

November 3, 2022

**MEMORANDUM**

TO: Members, Transportation Technical Committee  
 FROM: Cristina Finch, AICP, LEED AP, Secretary to the Transportation Technical Committee  
 SUBJ: November 10, 2022 TTC Meeting/Agenda

The November meeting of the Transportation Technical Committee (TTC) will be held Thursday, November 10, 2022 at 1:30 p.m. at the Roanoke Valley-Alleghany Regional Commission office (Top Floor Conference Room), 313 Luck Avenue, SW, Roanoke, VA.

**TTC AGENDA**

1. Welcome, Call to Order ..... *Chair Sexton*
2. Roll Call (including consideration of remote participation) ..... *Chair Sexton*
3. **Action Requested:** Approval of the Consent Agenda items: ..... *Chair Sexton*
  - A. Approval of the Agenda
  - B. Action on the October 13, 2022 TTC Minutes, pp. 2 – 19
4. Chair’s Remarks ..... *Chair Sexton*
5. Draft Roanoke Valley Transportation Plan – 2045 Update ..... *Cristina Finch*
  - A. Draft Project Prioritization Methodology to Meet ..... *David Jackson, Cambridge Systematics*  
 Fiscal Constraint
  - B. Draft Amendment/Adjustment Process ..... *Bryan Hill*
6. Other Business
7. Comments by TTC Members and/or Citizens
8. 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 October meeting of the Transportation Technical Committee was held on Thursday, October 13, 2022 at 1:30 p.m. at the Roanoke Valley-Alleghany Regional Commission, 313 Luck Avenue, SW, Roanoke, VA.

### 1. WELCOME, CALL TO ORDER

Chair Sexton called the meeting to order at 1:30 p.m.

### 2. ROLL CALL (including consideration of remote participation)

Cristina Finch, Secretary to the TTC, called the roll and stated a quorum was present.

#### VOTING MEMBERS PRESENT

Mariel Fowler	County of Bedford
Jonathan McCoy	County of Botetourt
Megan Cronise ( <i>via zoom</i> )	County of Roanoke
Will Crawford	County of Roanoke
Wayne Leftwich	City of Roanoke
Dwayne D'Ardenne ( <i>via zoom</i> )	City of Roanoke
Josh Pratt ( <i>Alt. for Crystal Williams</i> )	City of Salem
Anita McMillan	Town of Vinton
Cody Sexton, <i>Chair</i>	Town of Vinton
William Long	Greater Roanoke Transit Company
Kyle Kotchou	Roanoke-Blacksburg Regional Airport
Frank Maguire, <i>Vice Chair</i>	Roanoke Valley Greenway Commission
Michael Gray	Virginia Dept. of Transportation - Salem District
Daniel Wagner ( <i>via zoom</i> )	Virginia Dept. of Rail and Public Transportation

#### VOTING MEMBERS ABSENT

David Givens	County of Botetourt
Dan Brugh	County of Montgomery
Chuck Van Allman	City of Salem
Nathan Sanford	Unified Human Serv. Transp. System (RADAR)

#### NON-VOTING MEMBERS ABSENT

Kevin Jones	Federal Highway Administration
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**RVARC Staff Present:** Cristina Finch, Bryan Hill, Alison Stinnette, Jonathan Stanton, Elizabeth Elmore, Jeremy Holmes, and Virginia Mullen.

**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

**Others Present:** David Jackson (via zoom), Cambridge Systematics.

**3. ACTION REQUESTED: APPROVAL OF CONSENT AGENDA ITEMS**

The following consent agenda items were distributed earlier:

- A. October 13, 2022 TTC Meeting Agenda
- B. September 8, 2022 TTC Minutes

**Motion:** by Wayne Leftwich to approve items (A) & (B), under the consent agenda, as presented; seconded by Dwayne D'Ardenne.

**TTC Action:** Motion carried unanimously.

**4. CHAIR REMARKS**

No remarks were made.

**5. REVIEW OF 2ND DRAFT ROANOKE VALLEY TRANSPORTATION PLAN UPDATE**

Mr. David Jackson with Cambridge Systematics was unable to attend. Cristina Finch presented an update on the 2nd Draft Roanoke Valley Transportation Plan. (The PowerPoint presentation is included with the Minutes).

Members discussed the possibility of adding a lead agency for priority needs. Ms. Cronise explained that the challenge with listing eighteen pages of priority needs is that in reality the Board could request to apply for things that are not on the list. Ms. Finch explained that if a new need (not on the list) arises it would be addressed with the amendment process.

Ms. Finch noted that Ms. Cronise submitted a list of needs to be removed from the list according to Roanoke County's perspective. Ms. Finch asked if there are other needs that could come off the list. Ms. Cronise commented that there are also a lot of needs to be addressed from the Roanoke County's Comprehensive Plan that are not on this list. Ms. Finch replied that it would be helpful if there are ongoing conversations with localities to find out about what is happening to keep the plan and its implementation going.

Ms. Finch stated that the transit access needs would be removed as suggested by Roanoke County except for two (the DMV and Peters Creek/Hollins) that Valley Metro wished to keep.

Mr. Wayne Leftwich commented that the title of the document "Regional Transportation Priority Needs to Address" implies that the needs have to absolutely be addressed. Mr. Leftwich suggested changing the title to "Regional Transportation Needs Identified." Mr. Leftwich also suggested changing the location of the document to be more down toward the bottom and not in the middle as currently is on the website.

