

October 6, 2022

MEMORANDUM

TO: Members, Transportation Technical Committee
 FROM: Cristina Finch, AICP, LEED AP, Secretary to the Transportation Technical Committee
 SUBJ: October 13, 2022 TTC Meeting/Agenda

The October meeting of the Transportation Technical Committee (TTC) will be held Thursday, October 13, 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 September 8, 2022 TTC Minutes, pp. 2 – 19
4. Chair’s Remarks *Chair Sexton*
5. Review of 2nd Draft Roanoke Valley Transportation Plan..... *Cristina Finch & David Jackson,*
 Update, pp. 20 *Cambridge Systematic*
6. Other Business
7. Comments by TTC Members and/or Citizens
8. Adjournment (by 3:00 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 September meeting of the Transportation Technical Committee was held on Thursday, September 8, 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

David Givens	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
Crystal Williams	City of Salem
Anita McMillan	Town of Vinton
Cody Sexton, <i>Chair</i>	Town of Vinton
William Long	Greater Roanoke Transit Company
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

Mariel Fowler	County of Bedford
Jonathan McCoy	County of Botetourt
Dan Brugh	County of Montgomery
Kyle Kotchou	Roanoke-Blacksburg Regional Airport
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.

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

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

Chair Sexton reported that Ms. Megan Cronise, representing Roanoke County, and Mr. Dwayne D'Ardenne, representing City of Roanoke, have requested to participate remotely in today's meeting of the Roanoke Valley Transportation Technical Committee under the "RVTPO Written Policy for Electronic Meeting Participation," allowing for remote participation under special circumstances and a physical quorum is present. Ms. Cronise's request is due to medical matter and Mr. D'Ardenne's is due to personal matter.

Unanimous Consent Request: by Chair Sexton to approve the remote participation request by Ms. Cronise and Mr. D'Ardenne.

Action by the Chair: without objection, the request was approved.

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

The following consent agenda items were distributed earlier:

- A. September 8, 2022 TTC Meeting Agenda
- B. July 14, 2022 TTC Minutes
- C. August 11, 2022 TTC Minutes

Motion: by Michael Gray to approve items (A), (B) and (C), under the consent agenda, as presented; seconded by Frank Maguire.

TTC Action: Motion carried unanimously.

4. **CHAIR REMARKS**

No remarks were made.

5. **FIRST DRAFT OF THE ROANOKE VALLEY TRANSPORTATION PLAN UPDATE INCLUDING THE DRAFT FY24-27 TRANSPORTATION IMPROVEMENT PROGRAM**

RVARC staff and Mr. David Jackson with Cambridge Systematics presented an update on the Roanoke Valley Transportation Plan and shared the first draft, which was distributed with the agenda packet (the PowerPoint presentation is included with the Minutes).

Mr. Gray noted that as stated previously, he does not agree with the way the needs were done, especially when a one comment from the public involvement was identified as a high priority need to address. Mr. Gray added that he spent fifteen minutes in the NEST mapping tool. Three or four of the needs around Salem area that he looked at he felt are not actual needs - for example, Wildwood Road was identified as a congestion need based on a person's comment.

Mr. Gray asked if the spreadsheets that members were provided with would be shared with the public. Ms. Finch replied with yes, they were included in the Appendix and will be provided for public comment. Mr. Gray noted that some of the information included in the spreadsheets seem to be working notes and some even outside of transportation (for example the notes about providing satellite DMV locations). Mr. Gray added that he would not feel comfortable

sharing this information with the public the way it is. Ms. Finch explained that TTC members had guided staff that the identification of needs in our region was where public input would be of most value. The needs assessment shows the issues that have been identified through past regional/local plans, past public surveys, and public input from the plan's survey. Ms. Finch agreed that a vetting process to understand the needs is a process and will take time as it was not possible to complete during this plan's development. Ms. Finch addressed the DMV example and noted that this is a transit access need. It would be a process to figure out what the best solution might be which may include non-transportation solutions such as satellite DMV locations.

Mr. D'Ardenne commented that it is important that a need that is really an issue, or a concern is indicated somehow. It is difficult to look at the list and say everything in there is a need, especially if it is one person's comment.

Ms. Cronise agreed with Mr. Gray and Mr. D'Ardenne comments and added that the vetting needs to happen before the document goes for public input.

Mr. Wayne Leftwich asked if there is a way to reference the fact that the needs are still being vetted or present an abbreviated version to the public.

Mr. D'Ardenne asked if the "need id" is necessary in appendix G. Mr. Stanton replied that it is a unique identifier and it is helpful to have available.

Mr. Leftwich expressed concern with Appendix I about listing the entire list of needs since they have not been vetted yet. Mr. Stanton replied that showing the list conveys that everyone was heard, and if the needs or concerns were vetted and set aside, they would not be publicly visible.

Vice Chair Maguire expressed confusion with the addressed needs and used the example of the complaint about speeding on Wiley Drive, which showed as a bike/ped issue and was noted "addressed" because there is an adjacent greenway, but it seems to be an incomplete addressed need. Vice Chair Maguire commented that one option may be to only share needs that score above 80 (that have been thought about and looked at) because including needs that score below that is just capturing random thoughts. Mr. D'Ardenne commented that a score above 80 is still eighteen pages of needs and asked if realistically they will be addressed over the next five years. Ms. Finch asked if it would be helpful to conduct a survey amongst members to identify priority gap needs within the priority gap needs which will reduce the eighteen pages to something smaller. Ms. Cronise agreed with Ms. Finch's suggestion.

Chair Sexton asked what process will be used to identify and distinguish that a need was identified, studied, and made a conclusion on (checked the box - e.g., if it is a valid need, if it is being addressed or if it warrants further work to address). When in the process would the step of "checking the box" happen? Mr. Long noted he has the same question.

Ms. Finch requested any additional feedback by Friday, Sept. 16 in order to consider it for the RVTPO agenda packet. Michael Gray asked how the concerns about the needs that were

expressed today will be addressed. Ms. Finch replied that staff will need to give it some thought and will continue collaborating with members.

Megan Cronise commented that there are a number of rows where there are no need types or needs identified and asked if they can be removed. Ms. Finch replied that it is a missing formula which will be corrected but that the need id also shows the type of need.

6. OTHER BUSINESS

Mr. Gray commented that there will be a fall meeting coming up and he will share information with members once it is available.

