

December 3, 2021

MEMORANDUM

TO: Members, Transportation Technical Committee
 FROM: Cristina Finch, AICP, LEED AP, Secretary to the Transportation Technical Committee
 SUBJ: December 9, 2021 TTC Meeting/Agenda

The December meeting of the Transportation Technical Committee (TTC) will be held Thursday, December 9, 2021 at 1:30 p.m. at the Roanoke Valley-Alleghany Regional Commission office (Top Floor Conference Room), 313 Luck Avenue, 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.

TTC AGENDA

1. Welcome, Call to Order, Roll Call *Chair Jamison*
2. **Action Needed:** Approval of the Consent Agenda items: *Chair Jamison*
 - A. Approval of the Agenda
 - B. Action on the November 15, 2021 TTC Minutes, pp. 3 – 22
3. Chair’s Remarks *Chair Jamison*
4. Update on Continued Development of the Update to the *Cristina Finch & Cambridge Systematics*
 Roanoke Valley Transportation Plan, pp. 23 – 24
5. Update on FY24 SMART SCALE RVTPO Candidate Project Requests, pp. 25 – 48*Bryan Hill*
6. Development of the Surface Transportation Block Grant (STBG) FY23-28/29*Cristina Finch*
 Financial Plan:
 - A. **Action Needed:** Status of Current STBG Projects and Recommendation on Requests for Additional Funding, pp. 49 – 53
 - B. **Action Needed:** Recommendation on Prioritization of Candidate Projects, pp. 54 – 57
7. Other Business

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

8. Comments by TTC Members and/or Citizens
9. Adjournment (by 3:30 p.m.)

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

MINUTES

The November meeting of the Transportation Technical Committee was held on Monday, November 15, 2021 at 10:30 a.m. at the Roanoke Valley-Alleghany Regional Commission, 313 Luck Avenue, SW, Roanoke, VA.

VOTING MEMBERS PRESENT

Mariel Fowler	County of Bedford
David Givens	County of Botetourt
Jonathan McCoy	County of Botetourt
Megan Cronise	County of Roanoke
Will Crawford	County of Roanoke
Wayne Leftwich	City of Roanoke
Mark Jamison, <i>Vice Chair</i>	City of Roanoke
Crystal Williams	City of Salem
Anita McMillan	Town of Vinton
Cody Sexton	Town of Vinton
Frank Maguire	Roanoke Valley Greenway Commission
Michael Gray	Virginia Dept. of Transportation - Salem District
Daniel Sonenklar (<i>via zoom</i>)	Virginia Dept. of Rail and Public Transportation

VOTING MEMBERS ABSENT

Dan Brugh	County of Montgomery
Nathan Sanford	Unified Human Serv. Transp. System (RADAR)

NON-VOTING MEMBERS ABSENT

Kevin Jones	Federal Highway Administration
-------------	--------------------------------

Others Present: David Jackson, Cambridge Systematics (*via zoom*); Carol Moneymaker, Virginia Department of Transportation.

RVARC Staff Present: Cristina Finch, Bryan Hill, Rachel Ruhlen, Jeremy Holmes (*via zoom*), Tim Pohlad-Thomas (*via zoom*), Andrea Garland and Virginia Mullen.

1. WELCOME, CALL TO ORDER, ROLL CALL

Chair Jamison called the meeting to order at 10:30 a.m. and asked Cristina Finch, Secretary to the TTC, to call the roll. Ms. Finch stated that a quorum was present.

2. APPROVAL OF CONSENT AGENDA ITEMS

The following consent agenda items were distributed earlier:

- A. November 15, 2021 RVTPO Meeting Agenda
- B. October 14, 2021 TTC Minutes

Motion: by Crystal Williams to approve items (A) and (B) under the consent agenda, as presented; seconded by Cody Sexton.

TTC Action: Motion carried unanimously.

3. **CHAIR REMARKS**

- Chair Jamison noted today’s agenda is full and he would really like for the group to take action, if possible, on item #7 Development of the Update to the Roanoke Valley Transportation Plan: Recommendation on Needs Prioritization, Objectives, Performance Measures.
- Chair Jamison reported that last week the TPO took action approving \$2,544,860.00 STBG funds toward Route 460 and Alternate Route 220 Intersection Improvement Project. The action was prompted by the additional funding provided from the State Grant Program.
- Chair Jamison commented that in the last several months there have been instances where members would “reply all” to emails. He reminded that the TTC Committee is a public body and members should be sensitive to any perceptions that members might be conducting business outside of the normal business meeting and advised to be mindful.

4. **ACTION NEEDED: ELECTION OF VICE-CHAIR**

At the October 14, 2021 TTC meeting, Vice Chair Mark Jamison was elected to be Chair to fulfill the vacated position formerly held by Ben Tripp. Chair Jamison appointed a Nominating Committee (Megan Cronise, Roanoke County and Michael Gray, VDOT) tasked with preparing a slate of nominees for the TTC office of Vice Chair to fulfill the remainder of his two-year term which will end after the conclusion of the July 14, 2022 TTC meeting.

The Nominating Committee recommended TTC member Cody Sexton to be elected as the new Transportation Technical Committee (TTC) Vice Chair.

The floor was opened for additional nominations for Vice Chair. None were voiced.

Motion: by Jonathan McCoy to elect Cody Sexton as Vice Chair of the TTC for a term ending at the conclusion of the July 14, 2022 TTC meeting; seconded by Anita McMillan.

TTC Action: Motion carried unanimously.

5. **VIRGINIA TRANSIT EQUITY AND MODERNIZATION STUDY**

Mr. Dan Sonenklar with the Virginia Department of Rail and Public Transportation presented a PowerPoint Presentation on the Virginia Transit Equity and Modernization Study (the presentation is included with the minutes).

6. **ACTION NEEDED: RECOMMENDATION ON 2022 SAFETY PERFORMANCE MEASURE TARGETS**

Bryan Hill highlighted the annual process of adopting Safety Performance Measure Targets. Additionally, Mr. Hill discussed the RVTPO’s Performance-Based Planning and Programming

process, and the GAP grant received from the Office of Intermodal Planning and Investment to improve it. One such item being developed through application of this grant in the update of the Roanoke Valley Transportation Plan is a draft regional transportation safety objective which is to: reduce fatalities and injuries on the multimodal transportation system.

Mr. Hill presented the three targets and the Future Target Annual Percentage Reductions used in determining the 2022 VDOT Targets:

Target Description	*Statewide Annual Goal Percent Change
Number of Fatalities	+1.37%
Number of Serious Injuries	-2.36%
Number of Non-Motorized Fatalities and Serious Injuries	-2.37%

Mr. Hill pointed out that the positive values for Number of Fatalities, represented an increase. The chart below shows the 202 actual data, the 2021 target values, and the proposed 2022 values.

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

Wayne Leftwich asked what the direction was in adjusting the targets prior to the year of 2020 (odd year because of the COVID pandemic). Mr. Hill replied that the targets are based on five-year trends and if they were spread over 20 years or so they will gradually decrease.

Mr. Hill noted that simply because the RVTPO adopts the VDOT targets, which may indicate a projected increase in fatalities, does not negate the fact it supports a reduction. It simply means that by adopting the VDOT targets, it is understood they may increase—and it is not realistic to expect trends to constantly decrease. It would be counterintuitive to adopt lower targets, only to fail to achieve them (by even more) due to data and projections to the contrary.

Motion: by Cody Sexton to recommend to the RVTPO Policy Board the adoption of the VDOT 2022 Safety Performance Measure Targets, as presented; seconded by Jonathan McCoy.

TTC Action: Motion carried unanimously.

7. **CONTINUED DEVELOPMENT OF THE UPDATE TO THE ROANOKE VALLEY TRANSPORTATION PLAN: ACTION NEEDED: RECOMMENDATION ON NEEDS PRIORITIZATION, OBJECTIVES, PERFORMANCE MEASURES**

Ms. Finch reported that two main topics are being presented to the TTC to review and take action on at today's meeting: 1) Priority Needs and 2) Objectives/Performance Measures. Ms. Finch welcomed Mr. David Jackson with Cambridge Systematics, who presented the updated information on the development of the Roanoke Valley Transportation Plan (the PowerPoint presentation is included with the Minutes).

Mr. Gray commented that his hope was to see some things change based on the provided comments. Mr. Gray recalled a discussion about the VTRANS state needs (guiding the funding process for OIPI) and the regional priority needs (guiding the Long-Range Plan decisions) and commented that it is still not clear where the transition will take place between the regional and state planning efforts. Mr. Gray also commented that at the last meeting he expressed concern about the Environmental Justice (EJ) weighting being 20% and is applied to every need type while in the OIPI VTrans needs prioritization EJ was only considered on two or three types and maxed out at 6.5%. Mr. Gray commented that the other concern he has is about the 40% equity and how it will be measured.

Mr. Cody Sexton echoed Mr. Gray's comments and expressed his disappointment that some recommendations were justified away. Mr. Sexton is still not completely convinced that this process is going to lead to results that complement VTRANS or any other projects that OIPI is doing, or any of the Long-Range Plans/Comp Plans that the localities are doing. Mr. Sexton commented that he saw the justification of the land use being incorporated in the environmental justice factor and causing the increase, however he would like to see the data behind it. Mr. Sexton stated that these features work really well in identifying prioritizations in the truly urban areas and is concerned if this is capturing the population's needs in the less urbanized or suburbanized areas.

Mr. Wayne Leftwich commented that the City's Comp Plans talks about equity throughout the whole plans, and he thinks that equity and environmental justice are important for meeting

Long-Range goals. Mr. Sexton replied that Roanoke City is very well suited to align in how this plan and prioritization have been laid out thus far, his concern would be Roanoke County, Botetourt County, Town of Vinton, portions of Bedford and Montgomery County. Mr. Gray clarified that his concern is that the environmental justice percentage is way higher than the VTRANS one.