Ms. Finch shared on the screen a list of stakeholders to engage in the public comment opportunity and asked if there are any other suggestions of stakeholders to be added to the list. The following groups were suggested: planning commissions; county or town

neighborhood groups; Vinton Messenger and other local papers; various chambers; Valley Metro Board; Roanoke-Blacksburg Regional Airport commissioners; public schools.

6. **OTHER BUSINESS**

No other business was discussed.

7. **COMMENTS BY MEMBERS AND / OR CITIZENS**

Mr. Gray announced there will be no fall CTB meeting.

8. **ADJOURNMENT**

The meeting was adjourned at 2:48 p.m.

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



# Roanoke Valley Transportation Plan (RVTP) Update

RVTP Review

*presented to*  
*Transportation Technical Committee*

*presented by*  
*RVTPO, Cambridge Systematics, Inc.*

CAMBRIDGE SYSTEMATICS 

1



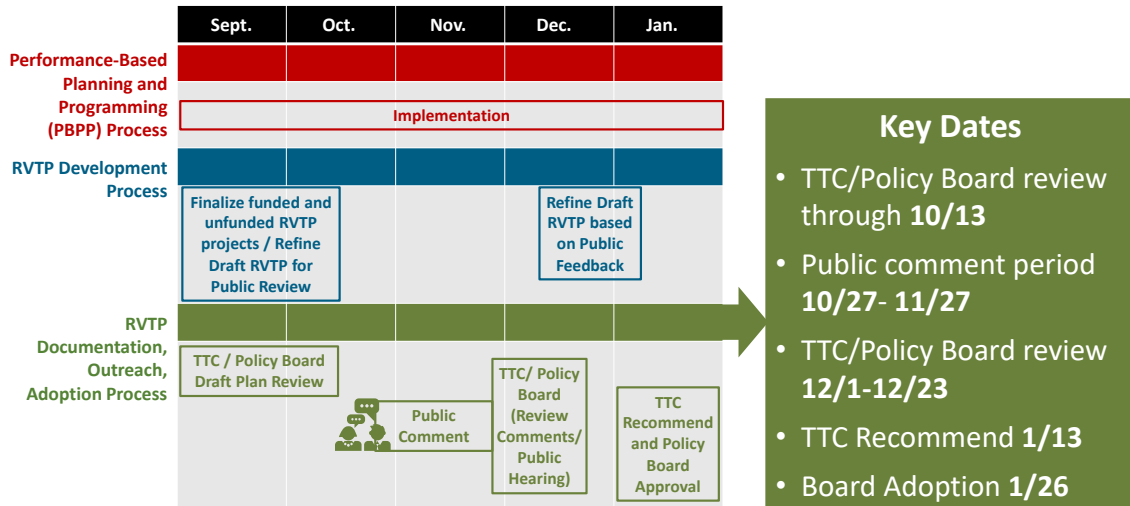
## Agenda

- RVTP Schedule
  - Public Comment period
- RVTP Organization
- RVTP Updates (since Sept. meeting)
- Next steps

