VDOT
Virginia Department of Transportation

Virginia Highway Safety Improvement Program (VHSIP)
Proactive Systemic Initiatives for Locally Owned/Maintained Roads:
Enhanced Curve Delineation

Retroreflective material on chevron posts.

On-pavement signage.

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!

Enhanced Curve Delineation includes a variety of potential strategies that can be implemented in advance of, or within curves. These treatments can be used in combination or individually and includes pavement markings, in-lane curve warning pavement markings, retroreflective strips on signposts, delineators, chevron signs, enhanced conspicuity, dynamic curve warning signs, and sequential dynamic chevrons.[1] Research has shown that these countermeasures can reduce crashes, particularly those resulting in fatal or injuries or those in low-visibility settings.

Local projects will be selected and funded based on a variety of criteria, including return on investment (ROI), a project's potential to meet Virginia's Highway Safety Investment Strategy goals, and project scope and feasibility.

Localities shall follow the locally administered project procedures described in the LAP Manual[2]. All contract work is required to be eligible for federal funding.

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

Sign up for VHSIP email notifications to be notified of revised guidance, program updates, training opportunities, and more! Listserv Sign-up link: http://eepurl.com/hY1DSj

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[1] https://safety.fhwa.dot.gov/provencountermeasures/enhanced_delineation.cfm
[2] https://www.virginiadot.org/business/locally_administered_projects_manual.asp