Ms. Finch commented that VTRANS guides SMART SCALE investments and the prioritization within that process is done completely differently - by weighting the value of each need category against the others to add up to 100% rather than prioritizing similar needs within each need category given regionally developed criteria. VTRANS is really focused on identifying project eligibility for SMART SCALE rather than comprehensively assessing and prioritizing the region's needs.

Ms. Cronise agreed with Mr. Sexton and Mr. Gray's comments. She asked if there is a way to take a pilot year and see how things play out before committing to implementing it. Ms. Finch replied that it is a working process, and everything will be evaluated again in five years when the transportation plan is being updated given that it takes a few rounds of grant cycles to see how the plan is working. Mr. Leftwich commented that he mentioned last time using "eliminate fatalities and reduce injuries" instead of "reduce injuries and fatalities" and would like to see that language in the first objective (1A).

Motion: by Wayne Leftwich to recommend to the RVTPO Policy Board the endorsement of the needs prioritization and objectives and performance measures with the modification to the objectives 1A and 7C to reflect "eliminate fatalities and reduce injuries". Motion failed due to lack of a second.

Motion: by Cody Sexton to table this discussion until the next meeting for further discussion and members to provide recommendations on how to revise the document so it can be approved by the group. Motion was seconded by Megan Cronise.

TTC Action: Motion carried unanimously.

Chair Jamison noted that one of the concerns members have expressed during this meeting is the concern with the 40% equity and asked if there are any other concerns. Megan Cronise commented that another concern is the response to the comments that were provided in today's packet. Chair Jamison asked for specific recommendations to be submitted to staff.

8. OTHER BUSINESS

A. Overview of Surface Transportation Block Grant (STBG) Round 5 Candidate Projects

Mr. William Long provided a quick overview of the STBG Round 5 Candidate Projects (the PowerPoint presentation is included with the Minutes).


9. COMMENTS BY MEMBERS AND / OR CITIZENS

Ms. Cristina Finch announced Mr. William Long had accepted a new job with Valley Metro as their Director of Transit Planning.

10. ADJOURNMENT

The meeting was adjourned at 12:24 p.m.

Cristina D. Finch, AICP, LEED AP, Secretary,
Transportation Technical Committee



Virginia Transit Equity and Modernization Study

RVTPPO - Transportation Technical Committee (TTC)
November 15, 2021

Dan Sonenklar, Statewide Transit Planning Manager

DRPT Kimley-Horn

1

Virginia Transit Equity and Modernization

How Did We Get Here?

- HJ 542 (2021) bill passed
- The resolution requires exploring a variety of topics that will create recommendations to advance transit equity and modernization efforts
- Emphasis on engagement opportunities for underrepresented communities

Transit Accessibility	Adequacy of Infrastructure	Transit Electrification
Emerging Technologies	Transit Safety	System Engagement & Governance

DRPT Kimley-Horn

2

Study Goals

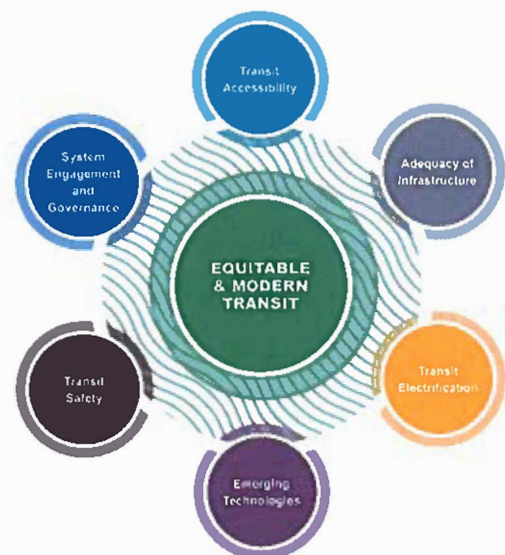
What will this study accomplish?

- ✓ Will identify transit agency, rider, and stakeholder needs
- ✓ Will develop an action plan to address those needs
- ✓ Define underrepresented and underserved communities

3

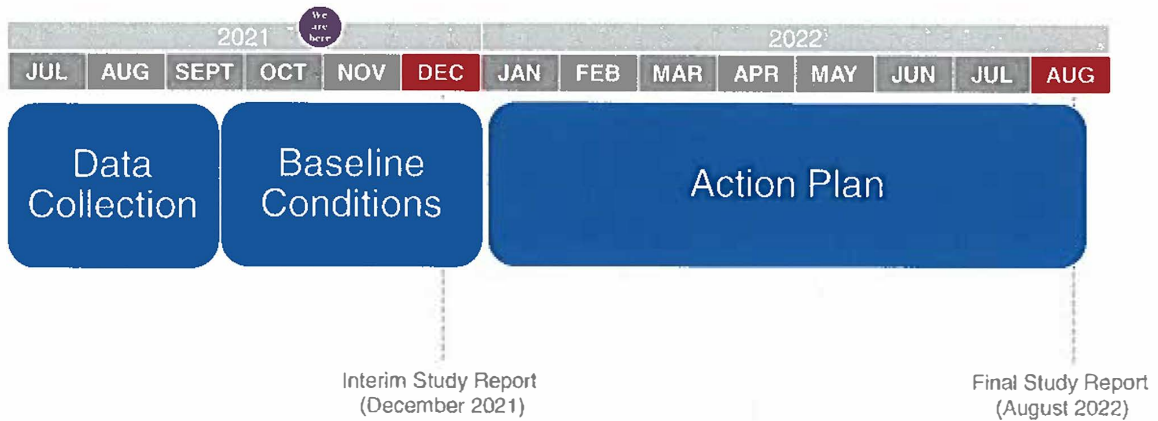
The study will address:

- Opportunities/Gap Assessment of transit service and accessibility
- Needs and barriers to improve transit infrastructure
- Opportunities to reduce carbon footprint through bus electrification
- Strategies to inform priorities of implementing emerging technologies
- Opportunities to enhance passenger and transit employee safety
- Framework for identifying and engaging disadvantaged populations and underserved communities



4

Study Process & Timeline



5

Key Study Activities

	Completed	In Progress	Upcoming
Study Phase	✓ Data Collection	○ Baseline Conditions	○ Action Plan
Study Activities	<ul style="list-style-type: none"> ✓ Review Plans, Policies, and Data ✓ Transit Agency Survey ✓ Rider Focus Groups ✓ Transit Agency Outreach Kits 	<ul style="list-style-type: none"> ○ Transit Equity Committee (TEC) ○ Technical Working Groups (TWGs) ○ Stakeholder Meetings ○ Agency Briefings 	<ul style="list-style-type: none"> ○ Interim Study Report ○ Virtual Transit Equity Forum ○ Final Study Report

6

Key Study Activities

	Completed	In Progress	Upcoming
Study Phase	✓ Data Collection	○ Baseline Conditions	○ Action Plan
Study Activities	<ul style="list-style-type: none"> ✓ Review Plans, Policies, and Data ✓ Transit Agency Survey ✓ Rider Focus Groups ✓ Transit Agency Outreach Kits 	<ul style="list-style-type: none"> ○ Transit Equity Committee (TEC) ○ Technical Working Groups (TWGs) ○ Stakeholder Meetings ○ Agency Briefings 	<ul style="list-style-type: none"> ○ Interim Study Report ○ Virtual Transit Equity Forum ○ Final Study Report

7

Key Study Activities

	Completed	In Progress	Upcoming
Study Phase	✓ Data Collection	○ Baseline Conditions	○ Action Plan
Study Activities	<ul style="list-style-type: none"> ✓ Review Plans, Policies, and Data ✓ Transit Agency Survey ✓ Rider Focus Groups ✓ Transit Agency Outreach Kits 	<ul style="list-style-type: none"> ○ Transit Equity Committee (TEC) ○ Technical Working Groups (TWGs) ○ Stakeholder Meetings ○ Agency Briefings 	<ul style="list-style-type: none"> ○ Interim Study Report ○ Virtual Transit Equity Forum ○ Final Study Report

8

Baseline Conditions: Initial Themes

- Equity can be incorporated more in state guidance, requirements and funding programs for public transit
- Many bus stops are poorly placed and not well-connected to sidewalks
- Basic transit infrastructure (shelters, benches, lighting, etc.) is lacking
- Most transit agencies do not have rider advisory boards or committees
- There is a significant interest from Virginia's transit agencies to electrify fleets and adopt newer transit technologies, but additional resources are required (funding, skilled workforce, training, technical assistance, etc.)
- Many transit agencies are interested in piloting zero-fare service to overcome barriers to transit access

9

Study Action Plan

- Findings from the Baseline Conditions Assessment and Interim Study Report will inform the development of a Study Action Plan
- The Study Action Plan will include recommendations and implementation strategies that address barriers by topic area and will describe specific actions, next steps, coordination required, timeline for implementation and responsible agencies.
- DRPT anticipate that the Study Action Plan will advise changes to DRPT funding programs and policies, and the development of future plans.

10

Get Involved

Spread the word to sign up for our email list at:

www.vatransitequity.com

Questions?

Dan Sonenklar | Daniel.Sonenklar@drpt.virginia.gov

Grant Sparks (Project Manager) | Grant.Sparks@drpt.virginia.gov

11

Thank You!

Questions?

