

New River Valley Metropolitan Planning Organization

AGENDA
2:00 PM
May 17, 2017

I. DECLARATION OF A QUORUM AND CALL TO ORDER

II. APPROVAL OF AGENDA

III. APPROVAL OF MINUTES OF NOVEMBER 3, 2016 MEETING
([Attachment # 1.](#))

IV. PUBLIC ADDRESS

- A. Each speaker is limited to five minutes with a total of thirty minutes maximum for public address.

V. OLD BUSINESS – None

VI. NEW BUSINESS –

A. Recognition of Steve Mouras for his service on the MPO –

Steve has served on the MPO Policy Board since the MPO was formed in 2003. He has been an integral part of the MPO and has been instrumental in the many accomplishments of the MPO. Steve has recently retired from Virginia Tech and will no longer be serving on the MPO. (A resolution of appreciation is in [Attachment # 2.](#))

B. Approval of 2017-18 Unified Planning Work Program (UPWP) –

The TAC has prepared and advertised for comment a draft 2017-18 UPWP. The draft was advertised in the Roanoke Times, the News Journal, and the News Messenger, posted on the MPO website and sent to the MPO Interested Parties and Regulatory Agency lists. No public comments were received. We did receive one comment from the Army Corps of Engineers that deals with early consideration of avoidance measures for aquatic resources. This is not normally included in the UPWP, it is in our Long Range Plan. Any study that we undertake is covered by that. The final funding shows a slight increase from the current year for the PL funds as well as a slight decrease in Transit Planning Funds. The TAC recommends approval. There are other supporting resolutions that are needed annually as well. (The 2017-18 UPWP as well as resolutions

authorizing the Chairman/Executive Director to execute the annual agreements with VDOT and VDRPT, execute the annual Certifications and Assurances for FTA, execute the annual FTA Pass Through resolution, execute the authorizing resolution to file with VDRPT for grants of federal funds under FTA Section 5303, execute the annual Self Certification Statement, and execute the Designation Resolution are in [Attachment # 3.](#))

C. Approval of Amendment # 4 to the 2015-18 Transportation Improvement Plan (TIP) –

An Amendment is needed to the 2015-18 TIP. Amendment # 4 adds funding for Blacksburg Transit under item BBT0034 – ITS Assessment/Implementation Plan. This is shown on page 25 of the 2015-18 TIP. There is a funding adjustment needed for Item BBT0020 – ADP Hardware on page 21. This Amendment has been advertised for comment and sent to the MPO Interested Parties List as well as the Regulatory Agencies. No comments were received. The TAC has reviewed and recommends approval (The 2015-18 TIP with Amendment # 4 and a suggested resolution are in [Attachment # 4.](#))

D. Approval of the 2018-2021 Transportation Improvement Plan (TIP) –

Since the current TIP will be expiring next year, VDOT has set an earlier schedule for approval of the update. The draft 2018-21 TIP has been developed by the TAC. The draft was advertised in the Roanoke Times, the News Journal, and the News Messenger, posted on the MPO website and sent to the MPO Interested Parties and Regulatory Agency lists. No public comments were received. In addition, required with the TIP is a self-certification statement. (The NRV MPO 2018-21 TIP, an MPO/VDOT Self-Certification Statement and a suggested resolution are in [Attachment # 5.](#))

E. Appointment of a Representative to the SmartWay Advisory Committee –

The voting membership of the SmartWay Advisory Committee is made up of two members from the New River Valley and two members from the Roanoke Valley. Steve Mouras has served as one of our representatives since the Committee was formed. Since he has recently retired, a replacement needs to be selected. For future consideration, Mayor Rordam from Blacksburg is our other member and he will not be seeking re-election this fall. Therefore, he will need to be replaced as well by the end of the year. The TAC has not reviewed this item.

VII. EXECUTIVE DIRECTOR'S REPORT –

- A. VDOT Report – Ken King
- B. Passenger Rail Update – [Attachment # 6](#).
- C. Updates on Transit Study Projects and TDPs – Erik Olsen
- D. Update on Intercity Bus Service from Blacksburg to Washington DC
- E. Update on MPO Freight Study
- F. Other Items

VIII. OTHER BUSINESS

IX. NEXT MEETING

The next scheduled meeting is June 1, 2017 at 2:00 pm.

