

Virginia Highway Safety Improvement Program (VHSIP) Proactive Systemic Initiatives for Locally Owned/Maintained Roads: Pedestrian Crossings



High visibility crosswalk with RRFB and median refuge island.



Improvements for pedestrian crossings on Shenandoah River Lane, Virginia.

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 **Pedestrian Crossings** may take many forms including treatments such as crosswalk visibility enhancements, rectangular rapid flashing beacons (RRFB), pedestrian hybrid beacons (PHB), leading pedestrian interval (LPI), medians with pedestrian refuge islands, and more. Research has shown that enhanced crosswalk visibility can reduce injury crashes up to 40 percent.¹

VDOT's latest [PSAP priority corridor and crash cluster map](#) should be used to identify and review potential signalized, unsignalized, and mid-block locations where pedestrian crossing countermeasures can be installed as part of this effort. Any location within the PSAP priority

corridor is eligible for funding, through Virginia's Highway Safety Improvement Program (VHSIP), but locations may be prioritized based on PSAP corridor percentile.

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

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¹ <https://safety.fhwa.dot.gov/provencountermeasures/crosswalk-visibility.cfm>

² https://www.virginiadot.org/business/locally_administered_projects_manual.asp