

















COMMONWEALTH of VIRGINIA Office of the ______ SECRETARY of TRANSPORTATION

VTrans Overview

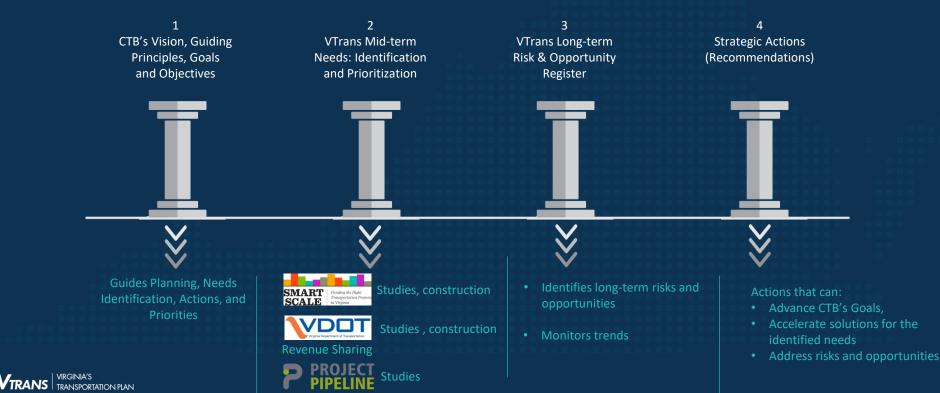
RRTPO Community Transportation Advisory Committee

Chris Wichman, Statewide Transportation Planning Office of Intermodal Planning and Investment

November 18, 2021

WHAT IS VTRANS?

- > VTrans is Virginia's Multimodal Surface Transportation Plan and includes four major components.
 - It is prepared for the Commonwealth Transportation Board (CTB) by the Office of Intermodal Planning and Investment (OIPI).



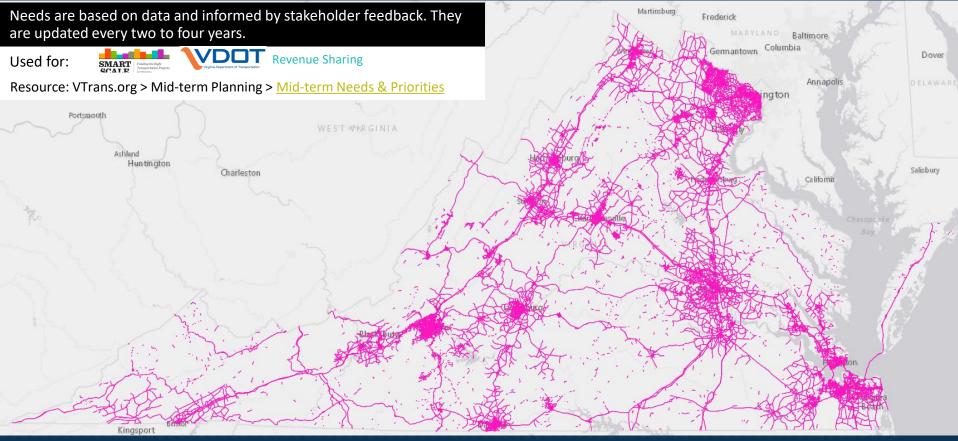
VISION AND GOALS



Goals	Objectives
Goal A: Economic Competitiveness and Prosperity	Reduce the amount of travel that takes place in severe congestion
	Reduce the number and severity of freight bottlenecks
	Improve reliability on key corridors for all modes
Goal B: Accessible and Connected Places	Reduce average peak-period travel times in metropolitan areas
	Reduce average daily trip lengths in metropolitan areas
	Increase the accessibility to jobs via transit, walking, and driving in metropolitan areas
Goal C: Safety for All Users	Reduce the number and rate of motorized fatalities and serious injuries
	Reduce the number of non-motorized fatalities and serious injuries
Goal D: Proactive System Management	Improve the condition of all bridges based on deck area
	Increase the lane miles of pavement in good or fair condition
	Increase percent of transit vehicles and facilities in good or fair condition
Goal E: Healthy and Sustainable Transportation Communities	Reduce per-capita vehicle miles traveled
	Reduce transportation related NOX, VOC, PM, and CO emissions
	Increase the number of trips traveled by active transportation (bicycling and walking)

MID-TERM NEEDS (0 - 10 YEARS)

