

COMMONWEALTH of VIRGINIA Office of the ______ SECRETARY of TRANSPORTATION







COMMONWEALTH OF

·DRPT·

VTRANS: APPROACH TO PRIORITIZING THE MID-TERM TRANSPORTATION NEEDS

Fredericksburg Area MPO TAC Meeting

Chris Wichman Virginia Office of Intermodal Planning & Investment

September 8th, 2020





Agenda

Background

• Prioritization of the 2019 Mid-term Needs

- Context and Significance
- Steps
- Next Steps



- The <u>Commonwealth Transportation Board (CTB)</u> <u>accepted</u> the <u>2019 Mid-term</u> <u>Transportation Needs</u> in January, 2020
- At that time, the CTB also directed the Office of Intermodal Planning and Investment to Prioritize the 2019 Mid-term Transportation Needs





- In VTrans, needs are identified for two planning horizons.
 - Mid-term
 - Long-term

| | Mid-Term Needs | Long-Term Needs |
|---------------------|--|--|
| Planning Horizon | • 7 - 10 years | • 10 – 25 years |
| Purpose | Screen SMART SCALE applications Prioritize VDOT Revenue Sharing applications Forms the basis of VTrans Multimodal Project Study Pipeline | Inform policy to prepare for gradual and systematic change |
| Board Action | Adopted in January 2020 | Requested in 2021 |



PRIORITIZATION OF VTRANS MID-TERM NEEDS I CONTEXT AND SIGNIFICANCE

- Based on the CTB's direction, the Prioritized Mid-term Needs may be used to:
 - Inform state-level planning and project development processes
 - Develop of policies related to transportation programs and activities
 - Inform other programmatic or planning related functions
- Finally, local and regional planning agencies may utilize the prioritized Needs to inform local and regional planning efforts.



PRIORITIZATION OF VTRANS MID-TERM NEEDS I CONTEXT AND SIGNIFICANCE

• VTrans Multimodal Project Study Pipeline

- In January 2020, the Board directed OIPI to prioritize the identified 2019 Mid-term Needs
- In May 2020, Deputy Secretary Donohue <u>presented</u> the following overarching approach:



- Significance of This Work
 - This works informs VDOT and DRPT investments for various types of studies

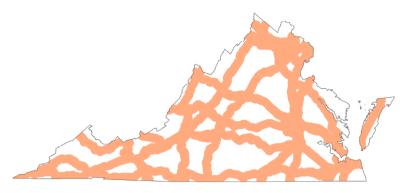


PRIORITIZATION OF VTRANS MID-TERM NEEDS | STEPS

Define
 Geographical
 Levels of
 Prioritization

Establish criteria for aggregating VTrans Need Categories:

- Commonwealth Prioritization: Needs along <u>Corridors of Statewide Significance (CoSS)</u> and <u>Safety</u> Travel Markets (on COSS)
- District Prioritization: Needs within the <u>Regional Networks (RN)</u>, <u>Safety</u>, and <u>UDA (IEDA Access)</u> Travel Markets



Statewide Prioritization (along COSS)



District Prioritization



PRIORITIZATION OF VTRANS MID-TERM NEEDS 1 STEPS

Define
 Geographical
 Levels of
 Prioritization

Establish criteria for aggregating VTrans Need Categories:

- Commonwealth Prioritization: Needs along <u>Corridors of Statewide Significance (CoSS)</u> and <u>Safety</u> Travel Markets (on COSS)
- District Prioritization: Needs within the <u>Regional Networks (RN)</u>, <u>Safety</u>, and <u>UDA (IEDA Access)</u> Travel Markets

2. Prioritize within Needs Categories

Establish priorities within each VTrans Need Category:

- Criteria 1: Severity of the Need
- Criteria 2: Number of Users Affected



PRIORITIZATION OF VTRANS MID-TERM NEEDS 1 STEPS

| Define Geographical Levels of Prioritization | Commonwealt Markets (on CC | tablish criteria for aggregating VTrans Need Categories: Commonwealth Prioritization: Needs along <u>Corridors of Statewide Significance (CoSS)</u> and <u>Safety</u> Travel Markets (on COSS) District Prioritization: Needs within the <u>Regional Networks (RN)</u> , <u>Safety</u> , and <u>UDA (IEDA Access)</u> Travel Markets | | | |
|---|---|---|---|--|--|
| | <i>2.</i> Prioritize <u>within</u> Needs Categories | Criteria 2 | es within each VTrans Need Category: 1: Severity of the Need 2: Number of Users Affected | | |
| | | 3. Weigh and Aggregate Needs <u>across</u> Needs Categories | Assign weightings to each VTrans Need Category Priority from Step 2 and aggregate to establish Commonwealth and District Priority Locations | | |



