corridors



Lane departure crashes are the leading type of crash across North Dakota. In an effort to reach the goal of "Vision Zero," the North Dakota Department of Transportation (NDDOT) implemented a strategy to address this issue – Highway Safety Corridors (HSCs). This \$2.8



ATA Sponsors



AMERICAN ASSOCIATION
OF STATE HIGHWAY AND
TRANSPORTATION OFFICIALS
AASHIO

2020 America's Transportation Award
Winners

Justin Schlosser, PE
NDDOT Traffic Operations Engineer