

## MINUTES

The July meeting of the Transportation Technical Committee was held on Thursday, July 14, 2022 at 1:30 p.m. at the Roanoke Valley-Alleghany Regional Commission, 313 Luck Avenue, SW, Roanoke, VA.

### 1. WELCOME, CALL TO ORDER

The meeting was called to order by Vice-Chair Frank Maguire.

### 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
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
Dwayne D'Ardenne	City of Roanoke
Anita McMillan	Town of Vinton
Nathan McClung	Town of Vinton
William Long	Greater Roanoke Transit Company
Frank Maguire	Roanoke Valley Greenway Commission
Michael Gray( <i>via zoom</i> )	Virginia Dept. of Transportation - Salem District
Daniel Wagner	Virginia Dept. of Rail and Public Transportation

#### VOTING MEMBERS ABSENT

Dan Brugh	County of Montgomery
Crystal Williams	City of Salem
Cody Sexton, <i>Vice Chair</i>	Town of Vinton
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, Jeremy Holmes

**Others Present:** David Jackson, Cambridge Systematics; Anthony Ford VDOT; Dalton Kaiser, Community Development Intern Botetourt Co

### **3. CONTINUED DEVELOPMENT OF THE UPDATE TO ROANOKE VALLEY TRANSPORTATION PLAN**

Ms. Cristina Finch and Mr. David Jackson jointly delivered a PowerPoint presentation on the ongoing development of the Roanoke Valley Transportation Plan (RVTP). The presentation (attached) discussed the following items:

- RVTP schedule, process, and timeline
  - Needs to solutions to projects
  - Defining the differences between addresses, gap, and priority gap needs
  - Identifying potential solutions - scoring quartile and priority gap need
  - Identifying preferred solutions and considerations
  - Next steps: solutions to projects
    - Capital, services, and studies

Discussion ensued regarding the combination of the RVTP and the TIP, and the process of identifying comments and how they were translated into needs. Additional comments were made by Committee members regarding various needs and projects discussed during the presentation.

### **4. FIRST DRAFT OF AMENDMENT #6 TO THE VISION 2040:**

#### **A. Projects with Cost Increases 10% or More**

Ms. Alison Stinnette reviewed a working list of current projects on the RVTP Constrained List of Projects whose project budgets have increased 10% or higher. Discussion ensued regarding the various reasons, such as inflation and the current global market and health factors, for budget adjustments. Ms. Stinnette will continue to coordinate with locality staff to get updated project budget figures for the August TTC meeting.

#### **B. Review of Inclusion of SMART SCALE Round 5 Candidate**

Mr. Bryan Hill reviewed the current information obtained by staff on SMART SCALE project applications from localities, the RVTPO, and the RVARC (urbanized area only). At the time, several project applications were still without cost estimates. It was also noted that VDOT had not yet developed right-of-way phase estimates, which would change the overall project total. It was anticipated that many right-of-way estimates would be developed after the August 1 application deadline.

#### **C. Inclusion of New Projects to the Plan**

Mr. Bryan Hill distributed a handout (attached) and discussed the need for newly funded projects to be amended into the RVTP. Among these new projects were those recently adopted into the VDOT Six-Year Improvement Program—which would be added to the Constrained List of Projects. Two other projects are new SMART SCALE applications not currently found on the RVTP Vision List. Mr. Hill will continue to coordinate with locality staff to get the most updated project budget figures for the August TTC meeting when the amendment is considered for recommendation to the RVTPO Policy Board.



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rvtpo.org

**5. PURSUIT OF FEDERAL GRANTS**

Mr. Jonathan Stanton provided an update on the status of new funding opportunities through the 2021 Infrastructure Investment and Jobs Act. Staff will provide email updates to members based on the release of federal Notices of Funding Opportunities.

**6. ADJOURNMENT**

The Work Session adjourned at 3:30 p.m.