X. ADJOURNMENT

**New River Valley
Metropolitan Planning Organization
755 Roanoke Street
Christiansburg, VA 24073**

Minutes

November 3, 2016

MEMBERS

PRESENT:	Craig Meadows	-Montgomery County
	Anne McClung	-Town of Blacksburg
	Michael Sutphin	-Town of Blacksburg
	Bruce Brown	-City of Radford
	Melissa Skelton	-City of Radford
	Kevin Byrd	-NRVRC
	Jay Lindsey	-DRPT
	Ken King	-VDoT
	Tom Fox	-Blacksburg Transit
	Brian Booth	-Radford Transit
	Dan Brugh	-NRV MPO
	Randal Gwinn	-Recording Secretary
ABSENT:	Tammye Davis	-FHWA
	Michael Barber	-Town of Christiansburg
	Adam Carpenetti	-Town of Christiansburg
	Joe Guthrie	-Pulaski County
	Annette Perkins	-Montgomery County
	Fritz Streff	-New River Community College
	Tony Cho	-Federal Transit Administration-Region 111
	Steve Mouras	-Virginia Tech
	Michael St. Jean	-VA Tech/Montgomery Regional Airport Authority
	James Perkins	-Radford University
	Monica Musick	-Pulaski Transit
	Pete Huber	-Pulaski County
OTHERS		
PRESENT:	Erik Olsen	-NRV MPO
	David Clark	-VDoT
	Jerri Baker	-Virginia Tech
	Laura Harmon	-Radford University

DECLARATION OF QUORUM AND CALL TO ORDER

Chairman Craig Meadows declared a quorum and called the meeting to order at 2 P.M.

APPROVAL OF AGENDA

Craig asked for comments on the proposed agenda. Hearing none, he asked to hear a motion for approval of the agenda.

On a motion by Bruce Brown seconded by Ken King and carried unanimously, the proposed meeting agenda was approved.

APPROVAL OF MINUTES OF SEPTEMBER 1, 2016 MEETING

Craig next asked for comments on or corrections to the meeting minutes from the September 1, 2016 Policy Board meeting. Hearing none he then called for a motion to approve the minutes.

On a motion by Anne McClung seconded by Michael Sutphin and carried unanimously, the minutes dated September 1, 2016 were approved.

PUBLIC ADDRESS

There were no citizens wishing to address the group.

OLD BUSINESS

There were no items of old business to discuss.

NEW BUSINESS

Support for Transportation Alternative (TA) projects in the MPO

Dan commented that the MPO needs to support applications submitted by the localities for Transportation Alternative program funding. At this time we have two such applications, one from Blacksburg for the addition of bicycle parking facilities at various locations in the Town of Blacksburg and the other from Christiansburg for extension of the Depot Park Trail in the Town of Christiansburg. Both these applications need the endorsement of the MPO today as the applications have already have been submitted online earlier this week. Suggested resolutions are included in the agenda packet for both.

The Town of Blacksburg application was discussed first with Anne McClung commenting that Blacksburg hopes to add lockable weatherproof lockers at seven locations in the downtown area in hope of encouraging those employed in those areas to bike to work. The lockers will be of various configurations based on where they are located.

Comments having ended on the Blacksburg application Craig asked to hear a motion for adoption of the suggested resolution.

Ken King moved to approve the resolution and Bruce Brown seconded the motion. Craig then called for a vote and the resolution carried unanimously and follows in its entirety:

***New River Valley
Metropolitan Planning Organization***

November 3, 2016

Resolution in support of Transportation Alternative (TA) program funding application for providing bicycle parking facilities at various locations throughout the Town of Blacksburg.

On a motion by Ken King seconded by Bruce Brown and carried unanimously,

WHEREAS, in accordance with the Commonwealth Transportation Board construction allocation procedures, local Metropolitan Planning Organization endorsement is required in order that the Virginia Department of Transportation program a Transportation Alternative (TA) program project for providing bicycle parking facilities at various locations throughout the Town of Blacksburg; and,

WHEREAS, the improvements will consist of inverted U racks, covered racks, bicycle lockers, and on street corals; and,

WHEREAS, the Transportation Alternative (TA) program bicycle parking facilities project is supported by the Town of Blacksburg's Comprehensive Plan, and

NOW, THEREFORE, BE IT RESOLVED, that the New River Valley Metropolitan Planning Organization supports this request and requests the Commonwealth Transportation Board to approve funding for providing bicycle parking facilities in the Town of Blacksburg.

ATTEST: _____

F. Craig Meadows, Chairman

The application submitted by Christiansburg was discussed next with Dan giving details of the additions they wish to add. Basically the extension would connect an existing bike lane in Mill Lane with the Skate Park, Aquatic Center, Depot Park and another existing train at the Kroger grocery store. It will also pass in close proximity to the proposed Amtrak Train Station.