2



# RVTP Schedule



3



# Public Comment Approach

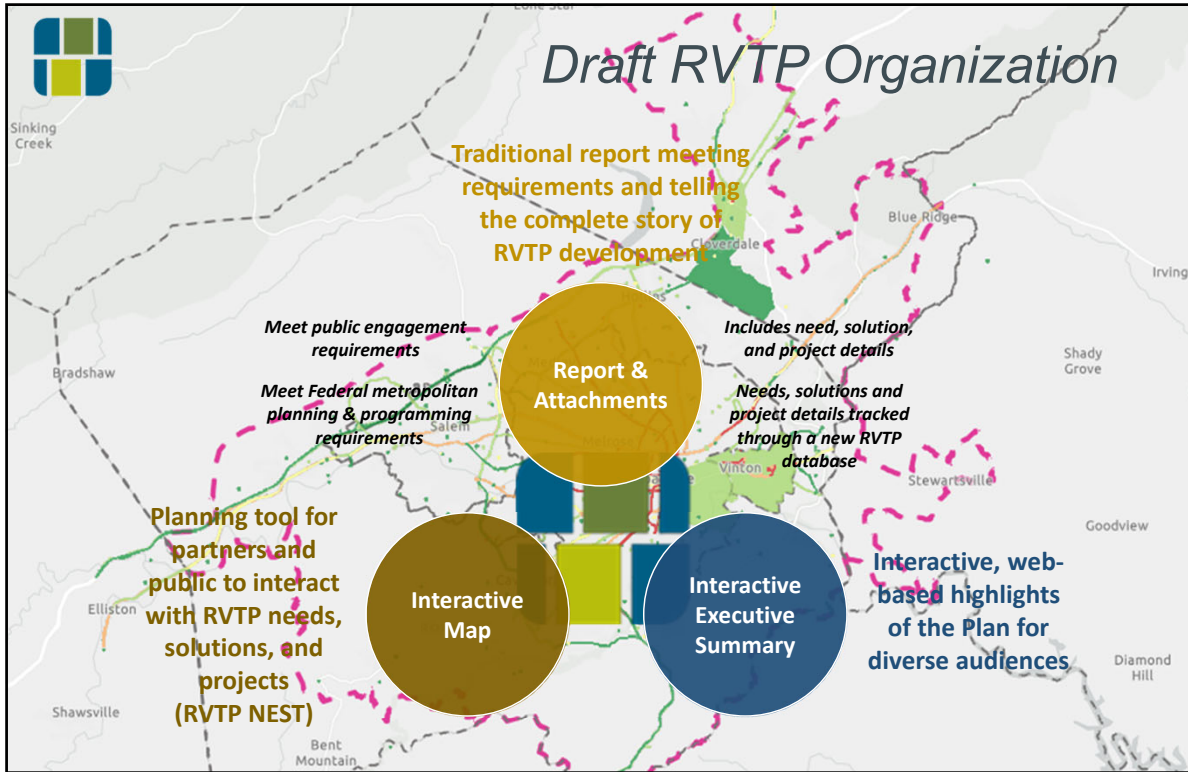


**Public comment period**

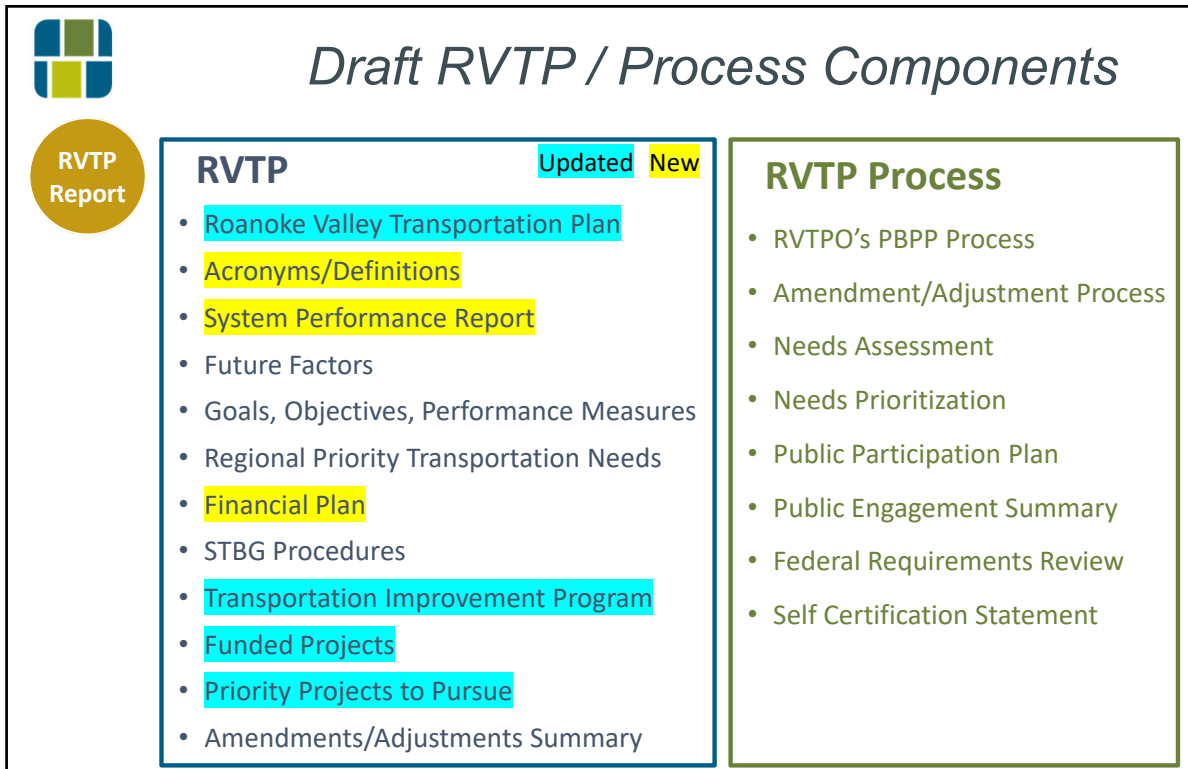
## Public Comment

- One month
- Advertised in many ways
- Developing interactive surveys
  - Overall satisfaction with past investments** –performance of funded projects
  - Opportunity for input on future direction** – prioritization of specific needs and projects

4



5



6



# Draft RVTP



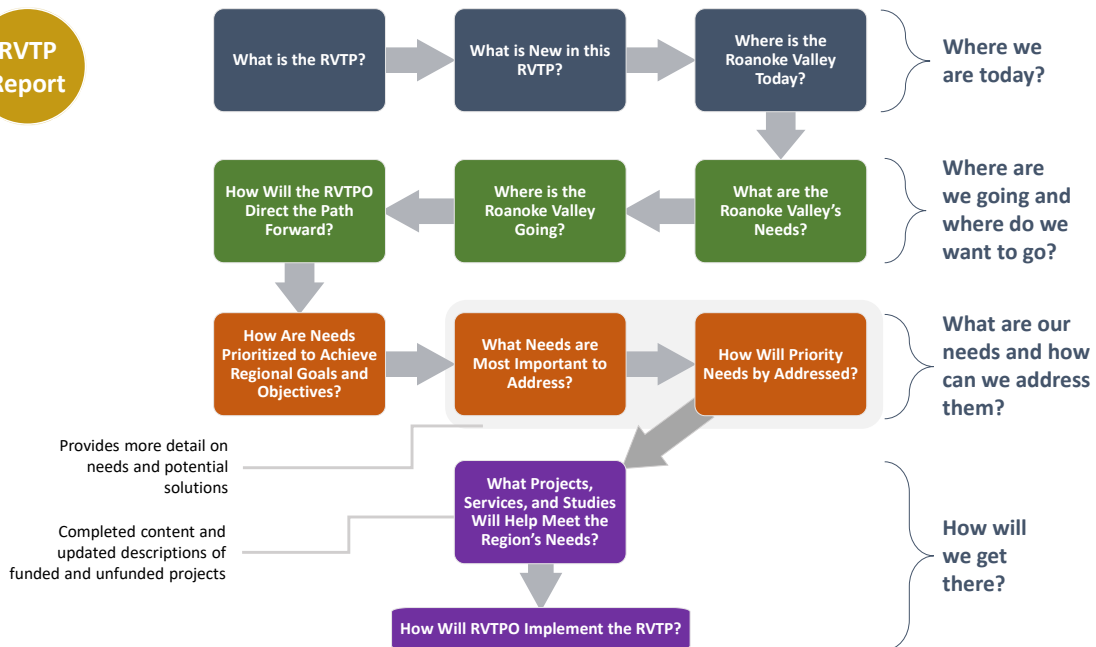
• **Objective** – Document the RVTP development process and the key outcomes, including funded and unfunded projects and services

