

January 20, 2022

The January meeting of the Roanoke Valley Transportation Planning Organization (RVTPO) Policy Board will be held as follows:

DATE:	Thursday, January 27, 2022
TIME:	1:00 PM
LOCATION:	Roanoke Valley-Alleghany Regional Commission office (Top Floor Conference Room), 313 Luck Ave., SW, Roanoke, VA

In accordance with Virginia Occupational Safety and Health regulations, all attendees (vaccinated or unvaccinated) must wear a mask while inside the Commission building. All attendees who are unvaccinated or are otherwise at-risk must physical distance themselves from others. RVARC staff will make the necessary accommodations to comply with these regulations.

AGENDA

1. Welcome, Call to Order *Chair Martin*
2. Roll Call (including consideration of remote participation)..... *Chair Martin*
3. **Action Requested:** Approval of Consent Agenda Items *Chair Martin*
 - A. Approval of Agenda
 - B. Action on the December 16, 2021 RVTPO Minutes, pp. 3 – 17
 - C. Revision to Written Policy Authorizing Participation in RVTPO Meetings through Electronic Communication Means, pp. 18 – 19
4. Remarks by the Chair *Chair Martin*
5. **Action Requested:** Release for Public Comment and a Public Hearing..... *Cristina Finch*
 The Draft FY 23-28/29 Surface Transportation Block Grant (STBG) Financial Plan, pp. 20 – 24
6. Other Business
 - A. Briefing on the Update of the Roanoke Valley Transportation Plan..... *Cristina Finch*
 - B. Consideration of FY24 RVTPO SMART SCALE Candidate.....*Bryan Hill*
 Project Requests, pp. 25 – 26

7. Comment Period by RVTPO Policy Board Members and/or Public
8. Adjournment

Members of the Roanoke Valley Transportation Policy Board may, under certain circumstances, request remote attendance to RVTPO meetings if a quorum is physically present for the meeting. To request remote participation, please contact the Chair and the Secretary of the Policy Board with your request.

Public Input Policy

“At the end of each Roanoke Valley TPO Policy Board meeting, the RVTPO Policy Board will allow for an open public forum/comment period. This comment period shall not exceed one-half hour in length and each speaker will be asked to sign up and be allowed a maximum of three (3) minutes to speak.”

ADA Compliance

The Roanoke Valley Transportation Planning Organization intends to comply with the Americans with Disabilities Act and confirms that the office located at 313 Luck Avenue, SW, Roanoke, VA is ADA compliant. If you have a disability and wish to request assistance or a special accommodation, please inform Bryan Hill at 540-343-4417 or bhill@rvarc.org no later than 48 hours in advance of the posted meeting.

MINUTES

The combined November-December meeting of the Roanoke Valley Transportation Planning Organization Policy Board was held on Thursday, December 16, 2021 at 3:00 p.m. at the Roanoke Valley-Alleghany Regional Commission office, 313 Luck Avenue, SW, Roanoke, VA.

VOTING MEMBERS PRESENT

Billy Martin, <i>Chair</i>	Botetourt County
Phil North, <i>Vice Chair</i>	Roanoke County
David Radford	Roanoke County
Renee Turk	City of Salem
Ken King (<i>remotely</i>)	Virginia Dept. of Transportation – Salem District
Mike Stewart	Roanoke-Blacksburg Regional Airport

VOTING MEMBERS ABSENT

Steve Clinton	Botetourt County
Mickey Johnson	Bedford County
Steve Fijalkowski	Montgomery County
Robert Jeffrey	City of Roanoke
Stephanie Moon Reynolds	City of Roanoke
Bill Jones	City of Salem
Keith Liles	Town of Vinton
Mike Stovall	Town of Vinton
Kevin Price	Greater Roanoke Transit Company (Valley Metro)
Daniel Sonenklar (<i>remotely, joined later</i>)	Va. Dept. of Rail and Public Transportation

TPO NON-VOTING MEMBERS PRESENT

Richard Caywood	Roanoke County
Cody Sexton	Town of Vinton
Lee Osborne	Roanoke Valley-Alleghany Regional Commission
Mark Jamison	City of Roanoke

Others Present: Megan Cronise, Roanoke County; Michael Gray, Virginia Department of Transportation; Anthony Ford, Virginia Department of Transportation.

Staff Present: Bryan Hill, Jeremy Holmes, Cristina Finch, Andrea Garland and Virginia Mullen.

1. WELCOME, CALL TO ORDER, ROLL CALL

Chair Martin called the meeting to order at 1:00 p.m. A quorum was present

TPO POLICY BOARD: Cities of Roanoke and Salem; Counties of Bedford, Botetourt, Montgomery and Roanoke; Town of Vinton; Greater Roanoke Transit Company (*Valley Metro*); Roanoke-Blacksburg Regional Airport; Virginia Department of Rail & Public Transportation; Virginia Department of Transportation

2. APPROVAL OF CONSENT AGENDA ITEMS

The following consent agenda items were distributed earlier:

- A. December 16, 2021 RVTPO Meeting Agenda
- B. September 23, 2021 RVTPO Minutes
- C. Action on the November 4, 2021 RVTPO Minutes
- D. Memo re: Follow-up on Amendment #4 to the Roanoke Valley Transportation Plan

Motion: by David Radford for approval of Consent Agenda Item A, B, C & D, as presented. The motion was seconded by Phil North.

RVTPO Policy Board Action: Motion carried unanimously.

3. REMARKS BY THE CHAIR

- Chair Martin welcomed Mr. Mike Stewart as the newest voting member of the RVTPO, representing the Roanoke-Blacksburg Regional Airport.

4. RECOMMENDATION ON 2022 SAFETY PERFORMANCE MEASURE TARGETS

- **Action Requested: Consideration of Resolution Approving the Adoption of VDOT 2022 Safety Targets for the Safety Performance Measures**

Mr. Bryan Hill summarized the annual target setting associated with the MAP-21 safety performance measures. Mr. Hill emphasized that the proposed 2022 safety performance targets are based on the average five-year period of 2016 to 2020, and that annual adoption is necessary, given the need to include the next “out year” in the target range. Staff continues to support adoption of VDOT-established safety performance measure targets, which were recommended in the below table.

Target Description	2020 Actual Values*	Previous 2021 Target Value	Proposed 2022 Target Value
Number of Fatalities	--	19	20
Fatality Rate (per 100 million VMT)	--	0.92	0.945
Number of Serious Injuries	209	202	184
Serious Injury Rate (per 100 million VMT)	10.003	10.020	8.878
Number of Non-Motorized Fatalities and Serious Injuries	--	18	18

Motion: by Ken King to approve the Resolution adopting the VDOT 2022 Safety Performance Measure Targets, as presented. The motion was seconded by David Radford.

RVTPO Policy Board Action: Motion carried unanimously.

5. **INITIATION OF FY23-28/29 SURFACE TRANSPORTATION BLOCK GRANT (STBG) FINANCIAL PLAN DEVELOPMENT**

Ms. Finch reported that as part of developing the annual update to the RVTPO's STBG program of projects, staff have initiated development of the FY23-28/29 STBG Financial Plan which includes the Policy Board considering the status of current projects (Part 1) and potential new/candidate projects (Part 2). The information was distributed in the staff report with the intent to provide background, and no action was requested at this time. Ms. Finch presented information on the eleven projects with a presentation on the FY23-28/29 STBG Financial Plan Development (the PowerPoint presentation is included with the Minutes).