*Cristina D. Finch*

# Roanoke Valley Transportation Plan Update

Approach/Schedule/Solutions Update

*presented to*  
Transportation Technical Committee

*presented by*  
RVTPO, Cambridge Systematics, Inc.

  
CAMBRIDGE SYSTEMATICS

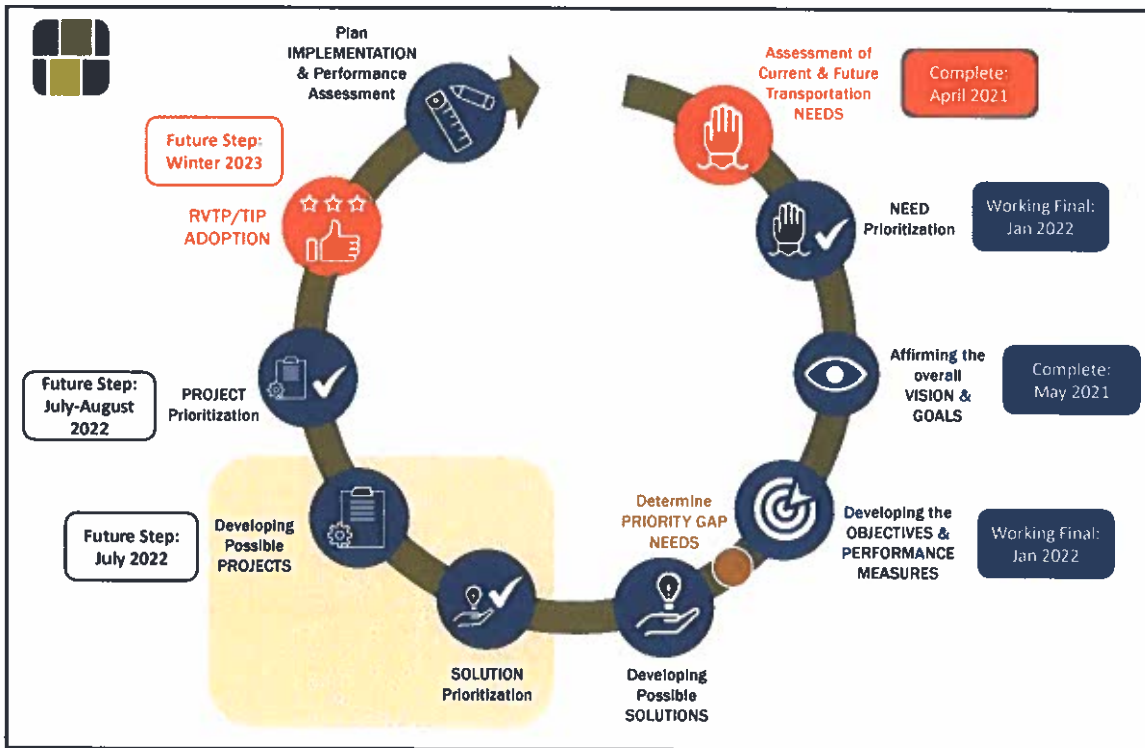
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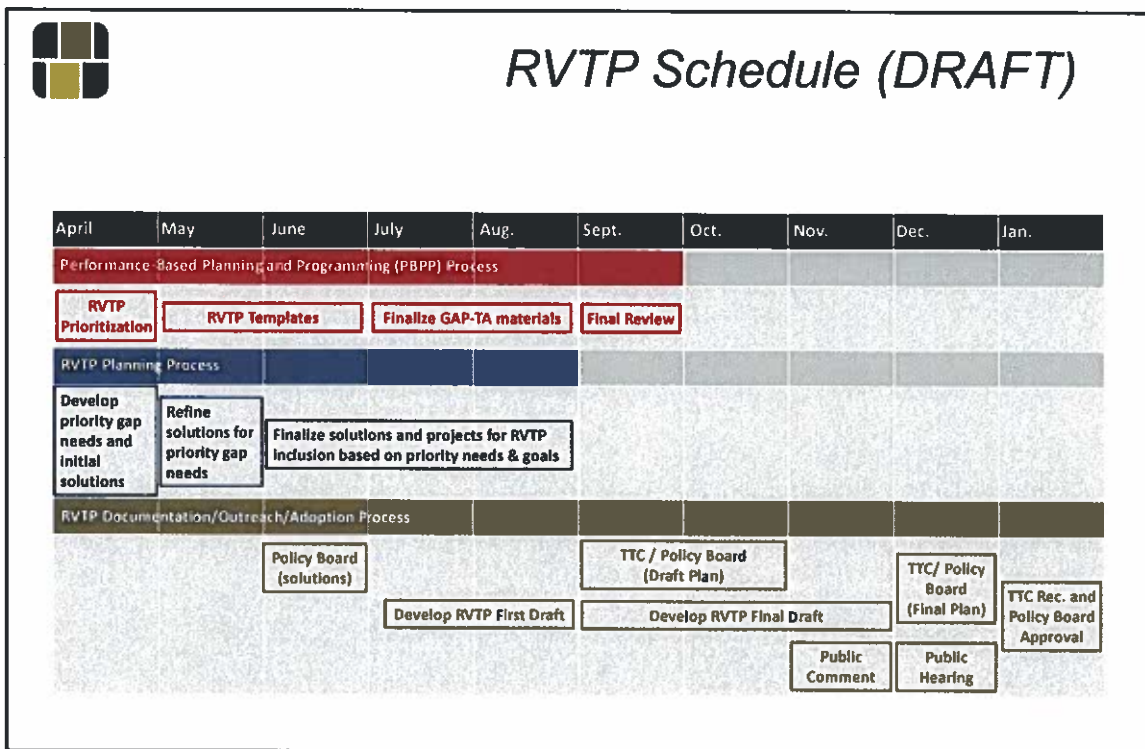
## Agenda