Discussion having ending on the Christiansburg application Craig asked to hear a motion for adoption of the suggested resolution.

Bruce Brown moved to approve the resolution and Ken King seconded the motion. Craig then called for a vote and the resolution carried unanimously and follows in its entirety:

*New River Valley
Metropolitan Planning Organization*

November 3, 2016

Resolution in support of Transportation Alternative (TA) program funding application for an extension of the Depot Park Trail in the Town of Christiansburg

On a motion by Bruce Brown seconded by Ken King and carried unanimously,

WHEREAS, in accordance with the Commonwealth Transportation Board construction allocation procedures, local Metropolitan Planning Organization endorsement is required in order that the Virginia Department of Transportation program a Transportation Alternative (TA) program project for the extension of the Depot Park Trail in the Town of Christiansburg; and,

WHEREAS, the extension connects an existing bike lane at Mill Lane with the Christiansburg Skate Park, the Christiansburg Aquatic Center, the Depot Park, and an existing trail to the Kroger grocery store; and,

WHEREAS, the Transportation Alternative (TA) program Depot Park Trail is supported by the Town of Christiansburg's 2013 Comprehensive Plan, and

NOW, THEREFORE, BE IT RESOLVED, that the New River Valley Metropolitan Planning Organization supports this request and requests the Commonwealth Transportation Board to approve funding for the Depot Park Trail extension project.

ATTEST: _____

F. Craig Meadows, Chairman

EXECUTIVE DIRECTOR REPORT

VDOT report – Ken King

Update on Smart Scale project Requests– Ken King

Ken distributed informational handouts pertinent to Smart Scale and pointed out the highlights to the group. The Salem District had about nine hundred and ten million dollars' worth of requests for Smart Scale funds submitted this year to leverage nine hundred and sixty million dollars' worth of proposed projects. There were fifty-three projects represented throughout the District and they were well distributed throughout the District and of good composition. Ken closed by asking that those interested in viewing this information and following the future progress of Smart Scale items visit VDOT's website for updates. Ken closed his remarks by

complementing everyone involved in the efforts to implement Smart Scale as going through the application process has strengthened the partnerships between VDOT and the Localities.

Update on ongoing VDOT Projects – Ken King

Ken reported on the progress of VDOT projects ongoing in the area.

Both roundabouts are complete at the South Gate Interchange although there is still some paving to be completed at the Duck Pond. The alignment and movement of traffic has been established and operationally appear to be working well. The vertical work will continue on the overpass and during the next three to six months beams will be set which will have to occur during daylight hours due to existing FAA restrictions at the airport. This will require detouring of Rt. 460 on some low traffic weekend periods. Work will also be ongoing during the next three to six months on the tunnel, probably in the spring depending on the weather. The Pedestrian and Bike Trail will be kept open during this time as it gets significant use.

Preconstruction has been completed on the I-81 Northbound New River Bridge near Radford. There will soon be some construction of an access road on the Northwest corner of the site, near the Pulaski County end of the Southbound Bridge. There will also be work ongoing in the median soon as well as tree removal on the site. Once completed the Northbound Bridge will be wide enough to carry four lanes of traffic during the construction of the Southbound Bridge which still awaits complete funding and scheduling.

The I-81 Bridge replacements over Rt. 8 near Christiansburg will be a design-build project for the fall of 2017. Work continues on gaining funding for the interchange improvements also desired to accompany the bridge replacements.

The new Park & Ride lot excavation and grading continues until the weather turns. Completion is scheduled for December 2017 and the project is on track.

Work on guardrail, shoulder and lighting improvements on Rt. 99 near I-81 Exit 94 in Pulaski County will begin after Thanksgiving. This is a Town of Pulaski project.

The project on Rt. 8 near Union Valley and Fairview Church will be awarded soon as the bids are now in. Construction probably won't begin until spring.

Finally, it's hoped that scheduled paving in the District will be finishing up before the weather turns as well.

Update on Transit Development Plans (TDPs) for Blacksburg Transit, Radford Transit and Pulaski Area

Transit

Erik reported that things are still on track to launch the update efforts in the spring. The RFP will be going out soon and DRPT will review the resulting proposals and select the consultant to do the three TDPs. The kickoff should be in January with the surveys being done in early spring and final wrap up in mid to late summer.

Other items

There were no other items to discuss.

OTHER BUSINESS

There was no other business to discuss.