Mr. Phil North noted that on page 69 of the agenda packet the requested amount for I-581/U.S. 460 Williamson Road Interchange is \$5 million and in today's presentation is listed as \$2 million, and asked Ms. Finch to clarify. Ms. Finch replied that the \$2 million is the correct requested amount.

6. **UPDATE ON THE 2021 INFRASTRUCTURE INVESTMENT AND JOBS ACT**

Mr. Bryan Hill summarized new programs and those of interest to the RVTPO in the 2021 Infrastructure Investment and Jobs Act.

Mr. Lee Osborne asked how the ownership of the bridges was determined. Mr. Ken King responded that whoever maintains a bridge owns it.

Mr. David Radford asked if there was any information on available funding for air travel. Mr. Mike Stewart answered that about \$400 million in funding is intended for the Commonwealth of Virginia from which about \$15 million would be for the Roanoke region.

7. **OTHER BUSINESS**

No other business was discussed.

8. **COMMENT PERIOD BY RVTPO POLICY BOARD MEMBER AND/OR PUBLIC**

Chair Martin congratulated Mr. Caywood on his promotion to Roanoke County Administrator.

Mr. Lee Osborne asked when the new interchange traffic pattern (Diverging Diamond Project) will become in effect in the Tanglewood area. Mr. Caywood replied that this project is still a few years out.

Mr. Martin wished everyone Merry Christmas and Happy Holidays.

Page 4 of 4

The meeting adjourned at 2:27 p.m.

Jeremy Holmes, Secretary
Roanoke Valley Transportation Planning Organization

FY23-28/29 STBG FINANCIAL PLAN DEVELOPMENT

RVTPO POLICY BOARD MEETING - THURSDAY, DECEMBER 16, 2021



Roanoke Valley Transportation
PLANNING ORGANIZATION
REGIONAL COMMISSION

1

CURRENT STBG FINANCIAL PROJECTIONS

Previous FY Funding: \$0
FY23: \$0
FY24: \$0
FY25: \$0
FY26: \$320,147
FY27: \$1,445,553
FY28: \$5,291,213 (estimated)

TOTAL FY23-28: \$7,056,913
Optional Year 7 (FY29): \$5,291,213 (estimated)
Total for 7 years (FY23-29): \$12,348,126

2

CURRENT PROJECTS

- Status of each current project provided in staff report.
- Cost overruns requests:

Project	Current STBG Allocation	Proposed Funding Adjustment
Tinker Creek Trail Extension	\$3,227,047	Request of Additional \$1,589,254
Orange Market Park and Ride/Parking Lot Improvements	\$343,573	Request of Additional \$892,526
		TOTAL: \$2,481,780

3

CANDIDATE PROJECTS

Number of Applications	Project Sponsor
0	Bedford County
0	Botetourt County
0	Montgomery County
4	City of Roanoke
7 (1 shared w/Vinton)	Roanoke County
0	City of Salem
2 (1 shared w/Roanoke Co.)	Town of Vinton
0	VDOT/DRPT
0	GRTC (Valley Metro)
0	RADAR
0	Roanoke – Blacksburg Regional Airport
12	TOTAL

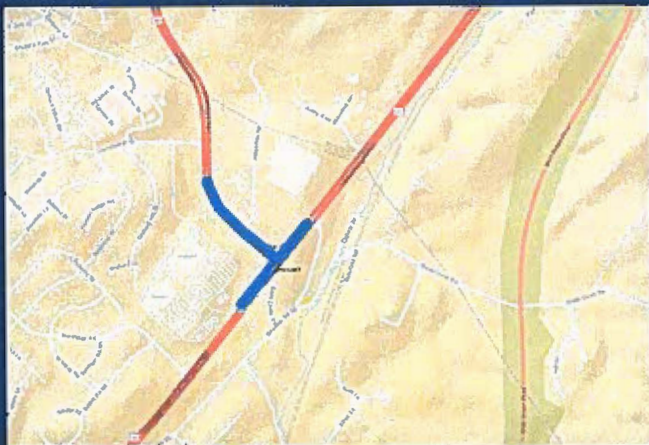
4

PROJECT TYPES

# of Applications and Types of Project	Funding Request
6 - Road	\$26,058,056
3 - Pedestrian	\$11,198,344
2 - Greenway	\$7,893,754
1 - Study	\$150,000
Total – 12 Projects	\$45,300,154

5

ROUTE 460 AT ALTERNATE ROUTE 220 INTERSECTION IMPROVEMENTS



- New intersection with crossover
- Request: \$5,000,000
- Match for SMART SCALE Round 5
- REMOVED FROM CONSIDERATION - RTVPO already supporting this for \$2.5M STBG

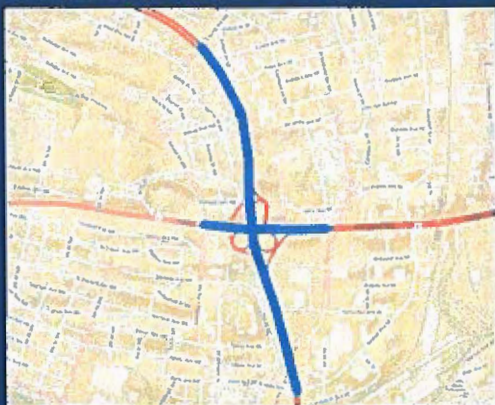
6

PROJECT SCORING

- A. Regional Project Consideration
- B. Support the Economic Vitality of the Metropolitan Area by Enabling Global Competitiveness, Productivity, and Efficiency
- C. Increase the Safety and Security of the Transportation System for Motorized and Non-motorized Users
- D. Increase the Accessibility and Mobility of People and Freight
- E. Protect and Enhance the Environment, Promote Energy Conservation, Improve Quality of Life, and Promote Consistency between Transportation Improvements and State/Local Planned Growth and Economic Development Patterns
- F. Promote Efficient System Management and Operation
- G. Emphasize the Preservation of the Existing Transportation System
- H. Improve the Resiliency and Reliability of the Transportation System and Reduce or Mitigate Stormwater Impacts of Surface Transportation
- I. Enhance Travel and Tourism
- J. Enhance Land Use Coordination
- K. Demonstrate Project Readiness
- L. Project Included in Previous Plans that had a Public Input Process Associated with the Plan

7

1) I-581/ORANGE AVE/ WILLIAMSON RD INTERCHANGE



- Addressing safety and congestion at two interchanges and surrounding intersections
- Request: \$2,000,000
- Match for SMART SCALE Round 5

Avg Score	Project Title	STBG Request	Total Cost	Study	PE	ROW	CM	Leverage Request?	Committed or Conditional	In the RVTP?	RVTP Top 10 Priority?	A	B	C	D	E	F	G	H	I	J	K	L	
110.0	I-581/US 460-Williamson Road Interchange	\$2,000,000	Unknown	Funded	Unfunded	Unfunded	Unfunded	Yes	Conditional	Yes, Vision p.191	Yes					62						6.7	5.6	2.9