Dan Sonenklar | Daniel.Sonenklar@drpt.virginia.gov

Grant Sparks (Project Manager) | Grant.Sparks@drpt.virginia.gov



12

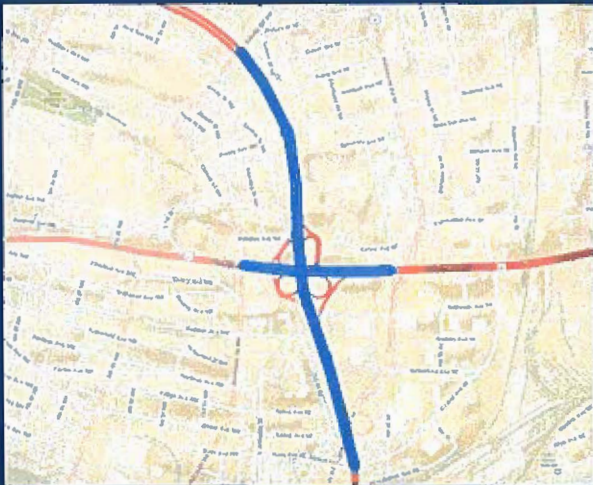
STBG ROUND 5 CANDIDATE PROJECTS



Roanoke Valley Transportation
PLANNING ORGANIZATION
Subsidiary of
REGIONAL commission

1

I-581/ORANGE AVE/ WILLIAMSON RD INTERCHANGE



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

2

ORANGE AVE. – 11TH TO 24TH ST IMPROVEMENTS

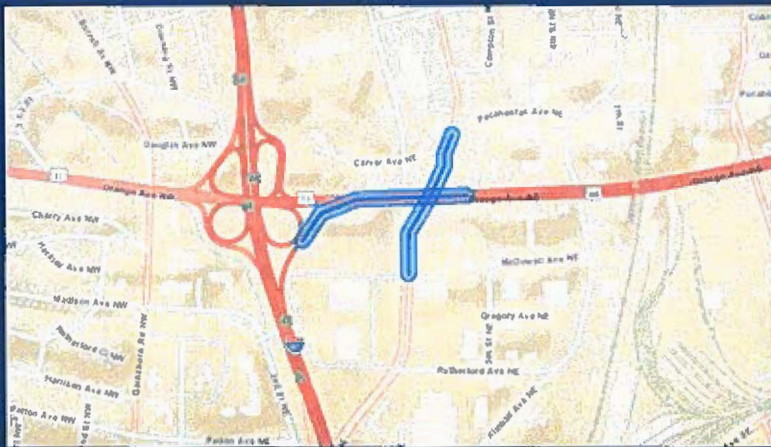
- Modifying or eliminating intersections to limit conflicts
- Request: \$5,000,000
- Match for SMART SCALE Round 5



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



4

ROANOKE RIVER GREENWAY – EAST

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



5

CHAPARRAL DRIVE PEDESTRIAN IMPROVEMENTS

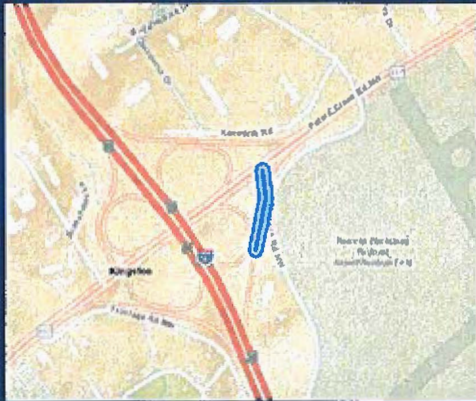


- Pedestrian facilities surrounding Cave Spring High School
- Request: \$3,733,930

6

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

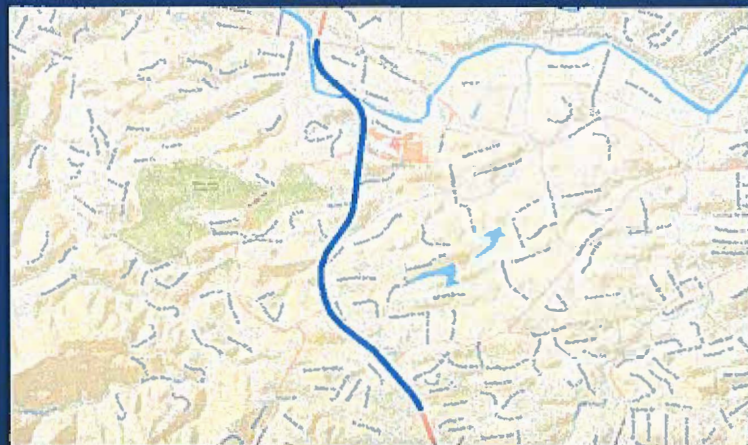
Option 3



7

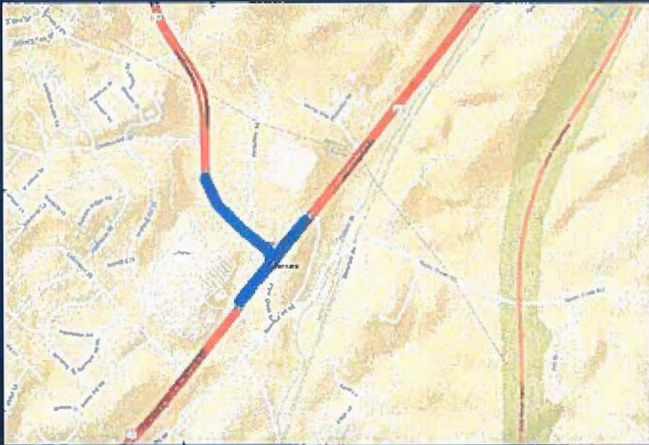
RTE 419/ELECTRIC RD STUDY BETWEEN RTE 11/APPERSON & BOWER RD PROJECTS

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



8

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 - RTPO already supporting this for \$2.5M STBG

9

WALROND DRIVE MULTIMODAL IMPROVEMENTS

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



10

WEST MAIN STREET PEDESTRIAN IMPROVEMENTS, PHASE 3

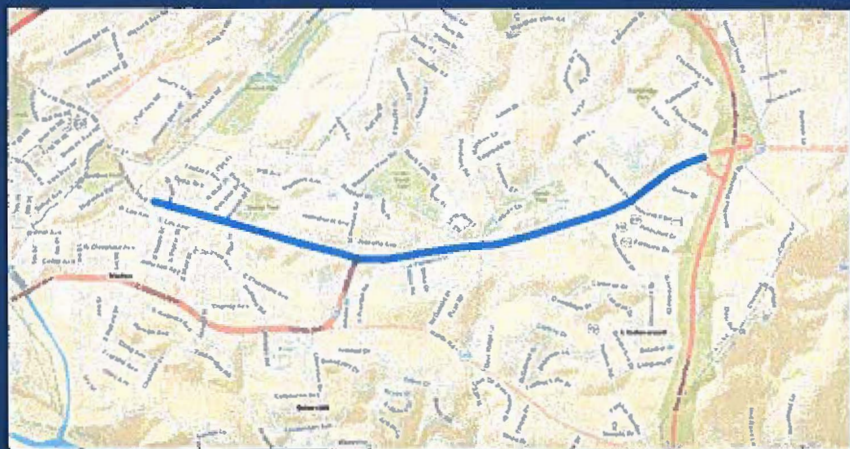


- Complete sidewalk sections
- Request: \$3,016,962

11

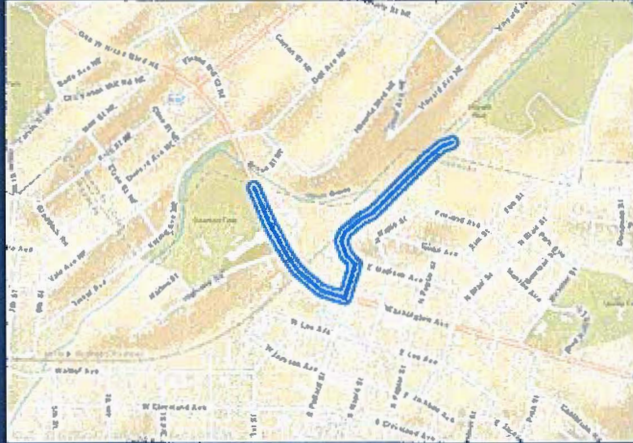
WASHINGTON AVENUE CORRIDOR IMPROVEMENT STUDY

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



12

GLADE CREEK GREENWAY PHASE 3, PE



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

13

SUMMARY

- 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

14

SCORING

- TTC members submit project scores to cfinch@rvarc.org and wlong@rvarc.org
- Due **Thursday, November 18**
- Rank projects by criteria: 1 best to 11 least
- Exception: Criteria A – Regional Significance
Double the score – 2 best through 22 least

15

NEXT STEPS

- December TTC Meeting
 - Review updates on current projects and any additional funding requests.
 - Review average scores on candidate projects and recommend a priority funding list to the Board.
- January TTC Meeting
 - Draft FY23-28/29 STBG Financial Plan presented, members make recommendation to Policy Board to be released for public comment.
- February/March Policy Board Meeting
 - Final FY23-28/29 Plan approved

16

STAFF REPORT

TTC Meeting December 9, 2021

SUBJ: Update on Continued Development of the Update to the Roanoke Valley Transportation Plan

Roanoke Valley Transportation Plan Update

Priority Needs

The priority needs process uses available data to assess the importance of needs identified through the Regional Transportation Needs Assessment by aligning each need with data that represents aspects of the Roanoke Valley Transportation Plan goals. The outcome of the process **is a prioritized list of needs, organized by need type and jurisdiction**. RVTPO staff and the TTC will use this information, as well as insights from VTrans and other ongoing planning and project development efforts, as a **means to explore solutions to address priority needs** for possible inclusion in the Plan.

During the November TTC meeting, the TTC expressed concerns on inconsistencies between the RVTPO priority needs weighting by criteria compared to VTrans and SMART SCALE approaches. In response, the Plan team is:

- Establishing a strategy to help the TTC better understand how the Plan priority needs, VTrans and SMART SCALE, and other efforts can complement each other to identify and promote local, regional, and state priority projects.
- Exploring alternative weighting that helps the regional priority needs process align closer with the importance assigned to similar (but not the same) factors in VTrans and SMART SCALE.

