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Roadway Safety Foundation
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RUMBLE on the RESERVATION

using rumblestrips to prevent run-off-the-road crashes

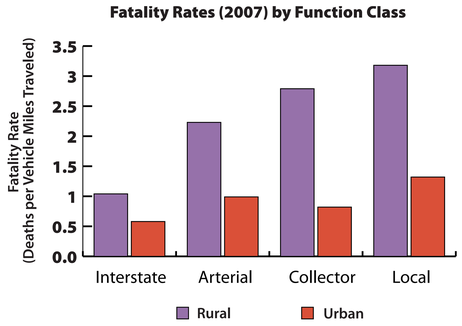
Rumble on the Reservation is an 11-minute DVD produced by the Roadway Safety Foundation and Michigan Technological University's Tribal Technical Assistance Program (TTAP). The film and corresponding brochure document motor vehicle crashes as a critical public health issue facing American Indian/Alaskan Native communities, and promote the use of rumblestrips on tribal lands as a cost-effective, proven crash countermeasure.

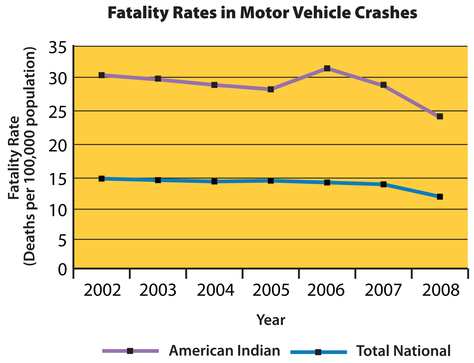
THE PROBLEM...

The American Indian/ Alaskan Native population has consistently been over-represented in motor vehicle crash fatality numbers for many years, and is burdened with a fatality rate on the road roughly double the national average.

American Indian /Alaskan Native communities are mainly served by rural roads. These types of roads:

- Experience fatality rates 2 – 3X higher than those of Interstates or urban roads
- Account for 2/3 of the country's roadway departure crashes – an extremely severe type of crash responsible for the majority of traffic fatalities nationwide





WHAT CAN BE DONE?

Install rumblestrips – a cost-effective, proven solution

What are rumblestrips? Rumblestrips are grooves or bumps in the pavement designed to provide a warning to drivers who are about to depart their travel lane. They can be installed on the edge of the roadway to prevent run-off-the-road crashes, or down the centerline to prevent head-on or sideswipe crashes.

How do they work? When your tires roll over a rumblestrip, the grooves cause the car to vibrate and a loud noise is generated. This provides a warning to the driver: take corrective action before it's too late!

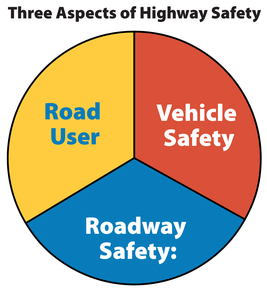
Rumblestrips are up to 80 percent effective in reducing single vehicle run-off-the-road crashes.

RUMBLESTRIPS IN ACTION

Kirk Vinish, Transportation Planner of the Lummi Nation, explains that the community decided to install rumblestrips after two children were tragically killed in separate crashes along the same stretch of roadway by errant vehicles. In the three years since rumblestrips were implemented, there have been no further run-off-the-road crashes, pedestrians have been much more willing to use the road, and the bottom line has been a virtual elimination of deaths, injuries, and single-vehicle crashes.

OUR APPROACH...

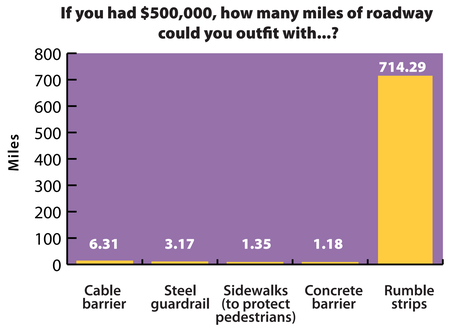
RSF is the nation's only organization dedicated solely to reducing traffic crashes, fatalities, and injuries by promoting cost-effective, proven measures to **improve roadway safety.**



The contribution to overall highway safety made by the physical and operational characteristics of the roadway and its environment.

RUMBLESTRIPS: AFFORDABLE, VERSATILE, AND QUICK TO INSTALL

At just 10-20 cents per foot to install, communities with limited resources for road projects can protect many more miles of roadway with rumblestrips than with many other types of roadway departure countermeasures.



*note: estimates based on data from Michigan DOT and AASHTO and are provided for comparison purposes only. Actual costs depend on project, road type, location, contract bids, etc.

Roadway Safety FOUNDATION

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