

COMMONWEALTH of VIRGINIA

Office of the

SECRETARY of TRANSPORTATION

**SMART SCALE - Round 4 Screening and Validation** 

December 2020



















Office of the SECRETARY of TRANSPORTATION

## **Comparison of Rounds Total Cost of Submissions**



District	# of Submissions	Total Cost*	Total Requested*
Bristol	34	\$212M	\$212M
Culpeper	38	\$374M	\$349M
Fredericksburg	36	\$562M	\$377M
Hampton Roads	53	\$1,221M	\$787M
Lynchburg	30	\$490M	\$451M
Northern Virginia	31	\$2,621M	\$1,637M
Richmond	78	\$956M	\$921M
Salem	60	\$629M	\$600M
Staunton	45	\$232M	\$229M
Grand Total	405**	\$7,298M	\$5,568M

<sup>\*</sup> cost estimate validation is underway - there may be differences in final totals scores are presented in January

<sup>\*\*</sup> does not include the 2 projects that CTB has the option to submit

## Round 4 Project Screening



- VTrans Need Review of each submission to ensure project is addressing a Board adopted VTrans need
- Project Eligibility Review to ensure applications meet SMART SCALE eligibility requirements
  - Most common issue Application were significant portion of project is replacement of existing assets - considered maintenance
- Project Readiness Review to ensure applications meet CTB readiness requirements to minimize risks for project changes and cost increase
  - Readiness requirements increase based on the size and complexity of the project

## **Round 4 Project Screening - Readiness**



Project Readiness - SMART SCALE Planning Assessment Guide

High

Cost

ect

### Project Component Type

#### **Highest Complexity Components**

- New grade-separated interchange on limited access facility
- Major investments that trigger NEPA multi-alt analysis

#### **Higher Complexity Components**

- Roadway Widening (2 or more through lanes)
- New location facility
- Modifications to an existing grade-separated interchange
- New grade-separated intersection on a non-limited access
- Modification to ramp turn lanes or ramp terminal
- Major transit investment

#### Lower Complexity Components

- Intersection reconfiguration
- Roundabout/Innovative intersection
- Road Diet

#### **Lowest Complexity Components**

- New or extended turn lanes
- Bicycle and Pedestrian facilities
- New bus stop
- Streetscape

### Assessment Required

#### Major Planning Study

- Interchange Justification Report/ Request (IJR)
- EA or EIS NEPA Doc with preferred alternative

#### Detailed operational/safety assessment

- Alternatives analysis to include improvements to existing
- System operational analysis: SIDRA, Synchro, VISSIM
- Interchange Modification Report (IMR)
- Traffic and Safety Study and/or Signal Justification Report (SJR)
- Planning level study with evaluation of at-grade alternatives
- Safety assessment (<u>link</u>) or other equivalent

#### Basic operational/safety assessment

- Project component level analysis
- Project component operational analysis: SIDRA, Synchro, HCS
- Safety assessment (<u>link</u>) or other equivalent

### Minimum for all Projects - Consistent Project Features, Description and Sketch

- Description (scope) addresses
  - What improvements (features) are being proposed
  - Where location of each improvement
  - o How much length, width
- Sketch
  - Existing and proposed configurations
  - Includes road names

# **Screen Outs Comparison of Rounds**



District	Screen Out Decisions by Round			
District	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>
Bristol	10	5	4	0
Culpeper	0	0	0	2*
Fredericksburg	0	3	1	1
Hampton Roads	5	9	2	2**
Lynchburg	2	0	2	1
Northern Virginia	1	3	4	1
Richmond	14	7	6	7**
Salem	2	3	4	1
Staunton	0	3	0	0
Grand Total	34 of 321 (10.6%)	33 of 437 (7.6%)	23 of 468 (4.9%)	9 to 15 of 405 (2.2% - 3.7%)

<sup>\* 2</sup> applications were withdrawn by applicant

<sup>\*\* 4</sup> application in Richmond District and 2 in Hampton Roads are at risk for Screen Out