7. COMMENTS BY MEMBERS AND / OR CITIZENS

Chair Sexton thanked staff and members for their diligent work on the plan.

8. ADJOURNMENT

The meeting was adjourned at 3:27 p.m.

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



Roanoke Valley Transportation Plan Update

Draft RVTP Review and Next Steps

presented to
Transportation Technical Committee

presented by
RVTPO, Cambridge Systematics, Inc.



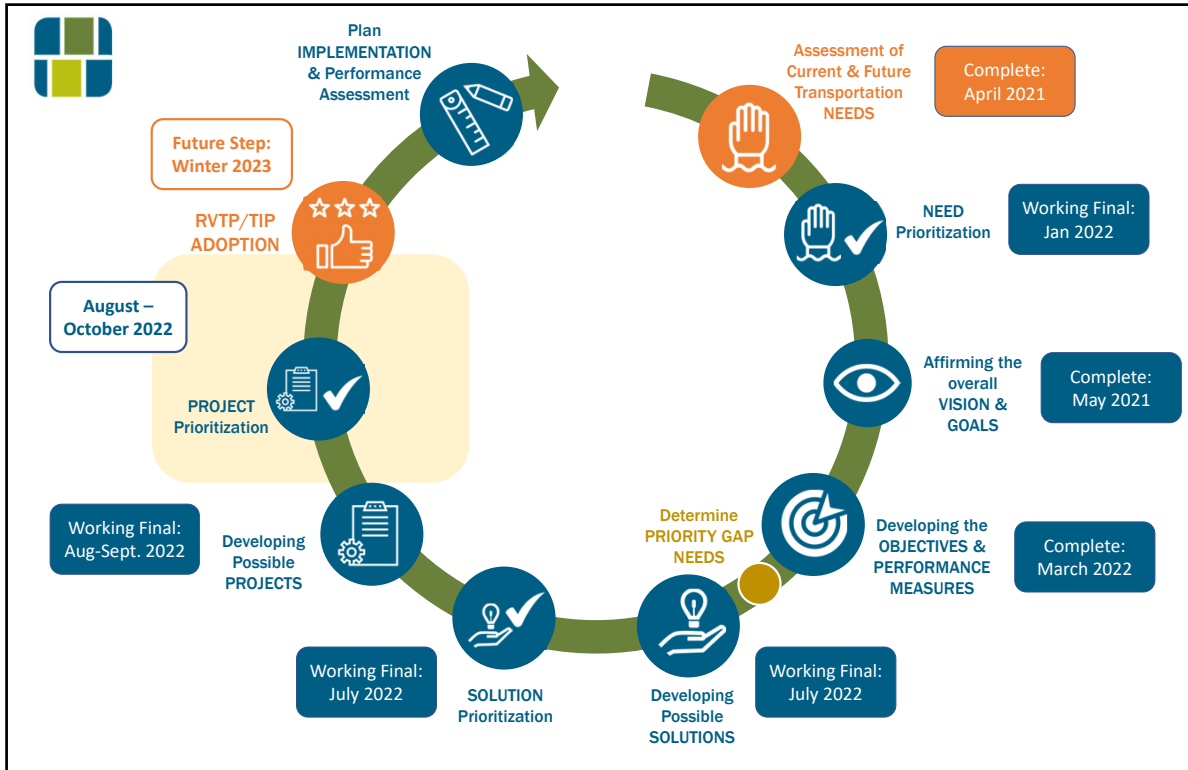
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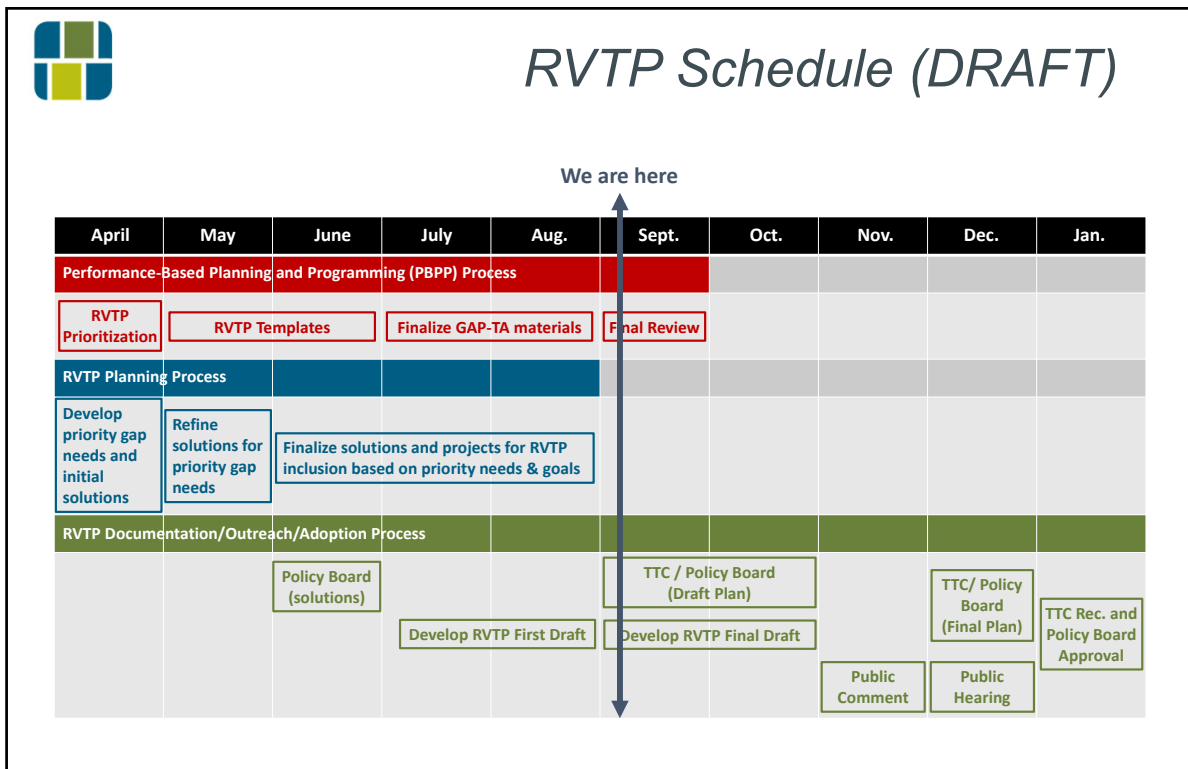
Agenda

