

# PROVEN COUNTERMEASURES TO IMPLEMENT VISION ZERO

The City of Charlotte has applied for a USDOT Safe Streets and Roads for All (SS4A) Implementation Grant to further advance our Vision Zero Action Plan. The city is requesting \$5,583,360 to implement low-cost, high-value countermeasures to address intersection and pedestrian safety needs, with 65% of the benefits located in Transportation Disadvantaged Census Tracts.





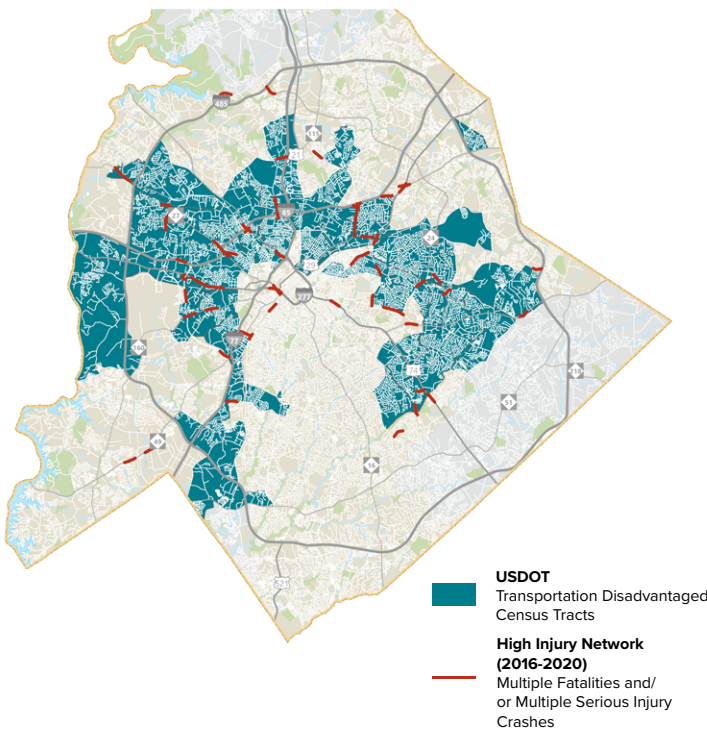
# CHARLOTTE VISION ZERO

In 2018, the City of Charlotte undertook a data analysis and public involvement effort to develop the [Vision Zero: Safer Streets for Charlotte, 2019 – 2030 Action Plan](#) to address fatal and serious injury crashes and provide the city's residents with the safe and effective transportation system they deserve.

With more than 850,000 people calling Charlotte home and over half of those residents living in designated Transportation Disadvantaged Census tracts, the city carefully considered equity from the onset through detailed equity analysis and formed an inclusive [Vision Zero Task Force](#). The City Council recently adopted the [Strategic Mobility Plan](#), which reinforces the commitments set forth in the Vision Zero Action Plan.

## High Injury Network

The City of Charlotte High Injury Network (HIN) is based on increasing severity and number of crashes, and is a key focus area of Charlotte's Vision Zero efforts. The entirety of the HIN encompasses nearly 346 miles of roadway within the city, with 53.4% of the network within or bordering a Transportation Disadvantaged Census Tract.



## Proposed Project Categories

Through the Safe Streets and Roads For All (SS4A) grant program, the City of Charlotte will utilize requested funds to implement up to thirty-three low-cost, high-value projects, with 65% of the benefits located in Transportation Disadvantaged Census Tracts. The projects in this grant focus on improving the safety and mobility of pedestrians and other non-motorized users within three project categories:

- **Accessible Pedestrian Signals (APS) and Leading Pedestrian Interval (LPI) Projects (13 projects total):** Intersection retrofits to upgrade to LPI operations.
- **Pedestrian Crossing Projects (11 projects total):** high-visibility crosswalks, rectangular rapid flashing beacons, pedestrian hybrid beacons, a pedestrian refuge island, and a traffic signal.
- **Safe Routes to School Projects (9 projects total):** high-visibility crosswalks, raised crosswalks, filled sidewalk gaps, pedestrian hybrid beacons, buffered bicycle lane, and rectangular rapid flashing beacons.

With SS4A grant funding, the City of Charlotte will be well-positioned to implement safe, equitable, and effective low-cost projects based on proven safety countermeasures. By leveraging local funding with grant dollars, the city can deliver more projects to the community.

## Submission Details

- **UEI:** Y84GJESBH8W5
- **Application Name:** Proven Countermeasures to Implement Vision Zero
- **Opportunity Number:** DOT-SS4A-FY22-01
- **Opportunity Name:** Safe Streets and Roads for All Discretionary Grant Program
- **CDOT Grant Type:** Implementation