When reviewing priority needs and reviewing options for solutions, RVTPO staff and the consultant team will compare regional priority needs to the results from VTrans and other needs assessments and project development activities. Where there are overlaps and differences, the team will document and brief the TTC on the approach to address as part of the Plan.

Objectives and Performance Measures

Prior to initiating the process of identifying and reviewing solutions, RVTPO staff and the Plan consultant team developed a Draft set of plan objectives and associated performance measures carrying out the process outlined by the OIPI GAP consultant team.

During the November TTC meeting, the TTC discussed establishing objectives consistent with the purpose of a regional transportation plan, and identified existing Draft objectives that should be reworded to more closely align with the goals. In response, the Plan team is:

- Rewording objectives to be more consistent with state and regional priorities, for example “Eliminate fatalities and reduce injuries on the multimodal transportation system.”

- Clarifying how objectives and performance measures will be used through the remainder of the Plan update process and how RVTPO will use them following Plan adoption to track regional performance.

Objectives are important to consider at this phase of Plan development because they create the framework for the rest of the Plan development process, including:

- Objectives inform how we reach agreement on preferred solutions
- Objectives guide criteria to prioritize projects for inclusion in the Plan
- Objectives align with performance measures to assess how the region's transportation system performs today and into the future, consistent with the Plan goals and objectives.

Solutions

The process for identifying and evaluating solutions to transportation needs will be implemented as part of the Plan development process following the development of priority needs and the identification of objectives and performance measures. It directly precedes the identification and prioritization of projects for inclusion in the Plan.

Solutions are ideas of how the region can achieve desired results. Solutions address specific transportation needs and contribute to meeting a regional objective. Some transportation solutions may be simple enough to lead directly to an existing project concept or a new project, whereas others may require further study/analysis.

The GAP team is developing a process document detailing how solutions will be developed as part of the Plan process – using the results of the needs assessment and information from priority needs, being guided by the objectives; and relying on existing projects and stakeholder perspective to focus on a priority list of solutions.

Next Steps

The Plan consultant team and the OIPI GAP consultant team continue to work together with RVTPO staff to refine the priority needs, objectives, and performance measures and detail the approach to solutions. The team does not intend to seek a TTC recommendation on the priority needs or objectives at this time; rather, we do want to ensure that the TTC has had adequate time to understand the process, provide feedback, and acknowledge how this information informs future Plan development steps. A separate workshop-style meeting will be scheduled with the TTC in early January as a key milestone to review and finalize the priority needs, objectives, and performance measures and move forward into solutions.

STAFF REPORT
TTC Meeting December 9, 2021
SUBJ: Consideration of FY24 RVTPO SMART SCALE Candidate Project Requests

In early fall 2021, staff initiated the process for submitting and selecting RVTPO candidate projects for the FY24 round of SMART SCALE. The process entails 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 seeks 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	STARS – 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	STARS – 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	STARS – 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.

No.	Agency	Project Name	Project Description
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.
7	Roanoke Co.	UPC 113947 Pedestrian Improvements on Williamson Road	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.	UPC 117212 Pedestrian Crossing Improvements on Route 419 and at Plantation/Hershberger Intersections	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.

TTC members will have the opportunity to review the requests and discuss if there are any other projects that should be considered by the RVTPO Policy Board. At the time this staff report was written, it is apparent that there are more requests for projects than the four SMART SCALE application slots available to the RVTPO. Through this discussion at the December 9th meeting, the Committee and staff will address the current state of these requests and their likelihood for application to SMART SCALE Round 5.

It is important to note that the requestors of these projects in the Urbanized Area have initially responded differently to the question, “Which organization are you requesting to submit the application?” The responses to those questions fell into four categories, which were:

1. Staff specifically select the appropriate organization based upon availability
2. Specifically, the RVTPO
3. Specifically, the RVARC
4. Specifically the RVARC, but are flexible

Upon further discussion with the requestors, prior to this meeting, all indicated a willingness to allow staff to select the appropriate organization (RVTPO/RVARC) to request application.

The table on the following page indicates if each project request ishas:

1. A new project or resubmittal
2. Listed in the Constrained Long-Range Multimodal Transportation Plan
3. Committed leverage through STBG, locally, or other funding sources
4. Conditional leverage through STBG
5. A cost estimate

Agency	Project Name	New Project/ Resubmittal Request	Is Project in Long-Range Plan?	Committed Leverage	Conditional Leverage	Cost Estimate
City of Roanoke	STARS – I-581/Orange Ave Interchange Improvements	New	Yes	\$ -	\$2,000,000	Unknown
City of Roanoke	STARS – Orange Ave and Williamson Rd. Intersection Improvements	New	Yes	\$ -	\$5,000,000	Unknown
City of Roanoke	STARS – Virginia Tech Carilion Research Institute Interchange Project	New	Yes	\$80,000	\$ -	Unknown
Botetourt Co.	Rte. 220 Superstreet Improvement	Resubmittal	Yes	\$3,000,000	\$ -	\$14,412,482
Botetourt Co.	Exit 150 Improvement Project	New	Yes	\$ -	\$ -	\$22,831,000
Roanoke Co.	West Main Street Phase 3 Sidewalk	New	Yes	\$3,016,962	\$ -	\$3,016,962
Roanoke Co.	UPC 113947 Pedestrian Improvements on Williamson Road	New	Yes	\$1,500,000	\$ -	Unknown
Roanoke Co.	U.S. Route 11/460 at Dow Hollow Road Intersection Improvements	New	Yes	\$ -	\$ -	Unknown
Roanoke Co.	Route 419 Intersections/Projects (one or more) between Bower Road and Apperson Drive	New	Yes	\$ -	\$5,000,000	Unknown
Roanoke Co.	UPC 117212 Pedestrian Crossing Improvements on Route 419 and at Plantation/Hershberger Intersections	New	Yes	\$615,000	\$ -	Unknown

Following the November 30th deadline for project request forms and, through its discussions with the three RVTPO locality requestors, staff is in development of a simple and straightforward prioritization process to select four candidate project applications for the RVTPO and RVARC. The process will primarily utilize elements indicated on the Request Form, as well as priorities designated by the requestor. More will be provided about this process as information is known about project requests and the need for prioritizing a recommendation to both bodies.

It is anticipated that by the February TTC meeting, staff will present a recommended scenario to forward to the RVTPO which endorses projects to be submitted by RVTPO for SMART SCALE.

TTC Action: No action required, as this is a first review and discussion of RVTPO SMART SCALE project requests.

Note: The RVTPO Policy Board will also have a first review of the Project Request Forms at their December 16th meeting.



Candidate Project Request Form for RVARC and RTPO SMART SCALE Applications

Upload the completed Project Request Form through this link:
<https://rvarc.sharefile.com/r-rb049008770d348cfba89439732b134a7>
Form to be submitted no later than Tuesday, November 30, 2021

Date Submitted: November 30, 2021

Submitter's Name: Dwayne D'Ardenne

Organization: City of Roanoke

Submitter's Email and Phone #: dwayne.d'ardenne@roanokeva.gov 540-853-1756

Project Title: STARS I-581/Orange Ave Interchange Improvements

Project Description: As noted in the STARS Route 460 (Orange Avenue) study, the I-581 interchange at Route 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.

Project Cost Estimate: A STARS study is underway; therefore, a cost estimate is unknown at this time. The study completion date is scheduled for April 2022 so that details will be available for the SMART SCALE application.

1. Is this project in the Roanoke Valley Transportation Plan?

Yes - Please reference project/page #: Appendix E, P. 225 and Vision List, pp. 190-192

No - If no, please state the project's purpose and need.

If no, why is it more important for the region to pursue this project now rather than other projects in the Plan?

2. Is this project in the Roanoke Urbanized Area (RTPO Service Area)? No Yes

If so, which organization are you requesting to submit the application? RTPO RVARC The City respectfully requests that the Regional Commission select the appropriate organization based on availability to submit on the City's behalf.

3. Is this project in the Rural portion of the Roanoke Valley-Alleghany Region? No Yes

4. In what way does this project serve a Corridor of Statewide Significance or Regional Network?

Please identify reference from VTrans2040 Needs Assessment

([https://icfbimetrics.blob.core.windows.net/vtrans/assets/docs/VTrans2040-Needs-](https://icfbimetrics.blob.core.windows.net/vtrans/assets/docs/VTrans2040-Needs-Assessment.pdf)

Assessment.pdf). The I-581 and Rt460/Orange Ave corridors are responsible for carrying significant levels of traffic, allowing connectivity locally, for the region, and the state. Both local and regional commuters, as well as regional freight, are among the heaviest daily users. Based on the VTrans Needs Assessment, the I-581/Orange Ave Interchange project addresses congestion, travel time reliability, and vehicular safety. Further, improvements will provide safer pedestrian and bicycle infrastructure resulting

in an increase in mode choice for travel along the corridor serving the region. VTrans references S.1, S.3, S.9, S.11.

5. Is this project in the RVARC's Regional Comprehensive Economic Development Strategy (CEDS)?

If yes, list page #. CEDS pp. #63-64

If no, please state project's purpose & need.

If no, why is it more important for the region to pursue this project now rather than other projects in the CEDS?

6. Has this project been submitted for previous rounds of SMART SCALE? If so, which round(s)? No, the project has not previously been submitted.

7. Has this project had funds previously committed to it (STBG, TA, Local funds, Other)?

A request for STBG funding leverage was submitted in 2021. In addition, a VDOT funded STARS study is underway.

8. Is it anticipated that new or additional funds will be committed by the sponsor organization or requested from the RVTPO? Unknown at this time.

9. For locality applicants only, is this project listed as a priority in the comprehensive plan?

Yes - Please reference project/page #:

No - If no, please state the project's purpose and need.