- RVTP Process Update
- Draft RVTP Organization
- Draft RVTP Discussion Questions
- Next steps and schedule

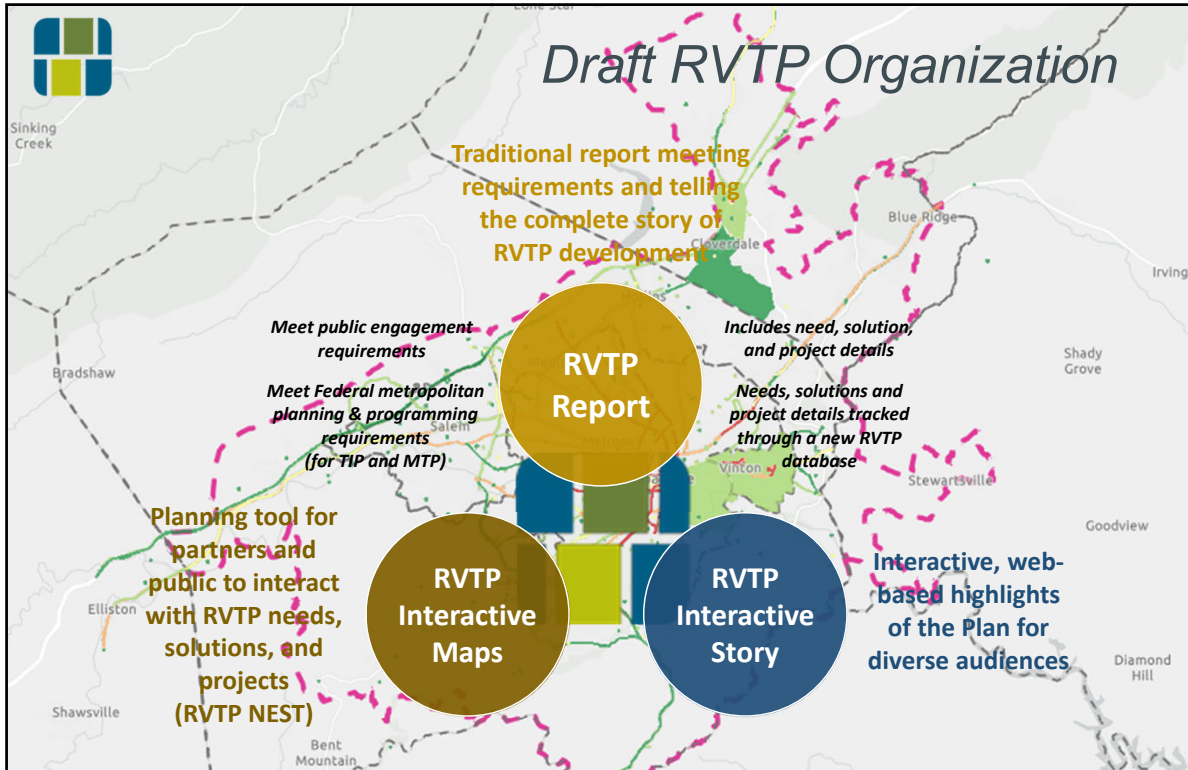
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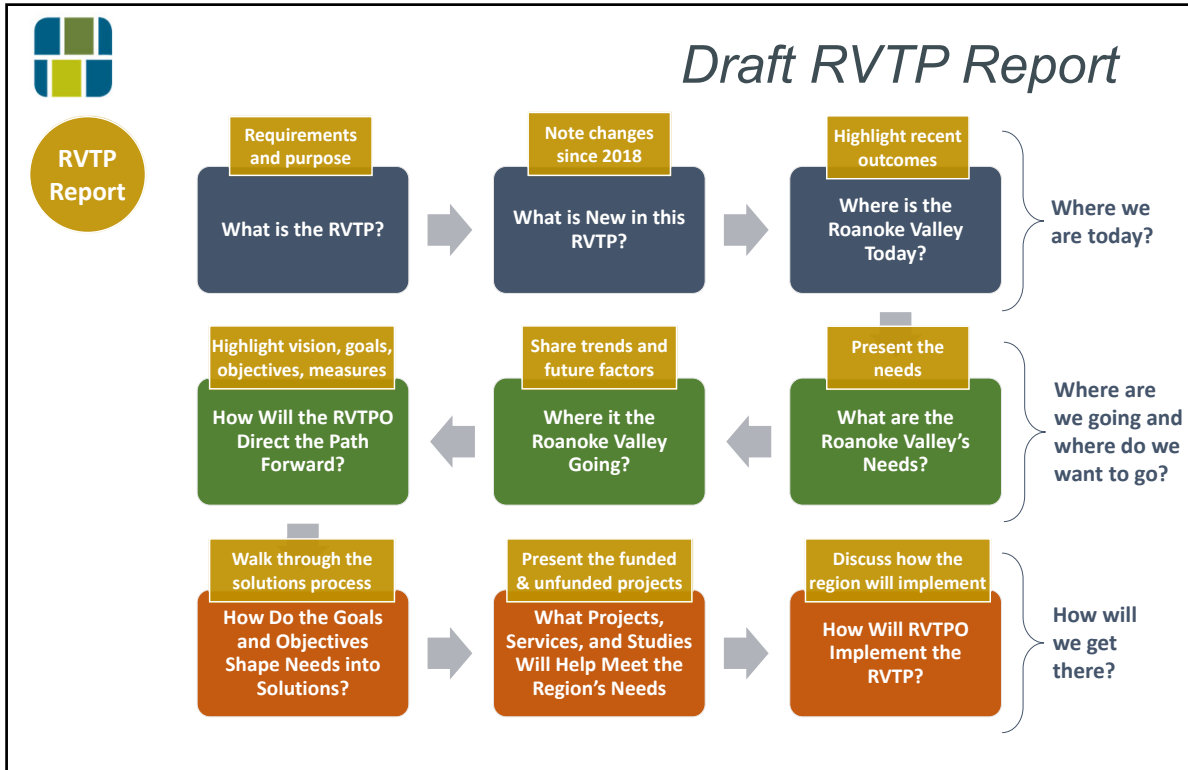
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Draft RVTP Report