- RVTP Process Overview and Schedule
- Needs to Projects Process
- Solutions
  - Approach to identify Priority Gap Needs
  - Approach to identify Potential Solutions
  - Approach to determine Preferred Solutions
- Translating Solutions to Projects
  - Examples
- RVTP Content
- Next Steps

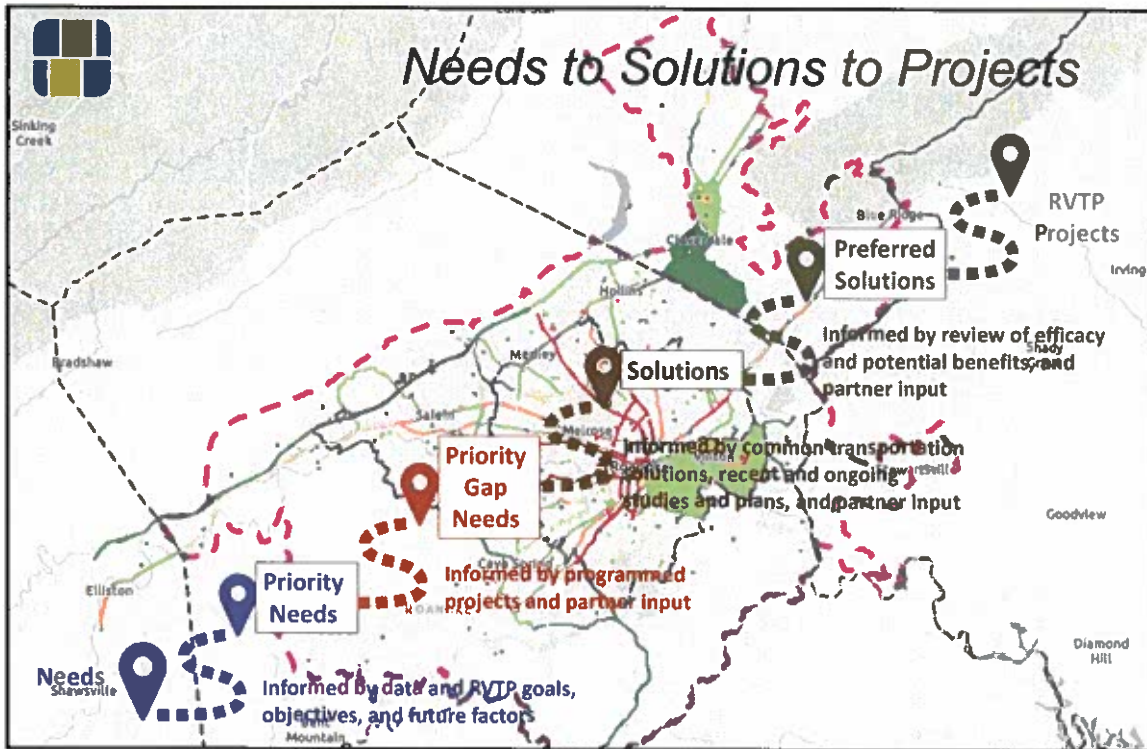