NEXT SCHEDULED MEETING

Craig announced that the next scheduled meeting is December 1, 2016 at 2:00 PM in the Montgomery County Government Center.

ADJOURNMENT

There being no further agenda items to discuss, Craig adjourned the meeting at 2:28 PM.

Attest: _____

F. Craig Meadows, Chairman

**New River Valley
Metropolitan Planning Organization
755 Roanoke Street
Christiansburg, VA 24073**

RESOLUTION OF APPRECIATION

Steve Mouras

May 17, 2017

AT A REGULAR MEETING OF THE NEW RIVER VALLEY METROPOLITAN PLANNING ORGANIZATION HELD ON THE 17th DAY OF May, 2017 AT 2:00 PM IN THE COUNTY ADMINISTRATION MEETING ROOM OF THE MONTGOMERY COUNTY GOVERNMENT CENTER:

On a motion by _____, seconded by _____ and carried unanimously,

WHEREAS, Steve Mouras has served the New River Valley Metropolitan Planning Organization with dedication and integrity since the MPO was formed in 2003; and

WHEREAS, the New River Valley Metropolitan Planning Organization recognizes and appreciates his years of service, hard work, and dedication to the MPO.

NOW, THEREFORE, BE IT RESOLVED, that the Policy Board of the New River Valley Metropolitan Planning Organization hereby extends a unanimous vote of appreciation and gratitude to **Steve Mouras** for his outstanding professional public service and dedication to the MPO and gives their best wishes for continued success in all his future endeavors.

BE IT FURTHER RESOLVED, that the original of this resolution be presented to **Steve Mouras** as a testimonial of the high esteem and appreciation in which he is regarded by the New River Valley Metropolitan Planning Organization Policy Board and that a copy be a part of the official minutes of the New River Valley Metropolitan Planning Organization.

Attest: _____

Craig Meadows, Chairman

***New River Valley
Metropolitan Planning Organization***

May 17, 2017

Resolution approving the NRV MPO FY 2017-18 Unified Planning Work Program

On a motion by _____ seconded by _____ and carried unanimously,

WHEREAS, the 2017-18 Unified Planning Work Program (UPWP) will serve as the basis for all Federal (FHWA, FTA) funding participation and will be included in all requests for transportation planning funds, and

WHEREAS, the UPWP details all transportation and transportation related planning activities anticipated in the upcoming fiscal year; and

WHEREAS, the Request for Comment was advertised in The Roanoke Times, The News Journal, and News Messenger for thirty days; and

WHEREAS, Comments were also solicited from the MPO Email list, the MPO Interested Parties, and the Governmental Regulatory Agencies; and

WHEREAS, one comment was received and given due consideration, and

WHEREAS, the Technical Advisory Committee recommends approval.

NOW, THEREFORE, BE IT RESOLVED, that the New River Valley Metropolitan Planning Organization Policy Board hereby approves the FY 2017-18 Unified Planning Work Program and authorizes the Executive Director to make any administrative changes as requested by the Federal Highway Administration, Federal Transit Administration, VDRPT, or VDoT.

F. Craig Meadows, Chairman

*New River Valley
Metropolitan Planning Organization*

May 17, 2017

Designation Resolution

On a motion by _____, seconded by _____ and carried unanimously,

BE IT RESOLVED, that the New River Valley Metropolitan Planning Organization authorizes the New River Valley Metropolitan Planning Organization Policy Board Chairperson to authorize the Town of Blacksburg and City of Radford as the designated recipients for the receipt and eligible use of available FTA and VDRPT Operating and Capital Funds.

Certification

The undersigned duly qualified and acting as authored officials of the New River Valley Metropolitan Planning Organization certifies that the foregoing is a true and correct copy of a resolution, adopted at a legally convened meeting of the Policy Board of the New River Valley Metropolitan Planning Organization on May 17, 2017.

F. Craig Meadows, Chairman

J. Dan Brugh, Executive Director

***New River Valley
Metropolitan Planning Organization***

May 17, 2017

Planning Grant Resolution

On a motion by _____, seconded by _____ and carried unanimously,

WHEREAS, the New River Valley Metropolitan Planning Organization anticipates receipt of Fiscal Year 2017 Federal Transit Administration (FTA) Section 5303 Planning and Technical Studies Grant;

NOW, THEREFORE, BE IT RESOLVED, that the New River Valley Metropolitan Planning Organization authorizes the New River Valley Metropolitan Planning Organization Executive Director to procure and contract for the receipt and eligible use of the FTA Section 5303 grant funds that may be received by the New River Valley Metropolitan Planning Organization, noting that the City of Radford, the Towns of Blacksburg and Christiansburg, and Counties of Montgomery and Pulaski will commit the equal funding of the local match for the aforementioned grant.

