



VISION ZERO.

**Middlesex County, NJ
Vision Zero Action Plan
NJ Complete Streets Summit 2023**

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Middlesex County Office of Planning



Nothing is more important than SAFETY

Vision Zero Pledge

Middlesex County is committed to eliminating traffic fatalities and serious injuries on roadways in the county by 2040.

Middlesex County will work in partnership with municipalities, agencies, and other stakeholders to achieve this goal.

-Middlesex County Board of County Commissioners

July 21, 2022



VISION ZERO...



Is a strategy to eliminate **ALL** traffic fatalities and severe injuries, while increasing safe, healthy, equitable mobility for all



Views traffic deaths as **PREVENTABLE**



Includes 3 Main Principles: managing speed, centering equity, engaging communities

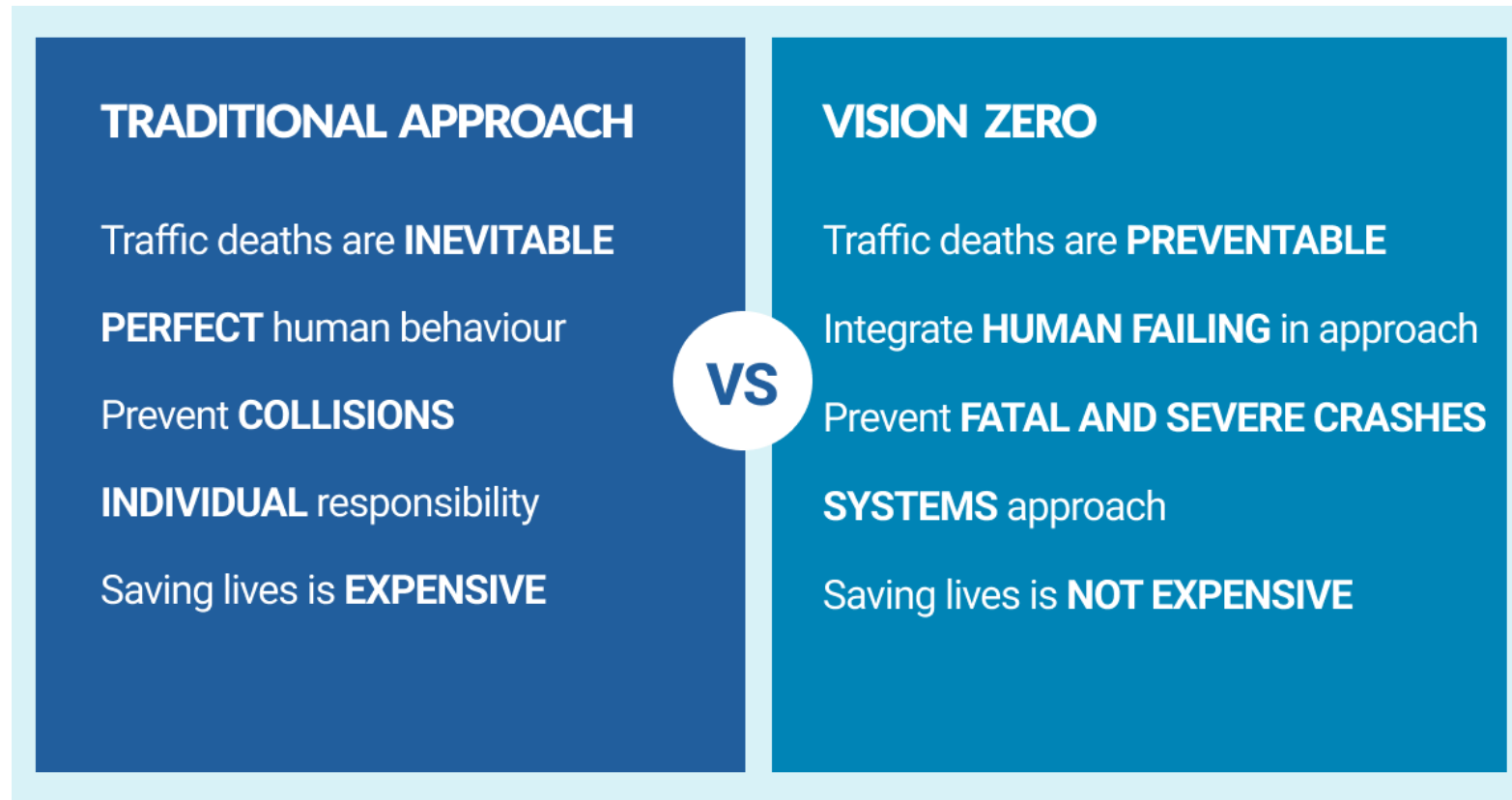


Saves lives; Saving lives is **INEXPENSIVE**



VISION ZERO

A strategy to eliminate all traffic fatalities and severe injuries, *while increasing safe, healthy, equitable mobility for all!* – VZ Network



