Virginia Strategic Highway Safety Plan

Data 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	5	Engineering	Coordinate with TRCC partner agencies on TREDS and RNS enhancements to include data integration needs and requirements.	Ongoing
2	5	Enforcement Engineering	Enhance mapping that includes street names, addresses, and route numbers. Enhance ease and accuracy of the front-end mapping of crash locations by reporting officers.	Ongoing
3	5	Engineering	Share data with approved Commonwealth agencies through the Secure Connected Government Cloud.	Long Term
4	5	Engineering	Incorporate non-personal information from emergency medical services data incident reporting and trauma registry data into TREDS.	Long Term
5	5	Engineering	Populate, monitor, and enhance as necessary the electronic data transfer to federal partners (e.g., NHTSA, FMCSA, FHWA, FRA)	Ongoing
6	3	Education Enforcement Engineering	Work with and provide improved training methods to local and state law enforcement agencies on electronic crash data collection and reporting to TREDS.	Ongoing
7	5	Engineering	Integrate HSM methods into VDOT information systems, software, policies, and procedures. Investigate software tools for highway safety planning and for project development analysis to determine needs and requirements for data translation, software functionality, training, and reporting. Implement and provide training for safety software deemed effective.	Long Term
8	5	Engineering	Complete the Federal Regulation Model Inventory of Roadway Elements (MIRE) fundamental data collection requirements with consideration of adding other beneficial elements. Create a safety data mart integrating available roadway, roadside, and traffic control device asset and condition data with crash and traffic data to support safety analysis, mapping, and reporting needs.	Long Term
9	5	Engineering	Upgrade the inventory of crash data and roadway and traffic engineering asset data on state- and locally-maintained roads and integrate into the VDOT linear referencing system (LRS). Adopt a common data dictionary for core data elements.	Ongoing
10	3	Engineering	Provide coordinated statewide safety performance data to MPO, PDC, and locality partners.	Ongoing
11	5	Engineering	Use emerging and traditional safety data and methods to expand and create innovative analysis tools to positively affect implementation of behavioral and infrastructure safety programs.	Ongoing