



Office of
INTERMODAL
Planning and Investment

**Performance-Based Planning and Programming
2019 VAMPO/VAPDC Training Conference
June 14, 2019**

Margie Ray
Office of Intermodal Planning and Investment

Performance-Based Planning and Programming Updates



- **Safety**
- **Reliability**
- **Congestion**
- **Asset Management**
- **Availability of performance data**

Safety Performance Measures and Targets

- **Proposed CY2020 targets to be adopted by CTB at June meeting**

Annual Safety Performance Measures	2020 Target
Number of Fatalities*	950
Rate of Fatalities per 100 million VMT*	1.08
Number of Serious Injuries*	7,473
Rate of Serious Injuries per 100 million VMT	8.47
Number of Non-Motorized Fatalities and Serious Injuries	711

*Safety Performance Targets common to both VDOT and DMV

- **New methodology to be shared in detail with MPOs to aid their 2020 target-setting efforts**

Highway Safety Improvement Program (HSIP) Policy



- **Data-driven target-setting effort revealed greater ROI from systemic and hybrid safety improvements**
- **Developing policy to prioritize HSIP funding to systemic and hybrid projects**
- **Draft presented to CTB in May**
 - Received lots of feedback on policy and process

Highway Safety Improvement Program (HSIP) - Next Steps



- **June CTB Meeting**
 - Presentation on behavioral crash statistics, Strategic Highway Safety Plan, and HSIP next steps
- **July CTB Meeting**
 - Mark Cole and Margie Ray will present how HSIP projects are currently selected and potential changes to that selection process.
- **September MPO Quarterly Meeting**
 - Updates on HSIP policy
- **Fall Transportation Meetings**
 - Opportunities for public comment on potential changes to HSIP project selection
- **Nov/Dec CTB Meeting**
 - Potential adoption of new HSIP policy

Reliability: Target Setting and Refining the Measure



1. Develop a Data-Driven Target Setting Methodology

- Peer review for alternative methodologies
- Analyze factors to establish baseline conditions and predict future conditions – develop a model of key variables
- Evaluate anticipated benefits of projects and strategies
- Incorporate anticipated project benefits into baseline model to establish data-driven targets

2. Evaluate current investment strategies, i.e. Safety Service Patrol, and the sources for unreliability and contribution of each source to understand what is/isn't working

3. Evaluate other measures that may be more useful in evaluating investment strategies and decision-making

Reliability: Target Setting and Refining the Measure



- **Data-driven target setting methodology has revealed limited utility of federal reliability measure as an indicator of performance at less than statewide or network level**
- **Developing alternative measure that is more applicable to regional or corridor-level analysis and is more sensitive to infrastructure and operational improvements**

Congestion and Reliability: Considerations for Selecting Measures



- **What is the goal of the measure?**
- **How many and which aspects of congestion are included?**
- **What is the geographic scope of the measure and is it scalable?**
- **Is it sensitive to the types of projects, strategies, or policies we want to evaluate?**
- **Who is the audience?**
- **Is data available to create the measure?**

Asset Management Pavements and Bridges



- **Internal workgroup evaluating current investment strategies**
- **Legislative requirements to report back on vital structures**
- **Anticipate presentation of additional or alternative performance measures for the entire network for pavements and bridges**

Performance Data



- **We plan to make MPO-level performance data for CY2018 available to MPOs by September.**
- **OIPI will develop a short performance report for the federal measures and targets to show current performance levels.**
- **Biennial Report due to the Governor and General Assembly by Nov. 1.**
 - This report includes reporting on performance of the surface transportation network.

Next Steps

- **June CTB Meeting (June 18-19 in Richmond)**
 - Presentations on safety and VTrans performance measures
 - Adoption of CY2020 safety targets
 - Presentation on pavement analysis and recommendations
- **July CTB Meeting (July 16-17 in the Lynchburg District)**
 - Presentation on safety
 - Presentation on congestion and reliability performance measures
 - Presentation on bridge analysis and recommendations
- **September MPO Quarterly Meeting**



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Questions?