

NCDOT Traffic Safety Unit Programs



Road Safety Review Program

The Road Safety Review (RSR) is a formal review of a roadway with a structured process:

- Available data concerning the roadway and the crash history is compiled.
- A kick-off meeting is held to present the data to all team members for review.
- An independent review team not previously involved with a location performs the field investigations as a group, and identifies potential recommendations.
- The findings and recommendations are presented to the host Division and Region for comment.
- The final report is a summary of the safety issues identified through the process.

Background

The purpose of the RSR is to identify, investigate, and recommend improvements for roadways and intersections with high crash rates that will ultimately lead to a reduction in crashes, injuries and fatalities. Many have examined roadways in rural areas; however, some have had special focuses, including bicycle/pedestrians, motorcyclists, and urban signalized corridors.

The safety issues and recommended strategies documented in each report are intended to improve the overall safety of the study locations. The recommendations generally include lower cost signing and maintenance strategies that can be addressed in the short term and higher cost countermeasures that are more long term solutions to reduce the number and severity of crashes. In addition, enforcement components may be necessary to address some non-engineering human behavioral aspects. Time and budget constraints may dictate when and whether certain strategies are implemented.



Results

Over the last 20-years, many RSRs have been completed across North Carolina. The program has proven effective at improving safety. A Benefit/Cost (B/C) Analysis was performed from 12 RSR's completed in 2010 and 2011, resulting in a **B/C of 32:1**.