- Address and reference applicable Federal and State requirements
- Includes fiscally constrained funded and unfunded projects
- Highlights the role of Roanoke valley residents and stakeholders in shaping the Plan
- Link to state and regional planning and programming processes
- Create a framework for Plan implementation, including positioning unfunded projects to secure future funding
- Provide access to technical appendices documenting the process, including funded project sheets

7



# Draft RVTP



8





## *New Content*

### • **Acronyms/Definitions**

- General Definitions
  - Terms relevant to metropolitan planning, including key relevant Federal and State requirements, processes, or programs
- Planning & Programming Definitions
  - Technical terms related to the performance-based planning and programming (PBPP) process and management/characteristics of funded and unfunded projects
- Funding Sources
  - Definitions of funding sources supporting funded projects

Flexible to update as questions/feedback on the RVTP is received now through adoption, and as the RVTP is managed and implemented

9



## *New Content*

### • **System Performance Report**

- Exceeds Federal requirements
- Organized by RVTP goals
- Presents each Federal measure including statewide and regional performance trends and targets
- Presents summary information on needs and projects within the RVTP relevant to the goal and performance measure
- Highlights goals where performance measures are under development
- Aligns funded and unfunded projects to RVTP goals

10



## *New Content*

### **System Performance Report**

Federal performance measure summary for the Roanoke Valley

#### **Highway safety (all public roads)–**

- Fatalities steady since 2017, with an average of 21-22 per year

#### **Bridge condition (National Highway System bridges) –**

- Good condition decreasing since 2017 down to 10.6%
- Poor condition bridges remain steady around 2.3 to 2.5%

#### **Pavement condition (National Highway System pavement) –**

- Less than 0.1% of pavement is in poor condition since 2019
- Interstate pavement improving since 2017 up to 53.0% good in 2021
- Non-Interstate NHS pavement condition steady around 43% good

#### **Reliability (National Highway System travel) –**

- Over 95% of regional person miles traveled in reliable conditions
- Reliable Interstate travel for trucks decreasing (increasing TTTR Index)

11



## *New Content*

### **• Financial Plan**

- Required part of the RVTP
- Demonstrates how the adopted RVTP can be implemented given fiscal constraint based on reasonably expected available resources
- Approved expenses from the program of projects in the RVTP's **Funded Project Attachment and Priority Projects to Pursue Attachment**

12



# New Content

## • Financial Plan

### • RVTP structure

• **Funded - Road/Bike/Ped/Rail/Transit:** 128 Projects (~\$1.5B)

### • **Unfunded - priorities to pursue**

- Road/Bike/Ped Projects (SS Round 5): 19 Projects (> \$314M)
- Road/Bike/Ped Projects (Other funding): 19 Projects (> \$451M)
- Transit Services – Some noted as possible/preferred solutions, No New Services Prioritized for Funding Pursuit
- Studies – Referenced as next step in process by need

> \$765M

### • Draft Fiscal Constraint FY28-45

- Road/Bike/Pedestrian Projects: \$460M
- Transit Services/Projects: \$232M

\$460M  
\$232M

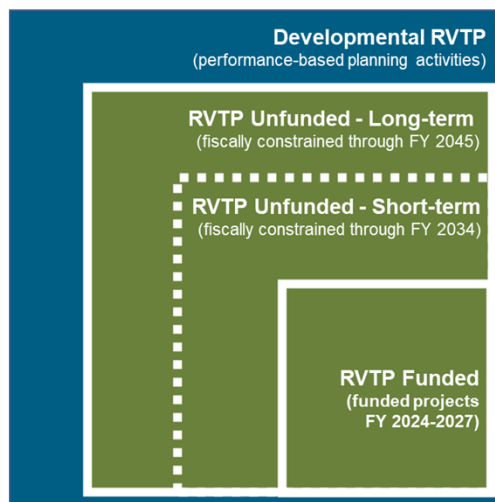
Fiscal constraint does not yet incorporate impacts of BIL

13



# Updated RVTP

## From Planning to Programming



### Performance based planning process

Priority regional transportation needs and other regional needs requiring further study and project development activities prior to developing priority projects to pursue.

### Priority projects to pursue (Unfunded)

Projects with defined scopes and cost estimates developed through recent or ongoing planning and project development activities that address one or more priority regional transportation need(s).

