

NC Vision Zero

BOC Growth and Sustainability Committee



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Today's Objectives

- Receive an Overview of Vision Zero and Safe Routes to School
- Discuss potential linkages to BOC Goals, Objectives, and Initiatives
- Discuss next steps

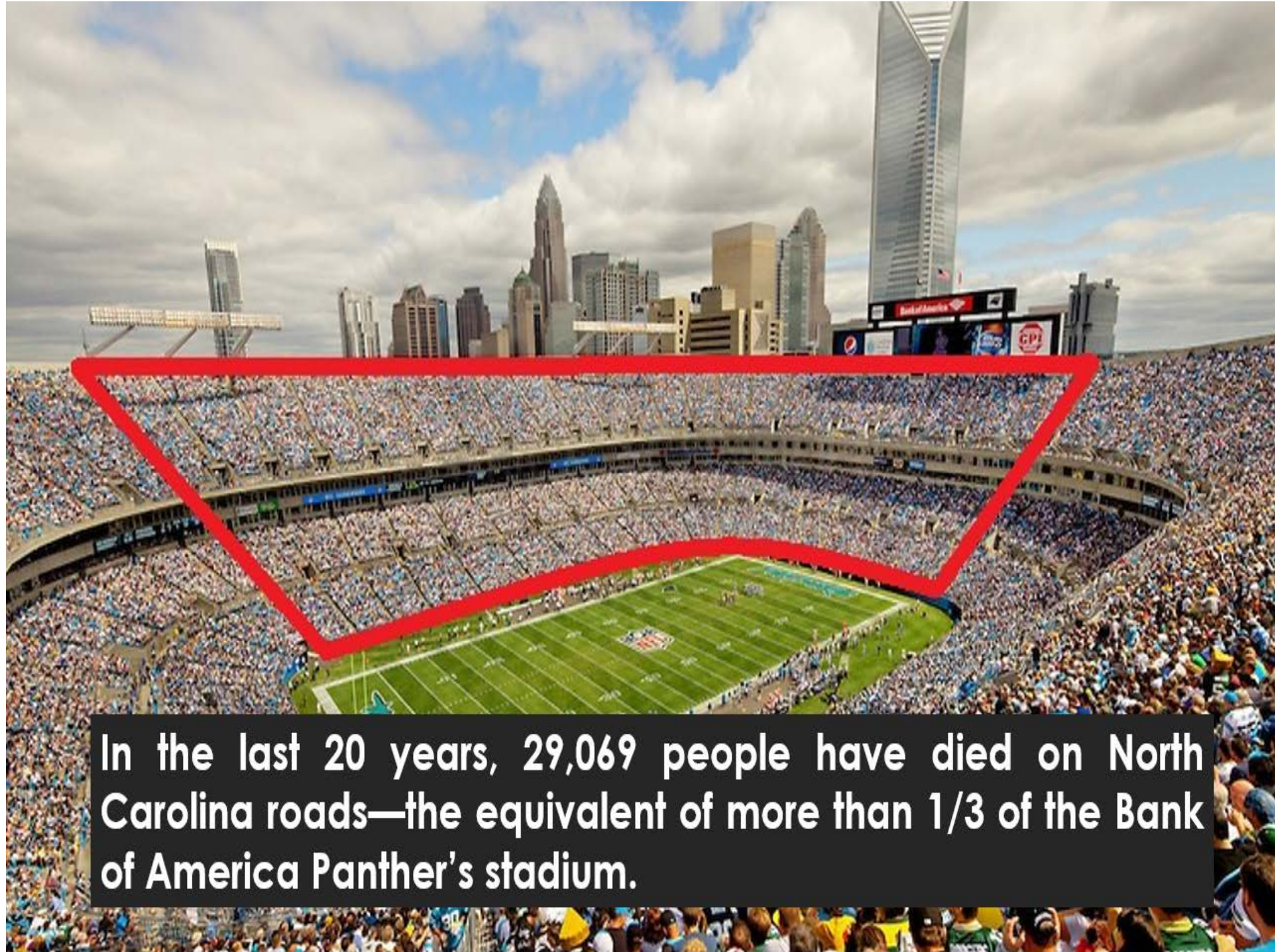