If no, why is it more important for the region to pursue this project now rather than other projects in the Plan? The City's 2040 Comprehensive Plan does not explicitly identify this project but instead states the desired outcome for each planned project. In the comprehensive plan, an emphasis is placed on providing positive and safe travel for all users. Therefore, this and other STARS projects seek to implement infrastructure directly supporting the City's 2040 Comprehensive plan. Specifically, the I-581/Orange Ave Interchange project addresses congestion, travel time reliability, and vehicular safety. Further, improvements seek to provide safer pedestrian and bicycle infrastructure resulting in an increase in mode choice for travel along the corridor serving the region. Please reference in the City's 2040 Plan page 124 regarding regional connections and page 132, policies #4 and #5 that comment on congestion mitigation, multi-modal travel, and the importance of CoSS as it relates to its local and regional impact.



Candidate Project Request Form for RVARC and RVTPO SMART SCALE Applications

Upload the completed Project Request Form through this link:
<https://rvarc.sharefile.com/r-rb049008770d348cfba89439732b134a7>
Form to be submitted no later than Tuesday, November 30, 2021

Date Submitted: November 30, 2021

Submitter’s Name: Dwayne D’Ardenne

Organization: City of Roanoke

Submitter’s Email and Phone #: dwayne.d’ardenne@roanokeva.gov 540-853-1756

Project Title: STARS Orange Ave and Williamson Rd Intersection Improvements

Project Description: The STARS Route 460 (Orange Avenue) study has identified operational and safety issues for the 460 corridor. The study’s 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. These solutions mitigate the identified safety issues, improve traffic operations, and alleviate congestion.

Project Cost Estimate: The City has requested from VDOT that a cost estimate be developed from the completed STARS study.

1. Is this project in the Roanoke Valley Transportation Plan?

Yes - Please reference project/page #: Appendix E, P. 225 and Vision List, pp. 190-192

No - If no, please state the project’s purpose and need.

If no, why is it more important for the region to pursue this project now rather than other projects in the Plan?

2. Is this project in the Roanoke Urbanized Area (RVTPO Service Area)? No Yes

If so, which organization are you requesting to submit the application? RVTPO RVARC

The City respectfully requests that the Regional Commission select the appropriate organization based on availability to submit on the City’s behalf.

3. Is this project in the Rural portion of the Roanoke Valley-Alleghany Region? No Yes

4. In what way does this project serve a Corridor of Statewide Significance or Regional Network?

Please identify reference from VTrans2040 Needs Assessment

([https://icfbometrics.blob.core.windows.net/vtrans/assets/docs/VTrans2040-Needs-](https://icfbometrics.blob.core.windows.net/vtrans/assets/docs/VTrans2040-Needs-Assessment.pdf)

[Assessment.pdf](https://icfbometrics.blob.core.windows.net/vtrans/assets/docs/VTrans2040-Needs-Assessment.pdf)). The Rt460/Orange Ave corridor is responsible for carrying significant levels of traffic, allowing connectivity locally, for the region, and the state. Both local and regional commuters, as well as regional freight, are among the heaviest daily users. Based on the VTrans Needs Assessment, the project addresses congestion, travel time reliability, and vehicular safety. Further, improvements will provide

safer pedestrian and bicycle infrastructure resulting in an increase in mode choice for travel along the corridor serving the region. VTrans references S.1, S.3, S.9, S.11.

5. Is this project in the RVARC's Regional Comprehensive Economic Development Strategy (CEDS)?

If yes, list page #. CEDS pp.# 63-64

If no, please state project's purpose & need.

If no, why is it more important for the region to pursue this project now rather than other projects in the CEDS?

6. Has this project been submitted for previous rounds of SMART SCALE? If so, which round(s)? The project has not previously been submitted.

7. Has this project had funds previously committed to it (STBG, TA, Local funds, Other)?

A request for STBG funding leverage was submitted in 2021. In addition, a VDOT funded STARS study has been completed.

8. Is it anticipated that new or additional funds will be committed by the sponsor organization or requested from the RTPO? Unknown at this time.

9. For locality applicants only, is this project listed as a priority in the comprehensive plan?

__ Yes - Please reference project/page #:

__ No - If no, please state the project's purpose and need.

If no, why is it more important for the region to pursue this project now rather than other projects in the Plan? The City's 2040 Comprehensive Plan does not explicitly identify this project but instead states the desired outcome for each planned project. In the comprehensive plan, an emphasis is placed on providing positive and safe travel for all users. Therefore, this and other STARS projects seek to implement infrastructure directly supporting the City's 2040 Comprehensive plan. Specifically, the Orange Ave and Williamson Rd project addresses congestion, travel time reliability, and vehicular safety. Further, improvements seek to provide safer pedestrian and bicycle infrastructure resulting in an increase in mode choice for travel along the corridor serving the region. Please reference in the City's 2040 Plan page 124 regarding regional connections and page 132, policies #4 and #5 that comment on congestion mitigation, multi-modal travel, and the importance of CoSS as it relates to its local and regional impact.



Candidate Project Request Form for RVARC and RTPO SMART SCALE Applications

Upload the completed Project Request Form through this link:
<https://rvarc.sharefile.com/r-rb049008770d348cfba89439732b134a7>
Form to be submitted no later than Tuesday, November 30, 2021

Date Submitted: November 30, 2021

Submitter's Name: Dwayne D'Ardenne

Organization: City of Roanoke

Submitter's Email and Phone #: dwayne.d'ardenne@roanokeva.gov 540-853-1756

Project Title: VTCRI Interchange Project

Project Description: The Virginia Tech Carilion Research Institute (VTCRI) Interchange 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.

Carilion specifically suggested that the partial Rt 220 interchange at Franklin Road be upgraded to include full access for drivers utilizing Rt 220 due to emergency response activity and planned growth for the VTCRI/Carilion Clinic campuses. While the Franklin Road 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.

Project Cost Estimate: An access study is underway; therefore, a cost estimate is unknown at this time. The study completion date is scheduled for April 2022 so that details will be available for the SMART SCALE application.

1. Is this project in the Roanoke Valley Transportation Plan?

Yes - Please reference project/page #: Virginia Tech Carilion Access/pg 192

No - If no, please state the project's purpose and need.

If no, why is it more important for the region to pursue this project now rather than other projects in the Plan?

2. Is this project in the Roanoke Urbanized Area (RTPO Service Area)? No Yes

If so, which organization are you requesting to submit the application? RTPO RVARC

The City respectfully requests that the Regional Commission select the appropriate organization based on availability to submit on the City's behalf.

3. Is this project in the Rural portion of the Roanoke Valley-Alleghany Region? No Yes

4. In what way does this project serve a Corridor of Statewide Significance or Regional Network?

Please identify reference from VTrans2040 Needs Assessment

(<https://icfbometrics.blob.core.windows.net/vtrans/assets/docs/VTrans2040-Needs->

Assessment.pdf). The continued development of the VTCRI/Carilion Clinic campus further serves the needs of the region. Medical research, teaching institutions, and health care continue to be a focal point for the region from the human care perspective and as an economic backbone. As shown in the VTrans Needs Assessment, congestion and travel time are issues that the City of Roanoke contends with that affect local and regional commuters and transit. With the growth outlined, a clear, logical, and efficient means to access the research and education center and the hospital is essential for VTCRI's and Carilion's continued success while mitigating current and future congestion and routing issues.

The proposed project addresses congestion, travel time reliability, and vehicular safety. Further, improvements will include safer pedestrian and bicycle infrastructure resulting in an increase in mode choice for travel along the corridor serving the region. VTrans references S.1, S.3, S.9, S.11.

5. Is this project in the RVARC's Regional Comprehensive Economic Development Strategy (CEDS)?

If yes, list page #. Page 49, Strategy 3.3 and the Roanoke Innovation Corridor Project page 63.

If no, please state project's purpose & need.

If no, why is it more important for the region to pursue this project now rather than other projects in the CEDS?

6. Has this project been submitted for previous rounds of SMART SCALE? If so, which round(s)? The project has not previously been submitted.

7. Has this project had funds previously committed to it (STBG, TA, Local funds, Other)?

The City of Roanoke has committed \$80,000 to provide an interchange study based on travel demand for the VTCRI and Carilion campus.

8. Is it anticipated that new or additional funds will be committed by the sponsor organization or requested from the RVTPO? Unknown at this time.

9. For locality applicants only, is this project listed as a priority in the comprehensive plan?

Yes - Please reference project/page #:

No - If no, please state the project's purpose and need.

If no, why is it more important for the region to pursue this project now rather than other projects in the Plan? The City's 2040 Comprehensive Plan does not explicitly identify projects but instead states the desired outcome for each planned development. In the comprehensive plan, an emphasis is placed on providing efficient and safe travel for all users. Therefore, this project will implement infrastructure directly supporting the City's 2040 Comprehensive plan. Specifically, the proposed interchange will address efficient access to the Carilion and VTCRI campuses. Travel time, congestion mitigation, and safety are critical elements to the project. The Rt 220 interchanges at Elm Ave and Wonju St currently serve as the primary access point to the Carilion center. Frequently these interchanges become saturated leading to congestion which is of concern for regional emergency response for the Carilion emergency care center. Please reference in the City's 2040 Plan page 124 regarding regional connections and page 132, policies #4 and #5 that comment on congestion mitigation and the importance of CoSS as it relates to its local and regional impact.

Candidate Project Request Form for RVARC and RVTPO SMART SCALE Applications

Upload the completed Project Request Form through this link:

<https://rvarc.sharefile.com/r-rb049008770d348cfba89439732b134a7>

Form to be submitted no later than Tuesday, November 30, 2021

Date Submitted: 11/29/2021

Submitter's Name: Jonathan McCoy

Organization: Botetourt County

Submitter's Email and Phone #: jmccoy@botetourtva.gov; 5409282075

Project Title: Rte. 220 Superstreet Improvement

Project Description:

Convert crossovers along the Route 220 Corridor in Daleville to RCUT's to provide a superstreet concept.

