



Virginia Strategic Highway Safety Plan

Intersections Emphasis Area Plan

Priority Strategies

1. Implement roadway improvements that ensure human mistakes and vulnerabilities do not result in serious injuries or fatalities.
2. Adopt an approach that considers risk when prioritizing locations for safety improvements and programs.
3. Recognize traffic safety as a public health issue and establish policies and programs that promote safe behavior and reduce crash severity outcomes.
4. Develop and implement programs that provide education and awareness to high-risk road users.
5. Implement innovative solutions and utilize current and emerging technologies.

Emphasis Area Tasks

- Review actions and select 10. Include a mix of what can be done today and what can be done in the future. Refrain from just selecting all ongoing strategies and focus on priorities. *(Note: each individual's selections will not necessarily make it to the final list. We will identify those 10 that capture the needs of the group.)*
- Combine or reword actions whenever possible. Example: Combine actions 1 & 2 - *Use data to identify which population groups are at highest risk for not wearing safety belts and develop materials to increase awareness of the benefits of safety belt use among these low-use groups.*
- Apply the Action Test for each action.
- Determine the time frame, e.g., those actions that can be done in the next two years (short term) ; those that can be done in the next three to five years (longer term) and any that are ongoing.
- Identify any new actions that support the principal strategies and are not included on this list.

Action Test

- What can actually be accomplished? *(What is working today and ideas for the future.)*
- Is there an interest in pilot testing a program or project?
- Is it feasible in terms of budget and resources?
- Are there policy or political considerations that require it to be included?
- Is there a way to combine or rewrite actions to result in fewer actions?

Action #	Priority Strategy	4E	Action	Time Frame
1	1	Engineering	Complete deployment of VDOT modernized traffic signal control technologies and implement real-time signal monitoring and control strategies. Investigate and implement new technologies for conflict mitigation as they become available.	Ongoing
2	4	Engineering	Apply access management practices in project planning and development phases to ensure proper spacing and sight distance. Consider the impacts of access management on multimodal road users.	Ongoing
3	4	Engineering	Expand potential for safety improvement network screening to include roadway and intersection types not currently covered with safety performance functions or lacking traffic volumes. Consider using additional intersection and roadway inventory elements during development of safety performance functions.	Ongoing
4	2	Education Engineering	Institutionalize the consideration of safe system and innovative designs through the Intersection Control Evaluation (ICE) process. Evaluate and enhance messaging on the benefits and use of innovative intersections and interchanges.	Near Term
5	4	Education	Improve users' knowledge of new and existing traffic control devices for intersections through publications, web brochures, Driver Education materials, the Safety Circuit Rider Program, and social media.	Ongoing
6	1	Engineering	Update the VDOT systemic safety implementation plans for unsignalized and signalized intersections. Continue evaluation and outreach on the benefits and expand the use of these improvements at locally-maintained intersections.	Ongoing
7	2	Education Enforcement Engineering	Investigate alternate strategies to reduce red-light running for all users. Work with law enforcement and educators to initiate focused law enforcement and messaging/outreach activities to reduce red-light running.	Long Term
8	1	Engineering	Implement strategic plan for passive and active public railroad highway grade crossings, including grade separations, intersection warning and signing, gating, and signalized intersection interconnection.	Ongoing
9	2	Engineering	Promote the use of the Human Factors Guide in project planning and development and provide related application training on roadway and traffic control design assessments.	Long Term
10	1	Engineering	Implement VDOT Complete Streets Policy to apply practical design alternatives assessments based on multimodal travel demand and safety performance.	Ongoing