

July 21, 2016

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

DATE: Thursday, July 28, 2016

TIME: 1:00 p.m.

LOCATION: Roanoke Valley-Alleghany Regional Commission office
 (Top Floor Conference Room), 313 Luck Ave., SW, Roanoke, VA

AGENDA

1. Call to Order, Roll Call, Introductions *Chair Johnson*
2. Approval of the June 23, 2016 Minutes, pp. 3-6 *Chair Johnson*
3. Final Report of the 2016 TMA Certification Review of the *Ryan Long,*
 Roanoke Valley Transportation Planning Organization *Federal Transit Administration*
 (Attachment #1)
4. **PUBLIC HEARING (Sign-Up Requested/3-Minute Limit Per Speaker)**
 Presentation of an Amendment to the FY 2015-2018 Transportation *Bryan Hill*
 Improvement Program (TIP), pp. 7-22
Open Public Hearing – Comment Period – Close Public Hearing *Chair Johnson*
5. Adoption of Supporting Resolution Approving the Amendment *Chair Johnson*
 to the FY 2015-2018 Transportation Improvement Program (TIP), p. 23

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

6. FY'17 SMART SCALE Candidate Project Application *Bryan Hill*
Recommendations, p. 24
7. Adoption of Supporting Resolution Endorsing SMART SCALE *Bryan Hill*
Grant Application Submissions from the RVTPO, pp. 25-26
8. Discussion of Financially Constrained List of Projects *Bryan Hill/Mark McCaskill*
(Information to be distributed at meeting)
9. Other Business
 - Regional Surface Transportation Program (RSTP) Update -- Due to a full July TPO agenda, and after consultation with the new Chair of the Transportation Technical Committee (TTC), RSTP discussion will be postponed until the August TPO Policy Board meeting. Staff will present the decision-making context and the TTC Chair will present the TTC's recommendation to the TPO Policy Board at their August meeting.
10. Comment Period
11. Adjournment

Public Input Policy

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

ADA Compliance

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

MINUTES

The June meeting of the Roanoke Valley Transportation Planning Organization (RVTPO) Policy Board was held on Thursday, June 23, 2016 at 1:00 p.m. at the Roanoke Valley-Alleghany Regional Commission office, 313 Luck Avenue, SW, Roanoke, VA.

MEMBERS PRESENT

George Assaid	Roanoke County
Bill Bestpitch	City of Roanoke
Ray Ferris, <i>Vice Chair</i>	City of Roanoke
Jane Johnson, <i>Chair</i>	City of Salem
Diana Lewis	Roanoke-Blacksburg Regional Airport
Billy Martin, Sr.	Botetourt County
Lee Osborne	Roanoke Valley-Alleghany Regional Commission
Janet Scheid	Town of Vinton
Bill Thomasson	Bedford County
Michael Gray (<i>for Ken King</i>)	Virginia Dept. of Transportation-Salem District

1. CALL TO ORDER, ROLL CALL, INTRODUCTIONS

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

The following guests were in attendance: Josh Baumgardner, Roanoke Regional Chamber; Liz Belcher, Roanoke Valley Greenway Commission member, Transportation Technical Committee; Richard Caywood, Roanoke County; David Holladay, Roanoke County member, and Chairman, Transportation Technical Committee; and Anita McMillan, Town of Vinton.

2. APPROVAL OF MAY 26, 2016 MINUTES

The Minutes of the May 26, 2016 meeting of the Roanoke Valley Transportation Planning Organization Policy Board were distributed earlier.

Roanoke Valley TPO Policy Board Action:

Upon motion by Ray Ferris, seconded by Billy Martin and carried, the Minutes of the May 26, 2016 meeting of the Roanoke Valley Transportation Planning Organization Policy Board were approved, as presented.

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

3. REPORT BY THE CHAIR

Chair Johnson announced that Shane Sawyer, who served as a Regional Planner III with the Roanoke Valley-Alleghany Regional Commission for the past 15 years, resigned in May to take a position at the VDOT-Richmond office. The Regional Commission has concluded the interview process and hopes to have a replacement on board in early July.

4. REGIONAL SURFACE TRANSPORTATION PROGRAM (RSTP) DISCUSSION

At the June TPO Policy Board meeting, it was reported that the Roanoke Valley TPO area was projected to receive \$9,243,360 in additional RSTP funding in years 2017 through 2022. Members were asked to provide their feedback/guidance on how to go about distributing the additional funding. At the conclusion of the June meeting, the Policy Board directed staff to: (1) look at other TPOs in the Commonwealth and how they distribute their RSTP funding, and (2) review the updates from project managers on cost estimates/overruns of previous RSTP applications.

Staff distributed a handout at the meeting entitled “RSTP Cost Estimate Revisions”, which outlined the following three existing RSTP projects with cost overruns:

Project: Roanoke River Greenway – Eddy Avenue Bridge (UPC 50409)
Locality: City of Salem
Updated Estimate: \$873,114
Previous Funding: \$646,000
Shortfall: \$226,514

Project: Roanoke River Greenway (UPC 105439,102769)
Locality: City of Roanoke
Updated Estimate: \$8,100,000
Previous Funding: \$4,500,000
Shortfall: \$3,600,000

Project: Tinker Creek Greenway *
Locality: City of Roanoke
Updated Estimate: \$5,000,000
Previous Funding: \$1,220,000
Shortfall: \$3,780,000

TPO members directed the staff to undertake the following 4 tasks and report back at the July meeting.