8

2) ORANGE AVE. – 11TH TO 24TH ST IMPROVEMENTS

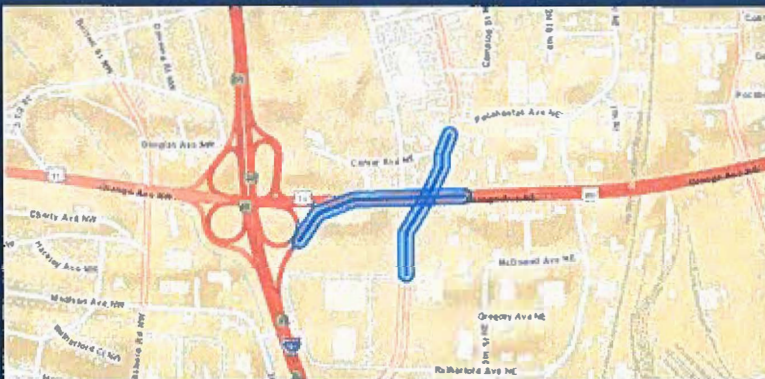
- Modifying or eliminating intersections to limit conflicts
- Request: \$5,000,000
- Match for SMART SCALE Round 5



Avg Score	Project Title	STBG Request	Total Cost	Study	PE	RW	CN	Leverage Request?	Committed or Conditional	In the RVTP?	RVTP Top 10 Priority?	A	B	C	D	E	F	G	H	I	J	K	L
99.0	Orange Ave. (U S 460) - 11th to 24th St. Improvements	\$5,000,000	\$23,714,763	Funded	Unfunded	Unfunded	Unfunded	Yes	Conditional	Yes. Vision p 191 (\$25,000,000)	No	16.2	9.4	9.1	9.0	5.5	9.5	8.2	8.2	6.4	6.5	6.4	4.8

9

3) ORANGE AVE AND WILLIAMSON RD INTERSECTION IMPROVEMENT



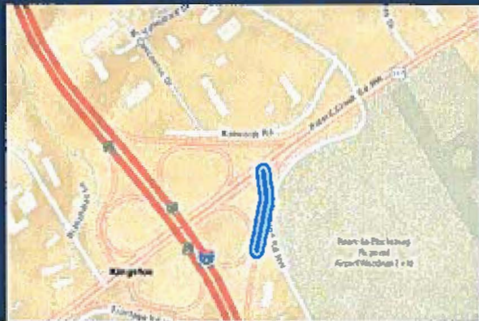
- Adding turn lanes and installing signal on off ramp to eliminate weave
- Request: \$5,000,000
- Match for SMART SCALE Round 5

Avg Score	Project Title	STBG Request	Total Cost	Study	PE	RW	CN	Leverage Request?	Committed or Conditional	In the RVTP?	RVTP Top 10 Priority?	A	B	C	D	E	F	G	H	I	J	K	L
98.3	Orange Ave and Williamson Rd Intersection Improvement	\$5,000,000	\$7,689,270	Funded	Unfunded	Unfunded	Unfunded	Yes	Conditional	Yes. Vision p 191	Yes	16.7	8.5	8.8	9.4	5.5	9.2	8.8	8.3	7.3	6.3	6.5	3.2

10

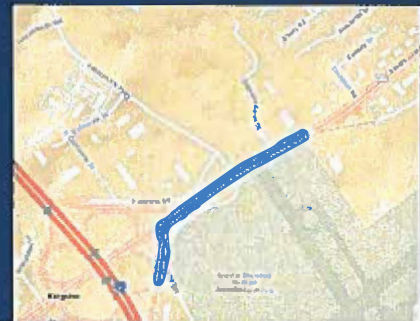
4) I-581 AT EXIT 2 (PETERS CREEK ROAD) INTERCHANGE IMPROVEMENTS PHASE 1

Option 1



- Signal at off ramp will eliminate weave.
- Add turn lanes and pedestrian/bike amenities (Option 3 only)
- Request: \$4,058,056
- Match for SMART SCALE Round 5

Option 3



Avg Score	Project Title	STBG Request	Total Cost	Study	PE	RW	CN	Leverage Request?	Committed or Conditional	In the RVTP?	RVTP Top 10 Priority?	A	B	C	D	E	F	G	H	I	J	K	L
97.5	I-581 at Exit 2 (Peters Creek Road) Interchange Improvements Phase 1	\$4,058,056	\$16,997,515	Funded	Unfunded	Unfunded	Unfunded	Opt. 1-No Opt. 3-Yes	Committed	Yes, Vision p. 196 (\$28,225,000)	Yes	17	2	81	72	55	77	78	71	59	67	69	76

11

5) ROANOKE RIVER GREENWAY – EAST

- Connect Greenway from Bennington Trail to Underhill Road
- Request: \$7,618,753

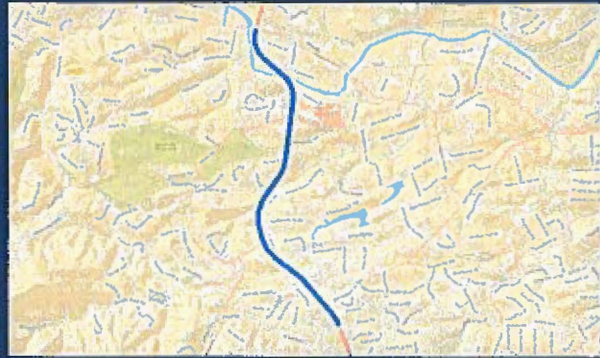


Avg Score	Project Title	STBG Request	Total Cost	Study	PE	RW	CN	Leverage Request?	Committed or Conditional	In the RVTP?	RVTP Top 10 Priority?	A	B	C	D	E	F	G	H	I	J	K	L
83.2	Roanoke River Greenway - East (Construction only)	\$7,618,754	\$8,537,254	Funded	Funded	Funded	Full Funding Request	No	Committed	Yes, Constained p. 172 (\$8,124,870)	Yes	12.7	4.5	4.1	4.8	9.2	3.9	4.4	5.8	8.5	6.9	7.8	

12

6) RT 419/ELECTRIC RD STUDY BETWEEN RT 11/APPERSON & BOWER RD PROJECTS

- Study to address capacity, safety, access, transit, and TDM
- Request: \$5,000,000
- Match for SMART SCALE Round 5

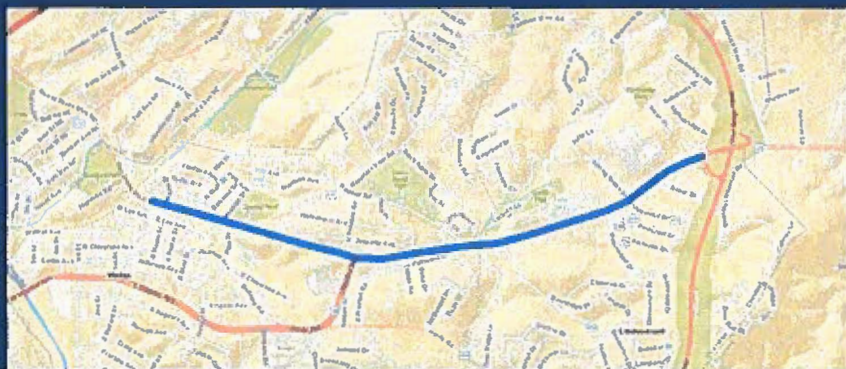


Avg Score	Project Title	STBG Request	Total Cost	Study	PE	RW	CN	Leverage Request?	Committed or Conditional	In the RVTP?	RVTP Top 10 Priority?	A	B	C	D	E	F	G	H	I	J	K	L
81.7	Route 419/Electric Road Study between Route 11/Apperson and Bower Road Projects	\$5,000,000	Unknown	Funded	Unfunded	Unfunded	Unfunded	Yes	Conditional	No Study only - Vision p 200	No	14.2	6.5	5.5	5.2	5.5	6.1	7.4	8.4	5.4	6.6	4.2	8.0