Project Cost Estimate: \$14,412,482

1. Is this project in the Roanoke Valley Transportation Plan?

Yes - Please reference project/page #: A4-18; Pg. 165

No - If no, please state the project's purpose and need.

If no, why is it more important for the region to pursue this project now rather than other projects in the Plan?

2. Is this project in the Roanoke Urbanized Area (RVTPO Service Area)? No Yes
If so, which organization are you requesting to submit the application? RVTPO RVARC

3. Is this project in the Rural portion of the Roanoke Valley-Alleghany Region? No Yes

4. In what way does this project serve a Corridor of Statewide Significance or Regional Network?
Please identify reference from VTrans2040 Needs Assessment
(<https://icfbometrics.blob.core.windows.net/vtrans/assets/docs/VTrans2040-Needs-Assessment.pdf>).

This project serves to address corridor reliability, safety, and congestion needs along US 220, a Corridor of Statewide Significance.

5. Is this project in the RVARC's Regional Comprehensive Economic Development Strategy (CEDS)? **Yes**

If yes, list page #. **61**

If no, please state project's purpose & need.

If no, why is it more important for the region to pursue this project now rather than other projects in the CEDS?

6. Has this project been submitted for previous rounds of SMART SCALE? If so, which round(s)?

Yes, Round 4

7. Has this project had funds previously committed to it (STBG, TA, Local funds, Other)?

Yes, STBG Funds totaling \$3,000,000

8. Is it anticipated that new or additional funds will be committed by the sponsor organization or requested from the RVTPO?

No

9. For locality applicants only, is this project listed as a priority in the comprehensive plan?

Yes - Please reference project/page #: Access Management Efforts - US 220 & US 220 Alternate; Pg. 26

No - If no, please state the project's purpose and need.

If no, why is it more important for the region to pursue this project now rather than other projects in the Plan?

Candidate Project Request Form for RVARC and RVTPO SMART SCALE Applications

Upload the completed Project Request Form through this link:

<https://rvarc.sharefile.com/r-rb049008770d348cfba89439732b134a7>

Form to be submitted no later than Tuesday, November 30, 2021

Date Submitted: 11/29/2021

Submitter's Name: Jonathan McCoy

Organization: Botetourt County

Submitter's Email and Phone #: jmccoy@botetourtva.gov; 5409282075

Project Title: Exit 150 Improvement Project

Project Description:

Improvements to the safety and traffic flow at the existing intersection and associated northbound movements to and from Interstate 81.

Project Cost Estimate: \$22,831,000

1. Is this project in the Roanoke Valley Transportation Plan?

Yes - Please reference project/page #: Project #2 Pg. 164

No - If no, please state the project's purpose and need.

If no, why is it more important for the region to pursue this project now rather than other projects in the Plan?

2. Is this project in the Roanoke Urbanized Area (RVTPO Service Area)? No Yes
If so, which organization are you requesting to submit the application? RVTPO RVARC

3. Is this project in the Rural portion of the Roanoke Valley-Alleghany Region? No Yes

4. In what way does this project serve a Corridor of Statewide Significance or Regional Network?
Please identify reference from VTrans2040 Needs Assessment
(<https://icfbometrics.blob.core.windows.net/vtrans/assets/docs/VTrans2040-Needs-Assessment.pdf>).

This project serves to address corridor reliability, safety, and congestion needs along two Corridors of Statewide Significance: I-81 and US 220.

5. Is this project in the RVARC's Regional Comprehensive Economic Development Strategy (CEDS)? **Yes**

If yes, list page #. 61

If no, please state project's purpose & need.

If no, why is it more important for the region to pursue this project now rather than other projects in the CEDS?

6. Has this project been submitted for previous rounds of SMART SCALE? If so, which round(s)?

No

7. Has this project had funds previously committed to it (STBG, TA, Local funds, Other)?

No

8. Is it anticipated that new or additional funds will be committed by the sponsor organization or requested from the RVTPO?

No

9. For locality applicants only, is this project listed as a priority in the comprehensive plan?

Yes - Please reference project/page #: U.S. 11, 220, 220A Access Management Project at I81 Exit 150 (pg 25)

No - If no, please state the project's purpose and need.

If no, why is it more important for the region to pursue this project now rather than other projects in the Plan?

Candidate Project Request Form for RVARC and RVTPO SMART SCALE Applications

Upload the completed Project Request Form through this link:

<https://rvarc.sharefile.com/r-rb049008770d348cfba89439732b134a7>

Form to be submitted no later than Tuesday, November 30, 2021

Date Submitted: **November 30, 2021**

Submitter's Name: **Megan Cronise**

Organization: **Roanoke County**

Submitter's Email and Phone #: **mcronise@roanokecountyva.gov, (540)772-2106**

Project Title: **West Main Street Phase 3 Sidewalk**

Project Description:

(If unsuccessful in STBG), West Main Street (Route 11/460) Pedestrian Improvements, Phase 3, to complete the sidewalk project currently under construction between the City of Salem and Technology Drive.

Project Cost Estimate: **\$3,016,962 as estimated for STBG**

1. Is this project in the Roanoke Valley Transportation Plan?

Yes - Please reference project/page #: **Page 182, #43; Page 199, first row**

No - If no, please state the project's purpose and need.

If no, why is it more important for the region to pursue this project now rather than other projects in the Plan?

2. Is this project in the Roanoke Urbanized Area (RVTPO Service Area)? No Yes
 If so, which organization are you requesting to submit the application? RVTPO RVARC

3. Is this project in the Rural portion of the Roanoke Valley-Alleghany Region? No Yes

4. In what way does this project serve a Corridor of Statewide Significance or Regional Network?
 Please identify reference from VTrans2040 Needs Assessment
<https://icfbometrics.blob.core.windows.net/vtrans/assets/docs/VTrans2040-Needs-Assessment.pdf>.

S.3, S.11

5. Is this project in the RVARC's Regional Comprehensive Economic Development Strategy (CEDS)? **Yes**

If yes, list page #. **65, Row 2**

If no, please state project's purpose & need.

If no, why is it more important for the region to pursue this project now rather than other projects in the CEDS?

6. Has this project been submitted for previous rounds of SMART SCALE? If so, which round(s)?
Yes, Round 2 which was successful.

7. Has this project had funds previously committed to it (STBG, TA, Local funds, Other)?
Yes, Phases 1 and 2 have had STBG, Revenue Sharing and SMART SCALE funding committed in the past.

8. Is it anticipated that new or additional funds will be committed by the sponsor organization or requested from the RVTPO?
STBG funds for Phase 3 were requested in September 2021.

9. For locality applicants only, is this project listed as a priority in the comprehensive plan?

Yes - Please reference project/page #: Glenvar Community Plan, page 8-12

No - If no, please state the project's purpose and need.

If no, why is it more important for the region to pursue this project now rather than other projects in the Plan?

Candidate Project Request Form for RVARC and RVTPO SMART SCALE Applications

Upload the completed Project Request Form through this link:

<https://rvarc.sharefile.com/r-rb049008770d348cfba89439732b134a7>

Form to be submitted no later than Tuesday, November 30, 2021

Date Submitted: **November 30, 2021**

Submitter's Name: **Megan Cronise**

Organization: **Roanoke County**

Submitter's Email and Phone #: **mcronise@roanokecountyva.gov, (540)772-2106**

Project Title: **UPC 113947 Pedestrian Improvements on Williamson Road**

Project Description:

UPC 113947, Pedestrian Improvements on Williamson Road (Route 11) from North Roanoke Assisted Living to Clubhouse Drive; currently a VDOT HSIP project under design with a funding deficit.

Project Cost Estimate: **Unknown at this time**

1. Is this project in the Roanoke Valley Transportation Plan?

Yes - Please reference project/page #: **Page 185, #A1-13 and A4-11**

No - If no, please state the project's purpose and need.

If no, why is it more important for the region to pursue this project now rather than other projects in the Plan?

2. Is this project in the Roanoke Urbanized Area (RVTPO Service Area)? No Yes
If so, which organization are you requesting to submit the application? RVTPO RVARC

3. Is this project in the Rural portion of the Roanoke Valley-Alleghany Region? No Yes

4. In what way does this project serve a Corridor of Statewide Significance or Regional Network?
Please identify reference from VTrans2040 Needs Assessment
(<https://icfbometrics.blob.core.windows.net/vtrans/assets/docs/VTrans2040-Needs-Assessment.pdf>).

S.3, S.11

5. Is this project in the RVARC's Regional Comprehensive Economic Development Strategy (CEDS)? **Yes**

If yes, list page #: **64, last row**

If no, please state project's purpose & need.

If no, why is it more important for the region to pursue this project now rather than other projects in the CEDS?

6. Has this project been submitted for previous rounds of SMART SCALE? If so, which round(s)?

No

7. Has this project had funds previously committed to it (STBG, TA, Local funds, Other)?

Yes, the project is currently partially funded through HSIP.

8. Is it anticipated that new or additional funds will be committed by the sponsor organization or requested from the RVTPO?

Not at this time

9. For locality applicants only, is this project listed as a priority in the comprehensive plan?

Yes - Please reference project/page #: Hollins Center Plan, pages 2-23 through 2-26

No - If no, please state the project's purpose and need.

If no, why is it more important for the region to pursue this project now rather than other projects in the Plan?

Candidate Project Request Form for RVARC and RVTPO SMART SCALE Applications

Upload the completed Project Request Form through this link:

<https://rvarc.sharefile.com/r-rb049008770d348cfba89439732b134a7>

Form to be submitted no later than Tuesday, November 30, 2021

Date Submitted: **November 30, 2021**

Submitter's Name: **Megan Cronise**

Organization: **Roanoke County**

Submitter's Email and Phone #: **mcronise@roanokecountyva.gov, (540)772-2106**

Project Title: **U.S. Route 11/460 at Dow Hollow Road Intersection Improvements**

Project Description:

U.S. Route 11/460 at Dow Hollow Road Intersection Improvements based upon the VDOT study currently underway.