RVTP Report

- **Objective** – Document the RVTP development process and the key outcomes, including funded and unfunded projects and services
 - Reference applicable Federal and State requirements
 - Includes the TIP and Metropolitan Transportation Plan
 - 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 (TIP) project sheets

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Draft RVTP Report

RVTP Report

- **Items still under development....**
 - Where is the Roanoke Valley Today?
 - What are the Roanoke Valley's Needs?
 - Needs prioritization maps
 - What Projects, Services, and Studies Will Help Meet the Region's Needs?
 - Benefits of funded projects/services
 - Priority projects, services, studies to pursue (next 10-years)
 - Projects, services, studies to pursue (beyond 10-years)
 - How Will RVTP Implement the RVTP?
 - Appendices A-F (some content previously developed and reviewed)
 - Appendix J – Funded Project Sheets

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Draft RVTP Report

RVTP
Report

• **What is the Roanoke Valley Transportation Plan?**

- Purpose
- Requirements
 - Link to Appendix A (Federal requirements matrix)
- Organization
- Performance based planning and programming
- Partner, stakeholder, and public engagement

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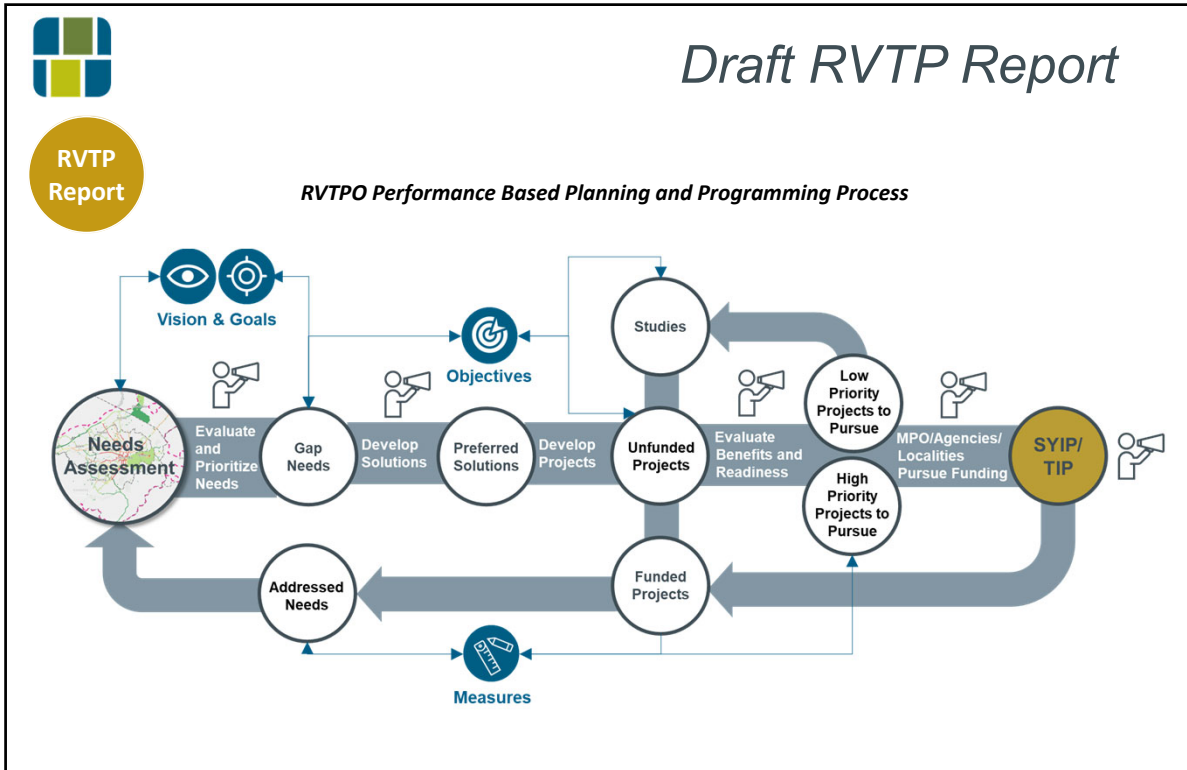
Draft RVTP Report

RVTP
Report

• **What is new in this Roanoke Valley Transportation Plan?**

- Performance based planning and programming process
 - Reference Federal and State guidance
 - Acknowledge GAP-TA process
 - Organization of TIP and MTP within the RVTP
- Federal Direction
 - Bipartisan Infrastructure Law
 - Justice40
- Statewide initiatives

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Draft RVTP Report

RVTP Report

- **Where is the Roanoke Valley Today?**
 - Accomplishments since 2017
 - Major projects and initiatives
 - Current performance insights
 - Key funded projects, services, programs being implemented and how they may impact the future
 - Transforming Rail in Virginia
 - I-81 Corridor Improvement Plan
 - Route 460 East, Third Street Station, Roanoke River Greenway, etc...
 - Transportation system performance trends
 - Federal performance measure highlights

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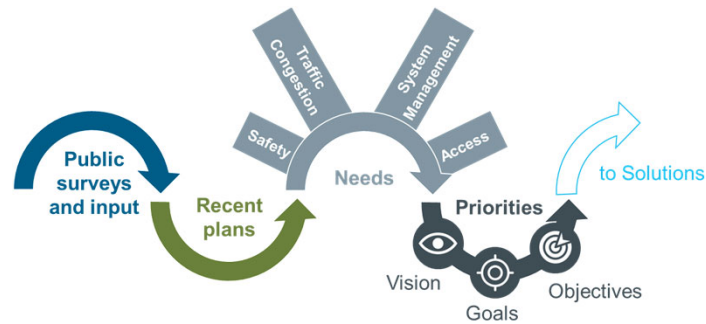


Draft RVTP Report

RVTP Report

• What are the Roanoke Valley's Transportation Needs?

- Needs assessment approach
 - Process
 - Connection to NEST and needs assessment methodology (Appendix C)
- Highlights across the nine need categories



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Draft RVTP Report

RVTP Report

• Where is the Roanoke Valley Going?