### Priority projects to pursue (Funded)

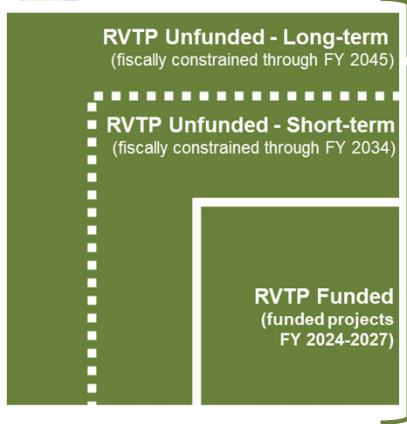
Projects with defined scopes and cost estimates developed through recent or ongoing planning and project development activities that address one or more priority regional transportation need(s).

**Six-Year Improvement Program (SYIP) and RVTPO 24-27 TIP** – All funding obligations are tracked in the Six-Year Improvement Program (SYIP), while Federal funds coming to projects in the RVTPO region are tracked in the TIP

14



## Updated RVTP



### • Metropolitan Transportation Plan

- Fiscal constraint based on state forecasts of reasonably expected funding through 2045
- **Current forecasts do not include short and long-term impacts of Bipartisan Infrastructure Law**
- Forecasts split into three groups
  - **RVTP Funded:**  
Planned obligations through FY2027
  - **RVTP Unfunded (short-term):**  
Anticipated allocations from FY2028 to FY2034
  - **RVTP Unfunded (long-term):**  
Anticipated allocations from FY2035 to FY2045

**Note –**

*Financial Plan details remain in-flux pending updated forecasts. Updated forecasts may change determination of fiscal constraint (i.e., inclusion of RVTP Unfunded projects within the MTP).*

15



## Updated RVTP



### • Federally eligible projects and services

- **TIP Attachment** includes planned federal obligations for funded projects
  - All RVTPO projects and services are approved to use federal funding by the Policy Board in the RVTP.
- The four-year fiscal constraint within the TIP is included in the **Financial Plan Attachment**
  - Funded projects may be at various stages including construction being complete and awaiting financial closure to not yet having started preliminary engineering.
- Funded project status, details, and financial information are reflected at a point in time in project sheets within the **Funded Projects Attachment**

16



# Updated RVTP

RVTP Funded  
(funded projects  
FY 2024-2027)

## Funded Projects Information

- Prioritizing investments
  - RVTPO has direct decision-making authority over the Roanoke Valley apportionments of the Surface Transportation Block Grant (STBG) and Transportation Alternatives (TA)
  - VDOT and DRPT manages these and all other grant program decisions through the SYIP
  - RVTPO role is to choose which need to address, preferred solution for the need, and to position projects for future funding opportunities
- Where does funding come from?
- What are the anticipated benefits?
  - Comparison of funded projects relative to RVTP goals and objectives

17



# Updated RVTP

## Funded Projects Attachment

### Project/Services Summary

#### Fully or Partially Funded Projects

Roanoke Valley Transportation Planning Organization  
Introduction: This spreadsheet lists the transportation projects that have previously received full or partial funding. They are included in the financial plan of the Roanoke Valley Transportation Plan. Transit costs reflect the FFY24-27 total cost estimate. See the NSR and to view the projects: <https://roanoke.gov/transportation/transportation-plan/transportation-plan-2024-2027>

State ID	County	RVTP Title	Cost
116201	Roanoke County	I-81 widening - MM 144 to Exit 150	\$322,157,080
116203	Roanoke County	I-81 widening - MM136 to MM141	\$292,480,000
116197	Roanoke County	I-81 NB widening - Exit 128 to Exit 137	\$265,372,320
GR00001	City of Roanoke	VM Front Routes: 11, 12, 15, 16, 21, 22, 25, 26, 31, 32, 35, 36, 41, 42, 51, 52, 55, 56, 61, 62,	\$35,153,304
110395	Roanoke County	I-81 Auxiliary Lane from Exit 141 to 143	\$28,193,617
688	City of Roanoke	13th Street SE Improvements	\$25,223,724
108006	Roanoke County	I-81 NB Auxiliary Lanes - Exit 141 to 143	\$22,816,937
120611	Roanoke County	Route 460 at Alternate Route 220 Intersection Improvements	\$21,796,984
120754	City of Roanoke	I-581 Exit 2 (Peters Creek Road) Interchange Improvements Phase 1	\$20,438,088
82193	Roanoke County	Rte. 220 over Back Creek Bridge Replacement	\$19,528,000
119462	Roanoke County	Route 419 Streetcape Improvements Phase 2, Ogden Road to Starkey Road	\$18,469,482
115460	Roanoke County	Route 419/Route 220 Diverging Diamond Interchange	\$17,505,000
126165	City of Roanoke	#SMART22 - Route 460 Corridor Intersection Improvements	\$16,323,272
8753	City of Salem	East Main Street - Widen to 3 Lanes w/ Bike Lane, Curb, Sidewalk	\$15,997,819
111983	Roanoke County	I-81 Auxiliary Lane from Exit 143 to 141	\$15,785,499
124740	Botetourt County	Rte. 220 Superstreet Improvement	\$15,465,000
111373	Roanoke County	I-81 Southbound Auxiliary Lane - Exit 143 and 141	\$13,829,000
97171	Roanoke County	Roanoke River Greenway - Green Hill Park to Riverside Park	\$12,697,000
110887	Salem District-wide	Route 220 Access Management Improvements Project	\$11,696,083
122110	Roanoke County	#SMART22 - Route 460 Intersections W. Ruritan Road to Huntridge Road	\$10,304,328
119468	Roanoke County	Valleyonte Parkway Realignment	\$9,817,072
110101	City of Roanoke	Trinker Creek Trail Extension	\$9,100,000
110974	City of Salem	Apperson Drive Bridge Replacement	\$8,438,000
119462	Botetourt County	Route 460 at Layminton Road Intersection Improvement	\$7,623,349
119450	City of Roanoke	Route 460 at West Ruritan Road Intersection Improvements	\$7,537,497
119472	Town of Vinton	Walnut Avenue Corridor Improvements - 1st to 4th St.	\$7,399,781
119555	City of Roanoke	Aviation Drive / Valley View Boulevard Pedestrian Improvements	\$7,176,493
77305	Roanoke County	Route 116 over Back Creek Bridge Replacement	\$7,173,589
107061	Roanoke County	Route 419 Safety Improvements at Tanglewood	\$7,048,000
108896	City of Roanoke	Colonial Avenue Improvements	\$7,000,000
108899	Salem District-wide	FF23 Curve Delineation	\$6,616,897

