Install Transverse Rumble Strips on the Intersection Approach

Application of depressions or raised areas across the surface of an approach lane to produce an audible and tactile warning of the impending intersection.

**Targeted Crash Types**
- Right-angle
- Rear-end (major road)
- Rear-end (minor road)

**Conditions Addressed**
- Crash history or observed conflicts due to lack of awareness of the intersection.
- Citation history or observations of speeding on approach to intersection.

**Problems Addressed**
- Inadequate visibility of intersection or intersection traffic control devices
- Speeding

**Considerations**
- Use in combination with Intersection Warning (W2-1 through W2-8), Advance Traffic Control (W3-1 or W3-2), or Pedestrian Crossing (W11-2) signs.
- Noise generated from vehicles traversing the rumble strips can be an issue when residences are in close proximity to the intersection.
- Can require significant maintenance activities, especially on approaches characterized by high volumes of truck traffic.
- Raised rumble strips should not be used in areas where snowplowing is conducted.

**Industry Standard**
*MUTCD*  
Section 3J.02: Transverse Rumble Strip Markings

**Other Resources**
- Innovative Operational Safety Improvements at Unsignalized Intersections, Florida DOT
- Low-Cost Safety Enhancements for Stop-Controlled and Signalized Intersections, FHWA
- Intersection Safety: A Manual for Local Rural Road Owners, FHWA
- NCHRP 613: Guidelines for Selection of Speed Reduction Treatments at High-Speed Intersections

**Select Examples**
- Crest Rd. & Allen Rd., East Flat Rock, NC
- County Road 833 & FL 80, Clewiston, FL