- 1) Confirm the status of the Tinker Creek request with City of Roanoke staff. (**NOTE: After the meeting, Mr. McCaskill verified with City of Roanoke staff that the Tinker Creek Greenway project did not have a shortfall but was only asking to move existing funds up to FY'17. The information that was presented at the TPO meeting concerning the Tinker Creek Greenway was in error.*)
- 2) Obtain additional information from project managers on cost overruns and plug in information as a “scenario” of the Six-Year Financial Plan.

- 3) Research whether other TMA-MPOs in Virginia keep a “reserve fund” for RSTP.
- 4) Ask Valley Metro if there are any changes in the Bus Replacement Schedule that would have a bearing on RSTP.

5. **DISCUSSION OF CANDIDATE HOUSE BILL 2 PROJECTS FOR SUBMISSION BY THE RVTPO**

Bryan Hill stated that the statewide transportation prioritization process previously known as House Bill 2 (HB2) has been renamed SMART SCALE by the Secretary of Transportation’s Office. (SMART SCALE stands for System for the Management and Allocation of Resources for Transportation Safety Congestion Accessibility Land Use Economic Development and Environment.)

Staff has started discussions with localities and the TTC on priorities for new projects and those projects not recommended for funding in FY17. Staff has centered its focus on projects found in local and regional plans in order to develop project priorities. Staff anticipates an endorsement by the TPO Policy Board in July on candidate projects. By August 1, the SMART SCALE application window opens. In order to receive priority in terms of receiving technical assistance from VDOT and DRPT, basic application information should be entered into the online application portal by August 15, 2016. The deadline for project submissions is September 30, 2016. Scores will be released in January 2017 and following in the spring, the CTB will review and hold public meetings on the Six-Year Improvement Program.

Discussion focused on new projects that the TPO could submit or projects to resubmit for the next round of SMART SCALE funding. Michael Gray stated that applicants might want to think about submitting smaller projects, rather than “big ticket” projects. Mr. Hill reported that the total amount available for SMART SCALE funding for next year is less than half of the \$84 million in the District Grant competition from the first round.

Staff noted the projects that were not funded last year which included the lighting project from Exits 137 to 150 and the Botetourt County auxiliary lane from Exit 150 to the truck scales.

The TPO felt that I-81 is important to the region and perhaps breaking it into smaller auxiliary lane and ramp extension projects would gradually accomplish long-term widening goals.

Mr. Ferris asked VDOT staff to evaluate the concept of breaking up I-81 into auxiliary lane projects by ranking them in order of importance by safety. TPO staff was asked to report back on the following proposed I-81 projects at the next TPO meeting: (1) Auxiliary Lanes 141 to 143 Southbound; (2) Exit 150 Southbound to the weigh station; (3) Ramp Extensions 140 to 141 ramp connection in either direction; and (4) Exit 143 Southbound ramp extension.

6. **DISCUSSION OF FINANCIALLY CONSTRAINED LIST OF PROJECTS**

Mark McCaskill reported that staff is seeking feedback from the Policy Board to get projects in the financially constrained list. He noted that any projects that do not fit in the financially constrained list can be candidates for the vision list. In order to be able to approve a long-range plan at the September meeting, staff would like to have a reasonably final draft of the financially constrained list to present at the August TPO meeting. New project ideas came

from the City of Roanoke, TPO staff, Valley Metro and other regional and comprehensive plans. Staff stated that they would continue further developing the draft financially constrained list with the Transportation Technical Committee and Citizens Advisory Committee and provide Policy Board members with a better list for discussion at the July TPO meeting.

7. OTHER BUSINESS

- Michael Gray, VDOT, Salem District, noted that there would need to be a public hearing for a TIP amendment at the July TPO Policy Board meeting. The changes are to add new and grouped projects that were scored by the HB2 process (now known as SMART SCALE) and subsequently funded by the Commonwealth Transportation Board. Mr. Gray noted that in order to get federal money moving forward for those projects, a TIP adjustment/amendment would be needed. Staff will advertise a 30-day public comment period so that the TPO Policy Board can take action on the amendment to the 2015-2018 TIP at their July 28, 2016 meeting. Mr. Gray stated that VDOT will provide the TPO staff with TIP amendment financial obligation information as soon as they can. VDOT requests that the TPO planners proceed and start the 30-day comment period with the understanding that information from VDOT is forthcoming.
- Bill Bestpitch thanked Cristina Finch for her recent presentation to the Kiwanis Club on the (Draft) Roanoke Valley Transit Vision Plan.

The meeting was adjourned at 2:40 p.m.

Submitted by:

Wayne Strickland, Secretary,
Roanoke Valley Transportation Planning Organization

STAFF REPORT

SUBJ: Amendment to the FY2015-2018 Transportation Improvement Program (TIP)

At the June meeting of the TPO Policy Board, VDOT informed the board that it would be requesting an amendment to the FY2015-2018 TIP. On June 26, 2016, a 30-day public review and comment period for the TIP amendment began. The Amendment includes six projects for consideration into the 2015-2018 TIP, as follows:

Roanoke MPO

Urban Projects

UPC NO	108896	SCOPE	Facilities for Pedestrians and Bicycles			
SYSTEM	Urban	JURISDICTION	Roanoke	OVERSIGHT	NFO	
PROJECT	#HB2.FY17 Colonial Avenue Improvements			ADMIN BY	Locally	
DESCRIPTION	FROM: Dogwood Lane SW TO: Overland Road SW (0.5000 MI)					
PROGRAM NOTE	TIP AMD - add \$225,000 (HSIP) FFY16 & \$280,000 (TAP) FFY16. (lco 6/30/16)					
ROUTE/STREET	COLONIAL AVENUE (8001)			TOTAL COST	\$7,000,000	
	FUND SOURCE	MATCH	FY15	FY16	FY17	FY18
PE	Federal - HSIP	\$25,000	\$0	\$225,000	\$0	\$0
	Federal - TAP/F	\$70,000	\$0	\$280,000	\$0	\$0
PE TOTAL		\$95,000	\$0	\$505,000	\$0	\$0
MPO Note						