13

7) WASHINGTON AVENUE CORRIDOR IMPROVEMENT STUDY

- Study to address safety, access, congestion, and multimodal deficiencies
- Request: \$150,000



Avg Score	Project Title	STBG Request	Total Cost	Study	PE	RW	CN	Leverage Request?	Committed or Conditional	In the RVTP?	RVTP Top 10 Priority?	A	B	C	D	E	F	G	H	I	J	K	L
76.0	Washington Avenue Corridor Improvement Study	\$150,000	\$150,000	Full Funding Request	N/A	N/A	N/A	No	Committed	Yes Vision p 198 (\$100,000)	No	11.3	5.7	5.0	5.2	5.1	5.4	6.7	5.4	5.8	4.7	7.5	

14

8) WEST MAIN STREET PEDESTRIAN IMPROVEMENTS, PHASE 3

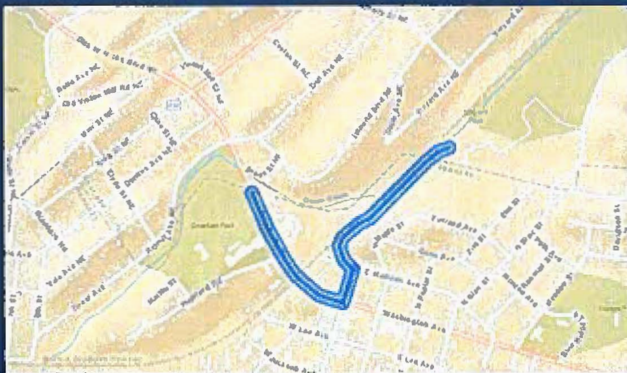


- Complete sidewalk sections
- Request: \$3,016,962

Avg Score	Project Title	\$TBO Request	Total Cost	Study	PE	RW	CH	Leverage Request?	Committed or Conditional	In the RVTP?	RVTP Top 10 Priority?	A	B	C	D	E	F	G	H	I	J	K	L
74.9	West Main Street Pedestrian Improvements, Phase 3	\$3,016,962	\$3,016,962	NA	Full Funding Request	Full Funding Request	Full Funding Request	No	Committed	Yes, Vision p 169 (\$2,700,000)	No	7.5	4.6	5.6	6.2	6.8	5.8	4.9	5.4	4.7	7.2		7.5

15

9) GLADE CREEK GREENWAY PHASE 3, PE



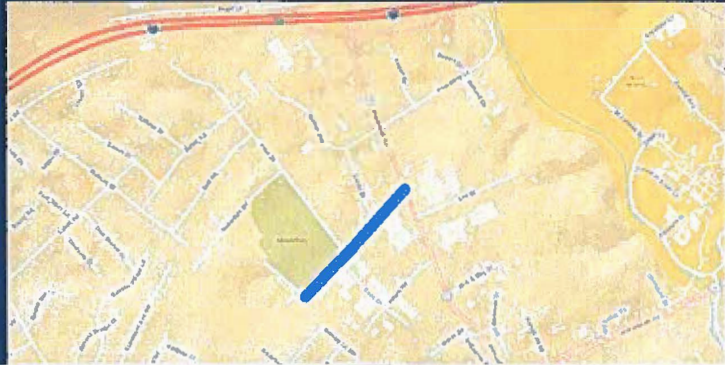
Preliminary engineering for greenway connection between Glade Creek Park and Vinyard Park
Request: \$275,000

Avg Score	Project Title	\$TBO Request	Total Cost	Study	PE	RW	CH	Leverage Request?	Committed or Conditional	In the RVTP?	RVTP Top 10 Priority?	A	B	C	D	E	F	G	H	I	J	K	L
70.2	Glade Creek Greenway Phase 3 PE	\$275,000	\$275,000	Funded	Full Funding Request	Undunded	Undunded	No	Committed	Yes, full project - Vision p. 202 (\$460,000)	No	10.5	3.4	3.3	3.9	3.5	4.8	5.0	8.0	8.1	8.6	6.7	

16

10) WALROND DRIVE MULTIMODAL IMPROVEMENTS

- Pedestrian accommodations connecting Walrond Park to Plantation Road
- Request: \$4,447,452

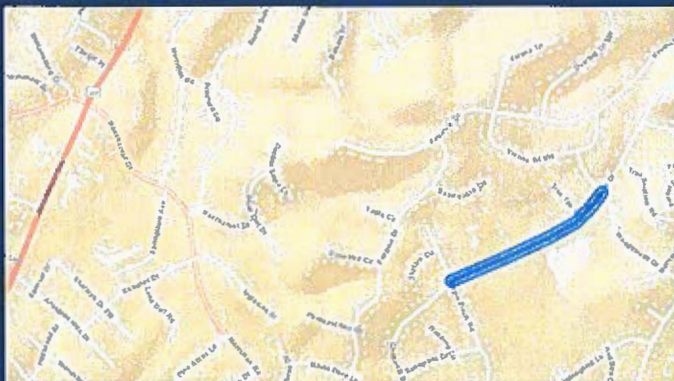


Avg Score	Project Title	\$T&G Request	Total Cost	Study	PE Full Funding Request	RW Full Funding Request	GH Full Funding Request	Leverage Request?	Committed or Conditional	In the RVTP?	RVTP Top 10 Priority?	A	B	C	D	E	F	G	H	I	J	K	L
64.2	Walrond Drive Multimodal Improvements	\$4,447,452	\$4,447,452	N/A	Full Funding Request	Full Funding Request	Full Funding Request	No	Committed	Yes, Vision p 199 (\$1,000,000)	No	42	41	50	54	76	41	45	60	54	74	57	47

17

11) CHAPARRAL DRIVE PEDESTRIAN IMPROVEMENTS

- Pedestrian facilities surrounding Cave Spring High School
- Request: \$3,733,930



Avg Score	Project Title	\$T&G Request	Total Cost	Study	PE Full Funding Request	RW Full Funding Request	GH Full Funding Request	Leverage Request?	Committed or Conditional	In the RVTP?	RVTP Top 10 Priority?	A	B	C	D	E	F	G	H	I	J	K	L
48.5	Chaparral Drive Pedestrian Improvements	\$3,733,930	\$3,733,930	N/A	Full Funding Request	Full Funding Request	Full Funding Request	No	Committed	Yes, Vision p 198 (\$2,000,000)	No	29	25	52	38	54	26	25	51	32	52	55	47

18

SUMMARY OF CANDIDATE PROJECTS

- Solutions Phase:
 - Study underway of I-581/U.S. 460 Interchange – Projects TBD
 - Study underway of Rt. 419 - Apperson Dr. to Bower Rd. – Projects TBD
 - Study of Washington Avenue Corridor
- Project Phase:
 - CN – Orange Ave. - 11th to 24th St.
 - CN – Orange Ave. and Williamson Rd.
 - CN – Roanoke River Greenway – East
 - CN – Chaparral Dr. Pedestrian Improvements
 - CN – I-581/Peters Creek Road Interchange, Ph 1
 - CN – Walrond Drive Multimodal Improvements
 - CN – West Main Street Pedestrian Improvements, Ph. 3
 - PE - Glade Creek Greenway