NC ~~VISION~~ ZERO

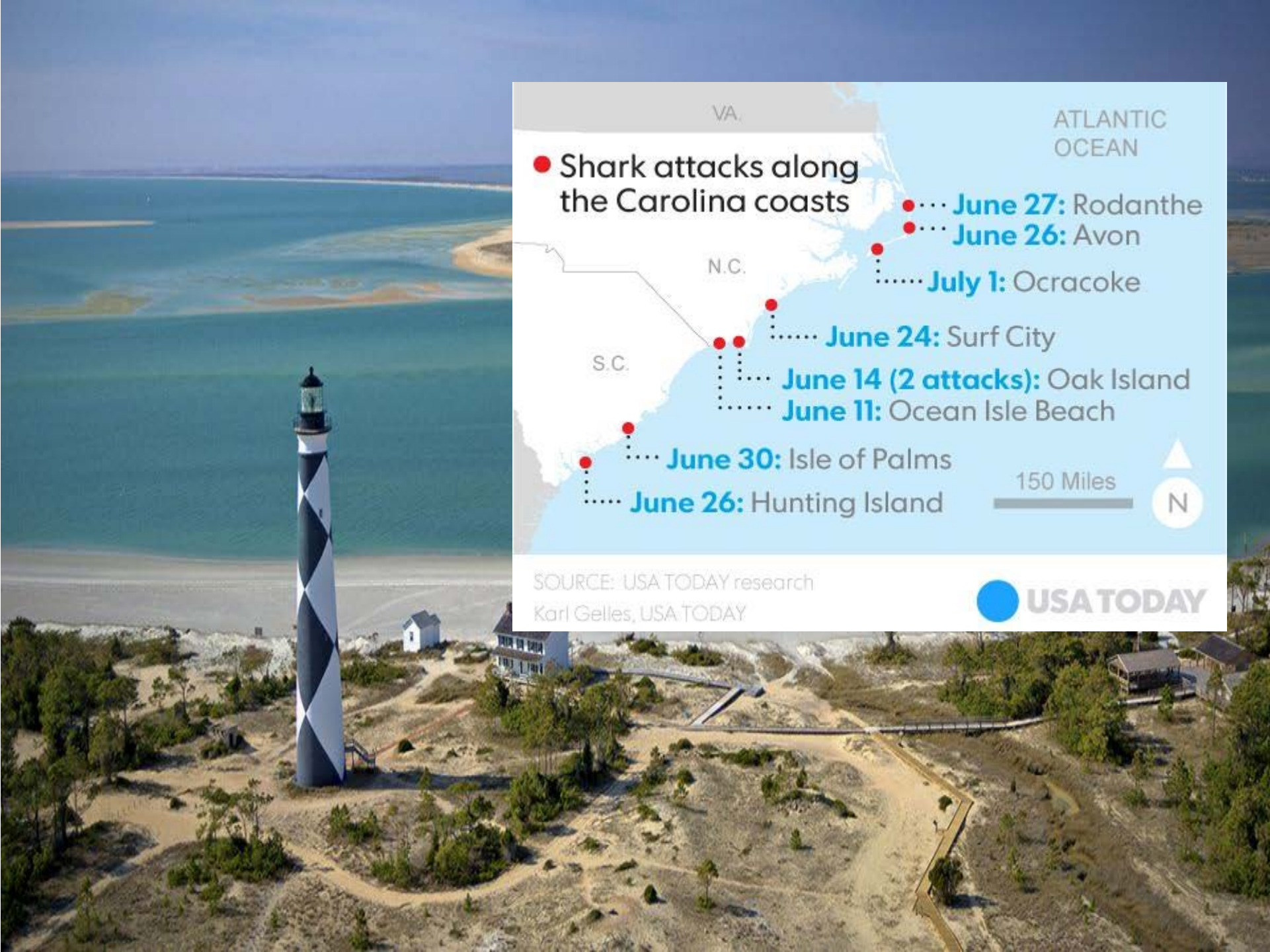
Tracy Anderson
Research Associate
NC Vision Zero Coordinator

1,412 fatalities
4,500 serious injuries

North Carolina
2017



In the last 20 years, 29,069 people have died on North Carolina roads—the equivalent of more than 1/3 of the Bank of America Panther's stadium.