VISION ZERO NETWORK



Middlesex County Vision Zero Action Plan

JULY 21, 2022

BOARD OF COUNTY COMMISSIONERS
ADOPT A VISION ZERO PLEDGE

AUGUST 10, 2022

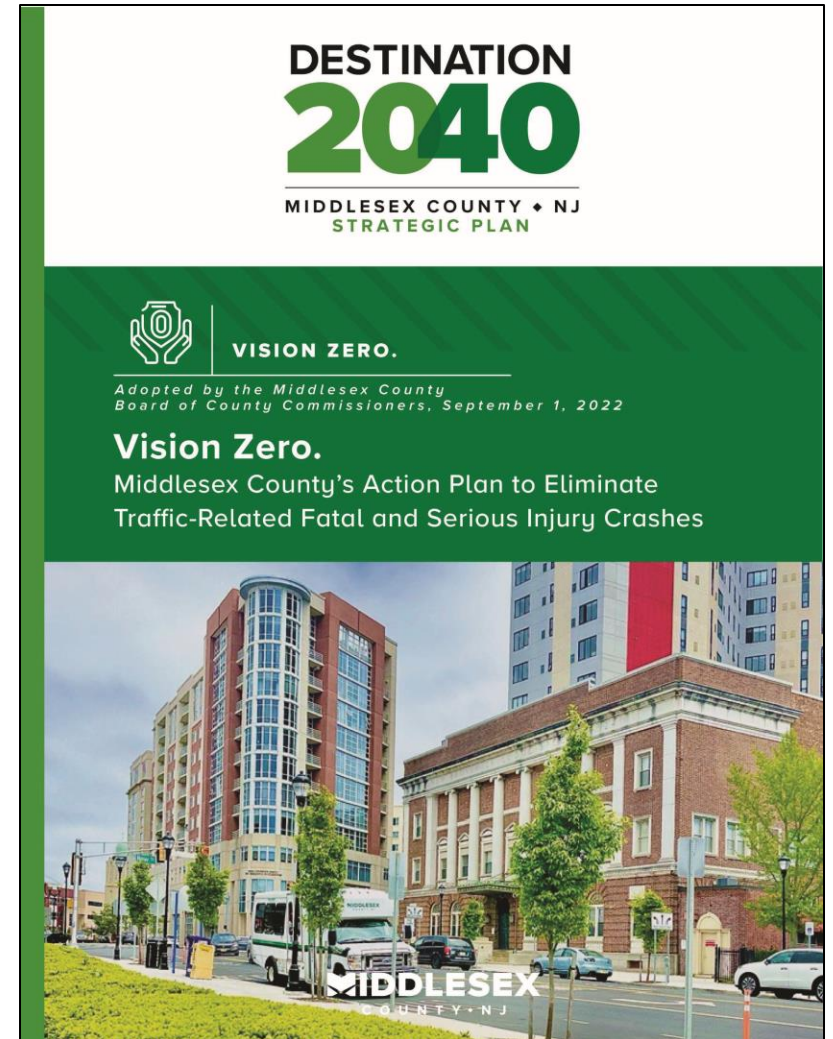
VISION ZERO PARTNERSHIP KICKOFF
MEETING

SEPTEMBER 1, 2022

BOARD OF COUNTY COMMISSIONERS
ADOPT THE VISION ZERO ACTION PLAN

SEPTEMBER 15, 2022

MCOP SUBMITTED OUR USDOT SAFE
STREETS AND ROADS FOR ALL (SS4A)
IMPLEMENTATION GRANT APPLICATION



VISION ZERO PARTNERSHIP

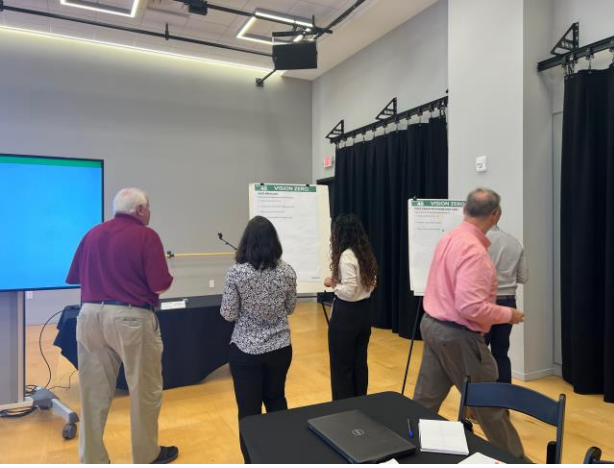
Leadership Committee

COUNTY AND MUNICIPAL ELECTED LEADERS

Culture of Safety Working Group

Complete Streets Working Group

FIRST RESPONDERS
PLANNERS
ENGINEERS
PUBLIC WORKS
HEALTH OFFICIALS
PROSECUTOR'S OFFICE
KMM
NJ DOT
NJTPA
AAA
AARP
OTHER STAKEHOLDERS



CULTURE OF SAETY PROJECT PRIORITIZATION		
SAFETY ELEMENT	PROJECT/STRATEGY	# OF RESPONSES
SAFE ROAD USERS	Vision Zero Education for the Community	8
	Outreach and Engagement Strategies and Platforms	4
	Driver Education and Vision Zero	9
	Safe Routes to School and Vision Zero	6
	Community Ambassadors database	0
	Collaboration with Community Groups and Ambassadors	1
	End Impaired Driving Deaths	5
	Community-based enforcement strategies	4
	Vision Zero Training for Law Enforcement	5
	Vision Zero County Staff Training	1
	Support structured fines for traffic violations so that low-income people do not bear a disproportionate financial burden.	1
	Environmental justice population engagement strategies	4
	Pilot Demonstration Projects	5
	Vision Zero task Force	3
SAFE VEHICLES	Safer County Vehicle Fleet	6
	Autonomous Vehicle Technology Task Force	1
	Right-Size County Vehicle Fleet	7
	Data City Smart Mobility Testing Corridor	4
POST-CRASH RESPONSE	Prompt Medical Service	7
	Establish a rapid response team	5
	Data sharing and coordination	9