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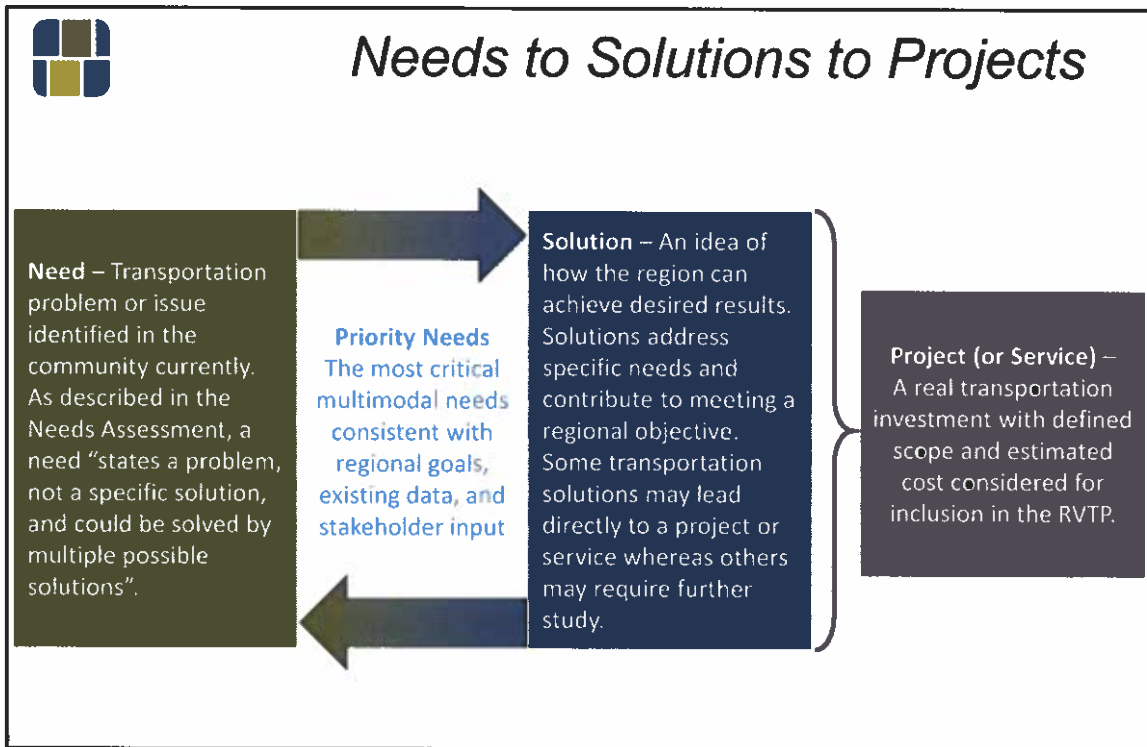
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# Needs to Solutions to Projects

**Addressed Need** – Proposed solutions and projects/services exist

Need addressed through a programmed (funded) project/service (SYIP/TIP)

