

July 7, 2016

MEMORANDUM

TO: Members, Transportation Technical Committee
 FROM: Mark McCaskill, AICP, Director of TPO Programs
 SUBJ: July 14, 2016 TTC Meeting/Agenda

The July meeting of the Transportation Technical Committee (TTC) will be held Thursday, July 14, 2016 at 1:30 pm at the Roanoke Valley-Alleghany Regional Commission office (Top Floor Conference Room), 313 Luck Avenue, SW in Roanoke, VA.

AGENDA

1. Welcome, Call to Order, Introductions *Chairman Holladay*
2. Action on the June 9, 2016 Minutes, pp. 3-5 *Chairman Holladay*
3. 2016 Nominating Committee Report *Chairman Holladay*
 - Election of Chair and Vice Chair
4. Unfinished Business from June TTC Meeting *Chairman Holladay and Cristina Finch*
 - Final Review of the Draft Roanoke Valley Transit Vision Plan
 (Plan is available for download at <http://rvarc.org/transportation/transit/>)
5. FY2015-2018 TIP Amendment Discussion, p. 6..... *Bryan Hill*
6. FY'17 SMART SCALE Recommendations, p. 7 *Bryan Hill*
7. Constrained List Discussion, pp. 8-13 *Mark McCaskill and Bryan Hill*
8. RSTP Information Update/Discussion, p. 14 *Mark McCaskill*

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

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9. Other Business
10. Comments by Members and/or Citizens
11. Adjournment

MINUTES

Transportation Technical Committee Meeting June 9, 2016

The June meeting of the Transportation Technical Committee was held on Thursday, June 9, 2016 at 1:30 p.m. at the Roanoke Valley-Alleghany Regional Commission office, 313 Luck Avenue, SW, Roanoke, VA. Attendance follows:

Member

Liz Belcher
 Chris Chittum
 Brian Epperly
 Michael Gray (*via telephone*)
 Joey Hiner
 David Holladay
 Mark Jamison
 Amanda McGee
 Kevin Price
 Cody Sexton
 Ben Tripp

Representing

Roanoke Valley Greenway Commission
 City of Roanoke
 Roanoke County
 VDOT – Salem District
 Town of Vinton
 Roanoke County
 City of Roanoke
 Botetourt County
 Valley Metro
 Botetourt County
 City of Salem

Staff Present: Cristina Finch, Bryan Hill, Mark McCaskill and Jackie Pace.

1. CALL TO ORDER, WELCOME & GUESTS IN ATTENDANCE

Chairman Holladay called the meeting to order at 1:30 p.m. and noted that a quorum was present. The following guests were in attendance: Carol Linkenhoker, VDOT-Salem District; Anita McMillan, Town of Vinton; and Carl Palmer, Valley Metro.

2. APPROVAL OF THE MAY 12, 2016 MINUTES

The Minutes of the May 12, 2016 TTC meeting were previously distributed.

Transportation Technical Committee Action:

Upon motion by Amanda McGee, seconded by Brian Epperly and carried, the Minutes of the May 12, 2016 TTC meeting were approved, as presented.

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3. APPOINTMENT OF 2016 NOMINATING COMMITTEE

According to Article VI, Sections 2 and 3 of the TTC Bylaws, the election of officers (Chair and Vice Chair) shall be held at the July meeting of every even numbered year. At least one month prior to the election (June), the Chairman is to appoint a nominating committee of at least two members. The nominating committee is to communicate to members of the TTC the name(s) of the nominee(s) for the offices of Chair and Vice Chair one week prior to the meeting at which the election will be held.

Chairman Holladay reported that he, Mark Jamison and Michael Gray would serve as the 2016 Nominating Committee and report back with a slate of nominees to consider for TTC officers at the July meeting.

4. HB2 DISCUSSION

Bryan Hill reminded members who are eligible to apply for the two funding categories under the HB2 prioritization process: High Priority Projects - Corridors of Statewide Significance and Regional Networks; and Construction District Grants.

Staff asked for input from members on projects for possible inclusion in the Constrained List of Projects for the Constrained Long-Range Multimodal Transportation Plan 2040, as well as projects that the TPO Policy Board would make application for under HB2.

Michael Gray stated that at the May TPO Policy Board meeting, he felt that the Board was interested in breaking down larger, potential I-81 improvement projects into smaller projects. Mr. Gray said the Policy Board thinks that I-81 is a priority for the region and they would like to see a way to keep the idea of widening 81 through the region alive, but with the large amount of funding necessary to complete such, VDOT envisions smaller projects. Mr. Gray said the TTC needs to send a recommendation to the Policy Board at their June meeting on HB2 candidate projects.