● Shark attacks along
the Carolina coasts

- **June 27:** Rodanthe
- **June 26:** Avon
- **July 1:** Ocracoke
- **June 24:** Surf City
- **June 14 (2 attacks):** Oak Island
- **June 11:** Ocean Isle Beach
- **June 30:** Isle of Palms
- **June 26:** Hunting Island

SOURCE: USA TODAY research
Karl Gelles, USA TODAY



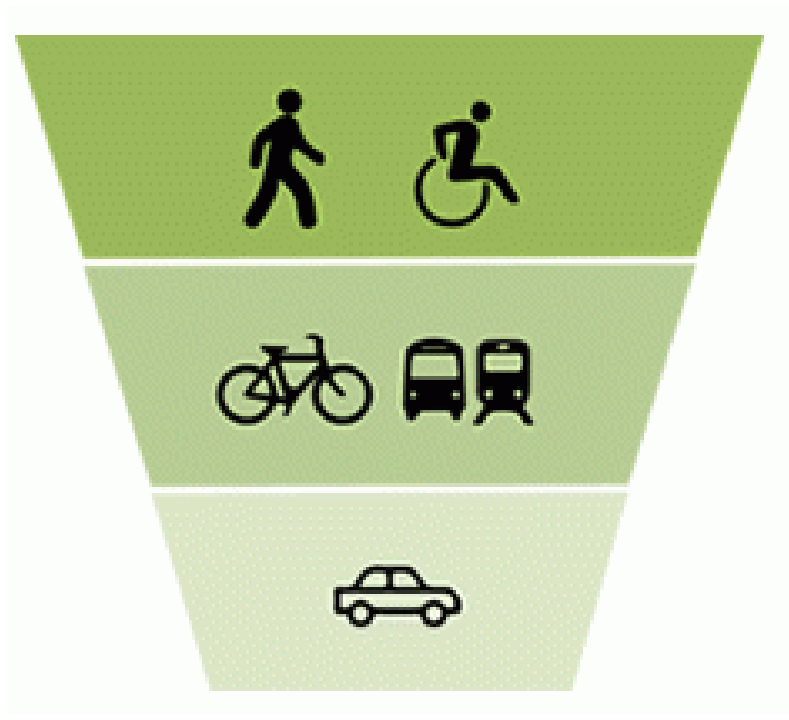




What is Vision Zero?

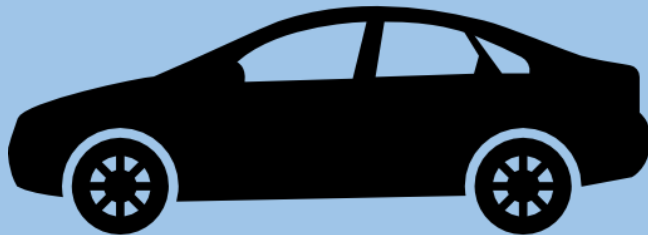
Transportation paradigm

- Changes the way we define transportation problems
- Changes how we evaluate system performance
- Types of solutions considered



Old paradigm(s)

1. Speed
2. Convenience
3. Affordability of motor vehicle travel



Vision Zero Paradigm

1. Safety
2. Multimodal alternatives
3. Accessibility
4. Equitable results



No loss of life on our roads is acceptable.

All road users deserve safe streets.

North Carolinians should not incur risk of death or serious injury in exchange for mobility.

A safe systems approach is required to eliminate fatal and serious injuries.



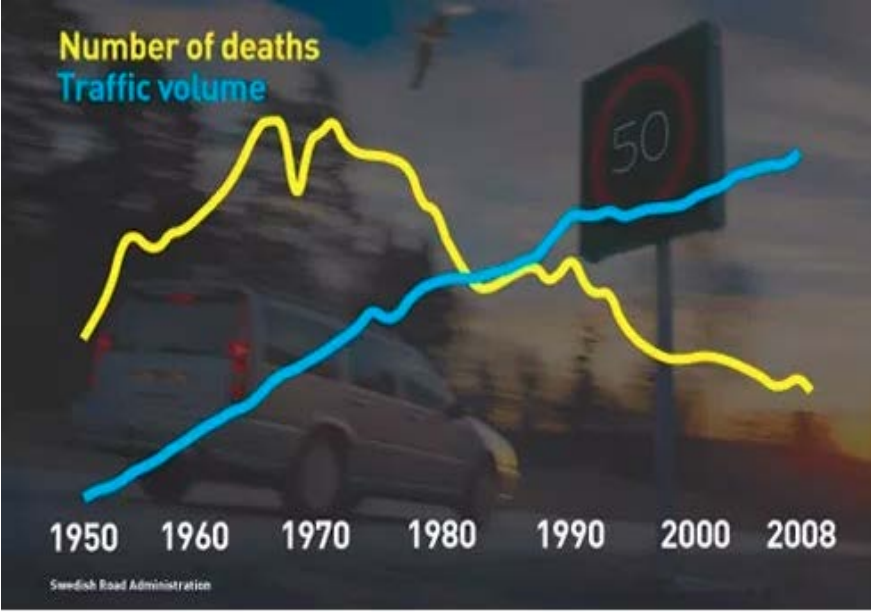
[NC Vision Zero YouTube](https://www.ncvisionzero.org/videos)
[ncvisionzero.org/videos](https://www.ncvisionzero.org/videos)