Project Cost Estimate: **Unknown at this time**

1. Is this project in the Roanoke Valley Transportation Plan?

Yes - Please reference project/page #: **Page 194, Row 3; Page 199, Row 4**

No - If no, please state the project's purpose and need.

If no, why is it more important for the region to pursue this project now rather than other projects in the Plan?

2. Is this project in the Roanoke Urbanized Area (RVTPO Service Area)? No Yes
If so, which organization are you requesting to submit the application? RVTPO RVARC

3. Is this project in the Rural portion of the Roanoke Valley-Alleghany Region? No Yes

4. In what way does this project serve a Corridor of Statewide Significance or Regional Network?
Please identify reference from VTrans2040 Needs Assessment
(<https://icfbimetrics.blob.core.windows.net/vtrans/assets/docs/VTrans2040-Needs-Assessment.pdf>).

S.1, S.2, S.9, S.11

5. Is this project in the RVARC's Regional Comprehensive Economic Development Strategy (CEDS)? **Yes**

If yes, list page #. **65, Row 2**

If no, please state project's purpose & need.

If no, why is it more important for the region to pursue this project now rather than other projects in the CEDS?

6. Has this project been submitted for previous rounds of SMART SCALE? If so, which round(s)?

No

7. Has this project had funds previously committed to it (STBG, TA, Local funds, Other)?

No

8. Is it anticipated that new or additional funds will be committed by the sponsor organization or requested from the RVTPO?

Not at this time

9. For locality applicants only, is this project listed as a priority in the comprehensive plan?

Yes - Please reference project/page #: Glenvar Community Plan, page 8-13; Route 11/460 Corridor Study, page 67

No - If no, please state the project's purpose and need.

If no, why is it more important for the region to pursue this project now rather than other projects in the Plan?

Candidate Project Request Form for RVARC and RVTPO SMART SCALE Applications

Upload the completed Project Request Form through this link:

<https://rvarc.sharefile.com/r-rb049008770d348cfba89439732b134a7>

Form to be submitted no later than Tuesday, November 30, 2021

Date Submitted: **November 30, 2021**

Submitter's Name: **Megan Cronise**

Organization: **Roanoke County**

Submitter's Email and Phone #: **mcronise@roanokecountyva.gov, (540)772-2106**

Project Title: **Route 419 Intersections/Projects (one or more) between Bower Road and Apperson Drive**

Project Description:

One or more projects identified through the OIPI Route 419 (Electric Road) Study from Route 11 (Apperson Drive) to Bower Road, currently underway.

Project Cost Estimate: **Unknown at this time**

1. Is this project in the Roanoke Valley Transportation Plan?

Yes - Please reference project/page #: **Page 200, Full Row 1; Page 197, Row 3**

No - If no, please state the project's purpose and need.

If no, why is it more important for the region to pursue this project now rather than other projects in the Plan?

2. Is this project in the Roanoke Urbanized Area (RVTPO Service Area)? No Yes
If so, which organization are you requesting to submit the application? RVTPO RVARC

3. Is this project in the Rural portion of the Roanoke Valley-Alleghany Region? No Yes

4. In what way does this project serve a Corridor of Statewide Significance or Regional Network?
Please identify reference from VTrans2040 Needs Assessment
(<https://icfbometrics.blob.core.windows.net/vtrans/assets/docs/VTrans2040-Needs-Assessment.pdf>).

S.1, S.2, S.3, S.11, S.17

5. Is this project in the RVARC's Regional Comprehensive Economic Development Strategy (CEDS)? **Yes**

If yes, list page #: **65, Row 1**

If no, please state project's purpose & need.

If no, why is it more important for the region to pursue this project now rather than other projects in the CEDS?

6. Has this project been submitted for previous rounds of SMART SCALE? If so, which round(s)?

No

7. Has this project had funds previously committed to it (STBG, TA, Local funds, Other)?

Overlapping/intersecting projects have had funds previously committed from various sources.

8. Is it anticipated that new or additional funds will be committed by the sponsor organization or requested from the RVTPO?

STBG funds for leverage in SMART SCALE Round 5 were requested in September 2021.

9. For locality applicants only, is this project listed as a priority in the comprehensive plan?

Yes - Please reference project/page #: Oak Grove Center Plan, page 5-7 and 5-8

No - If no, please state the project's purpose and need.

If no, why is it more important for the region to pursue this project now rather than other projects in the Plan?

Candidate Project Request Form for RVARC and RVTPO SMART SCALE Applications

Upload the completed Project Request Form through this link:

<https://rvarc.sharefile.com/r-rb049008770d348cfba89439732b134a7>

Form to be submitted no later than Tuesday, November 30, 2021

Date Submitted: **November 30, 2021**

Submitter's Name: **Megan Cronise**

Organization: **Roanoke County**

Submitter's Email and Phone #: **mcronise@roanokecountyva.gov, (540)772-2106**

Project Title: **UPC 117212 Pedestrian Crossing Improvements on Route 419 and at Plantation/Hershberger Intersections**

Project Description:

UPC 117212, Pedestrian Crossing Improvements on Route 419 and at Plantation/Hershberger Intersections; currently a VDOT HSIP project under design with a funding deficit.

Project Cost Estimate: **Unknown at this time**

1. Is this project in the Roanoke Valley Transportation Plan?

Yes - Please reference project/page #: **Page 179, #A4-45; Page 193, last row**

No - If no, please state the project's purpose and need.

If no, why is it more important for the region to pursue this project now rather than other projects in the Plan?

2. Is this project in the Roanoke Urbanized Area (RVTPO Service Area)? No Yes
If so, which organization are you requesting to submit the application? RVTPO RVARC

3. Is this project in the Rural portion of the Roanoke Valley-Alleghany Region? No Yes

4. In what way does this project serve a Corridor of Statewide Significance or Regional Network?
Please identify reference from VTrans2040 Needs Assessment
(<https://icfbometrics.blob.core.windows.net/vtrans/assets/docs/VTrans2040-Needs-Assessment.pdf>).

S.3

5. Is this project in the RVARC's Regional Comprehensive Economic Development Strategy (CEDS)? **Yes**

If yes, list page #. **65, Row 1**

If no, please state project's purpose & need.

If no, why is it more important for the region to pursue this project now rather than other projects in the CEDS?

6. Has this project been submitted for previous rounds of SMART SCALE? If so, which round(s)?

No

7. Has this project had funds previously committed to it (STBG, TA, Local funds, Other)?

Yes, the project is currently partially funded through HSIP.

8. Is it anticipated that new or additional funds will be committed by the sponsor organization or requested from the RVTPO?

Not at this time

9. For locality applicants only, is this project listed as a priority in the comprehensive plan?

Yes - Please reference project/page #: Oak Grove Center Plan, pages 5-7 and 5-8

No - If no, please state the project's purpose and need.

If no, why is it more important for the region to pursue this project now rather than other projects in the Plan?

STAFF REPORT
TTC Meeting December 9, 2021

SUBJ: Development of the FY23-28/29 Surface Transportation Block Grant (STBG)
 Financial Plan: Status of Current STBG Projects and
 Recommendation on Requests for Additional Funding

As part of the development of the FY23-28/29 STBG Financial Plan, the status of currently funded STBG projects is provided in Table 1. Two requests for additional STBG funding to cover project cost overruns are noted in Table 2.

Table 1: Status of Currently-Funded STBG Projects

Current STBG-funded Project	Updates	Construction Ad date	Construction end date
Roanoke River Greenway - Greenhill Park (Roanoke County) to Riverside Park (Salem)	The project team is evaluating the right-of-way near New Millennium for a safety barrier requested by the plant manager. Hurt & Proffitt will design the barrier.	2/1/2022 (contingent on RW being obtained)	2023
Roanoke River Greenway - Eddy Avenue Bridge (Salem); Administered by City of Salem	This project is complete.	--	--
Roanoke River Greenway - City of Salem line to Bridge Street	Right-of-way acquisition has been resolved with Walker Foundry. Construction will begin on the final phase within three months (winter 2021/22) and is expected to last 18 months (summer 2023).	10/1/2021	6/1/2023
Roanoke River Greenway - Water Pollution Control Plant to the Blue Ridge Parkway; UPC 91191	Due to right-of-way issues, the project scope has been reduced and Roanoke County has requested an extension of TA funds until 2024. Waiting for VDOT to provide revised Appendix A. The County will continue coordinating with AEP on permitting and right-of-way.	2023 (may begin in 2022 if environmental permits and RW are obtained)	2024
Plantation Road, Bicycle, Pedestrian and Streetscape Improvement Project	This project is complete.	--	--

Current STBG-funded Project	Updates	Construction Ad date	Construction end date
Tinker Creek Trail Extension	This project has been broken into three phases. A new design consultant will work on the next two phases. Within the next three months, construction bids for the first phase will be advertised and a design professional to complete the remaining two phases will be advertised. Additional funding request of \$1,589,254 is needed to address cost increases due to supply chain limitations along with increases in building materials and labor rates since the start of the grant.	12/1/2021	6/1/2023
Bus Replacement and Rebuild Program; administered by Valley Metro	Valley Metro plans to purchase three clean diesel buses and three all-electric buses by January 2022. In FY 23, Valley Metro plans to purchase four replacement over-the-road coaches for the Smart Way commuter service.	--	--
Garden City Trail Connection	This project is complete.	--	--
Walnut Avenue Bicycle and Pedestrian Accommodations (5th Street to City/Town limit)	90% design plans completed. RFP for CEI was advertised on October 22, 2021. The construction bid will be advertised by March 2022, and construction will start no later than December 2022.	1/28/2022	12/30/2022
Route 419/U.S. 220 Diverging Diamond Interchange	A public hearing was held in June 2021, and design approval was granted in August 2021. A constructability review will be ready in February 2022. At this point, the project is expected to be advertised ahead of schedule.	2/13/2024	3/11/2027
Roanoke River Greenway Bridge across Barnhardt Creek	This project is complete.	--	--
Roanoke River Greenway through Explore Park	The Archeological/Cultural Report and Scoping have been completed. 50% plans are being developed.	2023-2024 (May begin in 2022 if environmental permits are secured, no RW phase.)	2023-2024