Roanoke MPO

Primary Projects

UPC NO	108905	SCOPE	Reconstruction w/o Added Capacity			
SYSTEM	Primary	JURISDICTION	Roanoke County	OVERSIGHT	NFO	
PROJECT	#HB2.FY17 Lila Dr / Rte 115 Intersection Safety Improvements			ADMIN BY	VDOT	
DESCRIPTION	FROM: Lila Drive TO: Route 115 (Plantation Road) (0.1000 MI)					
PROGRAM NOTE	TIP AMD - add \$190,981 (NHPP) FFY16 PE phase. (lco 6/24/16)					
ROUTE/STREET	PLANTATION ROAD (0115)			TOTAL COST	\$1,269,396	
	FUND SOURCE	MATCH	FY15	FY16	FY17	FY18
PE	Federal - NHPP	\$0	\$0	\$190,981	\$0	\$0
MPO Note						

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

Staff Report (Cont'd)

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Additionally, there are four new RSTP projects which are being added to this amendment. Those projects are:

1. Valley Metro and Southern Area Agency on Aging Transit Vehicle Replacements
2. Tinker Creek Pedestrian Bridge
3. Tinker Creek Trail Extension
4. Tinker Creek Connectivity Study

These new projects are being amended into the TIP and all other new projects are being grouped, which do not require any revision to the TIP.

An official public hearing on the proposed Amendment will take place at a meeting of the RVTPO Policy Board on Thursday, July 28, 2016 at 1:00 p.m.

A draft supporting resolution for consideration by the TPO Policy Board is attached.

**VIRGINIA DEPARTMENT OF RAIL AND PUBLIC TRANSPORTATION
STATEWIDE TRANSPORTATION IMPROVEMENT PROGRAM
TRANSIT COSTS (in \$1,000)**

FY2015 - 2018

	Previous Funding	FY 2015	FY 2016	FY 2017	FY 2018	Total FY 2015-2018	
ROANOKE VALLEY AREA METROPOLITAN PLANNING ORGANIZATION							
STIP ID:	GRT0001	Title: Operating Assistance		Recipient: Greater Roanoke Transit Company			
FTA 5307		1,874	1,855	2,422	1,874	FTA 5307	8,025
FTA 5311		348	335	354	348	FTA 5311	1,385
State		1,892	1,684	2,169	1,892	State	7,637
Local		2,359	2,167	1,566	2,359	Local	8,451
Revenues		2,373	2,903	2,314	2,373	Revenues	9,963
Year Total:	-	8,846	8,944	8,825	8,846	Total Funds:	35,461
Description:	Includes Fixed-Route, SmartWay and SmartWay connector Bus Adjustment. Adj #10- Increase FY16 funding by \$98K (decrease FTA5307 by \$19K, decrease FTA5311 by \$13K, decrease state by \$208K, decrease local by \$192K, and increase revenues by \$530K) in accordance with FY2016 SYIP. Approved by MPO 6/3/2015. Approved by DRPT 6/17/2015. Adjustment - Decrease total FY17 funding by \$21K (increase FTA 5307 \$548K, increase FTA5311 \$6K, increase State \$277K, decrease local \$793K, decrease revenues \$59K) in accordance with FY17-22 SYIP.						
STIP ID:	GRT0002	Title: Preventative Maintenance		Recipient: Greater Roanoke Transit Company			
FTA 5307		599	599	599	599	FTA 5307	2,396
State						State	-
Local		149	149	149	149	Local	596
Year Total:	-	748	748	748	748	Total Funds:	2,992
Description:							
STIP ID:	GRT0003	Title: Assoc.Transit Improvements		Recipient: Greater Roanoke Transit Company			
FTA 5307		25	25	-	25	FTA 5307	75
State		5	5	-	5	State	15
Local		1	1	-	1	Local	3
Year Total:	-	31	31	-	31	Total Funds:	93
Description:	Adjustment- Remove funding from FY17 (FTA 5307 \$25K, State \$5K, local \$1K) in accordance with FY17-22 SYIP.						
STIP ID:	GRT0004	Title: Replacement Bus		Recipient: Greater Roanoke Transit Company			
FTA 5339				133		FTA 5339	133
Flexible STP		144				Flexible STP	144
RSTP	448			1,437	1,564	RSTP	3,001
State	112		1,792	2,178	391	State	4,361
Local		36	843	849		Local	1,728
Year Total:	560	180	2,635	4,597	1,955	Total Funds:	9,367
Description:	Previous funding to replace one SmartWay bus. Adj. #10- Add funding to FY15 (Flexible STP \$144K, local \$36K); add funding to FY16 (state \$1,792K, local \$843K); increase funding for FY17 by \$2,635K (increase state \$1,792K, increase local \$843K) for planned multi-year funding of bus purchases. Approved by MPO 6/3/2015. Approved by DRPT 6/17/2015. Adjustment - Decrease FTA 5339 \$155K, increase State \$350K, decrease local \$30K in accordance with FY17-22 SYIP. Amendment - Add funding to FY17 (RSTP \$1,437k) and FY18 (RSTP \$1,564k and State \$391k).						
STIP ID:	GRT0005	Title: Expansion Bus		Recipient: Greater Roanoke Transit Company			
FTA 5339						FTA 5339	-
State						State	-
Local						Local	-
Year Total:	-	-	-	-	-	Total Funds:	-
Description:							
STIP ID:	GRT0006	Title: Support Vehicles		Recipient: Greater Roanoke Transit Company			
FTA 5339						FTA 5339	-
Flexible STP		33				Flexible STP	33
State						State	-
Local		8				Local	8
Year Total:	-	41	-	-	-	Total Funds:	41
Description:	Adj #10- Add funding \$41K for FY15 (Flexible STP \$33K, local \$8K); remove funding from FY16 (FTA 5339 \$24K, state \$3K, local \$3K). Approved by MPO 6/3/2015. Approved by DRPT 6/17/2015.						
STIP ID:	GRT0007	Title: Purchase Bus Shelters		Recipient: Greater Roanoke Transit Company			
FTA 5339				-	80	FTA 5339	80
State				-	10	State	10
Local				-	10	Local	10
Year Total:	-	-	-	-	100	Total Funds:	100