Figure 15: Complete Streets Project Prioritization

SAFETY ELEMENT	PROJECT/STRATEGY	# OF RESPONSES
Safe Roads	Intersection Enhancements and Redesign	12
	Bicycle and Pedestrian Network Projects	8
	Complete Streets Networks	6
	County Roundabout Pilot Program	6
	Safety Countermeasures Program	4
	County Complete Streets Design Guide	4
	Design Standards and Guides	5
	Coordinate with the NJ SHSP	1
	Follow State Guidance Documents	0
	Curbside Management Program	4
	Multimodal Planning and Transit	4
	Funding for Low-Cost Improvements	8
	Regular Program Updates	0
	Ongoing Data Collection and Analyses	7
Pilot/Demonstration Projects	6	
Road Safety Audits	7	
Safe Speeds	Speed Management Policy	6
	Roadway Design Standards for Speed Management	6
	Traffic Calming Policies	11

What Defines Success

No More Deaths

No More Serious Fatal Injuries

Speed Reduction

Transparency

Fewer Cars on the Road

Behavioral Changes

Shared Rides

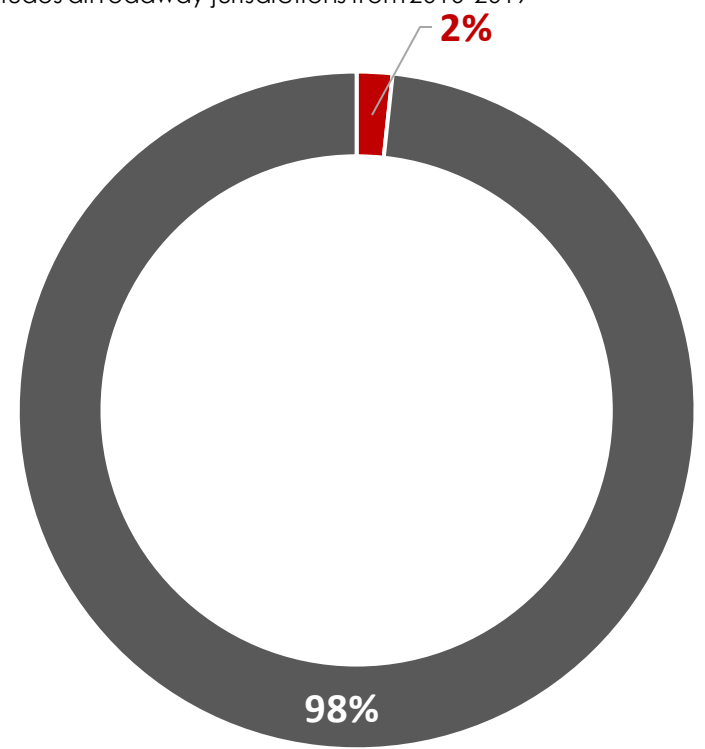
Road Diets

Level of Service

Partnership- Center for Advanced Infrastructure and Transportation (CAIT)

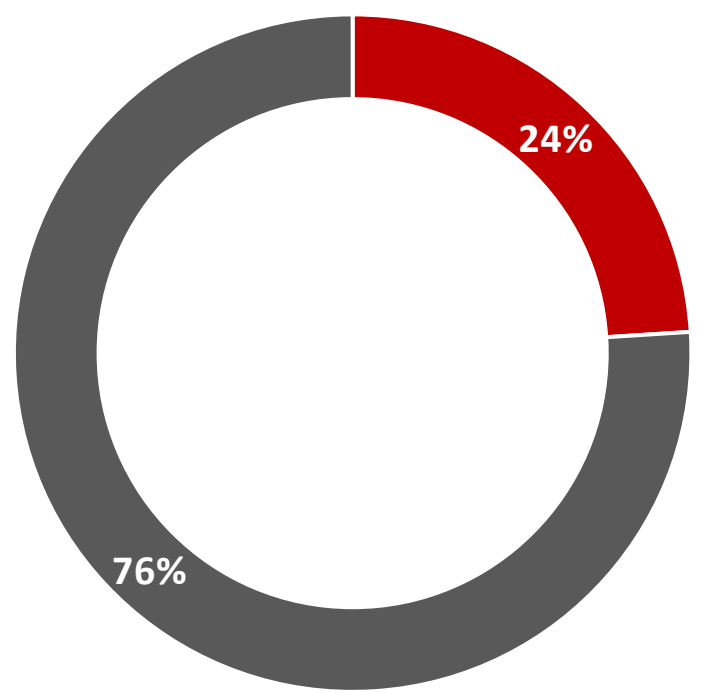
2010-2019 Crashes in Middlesex County

*Includes all roadway jurisdictions from 2010-2019





291,440 Traffic Crashes

-  **Bicycle and Pedestrian Crashes**
5,014 Bicycle and Ped. Crashes
-  **Vehicle Crashes**
286,477 Vehicle Crashes



1,434 Fatal and Serious Injury Crashes (FSIs)