### Project/Services Sheet - Example

#### Project Details

**Basic Information**

RVTPO Project Title: Roanoke River Greenway - Blue Ridge Parkway to Explore Park  
 RVTPO ID: 2040.0717.015  
 State Project Title: ROANOKE RIVER GREENWAY - BLUE RIDGE PARKWAY TO EXPLORE PARK  
 State ID: 110155  
 Locality: Roanoke County  
 Project Administrator: Roanoke County

**Location**

Facility Name: Roanoke River Greenway  
 Route Number: 0  
 Functional Classification: Other  
 Limits From: 0  
 Limits To: Blue Ridge Parkway  
 Project Length (mi.): 1.9

**Project Detail**

Project Description: Shared use Bike/Pedestrian path from the Blue Ridge Parkway to Explore Park  
 Transportation Solutions Utilized: New Shared-Use Path/ADA Accessible Greenway Trail  
 Need Type(s) Addressed: Safety (bike), Safety (ped)  
 Need (s) Addressed: 0  
 Anticipated Transportation Benefits: People can more safely walk or bike from the Blue Ridge Parkway to Explore Park.  
 Anticipated Objectives Met: 1A, 3D, 4A, 4B, 5A, 7A, 7B, 7C, 7D

**Funding Allocations**

Funding Source	TOTAL
Federal	
STBG	
State	
Other	
<b>Total Funding Allocations:</b>	<b>\$1,751,432</b>
<b>TOTAL Cost Estimate:</b>	<b>\$1,751,432</b>

**Planned Obligations Not Tracked**

Project Grouping: Construction - Federal Lands Highway  
 Grouping Total Cost Estimate Amount:

Actual Obligations	FFY 2023	FFY 2024	FFY 2025	FFY 2026	FFY 2027	TOTAL
Funding Source						
<b>TOTAL \$</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

Amendments:  
 Adjustments:  
 RVTPO Notes:

18



## Updated RVTP



### • Unfunded projects

- Priorities for the region to pursue
  - Current candidate SMART SCALE projects for inclusion in the next SYIP (FY 2024 – FY 2029)
  - Other projects with defined scopes and costs that address priority regional transportation needs
  - Organized into two buckets – to be funded in the next ten years and beyond 10 years

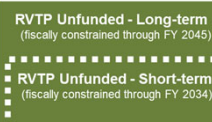
*Note: Prioritization process not yet implemented – future step subject to ongoing implementation of performance-based planning process*

- **Priority Projects to Pursue Attachment** – see descriptions
- **Acronyms/Definitions Attachment** – see funding programs

19



## Updated RVTP



### • Unfunded Project Information

- Priorities in next ten years versus beyond ten years
  - **Next ten (represent the regional pipeline to seek funding)** – projects elevated due to criticality of need, stakeholder/public support, level of readiness
  - **Beyond ten (represent priorities, but later due to constraints)** – projects delayed due to lower criticality of need, more uncertainty in support, potential project delivery challenges
- Information on funding programs (including grants)  
**Acronyms/Definitions Attachment**
- What are the anticipated benefits?
  - Comparison of funded projects relative to RVTP goals and objectives

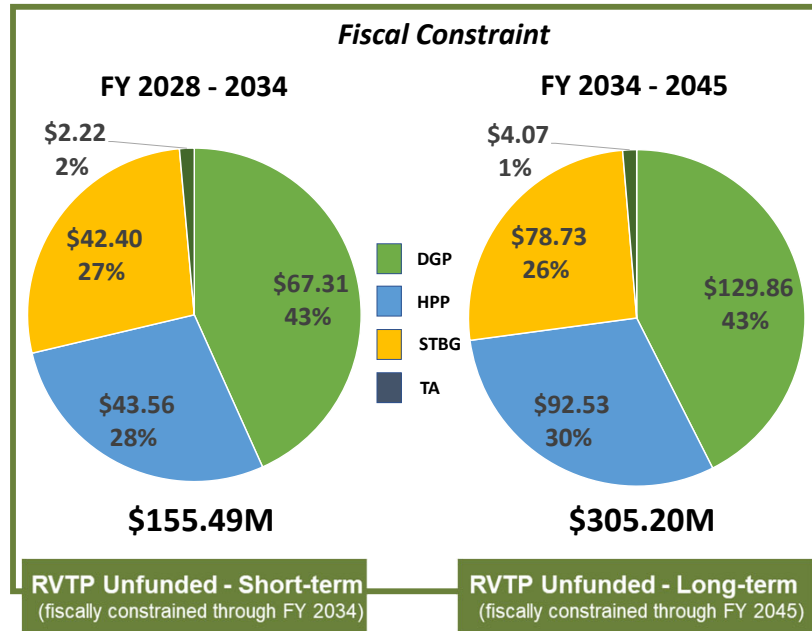
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# Updated RVTP