It was the general consensus among TTC members that the Roanoke Valley TPO Policy Board should consider submitting a variety of auxiliary lane and ramp extension project applications for HB2 funding on I-81 as follows: miscellaneous ramps at exits 137, 140, 141 and 143 and interchanges through the Valley; auxiliary lane concepts from Southbound 143; ramp extensions on north side of 143 on Southbound and Northbound 150 (and see which the Policy Board wants to pursue 137); and auxiliary lanes southbound to exit 143.

Ben Tripp asked that Exits 137-143 be considered due to the traffic that is diverted onto West Main Street when problems arise on I-81.

Members felt it might be better for the TPO staff to set up individual meetings with localities to discuss their ideas/projects for the Constrained and Vision Lists of the Long Range Transportation Plan, then bring back those multiple lists for review by the TTC at next month's meeting.

Bryan Hill concluded with the timeline for the next few months concerning the HB2 project cycle.

5. **FINAL REVIEW OF THE DRAFT ROANOKE VALLEY TRANSIT VISION PLAN**

Cristina Finch reminded members of the development of the Transit Vision Plan. Staff began conducting initial public surveys and background data analysis in July 2013. Work with the consultants (FourSquare Integrated Transportation Planning) and the stakeholders of the Transit Vision Plan Steering Committee began in September 2015. The consultant and steering committee brought a broader perspective to help carry the plan through the recommendation phase. Ms. Finch presented the Final Draft of the Vision Plan to the TTC at their May 9, 2016 meeting.

Ms. Finch asked members if they had any further concerns they wanted to share with the Transit Vision Steering Committee before the plan moves on to the TPO Policy Board for action at their June 23, 2016 meeting. A draft resolution, to be considered by the Roanoke Valley TPO Policy Board concerning the Plan, was distributed at the meeting for comment.

David Holladay stated that the County would like another month to further review the plan. He explained that new members are now on the Board of Supervisors since the Plan was first developed, and staff would like to think through the funding ideas and the concept of a regional agency as outlined in the plan. Mr. Holladay stated he hopes to have the County's reaction to the Plan within the next few weeks to present to the TTC at the July meeting.

It was the general consensus among members that all jurisdictions feel comfortable with the plan before any official action is taken by the TPO Policy Board. Members felt it was important to give Roanoke County additional time to further review the plan.

Ms. Finch asked members to keep in mind that the contract with the consultant ends on June 30, 2016 (especially if there are any major routes/mapping changes which would need to be undertaken by the consultant).

6. **OTHER BUSINESS**

- **RSTP – New Funding:** The soft deadline for project managers to present their RSTP cost estimate information was extended to Wednesday, June 17, 2016. In addition, Mark McCaskill stated that he would research how other TPOs (i.e., Richmond Regional, Hampton Roads and Tri Cities – Petersburg, Hopewell, FAMPO) are approaching the extra RSTP funding and report to the TPO at their June 23, 2016 meeting.
- **Federal Compliance Review:** Mark McCaskill reported that he anticipates presenting the draft write-up from the recent Federal Compliance Review to the TPO Policy Board at their July 28, 2016 meeting.

The meeting was adjourned at 3:25 p.m.

Submitted by Jackie L. Pace
Recording Secretary

STAFF REPORT
SUBJ: FY2015-2018 TIP Amendment

At last month's TPO Policy Board meeting, 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 two projects for consideration into the 2015-2018 TIP, and are 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						

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

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STAFF REPORT

SUBJ: FY17 SMART SCALE Candidate Project Application Recommendations

As a result of the June TTC and TPO 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 TPO Policy Board agreed upon this direction and directed staff and VDOT to bring these project ideas forward for endorsement at their July 28, 2016 meeting.

The table below represents the product of these discussions.