19

SUMMARY OF REQUESTS BY SCORE

Avg Score	Project Title	STBG Request	Total Cost	Study	PE	RW	CH	Leverage Request?	Committed or Conditional	In the RVTP?	RVTP Top 10 Priority?
110.6	I-581/U.S. 460-Williamson Road Interchange	\$2,000,000	Unknown	Funded	Unfunded	Unfunded	Unfunded	Yes	Conditional	Yes, Vision p.191	Yes
99.0	Orange Ave. (U.S. 460) - 11th to 24th St. Improvements	\$5,000,000	\$23,714,763	Funded	Unfunded	Unfunded	Unfunded	Yes	Conditional	Yes, Vision p.191 (\$25,000,000)	No
98.3	Orange Ave and Williamson Rd Intersection Improvements	\$5,000,000	\$7,669,270	Funded	Unfunded	Unfunded	Unfunded	Yes	Conditional	Yes, Vision p.191	Yes
97.5	I-581 at Exit 2 (Peters Creek Road) Interchange Improvements, Phase 1	\$4,058,050	\$16,967,515	Funded	Unfunded	Unfunded	Unfunded	Opt. 1-No Opt. 3-Yes	Committed	Yes, Vision p.196 (\$28,225,000)	Yes
83.2	Roanoke River Greenway – East (Construction only)	\$7,618,754	\$9,537,254	Funded	Funded	Funded	Full Funding Request	No	Committed	Yes, Constrained p. 172 (\$9,154,875)	Yes
81.7	Route 419/Electric Road Study between Route 11/Apperson and Bower Road Projects	\$5,000,000	Unknown	Funded	Unfunded	Unfunded	Unfunded	Yes	Conditional	No, Study only - Vision p.200	No
78.0	Washington Avenue Corridor Improvement Study	\$150,000	\$150,000	Full Funding Request	N/A	N/A	N/A	No	Committed	Yes, Vision p.199 (\$100,000)	No
74.9	West Main Street Pedestrian Improvements, Phase 3	\$3,016,962	\$3,016,962	N/A	Full Funding Request	Full Funding Request	Full Funding Request	No	Committed	Yes, Vision p.199 (\$2,200,000)	No
70.2	Glade Creek Greenway Phase 3 PE	\$275,000	\$275,000	Funded	Full Funding Request	Unfunded	Unfunded	No	Committed	Yes, full project - Vision p.202 (\$400,000)	No
64.2	Walrond Drive Multimodal Improvements	\$4,447,452	\$4,447,452	N/A	Full Funding Request	Full Funding Request	Full Funding Request	No	Committed	Yes, Vision p.199 (\$1,000,000)	No
48.5	Chaparral Drive Pedestrian Improvements	\$3,733,930	\$3,733,930	N/A	Full Funding Request	Full Funding Request	Full Funding Request	No	Committed	Yes, Vision p.196 (\$2,000,000)	No

20

NEXT STEPS

- January Policy Board Meeting
 - Draft FY23-28/29 STBG Financial Plan presented, Policy Board releases draft for public comment.
 - February
 - Seek public input
 - Receive updated financial information
 - March Policy Board Meetings
 - Consideration of approval of FY23-28/29 Financial Plan
- => Inclusion in Draft FY23-28 Six-Year Improvement Program

STAFF REPORT

January 27, 2022 RVTPO Meeting

SUBJ: Revision to Written Policy Authorizing Participation in Roanoke Valley Transportation Planning Organization Meetings via Electronic Communication Means

On April 23, 2020, the RVTPO Policy Board adopted a *Written Policy Authorizing Participation in Roanoke Valley Transportation Planning Organization Meetings via Electronic Communication Means*. Under this policy, and pursuant to Code of Virginia § 2.2-3708.2, members of the Policy Board and all its committees may participate in a meeting electronically provided the following conditions are met:

On or before the day of a meeting, the member shall notify the Chair that the member is unable to attend the meeting due to:

1. That member's principal residence is more than 60 miles from the meeting location identified in the required notice for such meeting.
2. A temporary or permanent disability or other medical condition that prevents the member's physical attendance; **or** an emergency or personal matter and identifies with specificity the nature of the personal matter. Participation by a member pursuant to this subdivision is limited each calendar year to two meetings.

A quorum of the Policy Board must be physically assembled at the primary or central meeting location. The Policy Board members present must approve the participation. The Secretary shall record in the Policy Board's minutes the specific nature of the emergency, personal matter or disability and the remote location from which the absent member participated. The Policy Board shall make arrangements for the voice of the absent member to be heard by all persons in attendance at the meeting location.

Staff recommends two minor revisions to the Policy, as follows:

1. Add to Paragraph A.2. the phrase, "or 25 percent of the meetings, whichever is greater", to conform with Code of Virginia § 2.2-3708.2(A)(1)(b.); and
2. Require members participating electronically to enable their camera for the duration of the meeting, to monitor continued attendance.

The draft revision to the electronic meetings policy follows this staff report.

RVTPO Policy Board Action: Approval of the revised Written Policy Authorizing Participation in Roanoke Valley Transportation Planning Organization Meetings through Electronic Communication Means.

Written Policy Authorizing Participation in Roanoke Valley Transportation Planning Organization Meetings through Electronic Communication Means

The following policy is established for remote electronic participation in all meetings of the Policy Board and any Committee thereof:

- A. On or before the day of a meeting, the member shall notify the Chair that the member is unable to attend the meeting due to:
 1. A temporary or permanent disability or other medical condition that prevents the member's physical attendance; or
 2. An emergency or personal matter and identifies with specificity the nature of the personal matter. Participation by a member pursuant to this subdivision is limited each calendar year to two meetings or 25 percent of the meetings, whichever is greater.
- B. As set forth in Virginia Code § 2.2-3708.2 (B)(1), on or before the day of a meeting, the member shall notify the Chair that member's principal residence is more than 60 miles from the meeting location identified in the required notice for such meeting.
- C. Except as provided in Section 2.2-3708.2 (A)(3), a quorum of the Policy Board must be physically assembled at the primary or central meeting location. The Policy Board members present must approve the participation; however, the decision shall be based solely on the criteria in this resolution, without regard to the identity of the member or matters that will be considered or voted on during the meeting. The Secretary shall record in the Policy Board's minutes the specific nature of the emergency, personal matter or disability and the remote location from which the absent member participated. If the absent member's remote participation is disapproved because such participation would violate this policy, such disapproval shall be recorded in the Policy Board's minutes.
- D. Participation by the absent member shall be limited in each calendar year to two (2) meetings of the Policy Board based on a specified personal reason as set forth in Virginia Code § 2.2-3708.2 (A)(l)(b). Members shall not otherwise be limited except as set forth expressly in State Code.
- E. The Policy Board shall make arrangements for the voice of the absent member to be heard by all persons in attendance at the meeting location.
- F. For purposes of maintaining the determination of a member's attendance electronically, any member approved for participation under this policy who joins the meeting through an electronic platform supporting video shall enable their camera (or any other similar device) for the duration of the meeting. If the enabling of video through a member's electronic participation significantly compromises the ability for the member to be heard, the Chair (at their discretion) shall decide accordingly.
- G. With respect to meetings by electronic communications without a quorum present when the Governor has declared a state of emergency, the Policy Board shall comply with the provisions of Section 2.2-3708.2(A)(3).