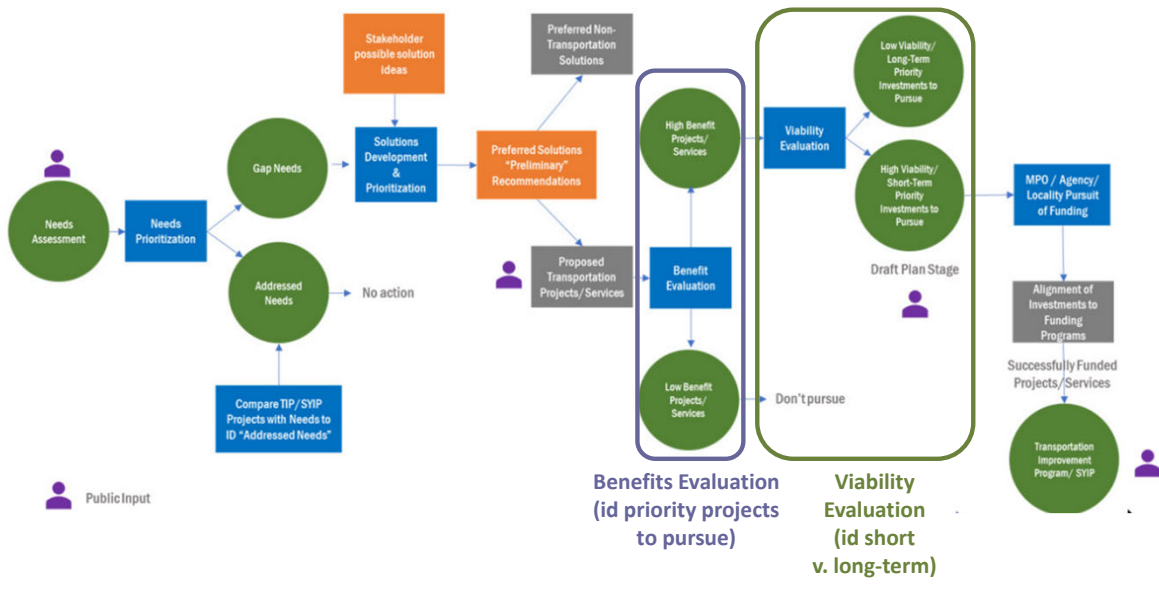


23



# Updated RVTP

## Prioritizing Unfunded Projects to Meet Fiscal Constraint



24



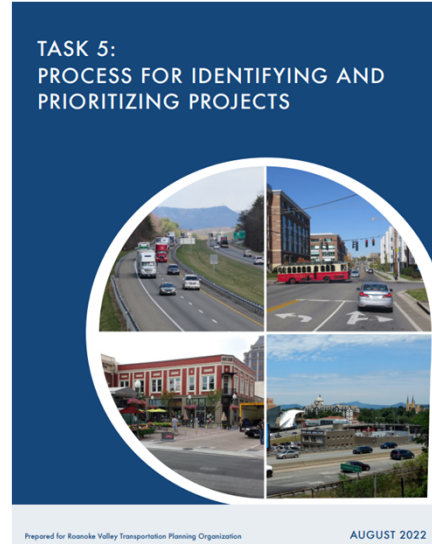


# Updated RVTP

## Prioritizing Unfunded Projects to Meet Fiscal Constraint

### • Benefit Evaluation

- Establish scoring criteria
  - Align with RVTP goals and objectives
  - Mix of quantitative and qualitative
- Estimate benefit scores
  - Relies on weights by measure/goal area
  - Could vary by project type
- Establish a high benefit threshold
  - Identifies most promising projects based on benefits



# Updated RVTP

## Prioritizing Unfunded Projects to Meet Fiscal Constraint

### • Viability Evaluation

- Select viability criteria
  - Project Readiness
  - Availability of Detailed Cost Estimate
  - Right of Way Sufficiency
  - Likelihood of Local, State, or Federal Funding
  - Implementation Timeframe
  - Coordination with Other Projects
  - Regional and Local Support
- Determine projects to consider for the **priority projects to pursue list**





# RVTP Process

**Developmental RVTP**  
(performance-based planning activities)

## Developmental RVTP

- Performance-based planning process
  - Vetting of transportation needs
  - Review of existing concepts and solutions
  - New solutions needing further study and project development
- Three types of actions within the planning process
  1. Refine a project concept or preferred solution to address a priority regional transportation need
  2. Study opportunity to address a priority regional transportation need
  3. Concept, preferred solution, or study to address other regional transportation need
- Needs and potential solutions available through **Regional Priority Transportation Needs to Address Attachment**