FY17 SMART SCALE Project List – RVTPO

Locality	Title (working)	Description	Project Type
Botetourt Co.	I-81 Auxiliary Lane between Exit 150 and the Truck Scales	Add auxiliary lane to (NB & SB, or just SB) I-81 between Exit 150 through truck scales and will require inside and outside land widening.	Corridor of Statewide Significance
Roanoke Co.	I-81 Auxiliary Lane between Exit 143 and 141	Add auxiliary lane to SB I-81 between exit 143 and 141 and will require inside and outside lane widening.	Corridor of Statewide Significance
Roanoke Co.	I-81 NB Ramp Extension at Exit 137	Extend the exit on-ramp on NB I-81 at Exit 137.	Corridor of Statewide Significance
Roanoke Co.	I-81 SB Ramp Extension at Exit 137	Extend the exit off-ramp on SB I-81 at Exit 137.	Corridor of Statewide Significance
Roanoke Co.	I-581/I-81 NB Ramp Extension	Extend the exit ramp off I-581 at Exit 1N to I-81 NB towards Exit 146.	Corridor of Statewide Significance
Roanoke Co.	I-81 SB Ramp Extension at Exit 143	Extend the exit ramp on SB I-81 at Exit 143.	Corridor of Statewide Significance

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.

Staff is seeking a recommendation to the TPO Policy Board of endorsement of SMART SCALE project ideas.

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STAFF REPORT

SUBJ: Constrained Long-Range Multimodal Transportation Plan 2040: Draft Constrained List of Projects

As a follow-up to last month's TTC meeting, staff has refined the draft Constrained List of Projects for the CLRMTP 2040. During this process, staff has given a ranking to each project. The rankings are as follows:

- "1" = Place on constrained list
- "2" = Place on vision list
- "3" = Should not be on either list

The ranked list of projects follows after the staff report.

Over the next several weeks, staff will be developing the draft Constrained List with funding amounts projected over the 25-year period of the CLRMTP. In preparation for this task, staff requests the TTC to determine which projects should be funded sooner or later. The attached spreadsheet contains three blank columns designated "Short-Term", "Medium-Term" and "Long-Term". Please choose one time-period per project as your preference for project completion. Please email your completed list by COB Tuesday, July 12, 2016 to Bryan Hill at bhill@rvarc.org with cc to Mark McCaskill at mmccaskill@rvarc.org.

The results of these preferences will be reflected in a future draft of the Constrained List.

DRAFT FINANCIALLY CONSTRAINED LIST OF PROJECTS

Project	Locality/Agency	Cost Estimate	Average Score	Constrained List Totals	Vision List Totals	"Neither" Totals	Short-Tem	Medium-Term	Long-Term
Rte. 24 Bedford County - Safety Improvements	Bedford Co.	\$1,600,000	1	\$1,600,000					
Rte. 221 Bedford Co. - Bike & Ped Safety Improvements	Bedford Co.	\$2,550,000	1	\$2,550,000					
Rte. 460 Safety Improvements	Bedford Co.	\$4,510,000	1	\$4,510,000					
Rte. 11,220,220A Access Management Project at I-81 Exit 150	Botetourt Co.	\$18,038,000	1	\$18,038,000					
Rte. 220 Reconstruction - Phase I	Botetourt Co.	\$66,000,000	1	\$66,000,000					
Tinker Creek Trail Extension	City of Roanoke	\$1,220,000	1	\$1,220,000					
Valley View Boulevard Extension	City of Roanoke	\$48,334,000	1	\$48,334,000					
13 th Street/Hollins Rd. Improvements	City of Roanoke	\$40,909,000	1	\$40,909,000					
Garden City Blvd. Bike/Ped - Transportation Alternatives	City of Roanoke	\$246,000	1	\$246,000					
HB2 FY17 Transit Accessibility Improvements on Edgewood Street	City of Roanoke	\$351,000	1	\$351,000					
HB2 FY17 U.S. 220 Communications and Adaptive System Project	City of Roanoke	\$423,000	1	\$423,000					
HB2 FY17 Colonial Avenue Improvements	City of Roanoke	\$7,000,000	1	\$7,000,000					
Tenth Street Improvements	City of Roanoke	\$3,459,000	1	\$3,459,000					
HB2 FY17 10TH Street - 2 Lane, Bike Lane, Curb & Gutter, Sidewalk	City of Roanoke	\$12,451,000	1	\$12,451,000					
Develop Orange Avenue to Urban 6 Lanes	City of Roanoke	\$45,381,000	1	\$45,381,000					
Colonial Avenue Improvements – Brandon Ave. to Winding Way (streetscape, C&G, sidewalk, widen 1-in., drainage)	City of Roanoke	\$5,335,400	1	\$5,335,400					
King St. – Gus Nicks to Orange (add turn lanes, C&G, sidewalk, bike lanes, drainage, reconstruct signal)	City of Roanoke	\$7,511,000	1	\$7,511,000					
Liberty Rd. - Burrell to Hollins (add turn lanes, C&G, sidewalk, bike lanes, drainage, reconstruct signal)	City of Roanoke	\$6,941,200	1	\$6,941,200					
Jefferson St. – Elm to McClanahan (road diet)	City of Roanoke	\$12,700,800	1	\$12,700,800					
Melrose/Salem Turnpike/Orange (dev. Of village ctrs., bike/ped impr, parking, drainage)	City of Roanoke	\$1,512,000	1	\$1,512,000					
Valley View Blvd. Transit Access/Pedestrian Improvements	City of Roanoke	\$300,000	1	\$300,000					
Bus Stop Accessibility	City of Roanoke / GRTC	\$1,000,000	1	\$1,000,000					
Downtown Roanoke Intermodal Station	City of Roanoke / GRTC	\$10,000,000	1	\$10,000,000					
Carilion Transfer Facility	City of Roanoke / GRTC	\$750,000	1	\$750,000					
Crossroads Transfer Facility	City of Roanoke / GRTC	\$750,000	1	\$750,000					
Tinker Creek Greenway Connectivity Study	City of Roanoke, Botetourt Co., Roanoke Co.	\$400,000	1	\$400,000					
Tinker Creek Pedestrian Bridge	City of Roanoke, Town of Vinton	\$1,459,500	1	\$1,459,500					
East Main Street Phase II – Brand Ave. to Kessler Mill	City of Salem	\$2,912,000	1	\$2,912,000					
East Main Street/Downtown Salem Streetscape	City of Salem	\$7,000,000	1	\$7,000,000					
Downtown Streetscape and Intersection Improvements	City of Salem	\$600,000	1	\$600,000					
HB2 FY17 Multimodal Improvements along Boulevard	City of Salem	\$885,000	1	\$885,000					
HB2 FY17 U.S. 460 - Widen TO 3 Lanes w/ Bike Lane, Curb, Sidewalk	City of Salem	\$2,912,000	1	\$2,912,000					