Roanoke Valley MPO

**VIRGINIA DEPARTMENT OF RAIL AND PUBLIC TRANSPORTATION
STATEWIDE TRANSPORTATION IMPROVEMENT PROGRAM
TRANSIT COSTS (in \$1,000)**

FY2015 - 2018

	Previous Funding	FY 2015	FY 2016	FY 2017	FY 2018	Total FY 2015-2018
ROANOKE VALLEY AREA METROPOLITAN PLANNING ORGANIZATION						
STIP ID:	GRT0014	Title: Purchase Route Signage		Recipient: Greater Roanoke Transit Company		
FTA 5339				-		FTA 5339
State				-		State
Local				-		Local
Year Total:	-	-	-	-	-	Total Funds:
Description:	Adjustment- Remove funding from FY17 (FTA 5339 \$24K, State \$5K, local \$1K) in accordance with FY17-22 SYIP.					
STIP ID:	GRT0016	Title: Rehabilitate/Rebuild Buses		Recipient: Greater Roanoke Transit Company		
FTA 5311			360			FTA 5311
State			72			State
Local			18			Local
Year Total:	-	-	450	-	-	Total Funds:
Description:	Amendment #6- Add new project and \$450K funding to FY16 (add FTA 5311 \$360K, add state \$72K, add local \$18K) for planned funding to rehabilitate/rebuild four Smart Way buses in accordance with FY2016 SYIP. TIP amendment from MPO approved 6/26/2015. Approved by FTA 8/7/2015.					
STIP ID:	RAD0001	Title: Operating Assistance (Former JARC)		Recipient: RADAR - UHSTS, Inc. Roanoke County		
JARC		208	260	263		JARC
State						State
Local		207	259	262		Local
Revenues		15	15	15		Revenues
Year Total:	-	430	534	540	-	Total Funds:
Description:	CORTRAN operating assistance. Adj. #10- Increase funding by \$387K in FY16 (increase FTA5316 by \$194K, increase local by \$193K) in accordance with FY2016 SYIP. Approved by MPO 6/3/2015. Approved by DRPT 6/17/2015. Adjustment- Add funding of \$540K (FTA 5316 \$263K, local \$262K, revenues \$15K) for FY17 in accordance with FY17-22 SYIP.					
STIP ID:	RAD0002	Title: New Freedom Operating Assistance		Recipient: RADAR - UHSTS, Inc. Roanoke County		
FTA 5310		85	123	95	85	FTA 5310
State		68	98	76	68	State
Local		17	25	19	17	Local
Revenues		9	13	10	9	Revenues
Year Total:	-	179	259	200	179	Total Funds:
Description:	STAR (Valley Metro), CORTRAN (Roanoke County) operating assistance and Local Office on Aging taxi voucher assistance. Adj. #10 - Increase funding by \$80K in FY16 (increase FTA5310 by \$38K, increase state by \$30K, increase local by \$8K, and increase revenues by \$4K) in accordance with FY2016 SYIP. Approved by MPO 6/3/2015. Approved by DRPT 6/17/2015. Increase funding by \$21K in FY17 (increase FTA5310 \$10K, increase state \$8K, increase local \$2K, increase revenues \$1K) in accordance with FY17-22 SYIP.					
STIP ID:	RAD0003	Title: Paratransit Vehicles		Recipient: RADAR - UHSTS, Inc. Roanoke County		
FTA 5310		104	156	104	104	FTA 5310
State						State
Local		26	39	26	26	Local
Year Total:	-	130	195	130	130	Total Funds:
Description:	Replacement vehicles (2) per year. Adj. #10- Increase funding by \$65K in FY16 (increase FTA5310 by \$52K and increase local by \$13K) in accordance with FY2016 SYIP. Approved by MPO 6/3/2015. Approved by DRPT 6/17/2015.					
STIP ID:	SAAA0001	Title: Paratransit Vehicles		Recipient: Southern Area Agency on Aging		
FTA 5310				52		FTA 5310
State						State
Local				13		Local
Year Total:	-	-	-	65	-	Total Funds:
Description:	Amendment: Add new project for FY17 (add FTA 5310 \$192K, add local \$48K) in accordance with FY17-22 SYIP.					
STIP ID:	SAAA0002	Title: New Freedom Operating Assistance		Recipient: Southern Area Agency on Aging		
FTA 5310				5		FTA 5310
State				4		State
Local				1		Local
Year Total:	-	-	-	10	-	Total Funds:
Description:	Amendment: Add new project for FY17 (add FTA 5310 \$5K, add State \$4K, add local \$1K) in accordance with FY17-22 SYIP.					