27



# Draft RVTP

## Regional Priority Transportation Needs to Address Attachment

Priority Regional Transportation Needs to Address Roanoke Valley Transportation Planning Organization														
Introduction														
This spreadsheet lists the regional priority transportation needs identified in the Roanoke Valley Transportation Plan along with available information for understanding the nature of the need. Additional information will be added as the needs are further studied, matched with possible solutions, and in some cases, advance to the stage of projects.														
<a href="https://www.roanoke.org/transportation/2022/05/03/roanoke-valley-transportation-plan">See the SMART tool to map the projects: https://www.roanoke.org/transportation/2022/05/03/roanoke-valley-transportation-plan</a>														
Priority Status: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes														
Need ID	Need Type	Simple Location	Detailed Location	Need	Score	Investment	Need Status	Rationale	Possible Common Transportation Solutions	Possible Unique or Non-Transportation Solutions	Relevant Recent or Ongoing Studies and/or Recommendations	Preferred Solutions or Options	Project / Review/Study	Associated FDU's
N_2071_T_A	Access (Transit)	U.S. 11-Williamson	Peters Creek Road		100	Williamson Road Pedestrian Improvements Peters Creek Road to Pavilion Road, ROUTE 11 & 117 ROANOKE CO. - PEDESTRIAN SAFETY IMPROVEMENTS, CORTTRAN and Botetourt County Van Service	Gap	Only accessible to older or disabled County/Vinton residents via CORTTRAN and Botetourt County Van Service.	New Transit Route (local, commuter, intercity); New Transit Service (ex. Elderly/disabled on-demand transportation, flexible on-demand transit service, taxi vouchers, destination specific shuttle services, etc.) Get a ride from a friend/family/business-hailing	Alternative/wheeled mode infrastructure (strobe docking, a bike or scooter docking, etc. ...); Utilize similar destinations in more transit accessible places.	Long Term, see recommendations in Transit Vision Plan.	None identified at this time.	Study potential for e-bike/scooter docking to address this need as well as other possible solutions.	
N_1882_T_A	Access (Transit)	U.S. 460 - Orange	1581 to Roanoke city limit		100	Route 2526 and 3172 span a portion of Orange Avenue	Gap	Existing services don't address full need identified.	New Transit Route (local, commuter, intercity)		Transit Vision Plan			
N_243_MV_S	Safety (auto)	1581	U.S. 460	Short merge lanes; Too many lanes for pedestrians to cross; on street parking; dangerous; Speeding traffic; reckless driving; Visibility; Short ramps; Dangerous for pedestrians to cross street; Drivers run red lights; Confusing lane markings; Distraction at	94	STBE funding placed on unperfected project by RVTPO in March 2022.	Gap	Study ongoing; aim to submit a preferred solution for SMART SCALE Round 5 funding.	Interchange Reconfiguration; Safety Improvements for Midways; Pavement Markings		Study to be completed in Summer of 2022 with possible solution(s) and preferred solution identified for submission to SMART SCALE Round 5.	Add a signal at the off-ramp from 1581 to Rt. 400 with dual right turn; Realign the 1581/88 ramp.	1581/U.S. 460/U.S. 11 Improvements - SS Round 5 application	
N_181_MV_S	Safety (auto)	U.S. 460 - Orange	Williamson Road		94	STBE funding placed on unperfected project by RVTPO in March 2022.	Gap	Study ongoing	Interchange Reconfiguration; Access Management; ITS for Roadways		Study to be completed in Summer of 2022 with possible solution(s) identified.	Add a second toll turn lane from Orange Ave. WB to Williamson Rd. NB; Add a turn lane on Williamson Rd. NB to Carter Ave. NE.	1581/U.S. 460/U.S. 11 Improvements - SS Round 5 application	
N_250_MV_S	Safety (auto)	Polard Street	Downtown Vinton	Traffic speed too high on street parking damages	92	Routes 3556 Transit Service.	Gap	On-street parking exists where it can in Downtown Vinton. Traffic speeds being to high is a gap need to further investigate.	Traffic Calming; Safety Improvements for Motorists- Pavement Markings	Police Enforcement; Remove Sectioned On Street Parking	Vinton Area Corridors Plan	No preferred solution to address this need has been identified at this time.		
N_474_T_A	Access (Transit)	DMV	DMV	Access to DMV	92	Botetourt Van Service, CORTTRAN	Gap	Only accessible to older or disabled Botetourt County residents via Botetourt Van Service, Roanoke County/Vinton residents via CORTTRAN. No other projects to provide service at this time.	New Transit Route; New Transit Service (ex. Elderly/disabled on-demand transportation, flexible on-demand transit service, taxi vouchers, destination specific shuttle services, etc.) Get a ride from a friend/family/business-hailing	Alternative/wheeled mode infrastructure (strobe docking, a bike or scooter docking, etc. ...); Provide satellite DMV locations where transit exists. Provide more online DMV services. Move the DMV to a transit-accessible location.	Transit Vision Plan. Check most recent TDP.	Provide satellite DMV kiosks/locations where transit exists. Get a ride from a friend/family/business-hailing when DMV cannot be reached. Study other possible solutions to address this need.		

28



## Next Steps



### TTC meeting (October)

Review RVTP prior  
to public comment  
period



### Finalize RVTP for public comment

Finalize all materials for  
posting prior to public  
comment period  
(October 27<sup>th</sup>)

Develop Final Draft RVTP  
(including other  
summary/marketing  
documents) for public  
comment period



### Public comment period

Receive comments  
through surveys



### Refine RVTP based on public input and updated data

RVTP team to address  
public comment and  
update unfunded projects  
to address fiscal constraint

Start preparing Final RVTP  
for TTC and TPO review



### TTC and TPO meetings (December)

Present Updated  
Final RVTP for final  
review prior to  
January adoption