**Gap Need** – Focus on priority needs where solutions or projects/services do not exist (or are not fully funded)

Funded project/service does not yet exist, but an unfunded, proposed project or concept and/or study might exist

Identify potential and preferred solutions to develop into projects/services (or studies)

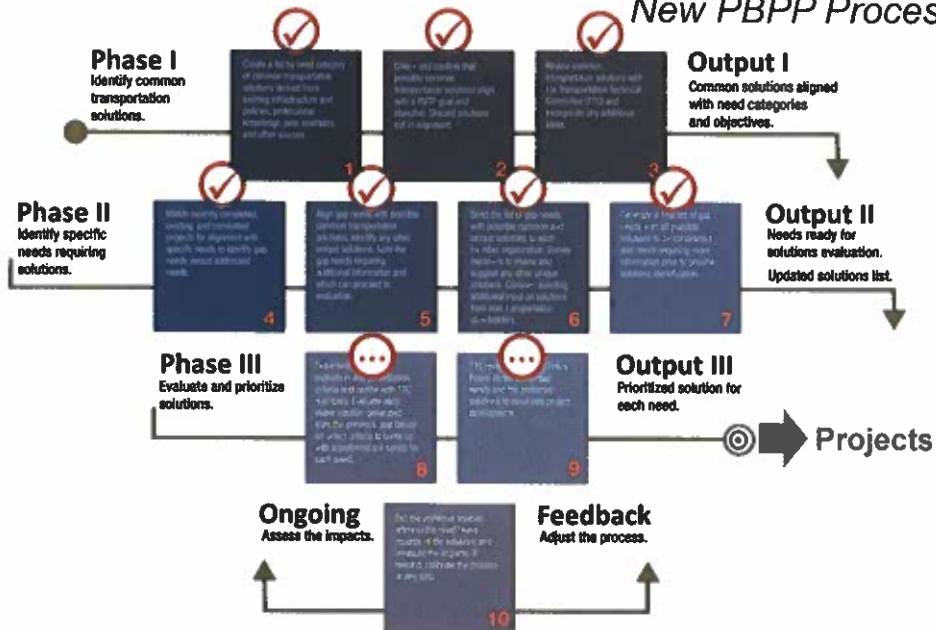
Identify project or service for potential inclusion in the RVTP

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# Needs to Solutions to Projects

## New PBPP Process



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## Solutions Start with Priority Gap Needs

### Complete Work

1. Compare Needs to Projects
2. Determine Overlaps
3. Identify Priority Gap Needs

Reached conclusions through using the NEST and TTC member input.

Need Type	Priority Gap Needs	Bedford	Botetourt	Managemery	Roanoke	Roanoke City	Salem	Vinton
Access (Non-Transit)	7	1	3	1	1	3	2	
Access (Transit)	7				6	5	5	5
Congestion	10		3	1	7	3	1	2
Safety (auto)	22	1	4		9	6	1	3
Safety (bike)	38		1	1	29	6	3	1
Safety (ped)	52		2		37	17	5	3
System Management (operations, assets)	8	1	3	1	4	2	2	1
System Management (transit)	13					8	4	1
<b>Total</b>	<b>157</b>	<b>3</b>	<b>16</b>	<b>4</b>	<b>93</b>	<b>50</b>	<b>23</b>	<b>16</b>

Note, this includes gap needs determined to be a priority by any jurisdiction. For needs crossing jurisdiction lines, if any jurisdiction identified as a priority, it is counted.