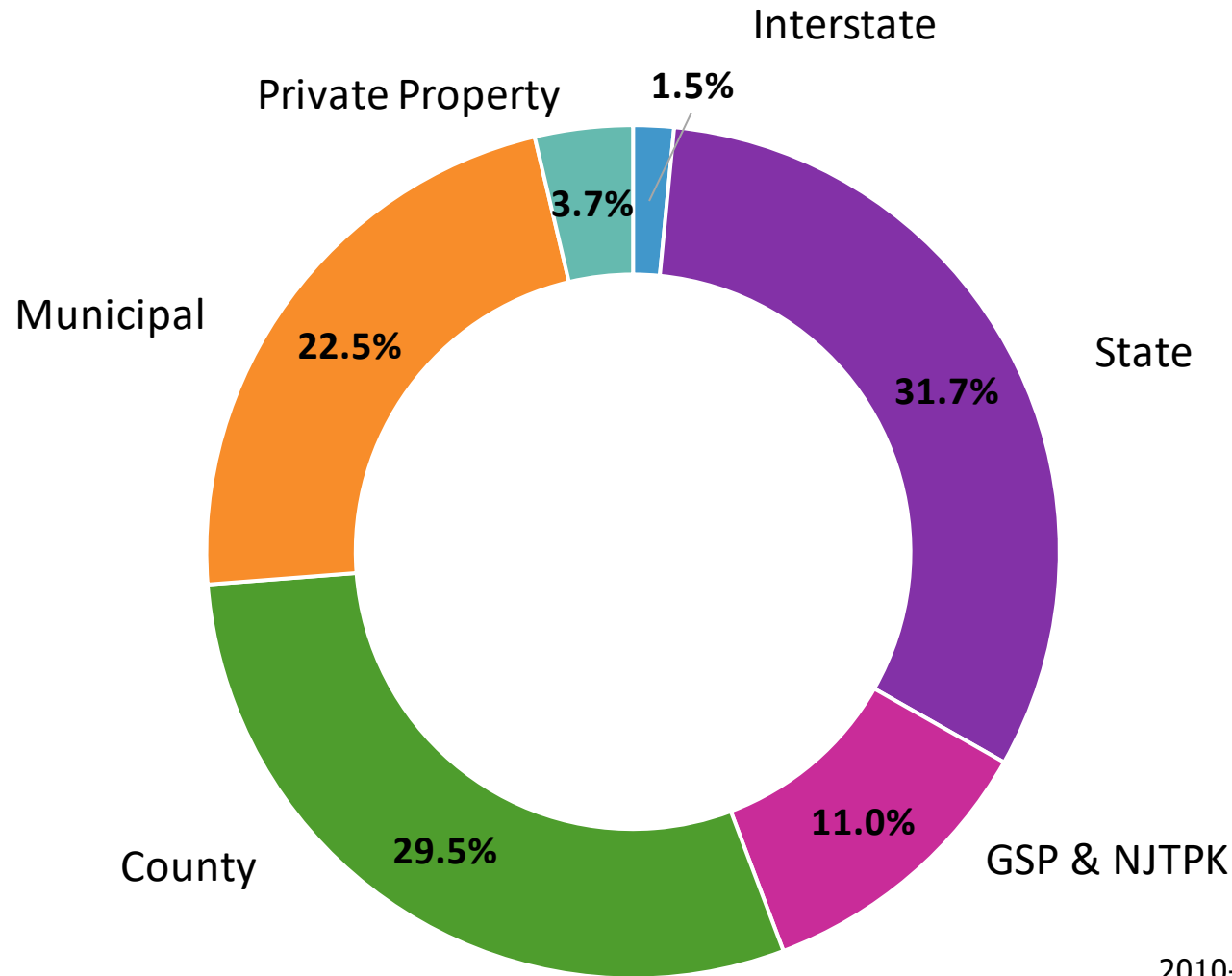
-  **Bicycle and Pedestrian Crashes**
347 Bicycle and Ped. FSI Crashes
-  **Vehicle Crashes**
1,087 Vehicle FSI

On Average, the County Saw:

- 2** Crashes/Hour
- 4** Fatalities/Month
- 8** Incapacitations/Month
- 23** Injuries/Month