CITY OF ROANOKE AND TOWN OF VINTON, VIRGINIA

RSTP Funds Joint Application

FOR

**Tinker Creek Pedestrian Bridge: Tinker Creek and
Glade Creek Greenways Connection**

Date: September 15, 2014

RSTP Project Profile – Candidate Project

Please limit overall application to a maximum of 5 pages (11 pt. font 1.5 spacing) – supporting materials such as a previous study or aerial photography may be submitted as an addendum and not subject to 5 pages maximum.

1. Project Sponsor(s): City of Roanoke and Town of Vinton, Virginia
2. Proposed Implementing Agency: City of Roanoke and Town of Vinton, Virginia
3. Project Description and Attached Aerial Showing Proposed Improvement Location:

Tinker Creek Pedestrian Bridge – Connection to Tinker Creek Greenway and the proposed Glade Creek Greenway, see Attachment A.
4. Detailed Scope of Work, proposed Schedule and Relation to Other Projects or Project Phases, Project Status, and Other Funding Sources: (attach document if extra space is needed – please refer to overall application limit noted above)
Attachment A: Aerial Location Map, Project Description and Scope of Work
Attachment B: Schedule and Relation to Other Projects and Project Phases
Attachment C: Other Funding Sources

Items 5-9 Pertain to Highway Projects:

5. Functional Classification: Pedestrian and Bicycle Shared Use Facility
6. Existing Traffic Volume and Level of Service with Improvement:
7. Existing Volume/Capacity:
8. Future Traffic Volume or Projected Ridership with Service Implementation:
9. Future Volume/Capacity and Level of Service:
10. Estimated Project Cost by Phase (Preliminary Engineering, Right-of-Way (including utilities) and Construction (including administration): (attach a detailed cost estimate and/or budget to support your application)

PE: \$145,000

CN: \$1,314,500

Breakdown of Costs Continued on Next Page

Tinker Creek Pedestrian Bridge
 Minimum Length of 250 feet
 Cost Estimate

Item	250 Feet Bridge
Engineering/Design Fees	\$120,000
Environmental Document	\$5,000
Surveying	\$5,000
VDOT Review Charge	\$15,000
PE Phase Total Costs: Subtotal	\$145,000
Mobilization	\$30,000
Grading	\$30,000
Drainage/SWM	\$10,000
Bridge (250' Span)/Erection of Bridge	\$830,000
Ramps and Approaches	\$190,000
Parking	\$15,000
Trail Construction	\$80,000
Work Area Protection	\$10,000
Base Bid Total Costs: Subtotal	\$1,195,000
Const Contingency (10%)	\$119,500
Total Costs	\$1,459,500



CITY OF ROANOKE, VIRGINIA

RSTP Funds Application

FOR

**Tinker Creek Trail Extension from Wise Avenue to
Orange Avenue**

Date: September 15, 2014

RSTP Project Profile – Candidate Project

Please limit overall application to a maximum of 5 pages (11 pt. font 1.5 spacing) – supporting materials such as a previous study or aerial photography may be submitted as an addendum and not subject to 5 pages maximum.

1. Project Sponsor(s): City of Roanoke, Virginia
2. Proposed Implementing Agency: City of Roanoke, Virginia
3. Project Description and Attached Aerial Showing Proposed Improvement Location:
Tinker Creek Extension from Wise Avenue to Orange Avenue
4. Detailed Scope of Work, proposed Schedule and Relation to Other Projects or Project Phases, Project Status, and Other Funding Sources: (attach document if extra space is needed – please refer to overall application limit noted above)

Attachment A: Project Description, Scope of Work, and Aerial Location Map

Attachment B: Schedule and Relation to Other Projects and Project Phases

Items 5-9 Pertain to Highway Projects:

5. Functional Classification:
Off-road shared use facility
6. Existing Traffic Volume and Level of Service with Improvement:
n/a
7. Existing Volume/Capacity:
8. Future Traffic Volume or Projected Ridership with Service Implementation:
9. Future Volume/Capacity and Level of Service:
10. Estimated Project Cost by Phase (Preliminary Engineering, Right-of-Way (including utilities) and Construction (including administration): (attach a detailed cost estimate and/or budget to support your application)
PE: \$200,000
RW: \$20,000
CN: \$1,000,000

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Task by Project Development Phase	Project Cost	
PRELIMINARY ENGINEERING PHASE		
Engineering/Design Fees	\$	150,000.00
Environmental Document	\$	20,000.00
Surveying	\$	30,000.00
Estimated VDOT Review Charges	\$	-
PE Phase TOTAL COSTS	\$	200,000.00
RIGHT OF WAY PHASE		
Right of Way Purchase	\$	20,000.00
Utility Relocation	\$	-
RW Phase TOTAL COSTS	\$	20,000.00
CONSTRUCTION PHASE		
Mobilization	\$	50,000.00
Grading	\$	30,000.00
Drainage/SWM/E&S	\$	100,000.00
Concrete	\$	100,000.00
Paving	\$	200,000.00
Bridge	\$	500,000.00
Work Area Protection	\$	20,000.00
Base Bid TOTAL COSTS	\$	1,000,000.00
TOTAL COSTS (PE, RW, & CN)	\$	1,220,000.00



PARKS AND RECREATION
NOEL C. TAYLOR MUNICIPAL BUILDING
215 CHURCH AVENUE, S. W. ROOM 303
ROANOKE, VIRGINIA 24011
540 853 2236 FAX 540 853.1287
WWW.ROANOKEVA.GOV/PLAY



September 26, 2014

Mr. Mark McCaskill
Director of MPO Programs
Roanoke Valley-Alleghany Regional Commission

Re: RSTP Grant Submittal

Dear Mr. McCaskill,

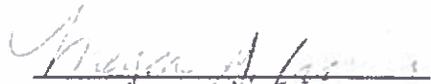
Please accept the enclosed joint RSTP Tinker Creek Greenway Planning application from Roanoke County, Botetourt County, and the City of Roanoke.