- Regional trends and forecasts
 - Population, employment, economy, transportation
- Future factors
 - Future factors insights in Appendix D



Technology



Society



Economy



Sustainability



Funding & Finance

- Uncertainty and continuing change

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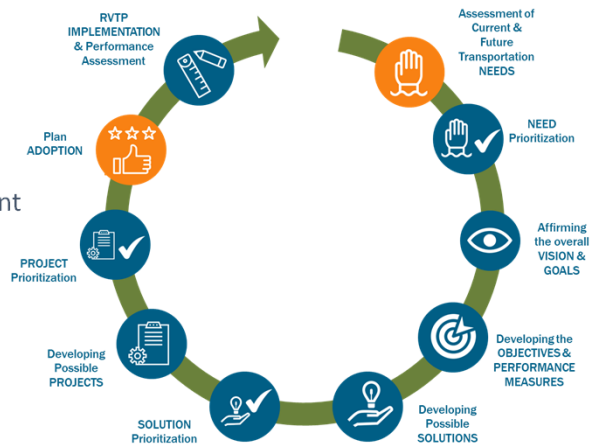


Draft RVTP Report

RVTP Report

• How Will RVTP Direct the Path Forward?

- Vision and goals
 - Connection to federal, state, and regional goals and planning factors
- Objectives and performance measures
 - Objectives description
 - Existing performance measures and candidate measures for development
 - Reference to all goals, objectives, measure details in Appendix E
- Informing the PBPP process



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Draft RVTP Report

RVTP Report

• How Do Goals and Objectives Shape Preferred Solutions to Address the Needs?

- Priority gap needs process
 - Highlight criteria and provide access to NEST and methodology, Appendix F
- Needs: Addressed <- Priority Gap <- Other Gap
 - Link to the NEST and **Appendix G, H, and I** with each detail need tables
- Identifying transportation solutions and defining projects



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Appendix G

Addressed Transportation Needs Roanoke Valley Transportation Planning Organization



Introduction

This spreadsheet lists the transportation needs identified in the Roanoke Valley Transportation Plan along with available information for understanding how the need is being addressed. The noted investment may not yet be complete but due to its status as funded is considered to be addressed.

See the NEST tool to map the projects: <https://experience.arcgis.com/experience/7c7b7fb55b1b42c58954799c2156b922>

Need Status	Addressed
Priority Need	Yes

Need ID	Need Type	Simple Location	Detailed Location	Need	Score	Investment to Date	Rationale
N_256_1_MV_S	Safety (auto)	Virginia Avenue	City Limit to Bypass Road	Improved visibility-Virginia/Pollard Intersection; HighTraffic/slow flow;speed;signal timings;ped saf	93	Routes 35/36 Transit Service, Town of Vinton has purchased new signal equipment to upgrade signal timings.	New signal equipment will address traffic flow and signal concerns. Visibility is a function of topography.
N_59_2_MV_S	Safety (auto)	Route 419	U.S. 220 to Ogden Road		93	Meets need: #HB2.FY17 ROUTE 419 SAFETY IMPROVEMENTS AT TANGLEWOOD, Route 419/Route 220 Diverging Diamond Interchange Does not meet need: Route 51 & 52 Fixed-Route Transit Service	Addition of one lane in each direction, signal upgrades is intended to make this segment of Route 419 safer for driving.

- 59 unique addressed transportation needs

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Appendix H

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.

See the NEST tool to map the projects: <https://experience.arcgis.com/experience/7c7b7fb55b1b42c58954799c2156b922>

Priority Status	Yes
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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 / Service/Study	Associated PID(s)
N_2071_T_A	Access (Transit)	U.S. 11- Wilkeson Road	Peters Creek Road	Williamson Road Pedestrian Improvements Peters Creek Road to Flanigan Road ROUTE 11 & 117 ROANOKE CO. PEDESTRIAN SAFETY IMPROVEMENTS; CORTRAN and Botetourt County Van Service	100		Gap	Only accessible to older or disabled County/Vinton residents via CORTRAN and Botetourt County Van Service.	New Transit Route (local, commuter, express); New Transit Service (e.g. Elderly/disabled on-demand transportation, flexible on-demand transit service, taxi vouchers, destination specific shuttle services, etc.); Get a ride from a friend/family/friend-hailing	Alternative/new mode infrastructure (bike docking, e-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.	

- 18 pages of unique priority gap transportation needs

Appendix I

Other Regional Transportation Needs to Address Roanoke Valley Transportation Planning Organization



Introduction

This spreadsheet lists the other regional 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.

See the NEST tool to map the projects: <https://experience.arcgis.com/experience/7c7b7fb55b1b42c58954799c2156b922>

Priority Status	No
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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 / Service/Study	Associated PID(s)
N_2062_NA	Access (Non-Transit)	I-581	U.S. 460	I-581 out of neighborhoods	100	None as of May 2022.	Gap	Not a lot of ways to get across the interstate when walking, biking, driving or even transit. Original construction of the interstate's negative impact on community still merits consideration on how to improve community connectivity.	Interchange Reconfiguration; Bypass/Parkways; Crossing Improvement; New Bike Lane; New Concrete; Safety Improvements for Motorists; Pavement Markings; New Bridge @Doppel/Parkway	Consider bike/bike paths from Cross Spring to Westmont and another to Lewis Gale/TGI Fridays. Bike/Pedestrian accommodations on Wood Haven Road, Peters Creek Road, Campbell Ave. SE, (bike accommodations on Orange Ave.	Add or improve pedestrian/bike accommodations in new right-of-way and on existing roads across I-581.	None.		

