

Crash History

2018-2022

1050 Total Crashes

7 Fatal Crashes

20 Pedestrian Related Crashes

13 Bicycle Related Crashes

347 Injury Crashes



2018

221

18 per Month

2019

200

17 per Month



2020

169

14 per Month



2021

255

21 per Month



2022

205

17 per Month

Project Background

This project was initiated by SCDOT's Office of Traffic Safety. The project began with a Road Safety Audit (RSA) which was performed by a multidisciplinary team consisting of representatives from SCDOT, engineering firm AECOM, Horry County, City of Myrtle Beach, SC Department of Public Safety, Waccamaw Regional Council of Governments, and Grand-Strand Area Transportation Study.

With input from these organizations, the RSA provided recommendations for improving the safety along US 17 Business. The recommendations included in the report are now being designed for implementation on the corridor with this project.

Key Project Elements

- Installation of concrete medians in areas with high frequency of angle collisions
- Installation of ADA compliant pedestrian ramps, crosswalks, and countdown pedestrian signals at signalized intersections to improve pedestrian safety
- Installation of new sidewalks
- Upgrading signal equipment and intersection operation to improve safety at signalized intersections

ADA Ramps

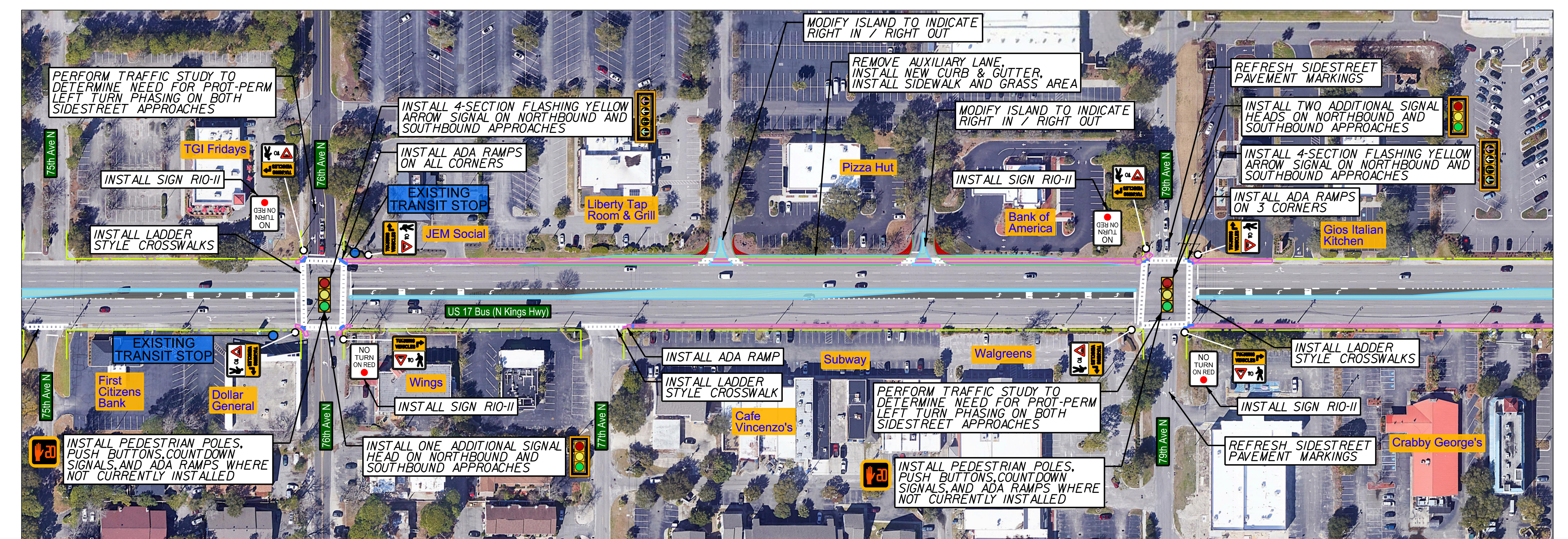
The Americans with Disabilities Act defines criteria for ramps and pedestrian features. This criteria includes width of ramp and sidewalk, placement of pedestrian push buttons, slope of the sidewalk, etc.

Sidewalks

Sidewalks were proposed in areas that have existing gaps in connectivity. The proposed improvements will aim to increase accessibility and connectivity to surrounding amenities, transit, and store fronts.

Raised Concrete Median

Providing a raised concrete median in an area with no existing median has been found to reduce crashes in that segment by approximately 23%. Medians reduce the number of turning movement conflicts on the roadway. (Source: Crash Modification Factors Clearinghouse)



Angle crashes (circle icons) make up 48% of the total crashes. Rear end crashes (star icons) account for 24% of crashes in the studied segment of US 17 Business.