The Tinker Creek Greenway Connectivity Study is a multijurisdictional effort to regionally connect established greenway trails segments through the City and into both Roanoke and Botetourt Counties such that we expand the scope of the Tinker Creek Greenway north into the Carvin's Cove Natural Reserve and north-east to the Daleville Greenway in Botetourt County.

Our packet of information includes the application, resolutions from all three localities, a letter of support from the Regional Greenway Commission, plus a digital version of the 2000 Tinker Creek Conceptual Study created by Virginia Tech.

On behalf of all three jurisdictions, we are extremely grateful that you and your committee will provide your fullest attention to our application for funding.

Best Regards,


Megan G. Cronise, Roanoke County


Pete Peters, Botetourt County

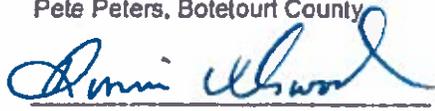

Donnie Underwood, City of Roanoke

EXHIBIT A: ESTIMATED BUDGETS

Part A: Roanoke City Preliminary Engineering & Planning

TASK	FEE ESTIMATE
Meet with Stakeholders to gather information about the site, previous community involvement results, any existing conceptual design solutions, history with adjacent properties and identify any known barriers. Obtain best available aerial photography and topographic information for initial discussions (Lidar, PDC, GIS, WWA, AEP, Rk. Gas Co, Telecom).	\$15,000
Perform a Right-of-way Analysis and produce a graphic base mapping plan.	\$5,000
Visit the site with stakeholders to conduct fieldwork and analysis of the conditions. Potential locations for bridge crossings, underpasses, trail heads and access points will be identified and evaluated by means of a muddy boots tour with stakeholders.	\$15,000
Perform Geotechnical analysis.	\$25,000
Perform Flood Plain analysis.	\$15,000
Produce a Site Analysis Report consisting of a narrative and map indicating site discoveries, opportunities, and challenges.	\$15,000
Provide alternative concepts for the study area in graphic form. This task will begin with a meeting with stakeholders to discuss the Site Analysis Report as well as other ideas generated by the city staff. Each alternative will include a site map and other illustrative sections or perspectives to communicate the design intent. The concepts will be based on previous community and city staff input and reflect the observations within the site analysis report. Costs for alternatives will be provided in magnitude form for comparison purposes.	\$60,000

Conduct Public Meeting #1	\$5,000
Meet with Stakeholders to ratify one alternative concept as the preferred route based upon staff and public input. Accessory options including all non-linear elements (waysides, overlooks, trail connections) will be established and be prioritized.	\$10,000
Establish cost estimating for preferred route.	\$5,000
	\$10,000
Participate in City Council Presentation #1. Produce large format graphic representations for route, options, features, illustrative sections or perspectives.	
Respond to Council Comments, refine preferred concept and options, and update cost estimate.	\$10,000
Initiate ground survey for Boundary and Topographical Analysis to encompass approved route plus accessory options.	\$70,000
Assist City Real Estate with graphic representation for any necessary property acquisitions or easements. Establish probable land/easement valuations and update cost estimate.	\$5,000
Conduct Public Meeting #2	\$5,000
Final Deliverable: Concept Plans with illustrative sections or perspectives accompanied by report of findings and cost estimate.	\$20,000
Identify Critical Design Path and potential deal breakers to be resolved in next phase of design.	\$5,000
Assist in drafting RFP language for professional design services.	<u>\$5,000</u>
TOTAL:	\$300,000

Part B: Roanoke and Botetourt Counties Phase I Planning Analysis

TASK	FEE ESTIMATE
Review Conceptual Planning Information: Review available information provided by the Project Sponsors that may include planning documents, mapping, photo inventories, and digital files for the project area.	\$1,500
Base Map Preparation: Compile a base map that includes land ownership information, rights of way, historical, cultural and natural resource inventory, floodplain and floodway data, and physical attributes. The base map will be VGIN or GIS database.	\$5,000
Project Kickoff /Design Charrette Workshop: Facilitate a collaborative design charrette workshop to develop alternative greenway alignments. The purpose of the sessions will be to generate a series of greenway route alternatives. Evaluation criteria will be developed at this stage.	\$3,500
Development of Preliminary Greenway Alternatives: Incorporate the information gathered at the project kickoff/design charrette workshop with our initial ideas and concepts to begin development of the study. Develop preliminary alignment sketches and determining appropriate types pedestrian connectivity and connectivity of existing and proposed parks and community facilities. Project team to make a comparative analysis of each alternative.	\$7,500
Fatal Flaw (SWOT) Analysis and Alternatives Screening Workshop - \$10,000: Following development of the preliminary greenway alternatives, engineering firm shall conduct a Strength, Weaknesses, Opportunities and Threats analysis of the greenway alternatives. Each alternative shall be evaluated based on the criteria developed in the design charrette workshop. The purpose of this analysis is to identify solutions that are not feasible due to excessive environmental, economic, or political impacts. The result of this analysis shall be presented to the Project Team at an Alternative Screening Workshop. The results shall be documented in a technical study submitted to the Project Team for review and approval.	\$10,000
Analysis of "Shortlisted" Greenway Alternatives: Upon completion of the SWOT analysis, three (3) selected alternative greenway alignments shall be evaluated in greater detail based on design and performance criteria developed by the Project Team. This will be used to evaluate the various route alternatives developed for the project. In addition, critical property owners will be identified and discussions initiated by the Project Team to determine their position concerning the greenway crossing through their property. Assistance will be provided to the Counties as necessary. The criteria shall include, but not necessarily be limited to, information related to: a) Safety b) Constructability	\$10,000