Project	Locality/Agency	Cost Estimate	Average Score	Constrained List Totals	Vision List Totals	"Neither" Totals	Short-Tem	Medium-Term	Long-Term
East Main Street / College Avenue - Pedestrian Improvements	City of Salem	\$1,001,000	1	\$1,001,000					
Bus Replacement and Rebuild Program	GRTC	\$14,127,475	1	\$14,127,475					
Six (6) Additional Vehicles (short-term)	GRTC	\$2,790,000	1	\$2,790,000					
Real Time Information System (short-term)	GRTC	\$225,000	1	\$225,000					
Various Bus Stop Access Improvements	GRTC / Various Localities	\$2,000,000	1	\$2,000,000					
Route 118 Tunnel Rehabilitation	Roanoke-Blacksburg Regional Airport	\$6,425,000	1	\$6,425,000					
Exit 140 Park and Ride Reconstruction	Roanoke Co.	\$474,000	1	\$474,000					
Roanoke River Greenway - City of Roanoke to Blue Ridge Parkway	Roanoke Co.	\$1,608,000	1	\$1,608,000					
HB2 FY17 Roanoke River Greenway, Green Hill Park to Riverside Park	Roanoke Co.	\$4,542,000	1	\$4,542,000					
I-73 - Roanoke County - Partial PE Only	Roanoke Co.	\$39,996,000	1	\$39,996,000					
HB2 FY17 I-81 NB Auxiliary Lane from Exit 141 to 143	Roanoke Co.	\$18,323,000	1	\$18,323,000					
West Main Street Sidewalk Installation	Roanoke Co.	\$134,000	1	\$134,000					
HB2 FY17 Lila Dr. / Rte. 115 Intersection Safety Improvements	Roanoke Co.	\$1,269,000	1	\$1,269,000					
Rte. 311 Roanoke County - Bike & Ped Safety Improvements	Roanoke Co.	\$700,000	1	\$700,000					
HB2 FY17 Rte. 311 / Rte. 419 Int. Safety & Congestion Improvements	Roanoke Co.	\$1,957,000	1	\$1,957,000					
Rte. 11 & 117 Roanoke Co. - Bike & Ped Safety Improvements	Roanoke Co.	\$1,000,000	1	\$1,000,000					
HB2 FY17 Rte. 419 Safety Improvements at Tanglewood	Roanoke Co.	\$5,853,000	1	\$5,853,000					
West Main Street Pedestrian Improvements – Phase II	Roanoke Co.	\$909,386	1	\$909,386					
419/Brambleton to Postal Multimodal Improvements	Roanoke Co.	\$100,000	1	\$100,000					
Traffic signal improvements at 419 & Brambleton Ave. (traffic & video control sensors, upgrade to LED lights)	Roanoke Co.	\$280,000	1	\$280,000					
Brambleton Avenue – Transit/Bike/Ped Improvements	Roanoke Co., City of Roanoke	\$3,634,000	1	\$3,634,000					
Tanglewood Transfer Facility	Roanoke County / GRTC	\$750,000	1	\$750,000					
Cave Spring Transfer Facility	Roanoke Co. / GRTC	\$100,000	1	\$100,000					
I-81 Auxiliary Lane Projects	Roanoke Co., Botetourt Co., City of Salem	\$100,000,000	1	\$100,000,000					
I-81 Ramp Extension Projects	Roanoke Co., Botetourt Co., City of Salem	\$50,000,000	1	\$50,000,000					
Lewis Gale Transfer Facility	City of Salem	\$100,000	1	\$100,000					
Downtown Salem Transfer Facility	City of Salem	\$100,000	1	\$100,000					
VA Medical Center Transfer Facility	City of Salem	\$50,000	1	\$50,000					
Mason Creek Greenway	City of Salem	\$1,500,000	1	\$1,500,000					
Glade Creek Greenway, Phase II	Town of Vinton	\$526,210	1	\$526,210					
Glade Creek Greenway, Phase III	Town of Vinton	\$300,000	1	\$300,000					
Rte. U000 - Walnut Ave. Int. Improvement at 8th Street	Town of Vinton	\$2,318,000	1	\$2,318,000					
*1 = Place on Constrained list; 2 = Place on Vision List; 3 = Should not be on either		\$578,532,971		\$578,532,971	\$0	\$0			