- 22 pages of unique other regional transportation needs

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Draft RVTP Report



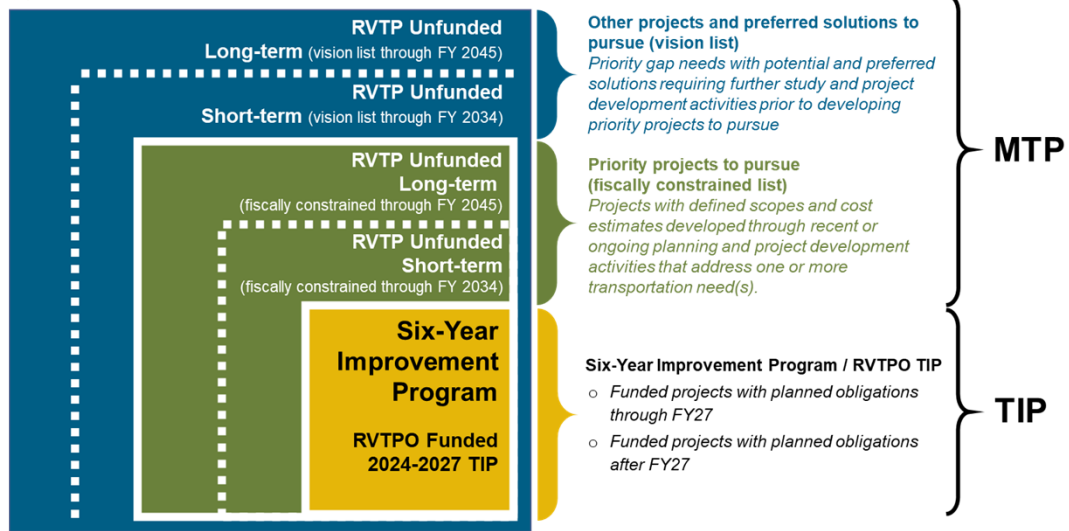
- **What Projects, Services, and Studies Will Help Meet the Region’s Needs?**
 - Present the RVTP structure
 - Funded (2024 – 2027 TIP)
 - Unfunded (fiscally constrained)
 - Unfunded (vision)
 - **Funded projects and services (TIP)**
 - Prioritization
 - Funding sources and requirements (fiscal constraint)
 - Funded projects and services – link to [Appendix J \(project tables and sheets\)](#)
 - Anticipated benefits
 - **Unfunded projects and services (MTP)**
 - Next ten-year priorities – link to [Appendix K \(priority projects to pursue\)](#)
 - Following ten-year priorities – link to [Appendix L \(other projects to pursue\)](#)
 - Studies



Draft RVTP Report



RVTP Organization





RVTP Report

Draft RVTP Report

Appendix J: Funded projects and services (FY 2024-2027 TIP)

Project/Services Summary

Project/Services Sheet – Transit Example

Administrator	RVTP ID	Project Source	State ID	State Title	RVTP Title	Description
Valley Metro	2040-0717-210	TIP	8RT0004	Automatic Vehicle Locator	Automatic Vehicle Locator Technology	Purchase and implement automatic vehicle locator (AVL) technology on on-demand route buses for use with the Valley's age-ensuring machine identification of transit vehicle location and use with the Real Time Passenger Information System.
Valley Metro	2040-0717-211	TIP	8RT0007	Miscellaneous Office	Miscellaneous Office	Supply and equipment used in the administrative offices.
Valley Metro	2040-0717-212	TIP	8RT0008	Radio Communication System	Radio Communication System	Purchase Radio Communication System to ensure transit dispatcher to communicate with vehicle operators and dispatch.
Valley Metro	2040-0717-213	TIP	8RT0009	Real Time Passenger Information System	Real Time Passenger Information System	Purchase equipment and software to install the real time passenger system within the new transit streetcar.
NADA	2040-0717-214	TIP	8A0001_1	Operating Assistance	CORTMAN Operating Assistance	Operating assistance for NADA under contract to provide on-demand transit services for Roanoke County residents 70+ or of any age with a disability.
NADA	2040-0717-215	TIP	8A0001_2	Operating Assistance	Local Office on Aging Taxi Vouchers	Taxi vouchers for people 60 and over regular transportation.
NADA	2040-0717-216	TIP	8A0002	Paratransit vehicles	CORTMAN vehicles	Purchase of ADA-compliant paratransit vehicles to support the CORTMAN program.
Endore	2040-0717-217	TIP	LF0001	Paratransit vehicles	endCore vehicles	Vehicles to transport people in endCore's adult day support program at the Senior Care Center to/from the Center and other senior community engagement activities in Stone and Roanoke.
ROA CO	2040-0717-218	TIP	8A0001	Operating Assistance	CORTMAN Operating Assistance	Operating assistance for VIA Transportation, Inc. under contract with Roanoke County to provide on-demand transit services for Roanoke County residents 70+ or of any age with a disability.



Project Details

Basic Information						
RVTPO Project Title:	CORTMAN Capital Assistance					
RVTPO ID:	2040-0717-257					
State Project Title:	Capital Assistance					
State ID:	8A0002					
Project Detail						
Project Description:	Need Type(s) Addressed (Select all that apply) System Management - Transit					
Transportation Solutions Utilized:	System (e.g. Interstate, transit): Transit					
Financial Information						
Funding Status (Select one):	Fully Funded					
RVTPO Funding:	No					
Amendment/Adjustment(s):	5/25/22					
Funding Allocations						
	Funding Source(s)	FY 2024	FY 2025	FY 2026	FY 2027	TOTAL
FTA 5310	\$0	\$0	\$0	\$0	\$0	\$0
TOTALS	\$0	\$0	\$0	\$0	\$0	\$0
Planned Obligations						
	Funding Source(s)	FFY 2024	FFY 2025	FFY 2026	FFY 2027	TOTAL
FTA 5310	\$0	\$0	\$0	\$0	\$0	\$0
TOTALS	\$0	\$0	\$0	\$0	\$0	\$0
Actual Obligations						
	Funding Source(s)	FFY 2021	FFY 2022	FFY 2023	FFY 2024	TOTAL
FTA 5310	\$0	\$0	\$0	\$0	\$0	\$0
TOTALS	\$0	\$0	\$0	\$0	\$0	\$0



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RVTP Report

Draft RVTP Report

Appendix K: Priority Projects/Services to Pursue for Funding

Priority Projects/Services to Pursue for Funding

Roanoke Valley Transportation Planning Organization



Introduction This spreadsheet lists the region's priority projects to pursue for funding in the Roanoke Valley Transportation Plan along with the project's scope and estimated cost in the year of expenditure. Once funding is identified for the project, it will be considered for inclusion in the RVTP's Transportation Improvement Program funded projects list.