Policy adopted by Resolution on April 23, 2020

Policy Revised: _____

STAFF REPORT

RVTPO Policy Board Meeting January 27, 2022

SUBJ: Action Requested to Release for Public Comment and a Public Hearing the Draft FY23-28/29 Surface Transportation Block Grant (STBG) Financial Plan

Last month, the RVTPO Policy Board received an update on the status of currently funded STBG projects and new candidate projects which have been prioritized by the TTC for consideration by the Board as it decides STBG investments for FY23-28/29. STBG allocations for FY 2023-2028 are included in the VA Six-Year Improvement Program (SYIP) to be approved by the Commonwealth Transportation Board (CTB) in June. FY 2029 is an assumed amount to be utilized by the RVTPO as desired with some flexibility as the allocations aren't reflected in the state's system until the FY24-29 plan is adopted next year.

The Board is reminded of the SMART SCALE analysis conducted by the RVARC and shared with the Board last summer available for review [online](#). As some of the STBG requests and draft investments are related to SMART SCALE applications, the strategy for utilization of leverage funds to reduce a SMART SCALE funding request may be useful and needed for some projects, but not all. The need for leverage depends on many factors as noted in the report and cannot be fully anticipated in advance.

Investments included in the FY23-28/29 STBG Financial Plan as prioritized by the TTC:

Priority/ Map #	Project Title:	STBG Investment under Consideration:	Project Description:
1	I-581/U.S. 460 and Williamson Road Interchange Improvements	<u>\$2M conditionally committed</u> towards undefined project(s) if the remaining funds required are secured via SMART SCALE in June 2024.	Project(s) not yet defined; safety and congestion around these interchanges is currently being studied.
2	Orange Ave. (U.S. 460) – 11 th to 24 th St. Improvements	<u>\$5M conditionally committed</u> towards \$23M project if the remaining funds needed are secured via SMART SCALE in June 2024.	Modify or eliminate intersections to limit vehicle conflict points.
3	Orange Ave. and Williamson Rd. Intersection Improvements	<u>\$5M conditionally committed</u> towards \$7.6M project if the remaining funds needed are secured via SMART SCALE in June 2024.	Add turn lanes and install a signal at the NB off-ramp to eliminate the weave to 460EB.
4	I-581 at Exit 2 (Peters Creek Road) Interchange Improvements, Phase 1	<u>\$4,058,056 committed</u>	Install a signal at the off-ramp to eliminate the weave to EB Peter's Creek Rd.

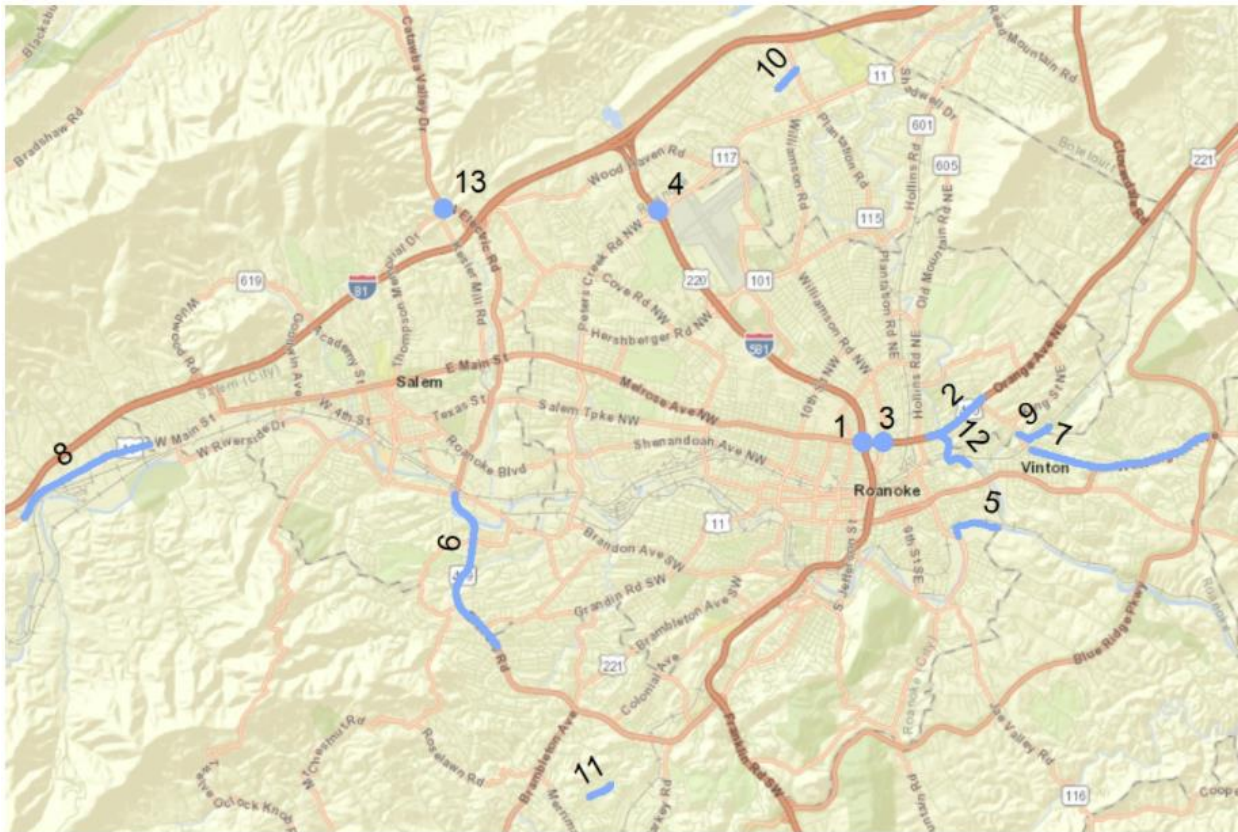
Other potential investments should additional funds become available listed in the priority order recommended by the TTC:

Map #	Project Title:	STBG Investment under Consideration:	Project Description:
5	Roanoke River Greenway – East (Construction only)	\$7,618,754 committed	Construct a 10' asphalt path along neighborhood streets and off-road for people walking or biking from the Roanoke River Greenway at Bennington Street to Tinker Creek Greenway at Underhill Avenue.
6	Route 419/Electric Road Study between Route 11/Apperson and Bower Road Projects	\$5,000,000 conditionally committed	Project(s) not yet defined; capacity, safety, access, transit, and Transportation Demand Management is currently being studied.
7	Washington Avenue Corridor Improvement Study	\$150,000 committed	Study to look at safety, access, congestion, and multimodal deficiencies.
8	West Main Street Pedestrian Improvements, Phase 3	\$3,016,962 Committed	Build sidewalk on the south side of West Main Street from the City of Salem to Alleghany Drive and on the north side of West Main Street from Daugherty Road to Technology Drive.
9	Glade Creek Greenway Phase 3 PE	\$275,000 Committed	Design off-road path for bicyclists and pedestrians between Washington Avenue/Pollard Street and Vinyard Park. Does not include construction.
10	Walrond Drive Multimodal Improvements	\$4,447,452 Committed	Build a sidewalk on the north side of Walrond Drive between Plantation Road and Walrond Park.
11	Chaparral Drive Pedestrian Improvements	\$3,733,930 Committed	Build a sidewalk in front of Cave Spring High School from Purple Finch Rd. to Woodthrush Dr.

Potential cost overruns to cover with STBG should additional funds become available:

Project Title:	Current Project Funding:	STBG Investment under Consideration:	Project Description:
Tinker Creek Trail Extension (Map #12)	\$7M from various sources.	Additional \$1,589,254	Additional funds would go towards building a 10' asphalt trail between Orange Avenue and Wise Avenue. Current funds are being used to build the trail north of Orange Avenue to Mason Mill Park.
Orange Market Park and Ride/Parking Lot Improvements (Map #13)	\$343k from STBG	Additional \$892,526	Additional funds support curbing, pavement, signage, and landscaping expenses cut from the adjacent Route 419/311 Roundabout project and cover costs to bid and construct the Park & Ride separately as opposed to constructing it with the Roundabout as originally planned.