PRIORITIZATION OF VTRANS MID-TERM NEEDS | STEPS

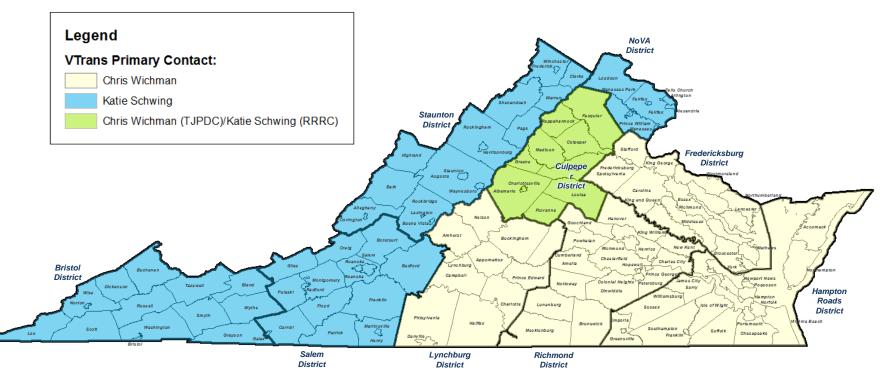
| <i>1.</i> Define Geographical Levels of Prioritization | Establish criteria for aggregating VTrans Need Categories: Commonwealth Prioritization: Needs along <u>Corridors of Statewide Significance (CoSS)</u> and <u>Safety</u> Travel Markets (on COSS) District Prioritization: Needs within the <u>Regional Networks (RN)</u>, <u>Safety</u>, and <u>UDA (IEDA Access)</u> Travel Markets | | | ts | |
|---|--|--|---|---|---|
| | 2. Prioritize <u>within</u> Needs Categories | • Criteria | es within each VTran 1: Severity of the N 2: Number of Users | eed | |
| | | 3. Aggregate and Weight Needs <u>across</u> Needs Categories | | o each VTrans Need Category Priority from Step 2 and ish Commonwealth and District Priority Locations | |
| | ON PLAN | | 4. Adjust Priority Locations for Influencing Factors | Adjust for influencing Factors: Co-located transportation infrastructure repair, rehabilitation, or replacements needs Exposure to Storm Surge and Inland/Riverine Flooding | D |

PRIORITIZATION OF VTRANS MID-TERM NEEDS | STEPS

| | 1. Define Geographical Levels of Prioritization | Commonweal Markets (on Co | OSS) | eeds along <u>Corridor</u> | <u>rs of Statewide Significance (CoSS)</u> and <u>Safety</u> Travel works (RN), <u>Safety</u> , and <u>UDA (IEDA Access)</u> Travel Mar | kets |
|---|---|--|---|--|---|------|
| | | 2. Prioritize <u>within</u> Needs Categories | Criteria | es within each VTran 1: Severity of the Ne 2: Number of Users | eed | |
| _ | Iterative development based on feedback from local and regional agencies | | <i>3.</i> Aggregate and Weight Needs <u>across</u> Needs Categories | | to each VTrans Need Category Priority from Step 2 and lish Commonwealth and District Priority Locations | |
| | VIRGINIA'S | | | <i>4.</i> Adjust Priorities for Influencing Factors | Adjust for influencing Factors: Co-located transportation infrastructure repair, rehabilitation, or replacements needs Exposure to Storm Surge and Inland/Riverine Flooding | 11 |
| 3 | VTRANS TRANSPORTATION | ON PLAN | | | | ΤT |

PRIORITIZATION OF VTRANS MID-TERM NEEDS | NEXT STEPS

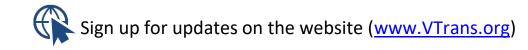
| May | Briefings | |
|------------|--|-------------|
| · | Gather feedback and ensure consistency with the Board's priorities | |
| | | - |
| July | CTB Workshop | |
| , | Present initial approach and gather feedback | |
| | | |
| July - Aug | Evaluate | |
| | Develop initial results | |
| | | We are here |
| Sept | VTrans 2020 Virtual Workshop | |
| | Gather Feedback on the initial results | |
| | | |
| Sept - Oct | Incorporate Feedback | |
| | Make revisions to reflect feedback | |
| | | |
| Oct | Fall Transportation Meetings | |
| | Ensure Feedback is accurately reflected | |
| | | |
| Oct | Incorporate Feedback | |
| | Make additional revisions, if needed | |
| | | Develop |
| December | Request Action on VTrans Prioritization | Solutions |
| | DN PLAN | 12 |





OIPI Staff Contact Information:

| Name | Phone | Email |
|----------------------|--------------|--|
| Jitender Ramchandani | 804.786.0868 | Jitender.Ramchandani@oipi.Virginia.gov |
| Katie Schwing | 804.786.2362 | Kathryn.Schwing@oipi.Virginia.gov |
| Chris Wichman | 804.786.2366 | Chris.Wichman@oipi.Virginia.gov |







Thank you