Sweden has seen a
50% reduction
in crash death rates since
starting Vision Zero in 1997.





Safe Systems Approach

- Automated speed enforcement
- Median barriers
- Alcohol interlocks
- Roundabouts



- Lower speed limits
- Better enforcement of law requiring motorists to yield to pedestrians
- Street design to improve pedestrian safety
- Public outreach

Traffic Deaths in New York City Drop to 200, a Record Low



Traffic Deaths In NYC Hit 100-Year Low



Zak Failla [f](#) [t](#) [e](#)

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New York City Photo Credit: *File photo*

...n New York City dropped to 200 last year, the lowest level in more than a century.
...man for The New York Times

The Spectrum of Prevention

Influencing Policy & Legislation

Changing Organizational Practices

Fostering Coalitions & Networks

Educating Providers

Promoting Community Education

Strengthening Individual Knowledge & Skills

Board of Commissioners Goals

Objective CH2: Improve health outcomes of Wake County residents through a comprehensive approach to population health.

Objective GG3: Create a culture within the county government that supports enhancing the health and wellbeing of employees and their families.

Objective GS1: Implement a comprehensive approach for preserving open space and developing parks and greenways to address gaps, leverage opportunities and resources, and enhance collaboration with municipal partners.

Objective GS5: Guide the implementation of the Wake County Transit Plan.

Evaluating the
ECONOMIC IMPACT
of **SHARED USE PATHS**
in North Carolina

2015 - 2017



SUMMARY
BROCHURE



\$19.4M

In total estimated annual business output resulting from sales revenue at businesses along all four SUPs in this study.



\$684K

In total estimated annual local & state tax collections resulting from trip expenditures for all four SUPs in this study.



\$25.7M

In total estimated savings associated with increased physical activity and reduction in congestion, traffic injuries, and air pollution from use of all four SUPs in this study.



\$48.7M

In total estimated business output resulting from construction of all four SUPs in this study.

A group of children are riding bicycles on a paved path. In the foreground, a young girl in a pink shirt and blue helmet is riding a white bicycle with a colorful basket. Behind her, several other children are also riding bicycles, some wearing helmets and safety vests. The path is lined with orange traffic cones on the right side. The background shows a grassy area and trees.

Clearinghouse

- Data, research, resources.

Bridge for collaboration

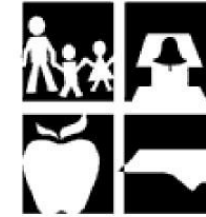
- Facilitate communication between traffic safety stakeholders across the state.