Map of STBG investments under consideration



Due to increases in state revenues and the Infrastructure Investment and Jobs Act (IIJA), additional funding is available for transportation that benefits the RVTPO’s STBG program. The following additional amounts are available for programming within the RVTPO’s STBG program.

Fiscal Year	Additional Funding	Total New Amounts
FY22	\$827,000	\$5,279,985
FY23	\$858,408	\$5,804,606
FY24	\$890,000	\$5,920,283
FY25	\$905,239	\$6,021,037
FY26	\$921,346	\$6,124,112
FY27	\$936,447	\$6,227,660
FY28	\$0	\$5,291,213
Total	\$5,338,440	

Staff anticipates getting updated numbers to reflect actual FY28 amounts in late February/March as that amount is still an estimate. A draft FY23-28/29 STBG Financial Plan is attached. As shown, there is \$1,337,297 available for allocation within the FY23-28 timeframe and an additional assumed \$291,213 available in FY29. The TTC did not have a recommendation on how to utilize these funds at this time. If the Board has a preference on utilization of these funds, noting the above TTC-recommended priorities, the Board may choose to include that preference in the draft Financial Plan that is provided to the public for comment. Given the uncertainty with FY28 funding, staff intends to make all the above noted potential investments known to the public during this comment period. The remaining schedule is as follows:

February 2022

Draft RVTPO FY23-28/29 STBG Financial Plan available for public comment.

March 2022

TTC recommends final FY23-28/29 STBG Financial Plan to the Board
 Public Hearing held at March Policy Board meeting
 Policy Board approves FY23-28/29 STBG Financial Plan
 VDOT/VDRPT incorporate RVTPO STBG allocations in the draft FY23-28 SYIP

April/May 2022

CTB releases draft FY23-28 SYIP for public comment

June 2022

CTB approves FY23-28 SYIP

RVTPO Policy Board Action:

Release the draft FY23-28/29 STBG Financial Plan for public comment and a public hearing to be scheduled for the March RVTPO Policy Board meeting.



FY 2023-2028/29 Surface Transportation Block Grant (STBG) Financial Plan
Draft January 13, 2022

Project	Project UPC	Conditionally Committed Funding	Committed Funding	Previous Allocations	FY23	FY24	FY25	FY26	FY27	FY28	FY29	Project Updates/ Other Notes
Roanoke River Greenway - Greenhill Park (Roanoke County) to Riverside Park (Salem)	97171		\$ 7,673,829	\$ 7,673,829	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Roanoke River Greenway - Eddy Avenue Bridge (Salem)	106486		\$ 1,289,114	\$ 1,289,114	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Complete, awaiting closeout.
Roanoke River Greenway - City of Salem line to Bridge Street	105439		\$ 4,363,800	\$ 4,363,800	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Complete, awaiting closeout.
Roanoke River Greenway - Water Pollution Control Plant to the Blue Ridge Parkway	91191		\$ 1,505,371	\$ 1,505,371	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Plantation Road, Bicycle, Pedestrian and Streetscape Improvement Project	103607		\$ 1,679,503	\$ 1,679,503	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Complete, awaiting closeout.
Tinker Creek Trail Extension	110101		\$ 3,227,047	\$ 3,227,047	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Request for \$1,589,254 not included at this time.
Bus Replacement and Rebuild Program	T18675/DRPT		\$ 13,622,784	\$ 11,573,510	\$ 2,049,274	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Garden City Trail Connection	106265		\$ 200,000	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Complete, awaiting closeout.
Walnut Avenue Bicycle and Pedestrian Accommodations (5th Street to City/Town limit)	111649		\$ 1,684,030	\$ 1,446,282	\$ 237,748	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Route 419/U.S. 220 Diverging Diamond Interchange	115460		\$ 5,731,866	\$ 2,271,396	\$ 87,225	\$ 1,098,627	\$ 1,223,223	\$ 1,051,395	\$ -	\$ -	\$ -	
Roanoke River Greenway Bridge across Barnhardt Creek	113568		\$ 897,770	\$ 897,770	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Complete, awaiting closeout.
Roanoke River Greenway through Explore Park	113567		\$ 3,020,308	\$ 816,056	\$ 393,937	\$ 1,810,315	\$ -	\$ -	\$ -	\$ -	\$ -	
Walnut Avenue Bicycle and Pedestrian Accommodations (W. Lee Avenue to 1st Street)	113565		\$ 417,610	\$ 417,610	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Route 220 at International Parkway Improvements	115457		\$ 300,000	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Starkey Road/Buck Mountain Road Intersection Improvements	113144		\$ 2,098,115	\$ 30,327	\$ 778,090	\$ 641,759	\$ 647,939	\$ -	\$ -	\$ -	\$ -	
Elizabeth Greenway	113566		\$ 1,104,400	\$ 191,068	\$ 913,332	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
I-581 Exit 2 Interchange Study	113570		\$ 190,000	\$ 190,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
New Downtown Transit Transfer Center - Real-Time Transit Passenger Information (RTPI) Project	TBD		\$ 400,000	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Route 220 Superstreet and Access Management	T24740		\$ 924,000	\$ -	\$ -	\$ 735,389	\$ 188,611	\$ -	\$ -	\$ -	\$ -	
Orange Market Park and Ride/Parking Lot Improvements	T24579		\$ 343,573	\$ 343,573	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Request for \$892,526 more not included at this time.
Route 419 Streetscape Improvements, Phase 2	119462		\$ 4,347,150	\$ -	\$ -	\$ 194,193	\$ 1,616,639	\$ 2,358,948	\$ 177,370	\$ -	\$ -	
Roanoke River Greenway - East	119666		\$ 710,000	\$ 710,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Aviation Drive/Valley View Blvd. Pedestrian Improvements	119555		\$ 131,332	\$ -	\$ -	\$ 125,000	\$ 6,332	\$ -	\$ -	\$ -	\$ -	
Valleypointe Parkway Realignment	119468		\$ 2,500,000	\$ -	\$ -	\$ 100,000	\$ 692,293	\$ 479,769	\$ 1,227,938	\$ -	\$ -	
Gus Nicks Boulevard Pedestrian/Bicycle Crossing	119911		\$ 403,912	\$ 403,912	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Greenway Connection - Riverland Road	119586		\$ 975,568	\$ 975,568	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Oak Grove Streetscape Improvements - Crosswalk	T24550		\$ 218,748	\$ 218,748	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Route 460 (Orange Ave) Improvements near Blue Hills Drive	119464		\$ 676,720	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 676,720	\$ -	\$ -	
Route 460 (Orange Ave) Improvements at King Street	119461		\$ 550,280	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 550,280	\$ -	\$ -	
Route 460 at West Ruritan Road Intersection Improvements	119450		\$ 785,549	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 785,549	\$ -	\$ -	
Route 460 Intersections from Carson Road to Huntridge Road	119449		\$ 427,803	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 427,803	\$ -	\$ -	
Route 460 and Alternate Route 220 Intersection Improvements	120611		\$ 2,544,860	\$ -	\$ 486,592	\$ 325,000	\$ 740,761	\$ 992,507	\$ -	\$ -	\$ -	
I-581/U.S. 460 and Williamson Road Interchange Improvements	TBD	\$ 2,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 320,147	\$ 1,445,553	\$ 234,300	\$ -	Leverage for TBD project (total cost unknown) in SMART SCALE Round 5
Orange Ave. (U.S. 460) - 11th to 24th St. Improvements	TBD	\$ 5,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,000,000	\$ -	Leverage for \$23M project in SMART SCALE Round 5, previously unsuccessful in SMART SCALE Round 4.
Orange Ave. (U.S. 460) and Williamson Rd. Intersection Improvement	TBD	\$ 5,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,000,000	Leverage for \$7.6M project in SMART SCALE Round 5.
I-581 at Exit 2 (Peters Creek Road) Interchange Improvements, Phase 1	TBD		\$ 4,058,056	\$ -	\$ 405,024	\$ 890,000	\$ 905,239	\$ 921,346	\$ 936,447	\$ -	\$ -	Committed funds to be used as leverage in SMART SCALE Round 5 toward \$16.9M project.
Total Funding Allocated:			\$ 84,525,042	\$ 44,646,428	\$ 5,351,222	\$ 5,920,283	\$ 6,021,037	\$ 6,124,112	\$ 6,227,660	\$ 5,234,300	\$ 5,000,000	
Total STBG Funding Available:			\$ 86,153,552	\$ 45,473,428	\$ 5,804,606	\$ 5,920,283	\$ 6,021,037	\$ 6,124,112	\$ 6,227,660	\$ 5,291,213	\$ 5,291,213	Reflects additional funding from state revenues, IJA through FY27 as notified on 1-12-22.
Balance Entry (UPC 104126):				\$ 827,000	\$ 453,384	\$ -	\$ -	\$ -	\$ -	\$ 56,913	\$ 291,213	
										\$ 1,337,297		
											\$ 291,213	