[See the TIP25 tool to view the projects: https://roanokevalleytransit.com/roanoke-county/2021-2025/31642/6594332641976212](https://roanokevalleytransit.com/roanoke-county/2021-2025/31642/6594332641976212)

Project Type	Constrained					
RVTPO Title	Street	Limit From	Limit To	Description	Total Cost	
Brambleton Avenue (Rt. 221) Bicycle Pedestrian Improvements	Brambleton Avenue	2300 Block of Brambleton Avenue	Overland Road	Construct bike lanes and a sidewalk on both sides of Brambleton Avenue from Carlton Clinic traffic signal (former Shenandoah Building) to Overland Road.	\$ 15,000,000	
Roundabout at Hardy Road and Bypass Road	Bypass Road	Hardy Road (Rt. 241/34)		Convert the intersection of Hardy Road/Bypass Road (Rt. 241 and Hardy Road (Rt. 34)) from a signalized intersection to a two-lane roundabout. The project includes sidewalk in the immediate area of the roundabout.	\$ 16,560,837	
Campbell Avenue Bicycle and Pedestrian Improvements	Campbell Avenue	Tinker Creek	Williamson Road (Downtown)	Streetscape improvements would consist of sidewalk, curb and gutter, street trees, and milling and resurfacing the existing roadway and any related stormwater improvements.	\$ 18,100,162	
Chaparral Drive Pedestrian Improvements	Chaparral Drive	Purple Finch Road	Woodhush Drive	Build a sidewalk in front of Cave Spring High School.	\$ 3,733,930	
Church Ave Cove Road	Church Avenue	Jefferson St.	5th St.	Streetscape improvements	\$ 9,000,000	
	Cove Road	Hershberger Road	Peters Creek Road	Add turn lanes, C&G, sidewalk, bike lanes, drainage	\$ 20,000,000	
East Main Street Phase II (Previous UPC 100710)	East Main Street	Brand Avenue	Kessler Mill Road	Improve drainage, capacity, and non-motorized facilities by adding storm sewer, curbing, sidewalks, bike lanes, and turn lanes.	\$ 22,131,630	
Route 419/Electric Road Pedestrian Signal Improvements	Electric Road	Brambleton Avenue	Postal Drive	Construct pedestrian signals and crosswalks at two adjacent Route 419/Electric Road intersections: Route 221/Brambleton Avenue and Postal Drive/Steel Lane.	\$ 3,944,955	
Electric Road Safety Improvements - Grandin Road Ext. to Keagy Rd.	Electric Road	Grandin Rd Ext.	Keagy Rd.	Activities for this project include: an RCUT on Grandin Rd. Ext. to Keagy Rd. South crosswalk, sidewalk from Grandin Rd. Ext. to Keagy Village on the County side, sidewalk from Starbuck to Keagy Rd. South on the City side, Keagy Rd. North crosswalks.	\$12,489,305 (does not include ROW)	
Electric Rd. Safety Improvements, Stonebrook Dr. - Grandin Rd. Ext.	Electric Road	Stonebrook Dr.	Grandin Rd. Ext.	Route 419/Electric Road Safety Improvements, Stonebrook Road to Grandin Road Extension. This project proposes to modify the Stonebrook Drive and Glen Heather Drive intersections to Restricted Crossing U-Turn intersections. Sidewalk is also proposed along the western side of Route 410 between Glen Heather Drive and Grandin Road Extension.	\$5,593,004 (does not include ROW)	
Hershberger Road	Hershberger Road	Cove Rd.	Peters Creek Road	Add turn lanes, C&G, sidewalk, bike lanes, drainage	\$ 20,000,000	
Hollins Road	Hollins Road	Orange Ave.	Liberty Rd.	Widening to 4 lanes w/bicycle lanes	\$ 6,000,000	

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Draft RVTP Report

Appendix L: Other Projects/Services to Pursue for Funding

Other Projects/Services to Pursue for Funding

Roanoke Valley Transportation Planning Organization



Introduction This spreadsheet lists other transportation projects to pursue in the Roanoke Valley Transportation Plan along with available information for understanding the scope of the project. Additional information will be added as the scopes become more detailed to develop project costs.
[see the NEST tool to map the projects: https://excelence-projects.com/excelence/?id=75551&id=485449&id=156574](https://excelence-projects.com/excelence/?id=75551&id=485449&id=156574)

Project Type	Vision				
RVTPO Title	Street	Limit From	Limit To	Description	Total Cost
13th St./Hollins Road	13th St./Hollins Rd.	Jamison Ave.	0.08 mi. N of Int. Orange Ave.	Bridge over RR tracks, streetscape, pedestrian and bicycle improvements, drainage	Unknown
West Main Street/Greenway Connection	Alignment Unknown	West Main Street	Roanoke River Greenway	Construct greenway connection for bicycles and pedestrians, from Roanoke River Greenway to West Main Street sidewalks (Unknown Alignment - TBD).	Unknown
U.S. 221/Brambleton Ave. pedestrian improvements	Brambleton Avenue	Roanoke City Limits	Electric Road	Construct sidewalk northbound and southbound along U.S. 221, from Roanoke City limits to Electric Road. Install crosswalks at Secondary street crossings, and pedestrian signals at signalized intersections.	Unknown
Rte. 679/Buck Mountain Rd. - urban 2-lane with turn lanes, bicycle and pedestrian improvements	Buck Mountain Road	Starkey Rd.	U.S. 220	Improve Rte. 679 to Urban 2-lane with turn lanes, and construct bicycle and pedestrian improvements, from Starkey Rd to U.S. 220.	Unknown
Challenger Avenue (Route 460) Corridor Safety Improvements	Challenger Avenue	Roanoke City Limits	Boletout County Limits	Eliminate or limit some turning movements to improve traffic flow on U.S. 460.	Unknown
Colonial Avenue	Colonial Avenue	Brandon Ave.	Overland Rd.	Streetscape, C&G sidewalk, widen 1-in, drainage	Unknown
Friendship Lane/Carvins Creek Bridge Replacement	Friendship Lane	Carvins Creek		Construct bicycle and pedestrian bridge over Carvins Creek at terminus of Friendship Lane.	Unknown
Rte. 682/Garst Mill Rd. - Bicycle and Pedestrian Improvements	Garst Mill Road	Brambleton Avenue	Grandin Road	Construct bicycle and pedestrian accommodations to Rte. 682, from Brambleton Av to Grandin Rd / Roanoke City limits.	Unknown
Rte. 634/Hardy Rd. - urban 4-lane or 2-lane with turn lanes, bicycle and pedestrian improvements	Hardy Road	Vinton Town Limits	Bedford County Limits	Improve Rte. 634 to Urban 4-lane or Urban 2-lane with turn lanes, and construct bicycle and pedestrian improvements, from Vinton to Bedford County.	Unknown
Explore Park Access - Hardy Rd./Blue Ridge Parkway Connection	Hardy Road	Blue Ridge Parkway		Construct interchange at Hardy Rd and Blue Ridge Parkway to make another more direct point of access to Explore Park.	Unknown
Rte. 625/Hershberger Rd. - Urban 2-lane with turn lanes, bicycle and pedestrian accommodations	Hershberger Road	Roanoke City Limits	Plantation Rd.	Improve Rte. 625 to Urban 2-lane with turn lanes, and construct bicycle and pedestrian accommodations, from Plantation Road to Roanoke City limits.	Unknown