- c) Costs
- d) Environmental Considerations
- e) Right-of-way impacts
- f) Maintenance of Traffic (MOT) during the construction plans
- g) Design/Landscaping Themes
- h) Potential for economic development

All design elements of the project such as horizontal alignments, typical sections, bridge structures, retaining walls, earthwork limits, and right-of-way impacts shall be depicted on the conceptual plans. Finally, an analysis of any other design issues along with preliminary recommendations for their resolution will be generated. A detailed summary of the alternatives analysis, including the Consultant's conclusions and recommendations, shall be developed and documented in a technical memorandum which shall be submitted to the Project Team for review and approval. This process will result in a single route that will be recommended for final design.

Perform Site Investigation/Inventory: Perform a site investigation and inventory of the shortlisted alternative routes. Investigate other opportunities to connect to nearby communities and public facilities that may be feasible with sidewalks, bike lanes, shared use paths, and trail spurs. Includes the use of a hand held GPS to collect data such as stream crossings, areas of erosion or flooding, bridge locations, road crossings, and other areas of concern. Meet with the Project Sponsors to discuss any design issues and/or recommendations. \$10,000

Preliminary Environmental Analysis and Documentation: Determine areas that will be included in the environmental documentation required by VDOT. Develop necessary calculations and sketches for the applications to be submitted to Department of Historic Resources (DHR), Virginia Marine Resource Commission (VMRC), Department of Conservation and Recreation (DCR) and the Department of Game and Inland Fisheries (DGIF) for initial comments and concerns. \$7,500

Meet with Community Stakeholders/Special Interest Groups: Two representatives attend meetings, at the Project Sponsor's discretion, with representatives of the special interest groups (i.e., businesses, organizations, schools, etc.) including those that are actively involved and have been instrumental in developing the current recreation system network. \$2,000

Hold Public Meetings: Prepare and attend two public meetings associated with this project to review the preferred greenway alignment. Our services are intended to be supported by the County's forces and resources. \$10,000

Consolidate Stakeholder and Public Comments: Gather, consolidate, and summarize the public comments received. We will give the public an opportunity to submit the comment form electronically or via mail, before performing this task. Meet with Project Staff Representatives to Stakeholder and Public Input: Meet with the project staff to review the Citizen's Input and discuss the potential updates/revisions to be included in the Final Study. \$2,500

Draft Phase 1 Conceptual Planning & Alignment Study: We will incorporate recommended changes from the design workshop, SWOT analysis, stakeholder meetings, and the public input meetings to prepare the final report document with preliminary cost estimates and recommend a final greenway alignment. The final document will include mapping of the existing segments and of the proposed segments, will describe the overall thematic concepts/ focal points, identify activity nodes along the corridor. We will include typical cross sections and photographs, where appropriate, and will include a recommended phasing schedule for implementing the study and opinions of probable construction costs associated with each phase. The final report is subject to review and approval by the Botetourt and Roanoke County Board of Supervisors. \$15,000

Submission of Draft Phase 1 Conceptual Planning & Alignment Study: Compile and submit the final study to the Project Sponsors for review. Comments received from project sponsors will be incorporated into final document for public hearings and Board of Supervisors. \$1,500

Assist with Presentations Project Sponsors Elected Officials: Attend two board meetings and present the final alignment study. We will prepare large displays if desirable and will discuss the process and recommendations of the master plan revision. \$4,000

Finalize Phase 1 Conceptual Planning & Alignment Study: The final report will be revised and finalized based upon comments received by the Board of Supervisors and public hearings. \$10,000

TOTAL: \$100,000

The 28th day of July, 2016

RESOLUTION

Approving an Amendment to the Transportation Improvement Program for Federal Fiscal Years 2015, 2016, 2017 and 2018 for the Roanoke Urbanized Area

WHEREAS, the Roanoke Valley Transportation Planning Organization approved the *FY 2015-2018 Transportation Improvement Program* on June 26, 2014; and

WHEREAS, the inclusion of transportation projects in the Transportation Improvement Program is a condition of federal participation in the funding of that project; and

WHEREAS, public input has been sought in amending the *FY 2015-2018 Transportation Improvement Program* in accordance with the Roanoke Valley Area Metropolitan Planning Organization's *Public Participation Plan* approved/updated on June 28, 2007/July 18, 2014; and

WHEREAS, the Amendment of the *FY 2015-2018 Transportation Improvement Program* includes the following projects affecting the TPO Service Area:

- Transit Vehicle Replacements for the Greater Roanoke Transit Company and the Southern Area Agency on Aging,
- Colonial Avenue Improvements,
- Lila Drive/Route 115 Intersection Safety Improvements,
- Tinker Creek Pedestrian Bridge,
- Tinker Creek Trail Extension,
- Tinker Creek Connectivity Study; and

WHEREAS, the TPO Policy Board held a duly advertised Public Hearing, which concluded a 30-day public comment period and TPO staff recommended approval,

NOW, THEREFORE BE IT RESOLVED, that the Roanoke Valley Transportation Planning Organization Policy Board does hereby approve the Amendment to the *FY 2015-2018 Transportation Improvement Program*, as presented.

