Virginia Regional Multi-Modal Mobility Program (RM3P)
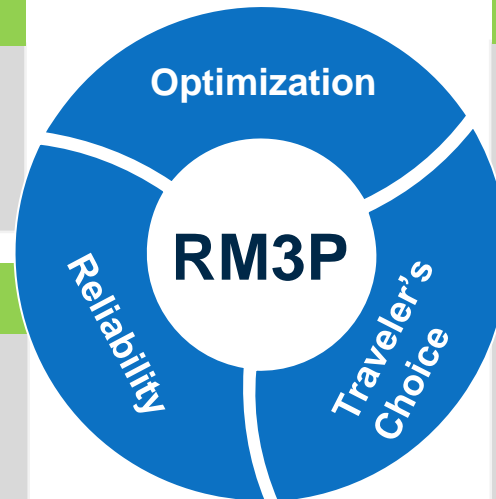
RM3P
Travel Decisions Powered by Data

RM3P is a collaborative program to improve *safety, mobility,* and *reliability* for Virginia travelers. It is a multi-modal technology initiative involving public- and private-sector transportation safety and service providers across Northern Virginia. Funded under the Commonwealth of Virginia's Innovative Technology and Transportation Fund (ITTF), the program is being delivered under the leadership of the Virginia Department of Transportation (VDOT), the Northern Virginia Transportation Authority (NVTA), and the Virginia Department of Rail and Public Transportation (DRPT). RM3P is composed of five formative technologies:

AI-Based Decision Support System

Automated tool for transportation operators that uses historic and real-time travel data to predict emerging conditions and recommends plans for coordinated, multi-agency responses to congestion, incidents, and events.

Mobility Gap Dashboard

Identifies gaps in the transportation service network and enables mobility providers to better meet demand by showing those areas that are overserved or underserved.

Commuter Parking Information System

Provides commuters with reliable expected parking space availability for lots serving rail, bus and vanpoool/carpool commuters. Information will be available to consumers using established third-party applications.

Dynamic Incentivization

A data-driven incentive system where regional agencies and third-party providers offer commuters incentives to modify travel choices and behaviors in response to real-time travel conditions.

Optimization

RM3P

Reliability

Traveler's Choice

Data Lake/Data Store

A central cloud-based system used by regional partners and third-party providers to capture, process, and exchange information on real-time, multi-modal travel conditions. It functions as the core foundational program element that will feed data to the other four program element areas.

VDOT   **DRPT**