



COMMONWEALTH of VIRGINIA
Office of the
SECRETARY of TRANSPORTATION

VTrans Strategic Actions
Commonwealth Transportation Board Workshop

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VTRANS STRATEGIC ACTIONS: CONTEXT AND OVERVIEW

1
CTB's Vision, Guiding
Principles, Goals
and Objectives

2
VTrans Mid-term
Needs: Identification
and Prioritization

3
VTrans Long-term
Risk & Opportunity
Register

4
Strategic Actions
(Recommendations)



Presentations:

- September 2021
- October 2021

Presentation today

Request for Action: December 2021 CTB Meeting

VTRANS STRATEGIC ACTIONS: CONTEXT AND OVERVIEW

- ▶ At the end of the VTrans planning process, CTB has adopted actions or recommendations that guide OIPI, VDOT, and DRPT business plans.
 - ▶ A total of 16 actions are being proposed for CTB's consideration for the current update.

	ACTIONS OR RECOMMENDATIONS IN THE <u>PREVIOUS VTRANS UPDATES</u>				<u>PROPOSED</u>
Year of Update	2004	2009	2013	2018	2021
Total Actions	50	19	37	12	16
Reporting Mechanism	No	No	No	Yes	Yes

► Actions that address Risks & Opportunities related to **Flooding Vulnerability**

1. Develop a **roadmap that identifies funding needs and prioritizes investment in data collection** (e.g., right-of-way mapping, precipitation, roadway elevation, etc.) to more accurately assess flooding risks for state- and locally-maintained roadways.
2. Utilize the VTrans flooding risk analysis or another more detailed location-specific risk assessment to **develop policies to ensure flooding risks are reflected in transportation asset life cycle** or transportation project planning activities.
3. Collaborate with state agencies with the intent to **systematically identify solutions to flooding risks** to facilitate consistent and systematic prioritization and allocation of state resources.

- ▶ Actions that address Risks & Opportunities related to **Megatrend: Technology**
 4. Evaluate options to gather **vehicle automation and capability data** for the state's registered vehicle fleet to develop a more complete and accurate assessment of risks and opportunities associated with automated vehicles.
 5. Develop a **roadmap for implementing foundational digital practices** such as digital as-builts (DABs) and information management processes for capturing asset information for transportation infrastructure.
 6. Evaluate and facilitate desirable **deployment of vehicle-to-infrastructure communications** along limited-access highways by the private sector.

► Actions that address Risks & Opportunities related to Megatrend: Technology

7. Evaluate opportunities to **provide access to the available real-time or up-to-date state transportation asset and operations data** in digital formats for use by the public and industry partners to support autonomous vehicle deployment.
8. Identify and develop solutions to **address barriers to the installation of electric vehicle charging infrastructure** by the private sector.
9. Evaluate and **establish sidewalk and curb management best practices** for state-owned roadways and promote them for locality-owned roadways.

► Actions that address **Transportation (VTrans Mid-term) Needs** based on CTB Policies

10. Formalize a process for **comprehensive needs identification and prioritization for the § 33.2-372: Interstate Operations and Enhancement Program** utilizing the transportation planning policies established by the CTB in VTrans.
11. **Evaluate the performance of selected construction projects** from the SMART SCALE, Interstate Operations and Enhancement Program, Virginia Highway Safety Improvement Program, and DRPT's MERIT program to determine if the selected projects are providing the anticipated benefits and to support efforts to continue to improve project evaluation criteria and methods.
12. **Establish a regular study cycle for Project Pipeline studies**, as defined in the CTB Policy for the Prioritization of VTrans Mid-term Needs adopted in March 2021, to include solutions for the most up-to-date VTrans Priority 1 and 2 locations.

► Actions that address VTrans Guiding Principles based on CTB Policies

13. Evaluate the feasibility of and alternatives to a **combined dashboard to monitor performance** and delivery of projects and programs included in the Six-Year Improvement Program (SYIP).
14. Evaluate and, if feasible, integrate the remaining application-based highway and transit capital funding programs and transit operating funding programs administered by OIPI, VDOT, and DRPT into the SMART PORTAL to **provide one-stop access to state's funding programs**.

► Actions that address all VTrans Long-term Risks & Opportunities

15. Identify and clarify roles and responsibilities of the state transportation agencies related to emerging areas such as curb management, shared mobility, drones, etc., to ensure greater focus.
16. To methodically address items in the 2021 VTrans Risk & Opportunity Register, formalize OIPI's role in supporting and advising the CTB in the conduct of CTB business and the development of a comprehensive transportation policy as required by 2.2-229.

➤ Request Board Action:

- Policy for Development and Monitoring of VTrans Long-term Risk & Opportunity Register
- VTrans Strategic Actions

➤ OIPI will provide annual updates to the Board on:

- VTrans Macrotrends and efforts related to the identified risks and opportunities
- Status of VTrans Strategic Actions