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Task Force



American
Heart
Association®



NORTH CAROLINA
DEPARTMENT OF PUBLIC INSTRUCTION



Kimley»Horn



NC Vision Zero Communities

Asheville

Charlotte *

Durham *

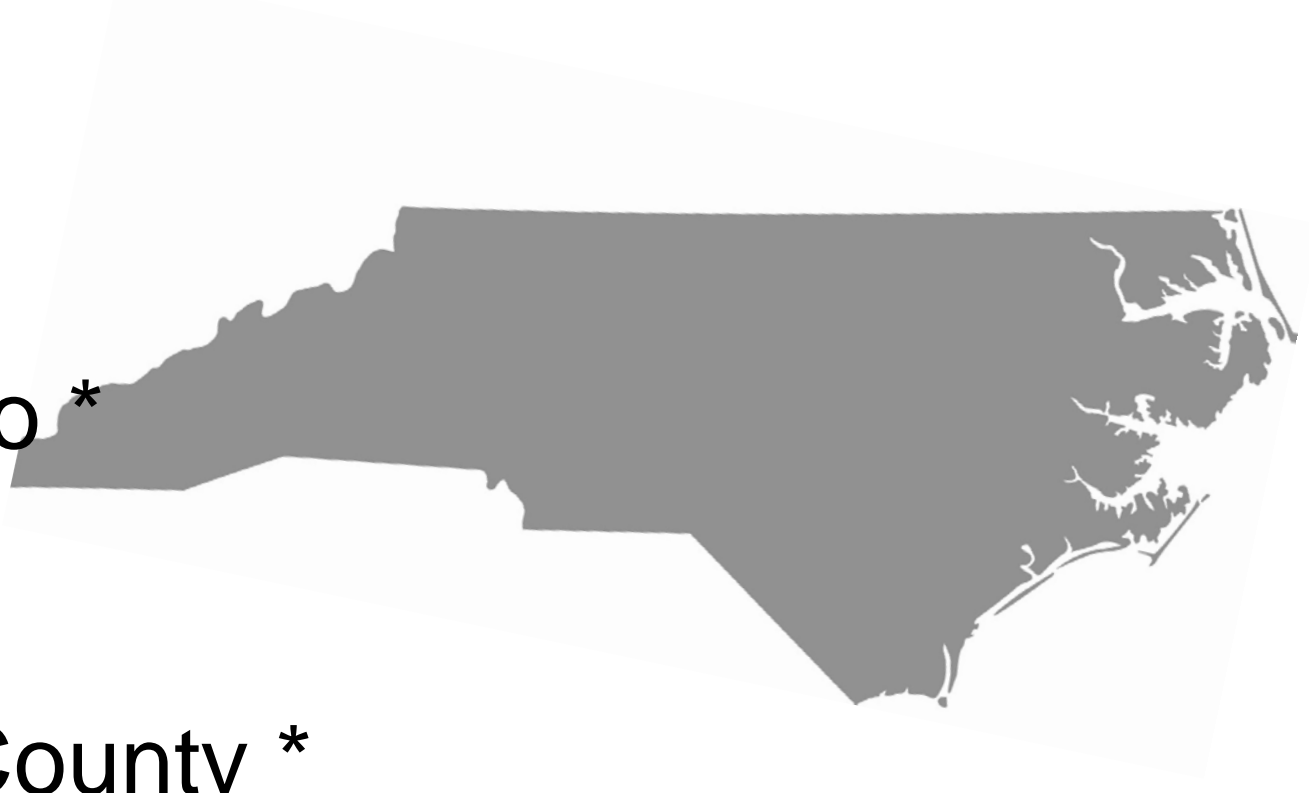
Greensboro *

Greenville

Raleigh

Robeson County *

Wake Forest

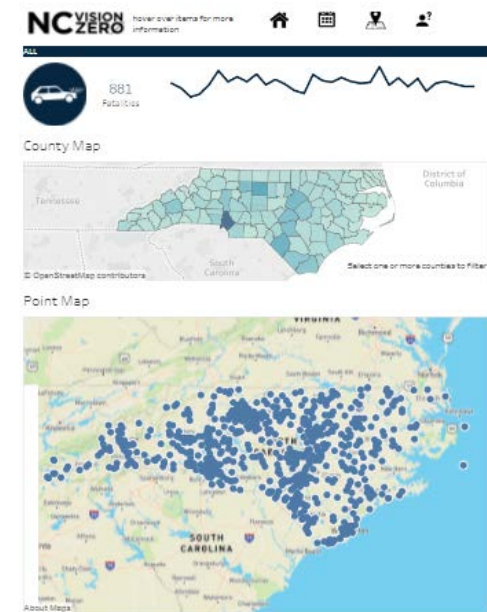
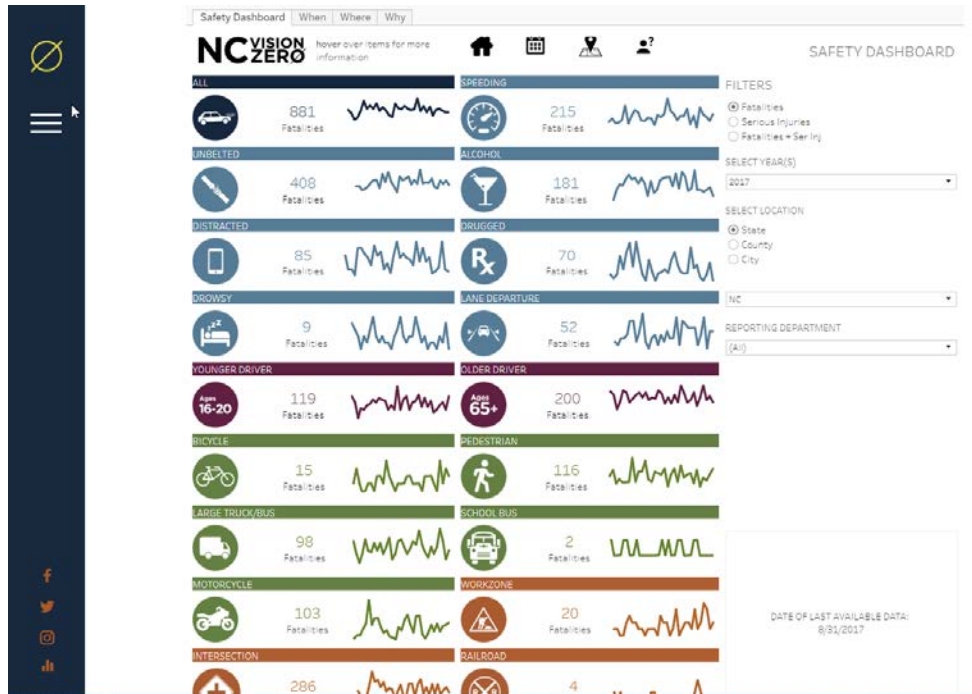