Jane Johnson
Chair

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

STAFF REPORT

SUBJ: FY17 SMART SCALE Candidate Project Application Recommendations

Following discussions and guidance at the June TPO and July Transportation Technical Committee (TTC) meetings regarding potential SMART SCALE applications from the RVTPO, staff and VDOT have consulted on a slate of I-81 auxiliary lane and ramp extension projects with smaller, lower cost and higher cost benefit. The table below represents the recommendation forwarded by the TTC.

FY17 SMART SCALE Project List – RVTPO

Project Location	Title (working)	Description	Project Type	Cost Estimate
Botetourt Co.	I-81 Auxiliary Lane between Exit 150 and the Truck Scales	Add auxiliary lane to SB I-81 between Exit 150 and the truck scales; will require inside and outside land widening; and includes SB bridge widening over Tinker Creek.	Corridor of Statewide Significance	\$19-23 million
Roanoke Co.	I-81 Auxiliary Lane between Exit 141 and 143	Add auxiliary lane to SB I-81 between exit 141 and 143 and will require inside and outside lane widening.	Corridor of Statewide Significance	\$25-38 million
Roanoke Co.	I-81 Auxiliary Lane between Exit 140 and 141	Add auxiliary lane to NB I-81 between exit 140 and 141 and will require inside and outside lane widening.	Corridor of Statewide Significance	\$12-18 million
Roanoke Co.	I-81 Auxiliary Lane between Exit 140 and 141	Add auxiliary lane to SB I-81 between exit 140 and 141 and will require inside and outside lane widening.	Corridor of Statewide Significance	\$10-14 million
Roanoke Co.	I-81 Various Ramp Extension between Exit 132 and 150	Extend accel/decel lanes at multiple locations: exit 132 NB accel, exit 137 NB accel, exit 137 SB decel, exit 140 SB accel, exit 143 NB accel, exit 143 SB decel, weigh station NB decel and weigh station SB accel.	Corridor of Statewide Significance	\$17-25 million
Roanoke City, Roanoke Co.	VA 419/U.S. 220 Expressway Lane/Ramp Extension	Converting the NB ramp into a lane.	Corridor of Statewide Significance	\$2-3 million

It should be noted that eight (8) ramp extension projects are grouped together. Should the Policy Board choose to individually apply for these projects, the cost estimate is between \$2.1 and 3.1 million.

Unlike the first round of SMART SCALE funding, there is no requirement to prioritize project applications, as all previously screened-in projects were scored in a timely manner.

Attached is a resolution endorsing the projects listed above from the TTC's recommendation. Staff is seeking an endorsement from the TPO Policy Board of SMART SCALE project ideas.



The 28th day of July, 2016

RESOLUTION

SUBJ: Endorsement of SMART SCALE Grant Application Submissions from the Roanoke Valley Transportation Planning Organization

WHEREAS, in 2014, the Virginia General Assembly enacted §33.2-214.1, otherwise known as SMART SCALE, requiring the Commonwealth Transportation Board (CTB) to develop a statewide prioritization process for the funding of transportation projects, and declares it to be in the public interest for projects funded by the CTB be developed and implemented to improve the efficiency and effectiveness of the state's transportation system, transportation safety, transportation accessibility for people and freight, environmental quality, and economic development in the Commonwealth; and

WHEREAS, such prioritization process shall be used for the development of the Six-Year Improvement Program and shall consider, at a minimum, highway, transit, rail, roadway, technology operational improvements, and transportation demand management strategies; and

WHEREAS, the prioritization process shall be based, at a minimum on the following factors: congestion mitigation, economic development, accessibility, safety, environmental quality and land use and transportation coordination; and

WHEREAS, candidate projects and strategies shall be screened by the CTB to determine whether they are consistent with the assessment of capacity needs for all for corridors of statewide significance and regional networks, undertaken in the Statewide Transportation Plan in accordance with §33.2-353; and

WHEREAS, the following six (6) SMART SCALE highway candidate projects (in no particular order):

Locality: Botetourt County
Project: I-81 Auxiliary Lane from Exit 150 to the Truck Scales

Locality: Roanoke County
Project: I-81 Auxiliary Lane from Exit 141 to 143

Locality: Roanoke County
Project: I-81 Auxiliary Lane Northbound from Exit 140 to 141

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

- Locality:** Roanoke County
- Project:** I-81 Auxiliary Lane Southbound from Exit 140 and 141

- Locality:** Roanoke County
- Project:** I-81 Various Ramp Extensions between Exits 132 and 150

- Localities:** Roanoke City, Roanoke County
- Project:** Route 419/U.S. 220 Expressway Lane/Ramp Extension

have all been preliminarily justified as having capacity needs for corridors of statewide significance; and

WHEREAS, the General Assembly enacted the high-priority projects and highway construction district grant programs through §33.2-370 and §33.2-371 respectively; and

WHEREAS, localities or agencies that request projects be applied for by the Policy Board of the Roanoke Valley Transportation Planning Organization will be only seeking funds through the high priority projects program.

NOW, THEREFORE BE IT RESOLVED THAT the Roanoke Valley Transportation Planning Organization Policy Board endorses the six SMART SCALE candidate projects listed herein, and directs staff to formally apply for the projects on its behalf by the September 30, 2016 deadline.

Jane Johnson
Chair