Current STBG-funded Project	Updates	Construction Ad date	Construction end date
Walnut Avenue Bicycle and Pedestrian Accommodations (W. Lee Avenue to 1st Street)	50% design plans completed and environmental phase and willingness notice to hold a public hearing posted. The right-of-way phase will be completed within the next three months. Construction bid specifications will be completed afterward.	12/16/2022	9/28/2023
Route 220 at International Parkway Improvements	A consultant has been acquired and is working towards 50% plans completion.	9/14/2027	9/14/2029
Starkey Road/Buck Mountain Road Intersection Improvements	50% plans submitted to VDOT, NEPA document approved. The right-of-way acquisition process is being finalized, and the utility relocation process will begin in January 2022. The project design will be finalized in Summer 2022.	12/13/2022	12/29/2023
Elizabeth Greenway	Submitted 30% plan to VDOT and received comments. Design consultant, Mattern & Craig, is working on 60% VDOT submittal. The City of Salem will discuss easement with Roanoke College and one other landowner within the next three months.	4/25/2024	10/1/2025
I-581 Exit 2 Interchange Study	Final document complete. VDOT and consultant continue to work with localities to refine project recommendations in anticipation of application(s) to be submitted for SMART SCALE Round 5 in the Spring-Summer of 2022.	N/A	N/A
New Downtown Transit Transfer Center – Real-Time Transit Passenger Information Project (RTPI) Project	Valley Metro’s construction firm (MB Construction) was given the official Notice to Proceed on September 21, 2021. Construction activities on the new site began on September 21, 2021. To date, all construction related activities are on schedule with minimal site related issues discovered. Construction is scheduled to be completed in the summer of 2023. Valley Metro staff have begun the necessary preparations regarding the service relocation to the new site. Service relocation is expected to be completed by January 2022.	Underway	Summer 2023

Current STBG-funded Project	Updates	Construction Ad date	Construction end date
Route 220 Superstreet and Access Management	Staff have worked with VDOT to determine methods to improve the project scoring in SMART SCALE. Staff will continue to coordinate with VDOT to decide next steps which may include project phasing.	TBD	TBD
Orange Market Park and Ride/Parking Lot Improvements	This project will complement the Route 419/311 Roundabout which will be advertised for construction on December 21, 2021. Roundabout construction is anticipated to begin in April 2022 with completion expected by the end of November 2022. An additional request of \$892,526 is needed to address items cut from the Route 419/311 Roundabout project as well as costs to bid and construct this project separately from the roundabout. The projects cannot be built together as originally planned.	7/1/2024	12/31/2024
Route 419 Streetscape Improvements, Phase 2 (Starkey Rd. to Ogden Rd.)	This project was awarded funding in SMART SCALE Round 4. VDOT is procuring a consultant for the project. PE is anticipated to begin in July 2022.	1/2027	9/2028
Roanoke River Greenway – East (PE & RW)	Waiting on VDOT agreement to begin PE. Concept/Study work done to date has been done by the City.	N/A – PE/ RW only	N/A – PE/ RW only
Aviation Drive/Valley View Blvd. Pedestrian Improvements	Not yet started - will sign VDOT agreement in Spring 2022.	CN Start per SYIP – 1/10/28	1/11/2029 per SYIP
Valleypointe Parkway Realignment	This project was awarded funding in SMART SCALE Round 4. VDOT is administering this project and PE is anticipated to begin in July 2023.	9/2025	9/2026
Gus Nicks Blvd. Pedestrian/Bicycle Crossing	Project agreement in place, PE and CEI RFP submitted to VDOT - Salem District for review. RFP for PE and CEI will be posted within the next three months.	12/15/2022	9/28/2023
Greenway Connection – Riverland Road	VDOT agreement has been executed. Schematic drawings are complete. The RFP for design services will be advertised in December 2021/January 2022.	CN start per SYIP – 10/2/24	10/6/25 Per SYIP

Current STBG-funded Project	Updates	Construction Ad date	Construction end date
Oak Grove Streetscape Improvements - Crosswalk	Pedestrian plans for the intersection are being finalized. VDOT will begin construction in Spring 2022.	Not given	8/1/2022
Route 460 (Orange Ave) Improvements near Blue Hills Drive	This project was awarded funding in SMART SCALE Round 4. Consultant working on design. Staff is working with a private developer to incorporate changes to the scope based on new development's anticipated traffic impacts.	Summer 2022	Not given
Route 460 (Orange Ave) Improvements at King Street	Same as Blue Hills project above.	Summer 2022 per City CN start per SYIP 5/12/26	5/14/27 per SYIP
Route 460 at West Ruritan Road Intersection Improvements	This project was awarded funding in SMART SCALE Round 4. VDOT is procuring a consultant. PE is anticipated to begin in July 2022.	5/2026	5/2027
Route 460 Intersections from Carson Road to Huntridge Road	This project was awarded funding in SMART SCALE Round 4. VDOT is procuring a consultant. PE is anticipated to begin in July 2022.	5/2026	5/2027

Table 2. – Summary of Project Cost Adjustment Requests by Project

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

An estimated \$7,056,913 will be available in the FY23-28 period. Per STBG Policy #7, additional funding requests for existing STBG projects are to be considered prior to consideration of new project allocations. Prior to any Board action, a public comment period and hearing would take place.

TTC Action:

Recommendation to the RVTPO Policy Board regarding the two requests for additional STBG funding.

STAFF REPORT

TTC Meeting December 9, 2021

**SUBJ: Development of the FY23-28 Surface Transportation Block Grant (STBG)
 Financial Plan: Prioritization of New Candidate Projects**

In September 2021, the RVTPO received 12 applications to be considered in the continuous development of the Surface Transportation Block Grant (STBG) Financial Plan. General information about the requests are provided in Tables 1 and 2.

Table 1. - Number of New STBG Applications by Eligible Applicant

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

Table 2. - Funding Request by Project Type

# 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

RVARC staff shared the new candidate project applications and scoring sheet with TTC members in October. TTC members were asked to rank the projects from 12 (best) to 1 (least). The scoring criteria were as follows:

- 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

Criteria A was worth double the score for a maximum 24 points.

Eleven of 16 members provided scores, and the results are provided in Table 3. The **green** highlights the greatest score in each category. The table also notes:

- the project phase(s) for which the funding is being requested (if specified),
- if the request is for committed or conditionally committed funding and related,
- if the funding is intended to be used as leverage to secure the remaining funds needed to construct the project
- the inclusion of the project in the Roanoke Valley Transportation Plan, as last amended in September 2021, and
- if the project was identified as one of the top 10 regional priorities.

Table 3: Summary of STBG Round 5 Candidate Project Applications and Relationship to the Roanoke Valley Transportation Plan (RVTP)

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
110.8	I-581/U.S. 460-Williamson Road Interchange	\$2,000,000	Unknown	Funded	Unfunded	Unfunded	Unfunded	Yes	Conditional	Yes, Vision p.191	Yes	22.5	10.4	9.4	9.4	6.2	10.8	9.9	8.4	8.6	6.7	5.6	2.9
109.6	Route 460 at Alternate Route 220 Intersection Improvements	\$5,000,000	\$21,796,984	Funded	Unfunded	Unfunded	Unfunded	Yes	Conditional	Yes, Vision p. 198 (\$21,500,000)	Yes	20.4	9.4	9.0	8.6	6.5	9.5	7.9	7.3	8.9	4.3	9.4	8.5
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
98.3	Orange Ave and Williamson Rd Intersection Improvement	\$5,000,000	\$7,669,270	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
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	17.8	9.2	8.1	7.2	5.5	7.7	7.8	7.1	5.9	6.7	6.9	7.6
83.2	Roanoke River Greenway – East (Construction only)	\$7,618,754	\$8,537,254	Funded	Funded	Funded	Full Funding Request	No	Committed	Yes, Constrained p. 172 (\$9,124,870)	Yes	12.7	4.5	4.1	4.8	9.2	3.9	4.4	5.6	8.5	6.9	7.8	10.7
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	6.4	5.4	6.6	4.2	9.0
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. 199 (\$100,000)	No	11.3	5.7	5.0	5.2	5.1	5.4	6.7	5.4	5.8	8.2	4.7	7.5
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 (\$2,700,000)	No	7.5	4.6	5.6	6.2	6.8	5.8	4.9	5.4	4.7	7.2	8.7	7.5
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	10.5	3.4	3.3	3.9	9.3	3.5	4.8	5.0	8.0	6.1	6.6	6.7
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	4.2	4.1	5.0	5.4	7.6	4.1	4.6	6.0	5.4	7.4	5.7	4.7
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	2.9	2.5	5.2	3.8	5.4	2.6	2.5	5.1	3.2	5.2	5.5	4.7

Members are asked to review the information provided and recommend a priority list of investments. In January, the TTC will recommend a draft STBG financial plan which will be shared with the Policy Board and released for public comment. In March, the annual funding availability will be updated to reflect current financial forecasts, and the final FY23-28/29 Financial Plan will be shared with the TTC for recommendation to the Board. The Board will take action in March in order to include the allocations in the draft Six-Year Improvement Program.

Although yearly funds may increase/decrease, it is anticipated that approximately \$7 million will be available for allocation as follows:

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

If the previous meeting action item regarding current project overruns is recommended, the anticipated total for FY23-28 would be \$4,575,133; with Year 7 (FY29), the anticipated total available would be \$9,866,346.

TTC Action:

Recommend a priority list of new project investments to the Policy Board.