To qualify as a NC Vision Zero Community, a city/town/county must meet the following requirements:

- Set a clear goal of eliminating traffic fatalities and severe injuries.
- Mayor (or top official) has publicly, officially committed to Vision Zero and adopted a [Resolution](#).
- Develop Plan of Action or strategy, with commitment from top official.
- Engage with key city departments (including Police, Transportation, and Public Health) for multi-agency support for [national](#), [state](#), and local traffic safety campaigns.

ncvisionzero.org/data





THE need for vigorous action-wide action to promote street and highway safety has become a national priority. To call a conference of representatives of the various agencies interested in checking the steady increase in vehicular accidents. The conference will be held in Washington on Dec. 18. It will treat the subject from every angle, including scientific, traffic control, construction and engineering, city planning and zoning, insurance, education and the motor vehicle and public relations.

While the tractor killed in automobile accidents last year was given an 18.4% rating, the motor car was also concerned in other Midway fatal air. The Census Bureau charges each accident to the heavier vehicle involved. A collision between a truck and an automobile is classified as a truck accident. When street cars are colliding, the machine, the street cars are blamed upon the pedestrians. There were 3,363 deaths in truck grade tractors

"These two firms, insured for \$1,000,000 and \$75,000 non-fatal injuries respectively, give an approximate total of \$100,000,000. Add to this an average actual property damage of \$50,000 in all accidents involving either personal injury or property damage (commercially collected at 1,000,000), there results a total collected loss of nearly \$50,000,000 annually."

"These three age groups, O'Brien was quoted as saying that most of us are still addicted to habits on the street which were suitable to the life of a generation ago when all vehicles were horse drawn. The modern street calls for an entirely new set of habits and for a kind of shortness and precision which we did not even dream of twenty years ago." He recommends that the pedestrian familiarize himself with the rules of the road and traffic regulations as well as the problems of the motor vehicle driver.

mercenary. But if we want the average and the under-average in intelligence and shortness of our population who do not use the best judgment because they cannot and who, disappointed by the never-ending, never ending trials of automobiles that millions roll smoothly toward doom, eating up the highway as fast as to spend all calculations of time and money, try to throw their way through if they are to seem at all. Then I should conclude.

As to Expelling Journalists.
 "Any regulating of the profession is to be done with caution. The constitutional rights will come in play, at least. To place in the hands of any single official such as the Police Commissioner of this or any other city the unrestricted power to promulgate codes for his conduct is a questionable expedient, no mat-



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Committee Discussion and Next Steps

- Does the committee need additional information?
- Does Vision Zero fit into Wake County's current activities?
- What are potential next steps for integrating bike and pedestrian infrastructure?
- Should the Board encourage school policies that support these programs?
- Should a resolution come before the Board supporting these initiatives?