FATAL & SERIOUS INJURY CRASHES BY ROADWAY JURISDICTION



2010-2019 Crashes in Middlesex County

* Includes all roadway jurisdictions from 2010-2019



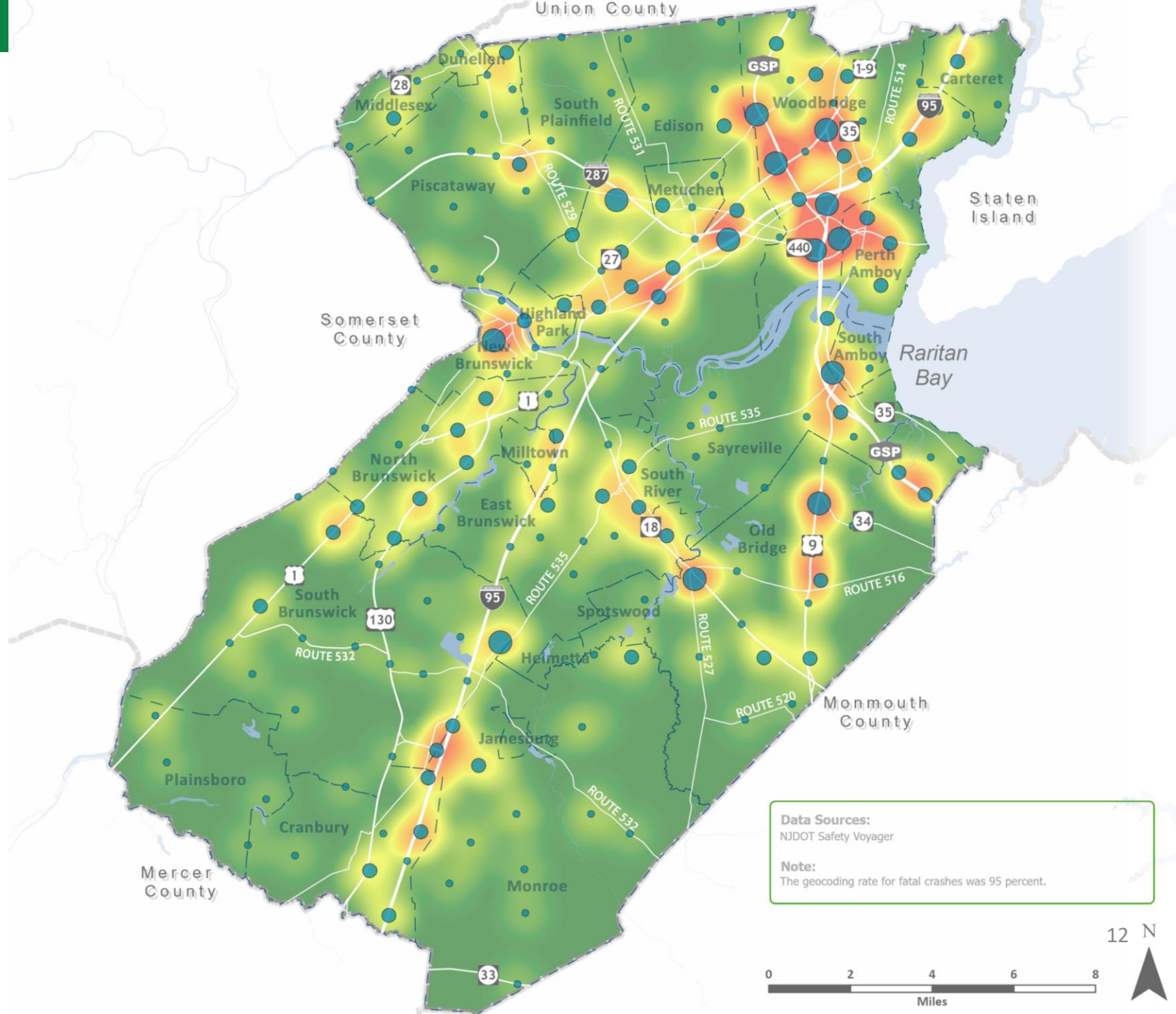
FATAL CRASHES HOTSPOT MAP

2010-2019

Number of Fatal Crashes

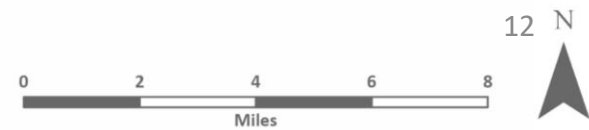
- 1 - 2
- 3 - 5
- 6 - 9

Fatal Crashes per Square Mile



Data Sources:
NJDOT Safety Voyager

Note:
The geocoding rate for fatal crashes was 95 percent.



