



SAFE STREETS FOR ALL/VISION ZERO ACTION PLAN & DEMONSTRATION GRANT

Carrboro Town Council – April 1, 2025

Safe Streets for All (SS4A) Basics

- Part of the Infrastructure Investment and Jobs Act; \$5 billion appropriation (\$2 billion still available).
- Two types of grants: Planning and Demonstration Grants and Implementation Grants.
- A SS4A Action Plan is required for implementation grant applications; Triangle West TPO has authored a draft Regional SS4A/Vision Zero Action Plan.
- \$2.5 million minimum for Implementation Grant awards (2024 guidelines) vs \$100k minimum for Planning and Demonstration Grant awards (2024).
- Demonstration projects: no permanent changes to roadway (i.e., restriping, signals, signage); are designed for collecting and analyzing data to demonstrate potential improvements.

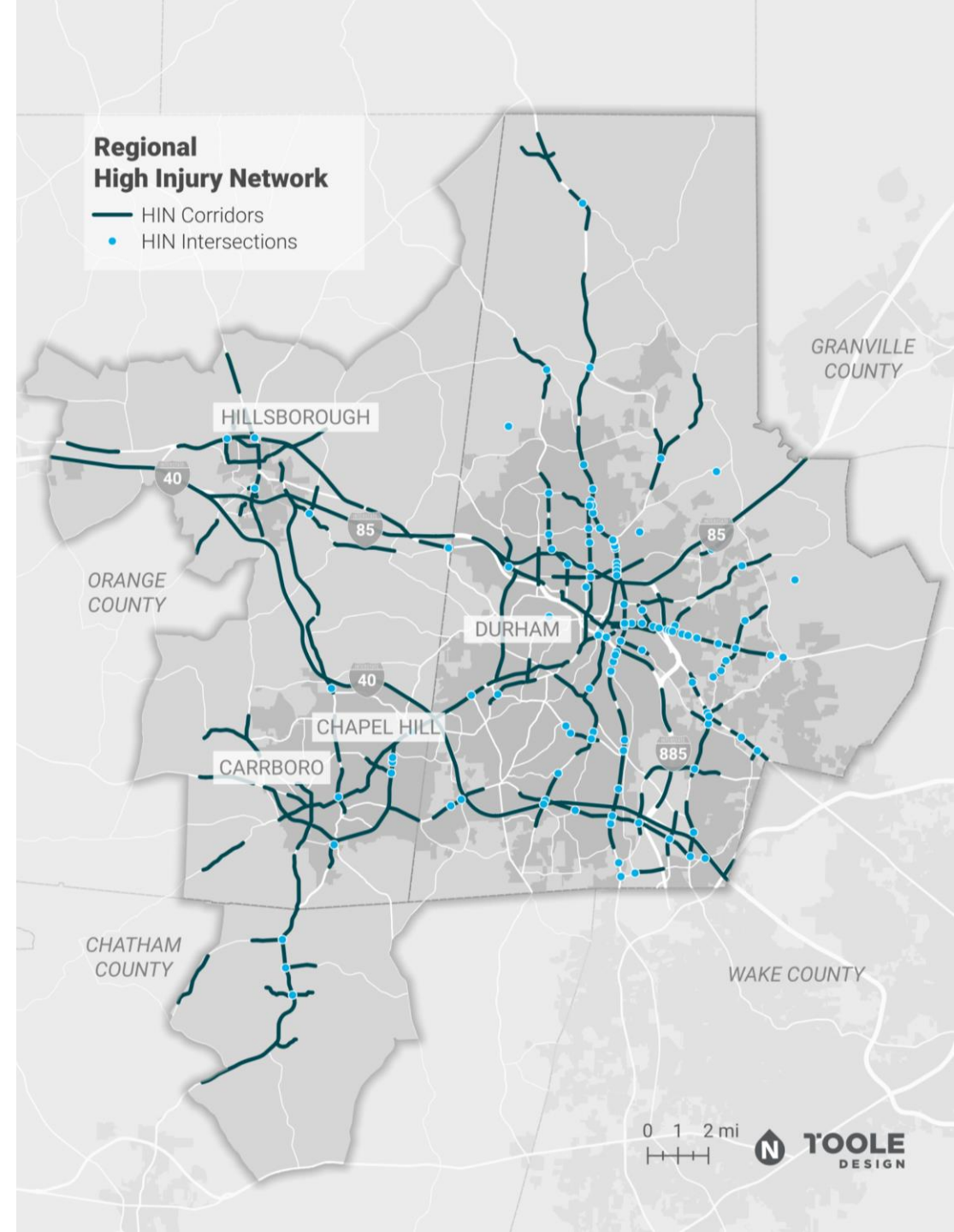
Regional Crash Summary

- High Injury Network Coverage
 - TWTPO – 7.8% covers 63.5% KSI
 - **Carrboro – 13.5% covers 100% KSI**
 - Chapel Hill – 13.7% covers 88% KSI
 - Durham – 10% covers 74% KSI
 - Hillsborough – 16.2% covers 100% KSI
 - Chatham County – 11.7% covers 94% KSI
 - Durham County – 13.3% covers 72% KSI
 - Orange County – 10.7% covers 78% KSI

DCHC MPO



VISION ZERO



Strategies & Actions



Chicane



Curb Extension



Daylighting



Mini Traffic Circle



Pedestrian Hybrid Beacon (PHB)



Raised Crossing



Hardened Centerline



High Visibility Crosswalk



Leading Pedestrian Intervals (LPIs)



Rectangular Rapid Flashing Beacon (RRFB)