NOTES

1. Rank each project with either a 1, place on constrained list; 2, place on vision list; or 3, should not be on either list
2. The cost estimates in red, were derived from staff utilizing the VDOT Project Cost Estimating System and are subject to change given better information.
3. Those projects already assigned a "1" are projects which are already in the FY17-22 Six-Year Improvement Program

DRAFT FINANCIALLY CONSTRAINED LIST OF PROJECTS - VISION LIST OF PROJECTS

Project	Locality/Agency	Cost Estimate	Average Score	Constrained List Totals	Vision List Totals	"Neither" Totals
Campbell Avenue Bike and Ped Improvements	City of Roanoke	\$3,300,000	2		\$3,300,000	
Hershberger Rd. – Cove to Peters Creek (add turn lanes, C&G, sidewalk, bike lanes, drainage)	City of Roanoke	\$6,889,400	2		\$6,889,400	
Cove Rd. – Hershberger to Peters Creek (add turn lanes, C&G, sidewalk, bike lanes, drainage)	City of Roanoke	\$7,511,000	2		\$7,511,000	
Church Ave. – Jefferson to 5th streetscape improvements	City of Roanoke	\$2,797,200	2		\$2,797,200	
9th St., SE (streetscape, pedestrian improvements, roundabouts, road diet & ped impr.)	City of Roanoke	\$7,252,000	2		\$7,252,000	
Williamson Rd. – Orange to Angell (road diet)	City of Roanoke	\$9,531,200	2		\$9,531,200	
Memorial Ave. – Grandin to Denniston (streetscape impr.)	City of Roanoke	\$1,450,400	2		\$1,450,400	
Second Pedestrian Bridge over I-581	City of Roanoke	\$4,000,000	2		\$4,000,000	
Hollins Rd. (Orange Ave. to Liberty Rd) widening to 4 lanes w/bicycle ln.	City of Roanoke	\$6,106,740	2	\$6,106,740		
Nine (9) Additional Vehicles (medium-term)	GRTC	\$5,274,000	2		\$5,274,000	
Twenty-two (22) Additional Vehicles (long-term)	GRTC	\$14,740,000	2		\$14,740,000	
Valley Metro Expanded Maintenance Facility	GRTC	\$2,200,000	2		\$2,200,000	
McVitty Rd. & Old Cave Spring Rd. Improvements	Roanoke Co.	\$19,305,742	2		\$19,305,742	
Friendship Lane/Carvins Creek Bridge Replacement	Roanoke Co.	\$136,495	2		\$136,495	
Garst Mill Road Bike/Ped Improvements	Roanoke Co.	\$845,000	2		\$845,000	
Ogden Rd. – Transit/Bike/Ped Improvements	Roanoke Co., City of Roanoke	\$810,000	2		\$810,000	
Electric Rd./Oak Grove – Transit/Bike/Ped Improvements	Roanoke Co., City of Roanoke	\$100,000	2		\$100,000	
Electric Rd./Colonial Ave./West Village – Transit/Bike/Ped Improvements	Roanoke Co. / GRTC	\$100,000	2		\$100,000	
Apperson Drive Streetscape/Multimodal Improvements	City of Salem	\$250,000	2		\$250,000	
Apperson Drive over Roanoke River Bridge Repl./Widening – MM Accommodations	City of Salem	\$5,150,000	2		\$5,150,000	
Braeburn Drive – Transit/Bike/Ped Improvements	City of Salem	\$510,000	2		\$510,000	
Interchange Lighting at I-81 Exits 137-150	Salem, Roanoke Co., Botetourt Co.	\$8,410,000	2		\$8,410,000	
Walnut Avenue and 8 th Street Intersection	Town of Vinton	\$2,334,931	2		\$2,334,931	
Comprehensive Traffic Intersection Improvements	Town of Vinton	\$2,750,000	2		\$2,750,000	
Virginia Ave./Rte. 24 widening (from ECL City of Roanoke to Pollard St. to 6 lanes)	Town of Vinton	\$2,072,000	2		\$2,072,000	
Virginia Ave./Rte. 24 bicycle improvements (from ECL City of Roanoke to Chestnut St.)	Town of Vinton	\$553,000	2		\$553,000	
*1 = Place on Constrained list; 2 = Place on Vision List; 3 = Should not be on either		\$114,379,108		\$6,106,740	\$108,272,368	\$0