SERIOUS INJURY CRASHES HOTSPOT MAP

2010-2019

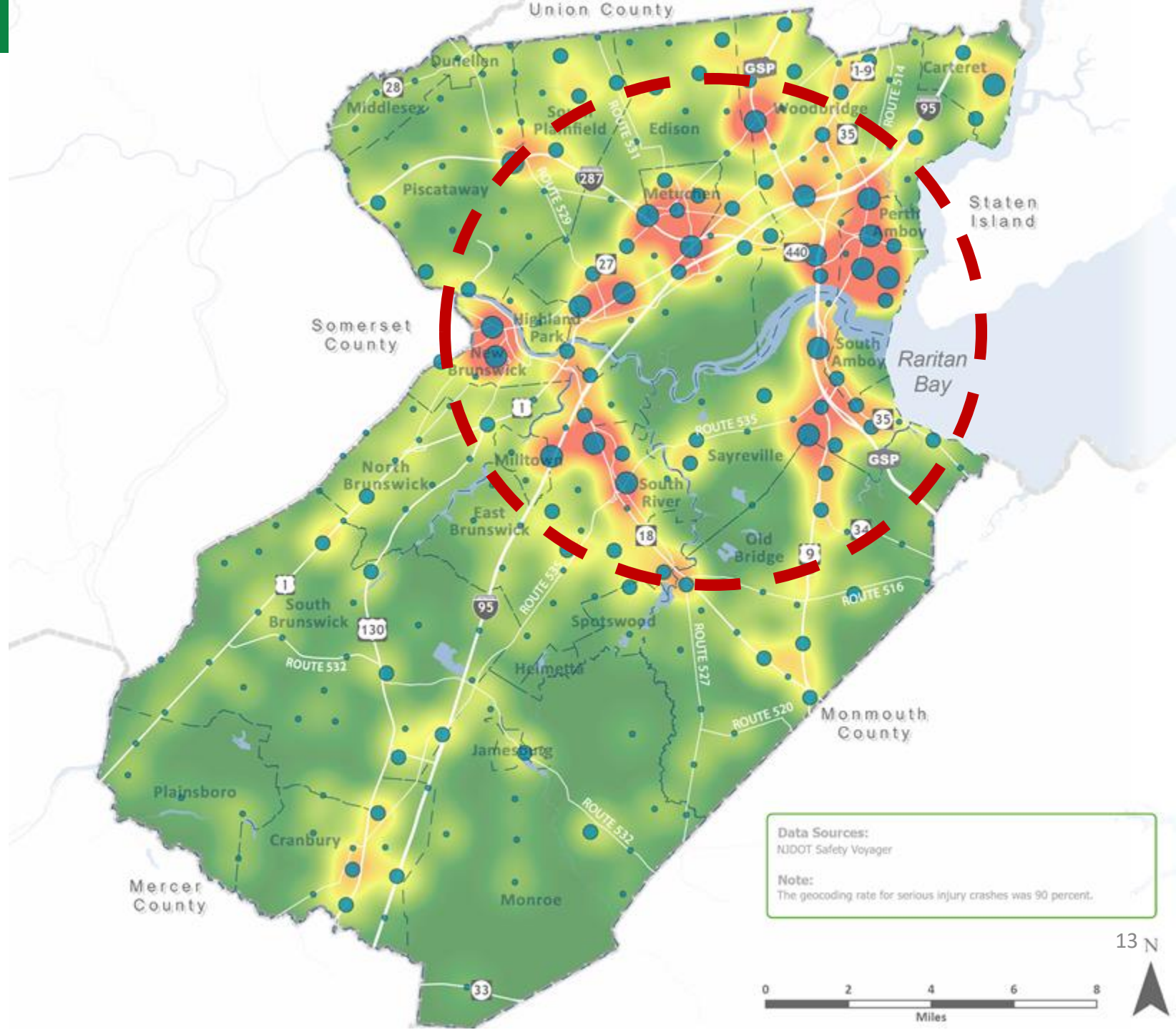
Number of Serious Injury Crashes

- 1 - 3
- 4 - 7
- 8 - 15

Serious Injury Crashes per Square Mile

High : 17.4

Low : 0



HIGH INJURY NETWORK (HIN)



Identifies roadway locations that account for a disproportionate share of **fatal and serious injury crashes** (FSIs).