Road Diet



Roundabout



Median Refuge Island



Midblock Trail Crossing



No Turn On Red



Separated Bike Lane (SBL)



Speed Cushions



Speed Feedback Sign

Performance Metrics

- Number and rates of fatal and serious injury crashes
- Changes in the number and rates of fatal and serious injury crashes over time
- Crashes along the HIN and changes in crash rates over time
- Crashes involving bicycles and pedestrians
- Crashes resulting from unsafe speeds
- Crashes on NCDOT roadways versus local roadways
- Crashes occurring on roadways in communities where a high number of indicators of potential disadvantage exist

Town of Carrboro SS4A Grant

- \$350k estimated project cost. Will require local match of around \$70k.
- A focus on implementing the Town's Safe Routes to School Action Plan.
- RRFBs at Hillsborough Rd/Quail Roost Rd (MLK Park); Hillsborough Rd/N Greensboro St.
- Pedestrian intersection improvements at W Main St/W Poplar Ave; Hillsborough Rd/Shelton St/W Main (restriping).
- Bike lane buffers on Hillsborough Rd.



Questions? Discussion.

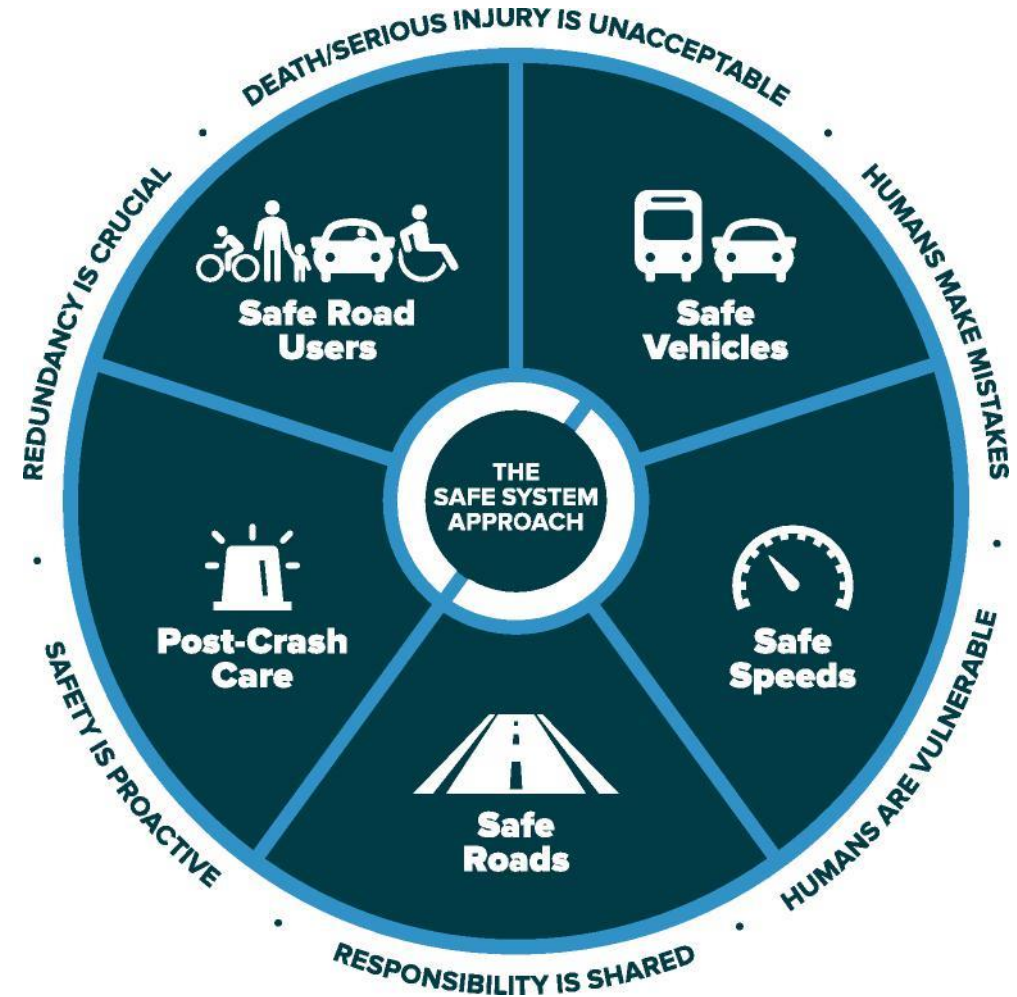


Supplemental Slides



Vision & Goals

- Safe System Approach
 - Aims to eliminate fatal and serious injuries for all road users by:
 - accommodating human mistakes
 - keeping impacts on the human body at tolerable levels



SS4A Grant - RRFBs

- Rectangular Rapid Flashing Beacons (RRFBs): attached to crosswalk signage and indicates with flashing lights that a pedestrian is using a crosswalk.
- Expected cost per RRFB: \$100k.
- Two planned RRFBs as part of project:
 - N Greensboro St at Hillsborough Rd
 - Hillsborough Rd at Quail Roost Dr/MLK Park.
- Improved access to Carrboro Elementary and McDougle Elementary/Middle.



SS4A Grant – Intersection/Buffers

- Restripe intersection of W Main St and W Poplar St to improve pedestrian safety (refuge islands); approximately \$50k.
- Restripe intersection of Shelton St/W Main St/Hillsborough Rd to improve pedestrian safety and compliment Shelton St bike/ped improvements. Approximately \$75k.
- Add buffers to existing bike lanes (and delineators if possible) to Hillsborough Rd. Budgeted cost of \$25k.

SS4A Grant – Intersection/Buffers

