

Virginia Highway Safety Improvement Program (VHSIP) Proactive Systemic Initiatives for VDOT-Maintained Roads: Curve Signage



*Chevron signs on the outside of a
curve*

VDOT works hard to provide a roadway network that operates safely, efficiently, and effectively. In 2019, the Commonwealth Transportation Board approved the deployment of highly effective, low-cost safety improvements to help reduce serious injury and fatal crashes across the Commonwealth. This data-driven strategy focuses on proactively targeting locations with higher crash risk. The goal is not to wait for crashes to occur before we proactively treat high-risk locations on the roadway network!

The **Curve Signage** initiative includes low-cost safety treatments that can be implemented in advance of, or within, curves. These curve delineation devices (e.g., horizontal alignment signs) can be installed at select curves on VDOT-maintained roads throughout the Commonwealth. Research has shown that these countermeasures can reduce crashes that result in fatalities or injuries, particularly those crashes at curves where the vehicle leaves their lane or the roadway and those in low-visibility settings.

The curves are identified by a combination of traffic volume and roadway curvature. The specific treatments range from horizontal alignment warning signs to curve warning signs and advisory speed plaques. The treatments are based on the type of roadway and the speed differential between the roadway's posted or statutory speed limit and the horizontal curve's advisory speed.

For any questions on inquiries on VHSIP, please email: hsiprogram@vdot.virginia.gov

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