Data driven

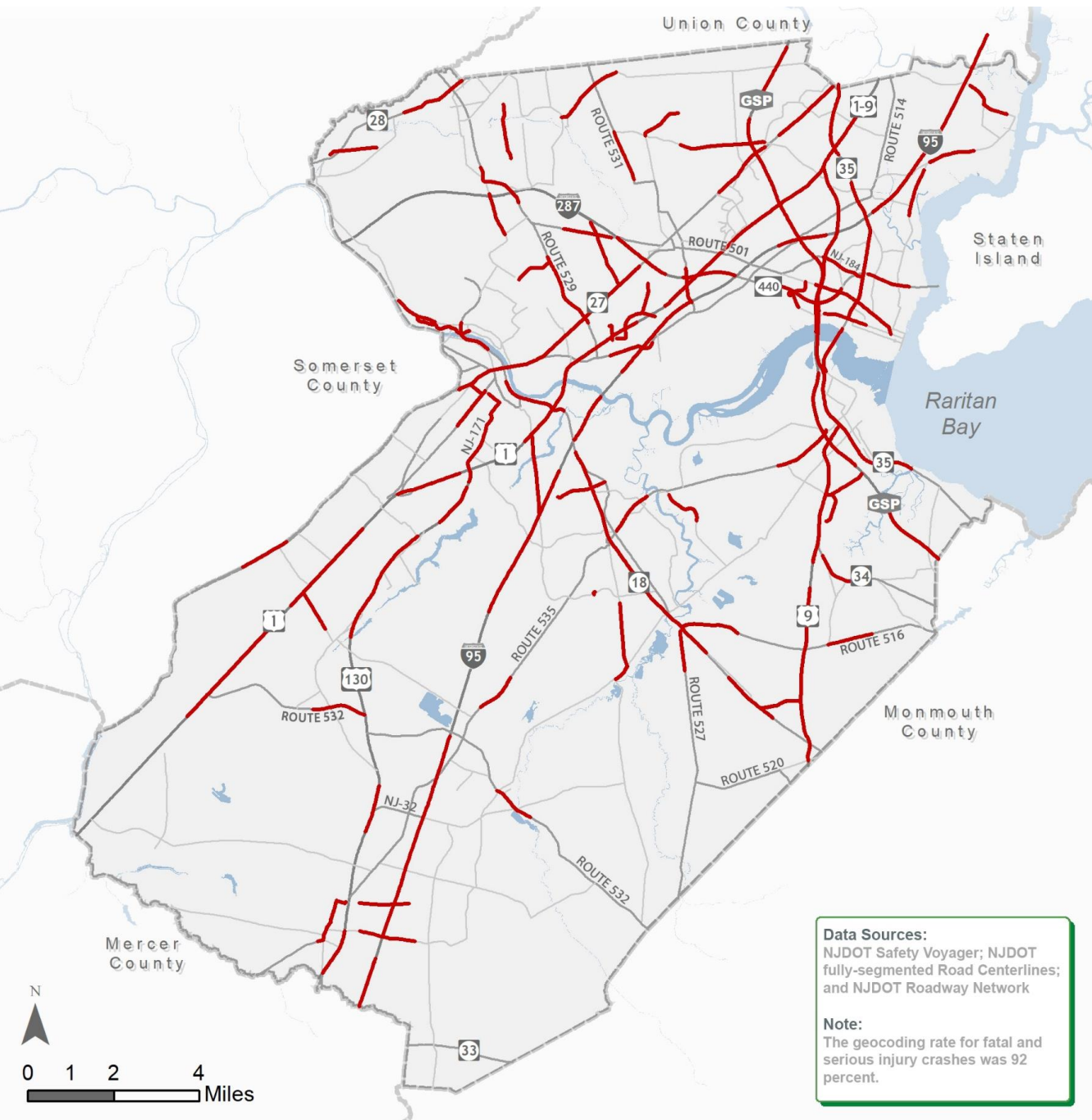


Helps prioritize investments



Equity





HIGH INJURY NETWORK MAP

Weighted High Injury Network (All Modes), 2010-2019

— Weighted HIN Score ≥ 6



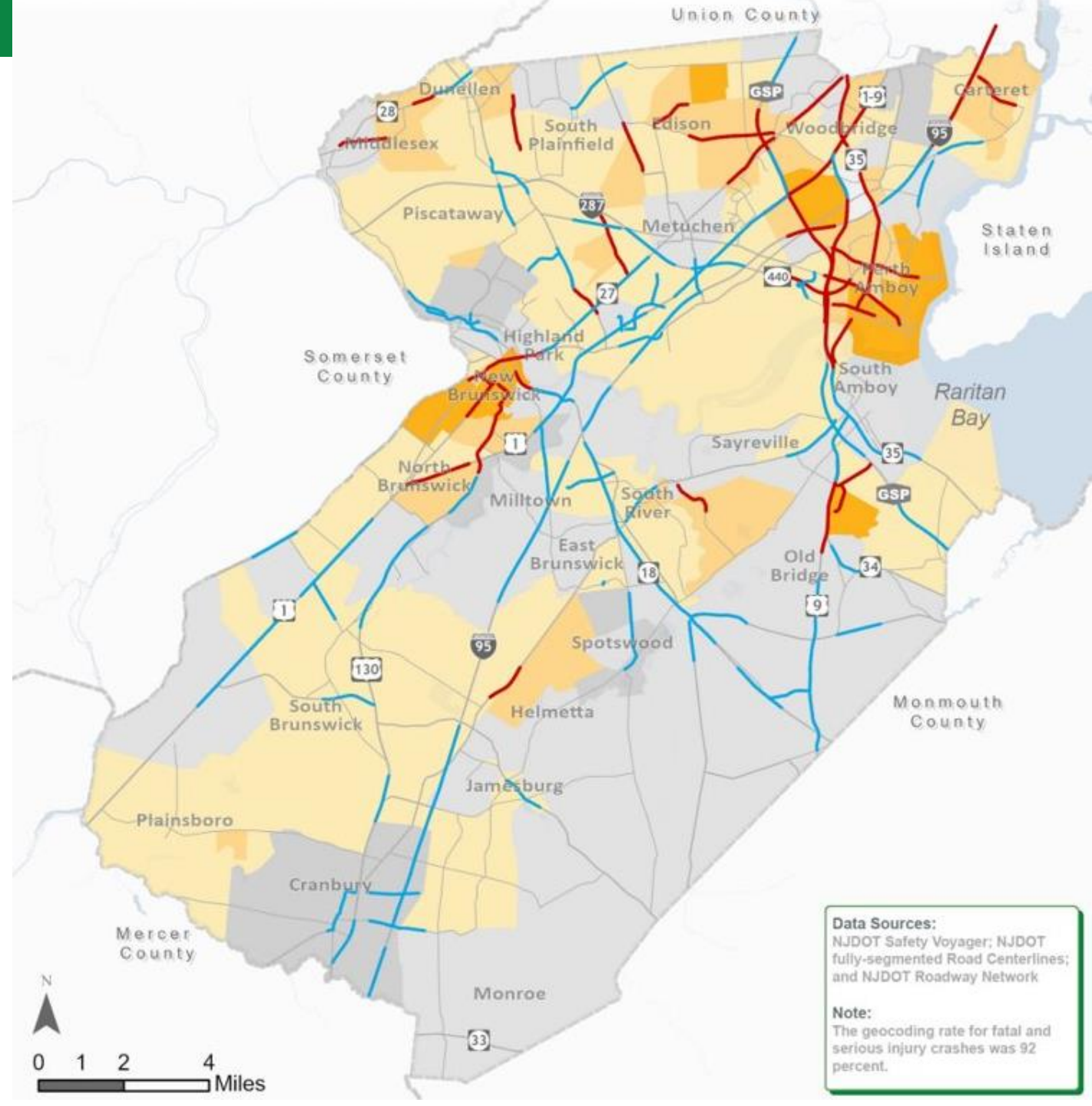
HIN BY INDICATORS OF POTENTIAL DISADVANTAGE

Weighted High Injury Network, 2010-2019

- In the Top 2 IPD Intervals
- Not In the Top 2 IPD Intervals

Indicators of Potential Disadvantage (IPD) by Census Tract

- Well Below Average (< -1.5 Std. Dev.)
- Below Average (-1.5 - -0.5 Std. Dev.)
- Average (-0.5 - 0.5 Std. Dev.)
- Above Average (0.5 - 1.5 Std. Dev.)
- Well Above Average (> 1.5 Std. Dev.)





ZERO

Fatalities & Serious Injuries by 2040



WHAT WILL SUCCESS LOOK LIKE

-GOALS-

1. SAFER STREETS

- Design streets and transportation networks to be safe and comfortable for all users.