NOTES

1. Rank each project with either a 1, place on constrained list; 2, place on vision list; or 3, should not be on either list
2. The cost estimates in red, were derived from staff utilizing the VDOT Project Cost Estimating System and are subject to change given better information.
3. Those projects already assigned a "1" are projects which are already in the FY17-22 Six-Year Improvement Program

Staff Report

SUBJ: Ongoing RSTP Discussion

At the June 23, 2016 meeting of the Roanoke Valley TPO Policy Board, the TPO gave specific direction to the TPO staff concerning RSTP information that they would like reported on at their July Policy Board meeting. A summary of their requests and our current status in obtaining the information is as follows:

- 1) **Confirm the status of the Tinker Creek request with City of Roanoke staff** – Donnie Underwood provided a timely response via email – email excerpt quoted: “There is \$200,000 identified in FY17 for engineering for the Tinker Trail Extension Project (Wise Ave.-Orange Ave.), and also a total of \$326,577 identified for FY19 and \$73,423 in FY10 for the Tinker Feasibility Study (Roanoke City to Botetourt County). If you recall, the Feasibility Study has a total of \$400K; \$300K of which is identified for engineering for the City's section (Orange Ave. to Mason Mill Park). What the City is requesting is that the \$300,000 identified for the Feasibility project be moved up to FY17 so that the City can combine those funds with the \$200k for FY17 for a total of \$500K to use for engineering. Doing both the engineering & environmental work of the two sections under one contract would be significantly more efficient and cost effective.”
- 2) **Obtain additional information from project managers on cost overruns and plug in information as a “scenario” of the 6-year financial plan for discussion purposes** – Staff has heard from Roanoke County, and the Cities of Salem and Roanoke and is working on the financial plan scenario and will provide the scenario at the July TTC meeting for discussion.
- 3) **Research whether other TMA-MPOs in Virginia keep a “reserve fund” for RSTP** – The Hampton Roads TPO keeps 5% in reserve in the out years less in the close in years. The Richmond Area TPO keeps a maximum of 10% in reserve in the out years and less in the close in years. Tri-Cities may not have a formal reserve target but the Director of the MPO suggests keeping a significant reserve in year 6 of the financial plan to absorb any federal rescissions. The Fredericksburg Area MPO keeps \$50,000 in reserve in the out years to absorb adjustments. In all cases, these MPOs do not use the term reserve. They use terms like “region wide” or “balance entry” instead. Apparently the term “reserve” generates resistance from stakeholders.
- 4) **Ask Valley Metro if there are any changes in the Bus Replacement Schedule that have bearing on RSTP** – Staff is currently gathering this information.

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