

Strategic Highway Safety Plan (SHSP) Goals

- Reduce fatal crashes
- Reduce serious injury crashes

On all public roadways

Zero Fatalities[®]

Drive Safe Nevada

NEVADA STRATEGIC HIGHWAY SAFETY PLAN

The Nevada Strategic Highway Safety Plan identifies five critical emphasis areas where there are a relatively high number of traffic crashes:





Our Project Selection Process is Data Driven.....

Starts with Analysis of Crash Data and Traffic Volumes,

Followed by Field Reviews,

And Interviews with District Staff and Local Agency Staff





Most Traffic Safety Engineering Efforts Cover These Fatal/Serious Injury Crash Categories:

- Lane Departure
- Intersections
- Pedestrians







Lane Departure Projects

- Identify Locations by density of crashes on State Highways, U.S. Routes, NHS Routes and Interstate
- Locations are ranked by crash severity/frequency for fatal and serious injury crashes
- When possible countermeasures are added to 3R or other roadway projects
- Some are stand alone projects with highest ranking





LANE DEPARTURE CRASHES

Addressed by the following countermeasures:

- Rumble Strips and Stripes
- Barrier Cable, Guardrail, Concrete
- Shoulder Widening/Slope Flattening
- Curves





Rumble Strips and Stripes







Rumble Strips and Stripes

- Since 2007, over 3000 miles of centerline and edge line rumble strips and stripes
- Now a current design standard on all rural contracts





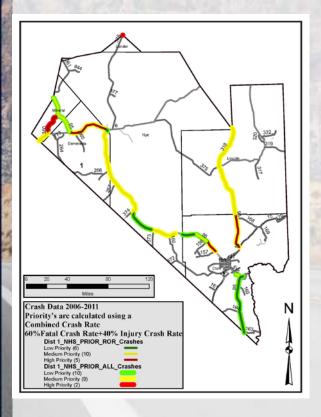
Median Barrier

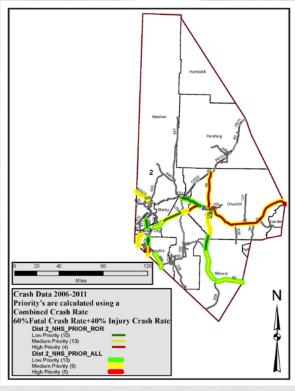


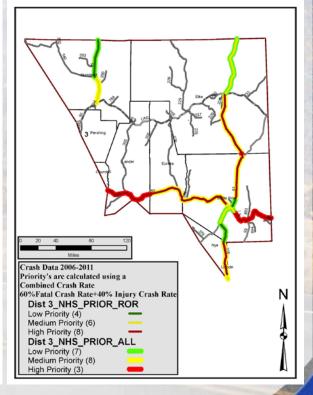


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Shoulder Widening/Slope Flattening Selection Process

















Shoulder Widening/Slope Flattening - Before





Shoulder Widening/Slope Flattening – In Progress







Intersection Projects

- Typically intersection countermeasures are done systemically
- Systemic means countermeasures are applied system wide and don't rely only on high crash locations
- Location input is required from District and local agency staff
- Most locations are on higher volume streets in urban areas and U.S. routes in rural areas





INTERSECTION CRASHES

Addressed by the following countermeasures:

- Flashing Yellow Arrow (Urban)
- Flashing Stop Beacons (Rural)
- Roundabouts





Flashing Yellow Arrow







Flashing Stop Beacons







Roundabouts







Pedestrian Projects (State Funds)

- Improvement locations are limited to State roads
- Pedestrian Crash Data is analyzed for location, driver and pedestrian action
- Locations are field reviewed and evaluated per the NDOT Process for the Evaluation of Uncontrolled Crosswalk Locations
- Location input is required from District and local agency staff





Pedestrian Projects (State Funds) continued

- Locations are ranked using the NDOT Potential Pedestrian Safety Improvement Project Selection Matrix
- Most locations are on higher volume streets in urban areas and U.S. routes in rural areas





PEDESTRIAN CRASHES

Addressed by the following countermeasures:

- Pedestrian Activated Rapid Rectangular Flashing Beacons (RRFB)
- Enhanced LED Street Lighting
- Pedestrian Refuge Islands
- Pedestrian Bulb Outs
- Danish Off-sets



Pedestrian Safety Countermeasures









