

Safety Selection Criteria and Scoring

The below criteria (A-G) will be used to rank all proposed projects. The selection criteria will be based on the data for the most recent consecutive three-year period in the completed safety study or crash analysis.

A. Crash Frequency/Density

Crash Frequency - Number of crashes occurring at an intersection

Density - Number of crashes per mile occurring along a section of highway (minimum length of .4 mile)

B. Crash Rate

Intersection - Number of intersection and related crashes per million vehicles

Section- Number of section (minimum length of .4 mile) crashes per million vehicle miles

C. Severity Index (RSI)

The Relative Severity Index (RSI) represents the relative cost to society of a specific type of crash (head on, rear end, angle accident, etc.). The RSI is the sum of the relative costs per crash divided by the total number of crashes. This threshold is given the highest weighting because it best represents the potential severity of crashes occurring at a site.

D. Equivalent Property Damage Only Rate (EPDO Rate)

The EPDO value is calculated by weighting crashes from lowest to highest as follows:

- 1) Number of crashes which were property damage
- 2) Number of crashes with injury, and
- 3) Number of crashes with a fatal

E. Percent Trucks

Truck Average Daily Traffic (ADT) divided by Total ADT

F. Rate of Return

The rate of return is the anticipated return on the investment. The investment is the cost of the improvement plus cost of maintenance for the life of the improvement. The return is the savings in crash costs, property damage, injuries, and fatalities.

G. High-Risk Rural Roads

Special consideration will also be given to projects that qualify for the High Risk Rural Roads Program. This is a federally designated program that sets aside annual funding for construction and operational improvements on roadways functionally classified as a **rural major** or **minor collector** or a **rural local road**. These roads must have a fatal and incapacitating injury crash rate higher than the statewide average.