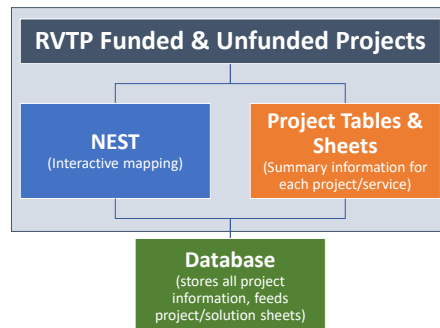
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Draft RVTP Report

RVTP Projects/Services Information

- Interaction with regional data, RVTP needs, priority needs, solutions, studies, and projects



- Funded (TIP) Project tables & Project sheets
- Priority projects to pursue (MTP) Project tables
- Other projects to pursue (MTP) Project tables

- Database of all RVTP information (projects, solutions, needs,)
- RVTPO staff manage and update as project details change (via TIP/RVTP amendments)
- Changes here automatically update project sheets

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Draft RVTP Report



• How Will RVTPO Implement the RVTP?

- Performance Measures
- Facilitating the PBPP process
- Tracking progress
- Updating the Plan over time

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RVTP StoryMap

Public-friendly summary of the RVTP, focusing on key information and highlights (not the entire process) and providing links to RVTP Report and NEST

- Introduction
- Needs (w/ interactive maps)
- Future Factors
- Regional Vision
- Projects (w/ interactive maps)

The screenshot shows a web page titled "Draft Roanoke Valley Transportation Plan" with a navigation menu including "Introduction", "Current Needs", "Future Factors", "Regional Vision", and "Projects". The main content area is titled "Introduction" and contains the following text:

Introduction

What is the Roanoke Valley Transportation Plan?

What is new to the Roanoke Valley Transportation Plan?

Where is the Roanoke Valley today?

What are Roanoke Valley's transportation needs?

The following series of maps, all needs are shown in blue on the left map. Through outreach and discussion with stakeholders, regional priorities for the next five years which do not have any funded projects addressing them are shown in red (priority gap needs).

Current Needs

Access Needs: Non-Transit

Non-transit access means being able to go places on existing roads. It is possible to go to almost all places using existing roads. However, this type of access also refers to a well-connected roadway system that allows for detours when crashes, construction, or other events block roads. It is also important to consider non-motorized access; while all destinations are accessible from roads, many are difficult to access for people not in cars and may be considered inaccessible to them; for example, obstacles in the public right-of-way prevent people with disabilities who are not in motor vehicles from accessing destinations.

Below the text is a map of the Roanoke Valley region showing roads and various colored markers (blue and red) indicating transportation needs. The map includes labels for locations like Blacksburg, Christiansburg, and Roanoke. A legend at the bottom states: "All non-transit access needs shown in blue, and priority gap needs shown in red."

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Next Steps



**TTC meeting
(September)**

Review Draft RVTP
report and key
questions

Comments due
9/16 from TTC



**Update RVTP
Report and develop
project sheets**

TTC to review Report and
StoryMap, RVTP team to
finalize content and
address TTC review findings

Develop updated Draft
RVTP Report (including
Appendices), StoryMap,
and funded project sheets
prior to TPO review



**TPO meeting
(Sept. 29th)**

Present Draft RVTP
to TPO



**Develop Final RVTP
for public comment**

RVTP team to address TPO
review findings and
finalize RVTP in preparation
for public comment period

Develop Final Draft RVTP
Report (including
Appendices), StoryMap,
and funded project sheets
(and other
summary/marketing
documents) for public
comment period



**TTC meeting
(October)**

Review Final RVTP
prior to public
comment period

STAFF REPORT

October 13, 2022 TTC Meeting

SUBJ: 2nd Draft of the Roanoke Valley Transportation Plan

The Draft RVTP report and supporting materials are available for RVTPO Policy Board and TTC review during September and October. The TTC was briefed on the Draft RVTP report at its September 9, 2022 meeting, and comments received during that meeting have been addressed in the current Draft available for review via the [Draft RVTP website](#).

The Draft RVTP represents the culmination of implementing the PBPP process and includes the content to satisfy the requirements for both the Metropolitan Transportation Plan (MTP) and the FY 2024-2027 Transportation Improvement Program (TIP). This unified RVTP includes funded projects over the next four years, unfunded fiscally constrained priority projects to pursue, and priority needs to address that RVTPO and partners will evaluate in coming years through implementation of the PBPP process.

Since the September 9th meeting, the RVTP team have updated the Draft RVTP as follows:

- Added content to the RVTP and updated the StoryMap to highlight the new details.
- Restructured and redefined the organization of the RVTP, including updated definitions of the role of the TIP, the MTP, fiscal constraint, and the approach supporting the developmental RVTP (outside of the federally required TIP and MTP).
- Provided access to new RVTP attachments, including documentation from the new RVTP PBPP process. Attachments now include the federally required system performance report and financial plan for review.
- Included the addressed needs within the System Performance Report and the other needs to review within the Public Engagement Summary.
- Relocated information previously contained in the vision list to the Priority Needs to Address attachment for continued work on scope development and cost estimating.
- Updated financial details associated with Funded Projects and Priority Projects to Pursue attachments with information provided by VDOT and jurisdictions.

The RVTP team continues to revise the RVTP report and supporting on-line materials in October as project details are finalized, and we receive input through the TPO Policy Board and TTC review. The public comment period is planned to begin on October 27th and run through November 27th, and include multiple opportunities for public input, including through a Metroquest survey. During December, the TTC and Policy Board will have an additional period for review in advance of TTC recommendation and Policy Board adoption in January 2023. TTC members are asked to provide any additional comments on the draft plan in advance of the public comment period by the TTC meeting on October 13.

TTC Action: None