III



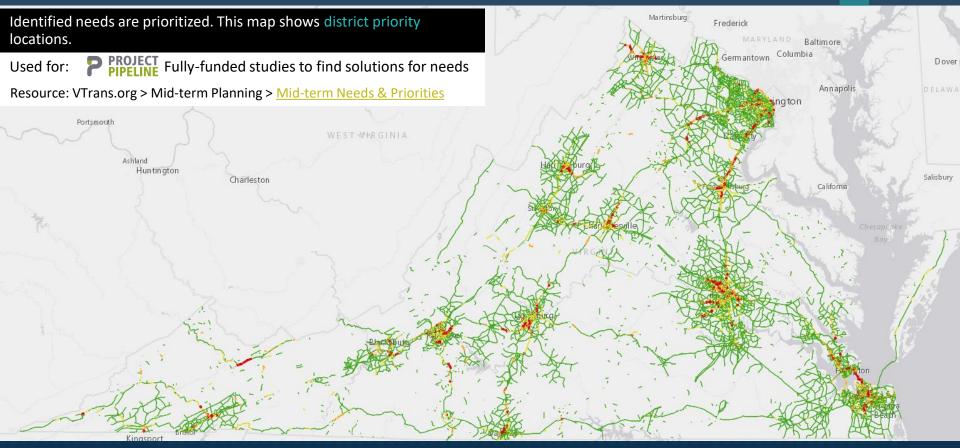


MID-TERM NEEDS (0 - 10 YEARS): STATEWIDE PRIORITY LOCATIONS



VTRANS VIRGINIA'S TRANSPORTATION PLAN

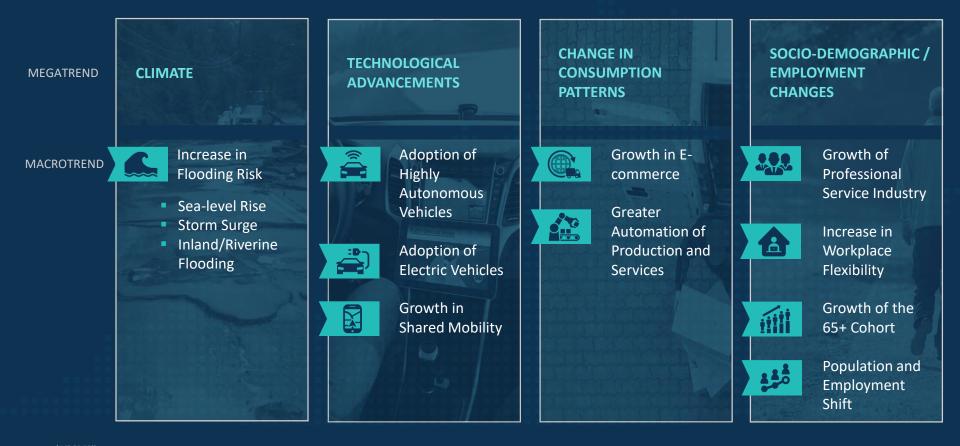
MID-TERM NEEDS (0 - 10 YEARS): CONSTRUCTION DISTRICT PRIORITY LOCATION





LONG-TERM RISKS & OPPORTUNITIES (20+ YEARS): TRENDS

IIII



VTRANS VIRGINIA'S TRANSPORTATION PLAN Resource: VTrans.org > Long-term Planning > Long-term Risk & Opportunity Register

7

LONG-TERM RISKS & OPPORTUNITIES (20+ YEARS): TRENDS TRACKERS

VIRGINIA'S TRANSPORTATION PLAN

MACROTREND	VTRANS TREND TRACKERS
	 Number of directional miles at risk from sea level rise Number of directional miles at risk from storm surge Number of directional miles at risk from inland/riverine flooding Annual cost of transportation repair due to flooding events
	 Market Penetration of Highly Autonomous Vehicles* Attitude and Preferences for Adoption of Highly Autonomous Vehicles*
	 Market Penetration of Electric Vehicles* Attitude and Preferences for Adoption of Electric Vehicles* Transportation Revenue by Revenue Source
	 Access to Shared Mobility Services* Utilization of Shared Mobility Services by Type*
	 Number of Warehouse and Distribution Centers Square Footage of Warehouse and Distribution Centers Share of E-commerce Sales (business-to-business, business-to-customers)

*Based on the VTrans State of Transportation Biennial Survey

LONG-TERM RISKS & OPPORTUNITIES (20+ YEARS): TRENDS TRACKERS

IIII

MACROTREND	VTRANS TREND TRACKERS
	 Number of short-range and long-range drone deliveries Number of last-mile robotic deliveries Value output of 3D Printing
	 Number of Workers with Workplace Flexibility* Utilization of Workplace Flexibility*
	 Job Share of Professional + Technical Services Industry
iiiii	 Number of Virginians Age 65 or older Share of Age 65+ Cohort
220	 VTrans Land Use Vitality (LUV) Index Population Income

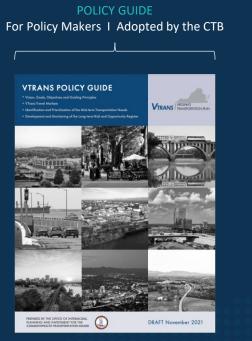
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STRATEGIC ACTIONS

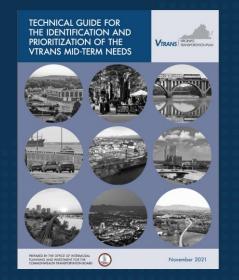
- OIPI develops strategic actions for the Commonwealth Transportation Board to:
 - Advance transportation goals and objectives
 - Accelerate solutions for mid-term needs
 - Minimize impacts long-term risks and maximize opportunities





Includes all policies

TECHNICAL GUIDES For practitioners I Not adopted by the CTB



Needs Identification and Prioritization

TECHNICAL GUIDE: DEVELOPMENT AND MONITORING OF VTRANS LONG-TERM RISK & OPPORTUNITY REGISTER





Long-term Risk & Opportunity Register

VIRGINIA'S TRANSPORTATION PLAN

CONTACT US

- Visit our website: <u>www.vtrans.org</u>
- Email: <u>comment@vtrans.org</u>
- Sign up for quarterly VTrans Newsletters
- Connect with us on social media: <u>Facebook</u> and <u>Instagram</u>