2: SAFER SPEEDS

- Set roadway speed limits based on surrounding land use and activities focusing on vulnerable users.

3: SAFER ROAD USERS

- Foster a culture of safety, responsibility, and awareness within Middlesex County.

4: SAFER VEHICLES

- Utilize the latest vehicle systems and safety features for the County fleet. Support the development of new safety features.



WHAT WILL SUCCESS LOOK LIKE

-GOALS-

5: POST CRASH RESPONSE AND CARE

- Improve crash response time and data collection.

6: FOCUS ON EQUITY

- Ensure equitable distribution of all traffic safety investments and benefits using a data-based approach

7: DEVELOP STRONG PARTNERSHIPS

- Implement the Vision Zero Action in collaboration with municipalities, non-profits, and state and regional agencies.

8: COMMUNITY ENGAGEMENT

- Work with Middlesex County community members to obtain feedback.

REDESIGN THE ROAD

Livingston Avenue, New Brunswick, NJ



NARROW LANES

HIGH VISIBILITY CROSSWALKS

DAYLIGHTING

ADA



Development Application reviews

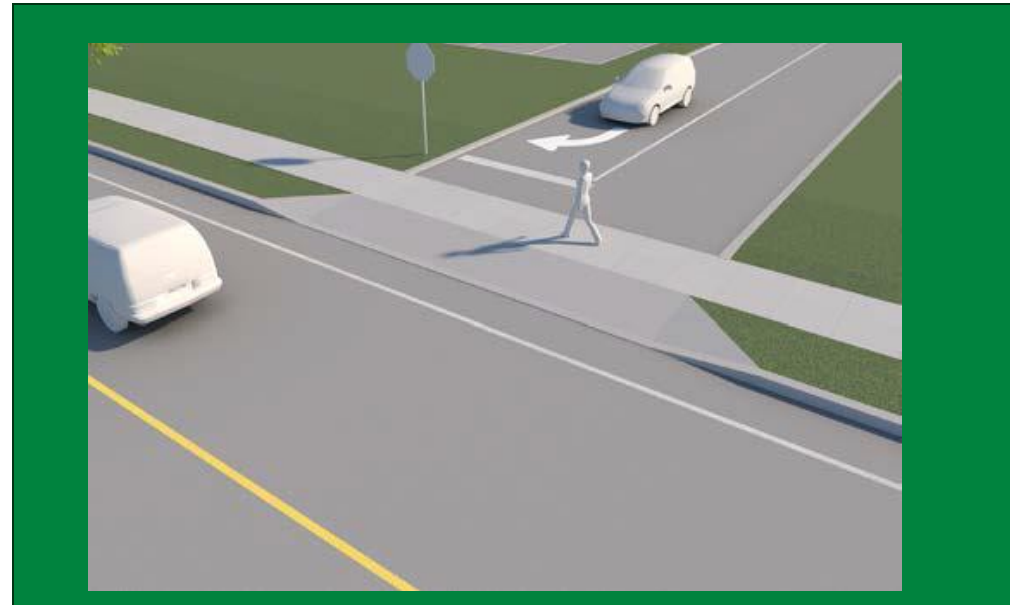
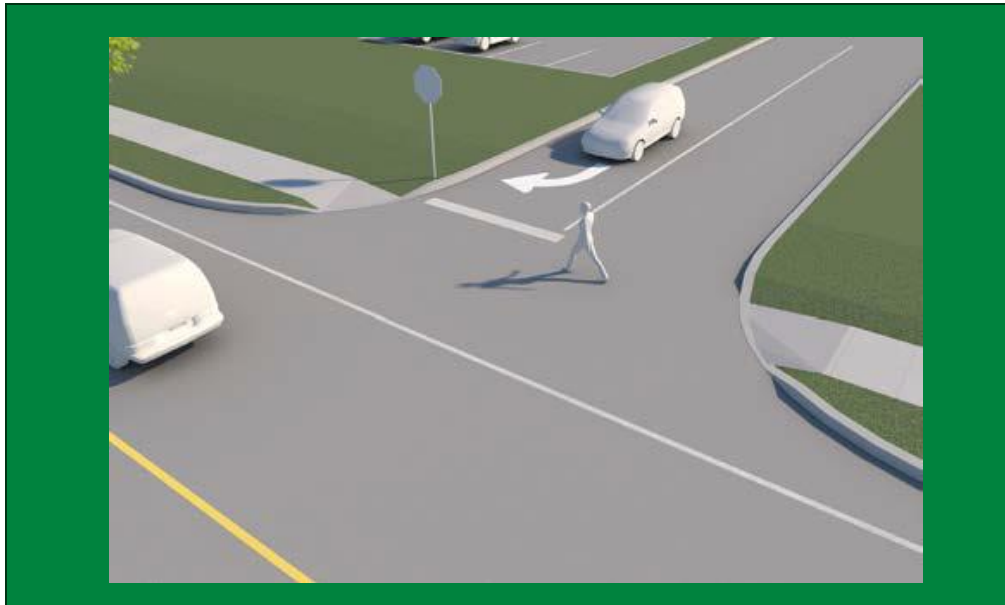
All over Middlesex County

Continuous sidewalk networks

Including concrete sidewalk across driveway aprons

Any development that has traffic control on their driveway:

- Don't do this:
- Continue the sidewalk across the driveway





Questions and Discussion





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