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## Solutions Identify Potential Solutions

### Complete Work

#### Identify Potential Solutions for Priority Gap Needs

- Based on common and unique transportation solution lists (originally developed in April)
- Based on prior programmed or planned projects/services (from the existing RVTPD constrained and vision list projects, past plans/studies, and ongoing plans/studies such as STARS or Project Pipeline)
- Based on TTC member review and input

Need Priority Score Quartile	Priority Gap Need
1	59
2	26
3	42
4	30
<b>Total</b>	<b>157</b>

Developed potential solutions for all priority gap needs

Focusing on higher priority needs within each need type for preferred solutions

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# Solutions

## Where Did Solutions Come From?

### Complete Work

#### Identify Potential Solutions for Priority Gap Needs

- **Possible Common Transportation Solutions** – Identify potential common transportation solutions given needs definition and local context. For each solution provide a general scope and rationale.
- **Possible Unique or Non-Transportation Solutions** – If applicable, identify other unique and/or non-transportation solutions to address the need.
- **Relevant Recent or Ongoing Studies and/or Recommendations** – For the priority gap need, identify planned projects, for example, projects in the fiscally constrained Vision 2040 plan, vision list projects, or other recommendations from recent plans or planning studies applicable to the need.
- **Needs Requires Additional Information** – Note if the priority gap need definition requires further clarification prior to determining potential solutions. This could occur as part of this process, through collaboration with the TTC, or as part of a future study.

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# Solutions

## Identify Preferred Solutions

### Ongoing Work

#### Identify Preferred Solutions

**Review Potential Solutions Based on Simple Criteria** – Qualitative review based on three factors: efficacy, unintended outcomes, future factors.

**Determine Preferred Solution** – Combine insights from TTC review and input with the criteria review to identify preferred solution(s).

**Translate Solutions to Projects, Services, and Studies within the RVTP** – For each preferred solution identify and define candidate projects, services, and studies.

Criteria	Rating	Considerations
<b>Efficacy</b>	Highly Effective (3), Moderately Effective (2), Somewhat Effective (1), or No Effect (0) (for each objective)	How effective is the solution expected to be at advancing the region toward its objectives?
<b>Potential to Generate Unintended New Needs</b>	Highly Unlikely (3), Unlikely (2), Likely (1), Certain (0)	What is the likelihood that this solution would exacerbate or create another problem or need?
<b>Resilience to Future Factors</b>	More Important (1) Less Important (0) (for each future factor)	If the future factors unfold as anticipated over the coming decades, does the solution become more or less important in meeting needs?

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# Solutions Constraining the List

## Ongoing Work

### Identify Preferred Solutions - Considerations

**Combining / Connecting Priority Gap Needs –** Multiple priority gap needs on a single corridor within a short distance should be considered for combination into a single priority gap need (enabling a solution that addresses multiple needs)

**One Solution Addressing Multiple Priority Gap Needs (or any need) –** Each solution should be reviewed to consider how it could potentially address other needs on the corridor or in the area (consider context and economy of scale)



Helps constrain potential project list and elevates more regionally significant solutions and projects

Multiple Priority Gap Needs in Downtown Roanoke



# Solutions to Projects

## Next Step

Preferred solutions for priority gap needs

### Projects

**Capital (Infrastructure):**

Defined project scopes and cost estimates (primarily roadway or active transportation based) for prioritization within the RVTP.

**Services:**

Defined investments to maintain and strategically expand transportation services like public transit, intercity bus service, passenger rail, and other mobility services.

**Studies:**

Where obvious solutions and/or projects are not ready for inclusion on the RVTP, the team will identify the need for future studies.

Incorporated within the project prioritization approach to identify projects for inclusion in the plan

August – refine and prioritize projects

GAP-TA Prioritization Process document available in June agenda packet



# Needs to Solutions to Projects Examples

Using the NEST and other resources to inform potential solutions, preferred solutions, and possible projects/services/studies

### RVTP Needs Evaluation and Solutions Tool (NEST)

View Needs with Prioritized Needs

Search by Project LPC, Title, or Description  
Search for Prioritized Needs

Click the icon in the map to view legend and sub-layer control

Roanoke Valley Transportation Planning Organization

**Select Prioritized Needs by Location**

- Needs Location: All

**Select Prioritized Needs Type**

- Prioritized Transportation Needs: All

**Select Programmed Project Type**

- Remove Transit Projects from View
- SVP and TP Projects: All
- Project Type: All
- Transportation Solution: All