Remaining through FY28:
Remaining through Year 7 (FY29):

STAFF REPORT

RVTPO Meeting January 27, 2022

SUBJ: Consideration of FY24 SMART SCALE RVTPO Candidate Project Requests

In early fall 2021, staff initiated the process for submitting and selecting RVTPO candidate project applications for the FY24 round of SMART SCALE. The process entailed each locality or modal stakeholder requesting the RVTPO to apply on its behalf for a SMART SCALE project to complete and submit the *Candidate Project Request Form for RVTPO SMART SCALE Applications*. The Form sought basic project scope and cost information, as well as whether/how the project:

- Serves a Corridor of Statewide Significance or Regional Network
- Has been submitted for previous rounds of SMART SCALE
- Has had funds previously committed to it, or intends to commit future funding
- Is in the RVTPO’s Constrained Long-Range Multimodal Transportation Plan
- Is in the RVARC’s Comprehensive Economic Development Strategy
- Is listed as a transportation priority in the locality’s comprehensive plan

The Request Forms were due to staff by November 30th. Staff received 10 request forms from localities located in the Roanoke Urbanized Area. The table lists the requests in order that they were received.

No.	Agency	Project Name	Project Description
1	City of Roanoke	I-581/Orange Ave Interchange Improvements	As noted in the STARS Route 460 (Orange Avenue) study, the I-581 interchange at Rte. 460 has vehicular, pedestrian, and bicycle-related safety and congestion issues. This project will provide solutions to mitigate the safety issues for all users, provide additional travel mode choices, improve traffic operations, and alleviate congestion.
2	City of Roanoke	Orange Ave and Williamson Rd. Intersection Improvements	The STARS Route 460 (Orange Avenue) study has identified operational and safety issues for the 460 corridor. Findings suggest improvements proposed for the Orange Ave. and Williamson Rd. intersection, including a signalized off-ramp from I-581, an additional eastbound left-turn lane, and additional lanes on Williamson Rd. north of the intersection.
3	City of Roanoke	Virginia Tech Carilion Research Institute Interchange Project	This project seeks to improve access between I-581, US Route 220, and the VTCRI/Carilion Clinic campus along Jefferson St, Reserve Ave, and McClanahan St. A Franklin Rd. interchange is one option, the City has funded an access study that will provide interchange recommendations based on future travel demands as it relates to not only the Franklin Rd. interchange, but also the Elm Ave. and Wonju St. interchanges.
4	Botetourt Co.	Rte. 220 Superstreet Improvement	Convert crossovers along the Route 220 Corridor in Daleville to Restricted Crossing U-Turns to provide a superstreet concept.
5	Botetourt Co.	Exit 150 Improvement Project	Improvements to the safety and traffic flow at the existing intersection and associated northbound movements to and from Interstate 81.
6	Roanoke Co.	West Main Street Phase 3 Sidewalk <i>(If unsuccessful in STBG)</i>	This will complete the sidewalk project currently under construction between the City of Salem and Technology Drive.

No.	Agency	Project Name	Project Description
7	Roanoke Co.	Pedestrian Improvements on Williamson Road (UPC 113947)	The pedestrian improvements project on Williamson Rd. (Rte. 11) from North Roanoke Assisted Living to Clubhouse Dr. is currently a VDOT HSIP project under design with a funding deficit.
8	Roanoke Co.	U.S. Route 11/460 at Dow Hollow Road Intersection Improvements	U.S. Route 11/460 at Dow Hollow Road Intersection Improvements are based upon the VDOT study currently underway.
9	Roanoke Co.	Route 419 Intersections/Projects (one or more) between Bower Road and Apperson Drive	One or more projects may be identified through the OIPI Route 419 (Electric Rd.) Study from Rte. 11 (Apperson Dr.) to Bower Rd, that is currently underway.
10	Roanoke Co.	Pedestrian Crossing Improvements on Route 419 and at Plantation/Hershberger Intersections (UPC 117212)	The Pedestrian Crossing Improvements on Route 419 and at Plantation/Hershberger Intersections project is currently a VDOT HSIP project under design with a funding deficit.

Following the November 30th deadline for project request forms and, through its discussions with the TTC and RVTPo locality requestors, staff developed a simple and straightforward prioritization process to select four candidate project applications for the RVTPo and RVARC. Primarily utilizing questions from the request form, staff developed a series of quantitative criteria to score and rank the requests.

Criteria	Points
Is this project already underway (existing UPC #, PE, RW initiated)?	10 – yes; 5 - no
Is the project in the Roanoke Valley Transportation Plan?	10 – constrained; 5 – vision; 0 – no
Is the project in the region’s Comprehensive Economic Development Strategy (CEDS)?	5 – yes; 0 – no
Does the requesting agency plan to use its complement of four SMART SCALE applications?	5 – yes; 0 – no
Does the project have a cost estimate?	10 – yes; 5 – under development; 0 – no
Is there planned leverage on the project?	10 – yes; 5 – no
Does the project cost estimate exceed \$15 million?	10 – yes; 5 – no; 0 – N/A

The RVTPo has a maximum of four applications it can submit in August 2022 but may initiate five pre-applications in March.

In February it is anticipated that more information will be known about other potential funding to support existing project requests with HSIP funding deficits - Pedestrian Improvements on Williamson Road (UPC 113947) and Pedestrian Crossing Improvements on Route 419 and Plantation/Hershberger Intersections (UPC 117212) as well as more cost information for projects being generated from studies underway.

A final recommendation will be presented to the TTC and RVTPo at their respective February meetings so project pre-applications may be submitted in March.

RVTPo Policy Board Action: None.