# Office of INTERMODAL Planning and Investment

# Performance-Based Planning and Programming and Federal Transportation Performance Management

*Presentation to the Richmond Regional Transportation Planning Organization's Policy Board*

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# Agenda

- **What/who is OIPI?**

- **What is performance-based planning and programming (PBPP)?**

- **What is transportation performance management (TPM)?**

    – **Details of federal TPM**

    – **Next steps for federal TPM**

# What is OIPI?

- **OIPI is Virginia's Office of Intermodal Planning and Investment.**
  - **Established in 2002; now with a staff of 12.**
  - **Responsible for the Commonwealth's long-range transportation plan, VTrans; project prioritization process, SMART SCALE; and performance management.**
  - **Work with VDOT and the Department of Rail and Public Transportation; MPOs and PDCs; FHWA; and the Department of Motor Vehicles, Dept. of Aviation, Port of Virginia, Space Port, and Motor Dealer Vehicle Board.**

# OIPI's role in performance management

- **Team of three is focused on the following priorities:**

  - **Implementing the federal framework for transportation performance management (TPM) and performance-based planning and programming (PBPP).**

  - **Developing new performance measures and data-driven target-setting methodologies that build on the federal framework.**

  - **Using performance trends and data analysis to inform investment and policy decisions.**

  - **Building a data-sharing platform and reporting and analytical tools.**

# Performance-Based Planning and Programming (PBPP)

- ***FHWA definition:***
  - *"Performance-based planning and programming is a strategic, data-driven approach to decision-making that enables transportation agencies to efficiently allocate resources, maximize the return on investments, and achieve desired performance goals while increasing accountability and transparency to the public."*

# Benefits of Performance-Based Planning and Programming (PBPP)

- **Improve investment decision-making**
- **Improve system performance**
- **Improve link between investments and performance**
- **Increase accountability and transparency**

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- **How best to utilize limited resources**
  - Data is available to understand how to identify and prioritize needs and determine impacts of investments
  - Increasing demand to understand return on investment of projects and programs

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# Performance-Based Planning and Programming



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How Do We Plan? Statewide, Regional, Corridor, Local Planning efforts

How Are We Doing? Performance Monitoring, Investment Evaluation

How Do We Invest? SMART SCALE, HSIP, MERIT, etc

**VTRANS** | VIRGINIA'S TRANSPORTATION PLAN

Establish a sustainable, long-term vision for a safe and reliable multimodal surface transportation network

PLAN

Public & Stakeholder Outreach

MANAGE

INVEST

Monitor and evaluate performance of investments to ensure progress is being made and allow for course-corrections

**SMART SCALE** | Funding the Right Transportation Projects in Virginia

Prioritize capacity, operations, and TDM investments to improve and strengthen the network

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# Federal Transportation Performance Management

- **FHWA and FTA establish performance measures**
- **States/MPOs establish targets and track performance**
- **States/MPOs incorporate performance targets and results into long-range plans and transportation improvement programs**
- **States/MPOs utilize performance data to inform planning and investment decisions**
  - Federal TPM and PBPP set a foundation for utilizing data-driven approaches to planning and investing
  - States/MPOs not required to use federal performance measures to prioritize investments; however, States/MPOs must report out on these measures and results

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# Federal TPM:
# Highway Safety Performance Measures

- **Highway safety (all public roads)**
  - Fatalities and fatality rate
  - Serious injuries and serious injury rate
  - Non-motorized fatalities and serious injuries
- **Required to be set annually**

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# Federal TPM: Asset Condition Performance Measures

- **Asset condition**
  - Percentage of deck area of bridges in good and poor condition (National Bridge Inventory on National Highway System [NHS])
  - Percentage of pavement in good and poor condition (Interstate and Non-Interstate NHS)
- **States set 2- and 4-year targets; MPOs set 4-year targets only**

# Federal TPM:
# System Performance Measures

- **System performance**
  - Percentage of person-miles traveled that are reliable (Interstate and Non-Interstate NHS)
  - Truck Travel Time Reliability Index (Interstate only)
- **There are additional system performance measures required only for the Northern Virginia region (and other large metropolitan areas)**
  - These measures cover congestion, non-SOV travel, and emissions

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# Transportation Performance Management - Where are we now

- **States/MPOs established 4-year targets (CY 2021) for all measures and 2-year targets (CY 2019) for some measures**
  - Baseline Performance Period is CY 2017
  - First performance period runs 2018-2021
  - MPOs could adopt state targets or set own
  - State submitted a mid-term report in October 2020
- **States/MPOs now have the opportunity to adjust 4-year targets**
  - Requires explanation for 2-year targets not achieved and what will be done to achieve the 4-year targets

# Current TPM Activities for MPOs

- **Adjusting federal performance targets for bridge, pavement, and reliability measures**
  - Resources available on Planning Connections team site
    - MPO Memo/Next Steps
    - MPO Performance Summary
    - Detailed data provided for pavement and bridge data
  - Any adjustments must be made by March 15, 2021 and documented to OIPI and VDOT
- **Establishing CY 2021 safety targets**

# Other TPM Requirements for MPOs

**Transportation improvement program (TIP)**

- MPOs must describe in the TIP how the program of projects contributes to achieving the MPO's performance targets in the MTP, linking investment priorities to those targets.

- VDOT and DRPT have provided template language to MPOs

**Metropolitan transportation plan (MTP)**

- MPOs must include a description of the individual performance measures and targets

- In addition to including performance measures and targets, MPOs must include a *system performance report* at the time of adoption. That report must include an evaluation of system performance with respect to the performance targets.

# Questions?

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