# Round Three Screening Decisions



	# of	Screened	Reason to Screen Out		
District	Apps	Out	VTrans Need	Project Eligibility	Project Readiness
Bristol	34	0	0	0	0
Culpeper	38	2*	0	0	2*
Fredericksburg	36	1	1	0	0
Hampton Roads	53	0 to 2**	0	0	2
Lynchburg	30	1	1	0	0
Northern Virginia	31	1	0	1	0
Richmond	78	3 to 7**	0	5***	4***
Salem	60	1	0	1	0
Staunton	45	0	0	0	0
Grand Total	405	9 to 15**	2	7***	8***

<sup>\* 2</sup> applications were withdrawn by applicant

<sup>\*\* 4</sup> applications in Richmond District and 2 in Hampton Roads are at risk for Screen Out

<sup>\*\*\* 2</sup> applications with screen out risk have both Eligibility and Readiness concerns

# Round Three Screening Decisions

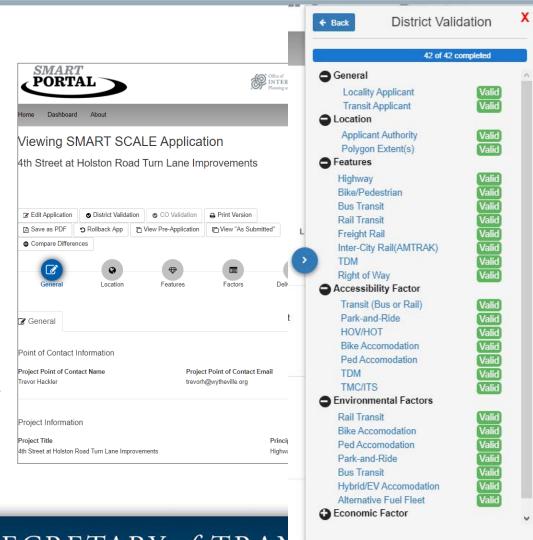


App ID	Name	District	Applicant	Screening Decision
7134	Ira Hoffman / US 15/29 Bus Intersection	Culpeper	Town of Culpeper	Screen Out - Applicant Withdrawn
7135	Montanus Dr / US 15/29 Bus Intersection	Culpeper	Town of Culpeper	Screen Out - <u>Applicant Withdrawn</u>
7182	Courthouse Metro New Elevators	Northern Virginia	Arlington County	Screen Out - Eligibility
6654	I Government Road	Richmond	City of Richmond	Screen Out - Eligibility
6656	A Arts District BRT Station Pedestrian Safety / Streetscape	Richmond	Greater Richmond Transit Company	Screen Out - Eligibility
7128	Hopkins Road at Chippenham Parkway Interchange Improvement	Richmond	Chesterfield County	Screen Out - Readiness
6644	I-81 Northbound Safety Improvements MM167.4 to MM169.5	Salem	Roanoke Valley-Alleghany Regional Commission	Screen Out - Readiness
7167	VSH 3 - VSH 604 Intersection Improvements	Fredericksburg	Lancaster County	Screen Out - VTRANS
6960	Cumberland County Route 60 and 45 Intersection Improvements	Lynchburg	Cumberland County	Screen Out - VTRANS
6648	C US360 Hull Street Phase II	Richmond	City of Richmond	Screen Out Risk - Eligibility
6652	G Commerce Road Streetscape	Richmond	City of Richmond	Screen Out Risk - Eligibility & Readiness
6914	A Broad Street Streetscape w/ Pulse BRT Expansion Phase I	Richmond	Richmond Regional TPO	Screen Out Risk - Eligibility & Readiness
6705	I-64/Denbigh Boulevard Interchange	Hampton Roads	City of Newport News	Screen Out Risk - Readiness
6715	Warwick Blvd Improvements: Fort Eustis Blvd to Enterprise Dr	Hampton Roads	City of Newport News	Screen Out Risk - Readiness
6721	Magellan Parkway Extension Project	Richmond	Henrico County	Screen Out Risk - Readiness

## **Application Validation**



- District and DRPT staff conducting thorough review of applications to ensure accuracy and adherence to CTB policy
  - Clear project scope
  - Reasonable cost estimate and schedule
  - Eligible econ dev sites
- SMART Portal used to track and communicate edits needed and to document applicant concurrence



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Thank you