**Select Plan / Study Type**

- Plans and Studies: All
- Study / Plan Type: All

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# RVTP Content "One-stop shop"

Next Step

Traditional report meeting requirements and telling the complete story of RVTP development

Meet public engagement requirements  
Meet Federal metropolitan planning & programming requirements

RVTP Report

Includes need, solution, and project details

Planning tool for partners and public to interact with RVTP needs, solutions, and projects (RVTP NEST)

RVTP Interactive Maps

RVTP Interactive Story

Interactive, web-based highlights of the Plan for diverse audiences

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## Next Steps (July-September)



**Refine and finalize preferred solutions (ongoing)**

RVIP team and TTC members to develop and review preferred solutions

Staff to coordinate with members to reach conclusions on preferred solutions



**Develop projects and start prioritization (by end of July)**

RVTP team to refine projects, services, and studies and setup and implement prioritization process

RVTP team to implement prioritization process developed by GAP team



**TTC meeting (August)**

RVTP team to review preferred solutions, projects, and prioritization approach



**Finalize project development and prioritization (by end of August)**

RVTP team to develop project scopes, costs, and finalize prioritization

RVTP team to finalize and document project lists



**Develop Draft RVTP (by early September)**

RVIP team to develop Draft RVTP for TTC review

**STAFF BRIEFING**

July 14, 2022 TTC Work Session

**First Draft of Amendment #6 to the Vision 2040: Roanoke Valley Transportation Plan: Inclusion of New Projects to the Plan**

As the FY23-28 Six-Year Improvement Program was adopted last month, this discussion will include a list of new projects to the Roanoke Valley Transportation Plan (RVTP) that have received funding since the most recent amendment.

UPC	Project Name	Locality	Cost Estimate
T26374	Churchill And Grandview - Drainage Improvements - Roanoke	Roanoke	\$838,000
T26375	3600 Block Peakwood Dr - Drainage Improvements - Roanoke	Roanoke	\$471,000
T26384	Shenandoah Ave Diversion - Drainage Improvements - Roanoke	Roanoke	\$3,764,000
T26386	1400-1500 Block Main St Drainage Improvements - Roanoke	Roanoke	\$1,969,000
T26392	West End Drainage Project - Phase 1 - Roanoke	Roanoke	\$1,168,000
T26395	18th St. SE (Wise - Tazewell)- Curb, Gutter, SW - Roanoke	Roanoke	\$3,297,000
T26750	Glade Creek Greenway Phase 3 PE/Study	Vinton	\$275,000
T26754	I-581-Exit 2 (Peters Creek Rd) Interchange Improvements Ph 1	Multi-jurisdictional	\$16,998,000
T26782	Williamson Rd Pedestrian Safety - Roanoke	Roanoke	\$575,000
T26802	Glade Creek Greenway Vinyard Park West - Roanoke Co	Roanoke County	\$651,000
T27104	#BF - City of Roanoke - Bridge Replace Persinger Rd - Year 4	Roanoke	\$3,905,000
T27105	#BF - City of Roanoke - Super Replace 13th Street - Year 4	Roanoke	\$6,822,000
120996	#BF - Salem Year 3 - Bridge Rehab Contract (B)	Botetourt County	\$6,156,000
121969	8th Street, NW - Curb, Gutter, SW - Roanoke	Roanoke	\$3,077,000
121998	Salem - Franklin Street Improvements	Salem	\$5,485,000
121999	Grayson Ave, NW - Curb, Gutter, SW - Roanoke	Roanoke	\$3,135,000
121971	#SGR23lp - Roanoke Fkey 1556 Campbell Ave SW	Roanoke	\$381,000
121977	#SGR23lp - Roanoke Fkey 1554 Campbell Ave SW	Roanoke	\$451,000
122001	Tyree and Tennessee Drainage Improvements - Roanoke	Roanoke	\$849,000
122002	4000 Block Virginia Ave, NW - Drainage Improvements - Roanoke	Roanoke	\$893,000

**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