BE IT FURTHER RESOLVED, that the New River Valley Metropolitan Planning Organization authorizes the Metropolitan Planning Organization Executive Director to submit a FTA Section 5303 grant application and to contract with the Virginia Department of Rail and Public Transportation for the receipt of said FTA funds as is necessary; and including the compliance with applicable laws, regulations, guidelines, and assurances of the United States and the Commonwealth of Virginia, and for the state portions of the matching funds as necessary.

Certification

The undersigned duly qualified and acting as authorized officials of the New River Valley Metropolitan Planning Organization certifies that the foregoing is a true and correct copy of a resolution, adopted at a legally convened meeting of the Policy Board of the New River Valley Metropolitan Planning Organization on May 17, 2017.

F. Craig Meadows, Chairman

J. Dan Brugh, Executive Director

***New River Valley
Metropolitan Planning Organization***

May 17, 2017

Resolution authorizing the filing of an application with the Virginia Department of Rail and Public Transportation, for grants of federal funds under the Federal Transit Act Section 5303 program and state matching funds.

On a motion by _____, seconded by _____ and carried unanimously,

WHEREAS, the contract for financial assistance will impose certain obligations upon this Body, including the provision of the local funds to support project costs; and

WHEREAS, a recipient of Federal Transit Administration Funding is required to provide certifications and assurances that all pertinent Federal statutes, regulations, executive orders and directives will be obeyed and it is the intent of this Body to comply fully with all required certifications and assurances; and

WHEREAS, it is the goal of this Body that minority business enterprises (disadvantaged business enterprise and Women business enterprise) be utilized to the fullest extent possible in connection with this project, and that definitive procedures shall be established and administered to ensure that minority business shall have the maximum feasible opportunity to compete for contracts and purchase orders when procuring construction contracts, supplies, equipment contracts, or consultant and other services:

NOW THEREFORE, BE IT RESOLVED BY THE NEW RIVER VALLEY METROPOLITAN PLANNING ORGANIZATION,

1. That the Chairperson of the Policy Board is authorized to prepare and file an application on behalf of New River Valley Metropolitan Planning Organization with the Virginia Department of Rail and Public Transportation for federal and state financial assistance under the Federal Transit Administration Section 5303 Program and State Aid Program.
2. That the Chairperson of the Policy Board is authorized to execute and file with such application all necessary certifications and assurance or any other document required by Virginia Department of Rail and Public Transportation in connection with the application or the project.
3. That the Chairperson of the Policy Board is authorized to set forth and execute Minority business enterprise (disadvantaged enterprise business and woman enterprise) policies and procedures in connection with procurements under this project.

4. That the Chairperson of the Policy Board is authorized to execute a grant agreement on behalf of the New River Valley Metropolitan Planning Organization, with the Virginia Department of Rail and Public Transportation to aid in the financing of the project.

5. That the Chairperson of the Policy Board hereby certifies that the local share of the project costs identified in the application shall be made available to the project from resources available to this Body.

The undersigned duly qualified and acting Executive Director of the New River Valley Metropolitan Planning Organization Policy Board certifies that the foregoing is a true and correct copy of a resolution, adopted at a legally convened meeting of the New River Valley Metropolitan Planning Organization held on May 17, 2017.

F. Craig Meadows, Chairman

***New River Valley
Metropolitan Planning Organization***

May 17, 2017

**Resolution to authorize the Executive Director/ Chairman to execute annual FTA
Certifications and Assurances.**

On a motion by _____, seconded by _____ and carried unanimously,

WHEREAS, the MPO receives funding from FTA for expenditures made for MPO activities;
and

WHEREAS, the MPO needs to annually certify that the MPO is adhering to all Federal
Regulations.

NOW, THEREFORE, BE IT RESOLVED, the MPO Policy Board authorizes the Executive
Director/Chairman to execute the annual Certifications and Assurances for FTA.

F. Craig Meadows, Chairman

***New River Valley
Metropolitan Planning Organization***

May 17, 2017

Resolution to authorize the Executive Director/ Chairman to execute annual agreements with VDoT, VDRPT, and Montgomery County

On a motion by _____, seconded by _____ and carried unanimously,

WHEREAS, the MPO receives funding from VDoT for expenditures made for MPO activities; and

WHEREAS, the Policy Board has approved the Unified Planning Work Program (UPWP) for 2016-17; and

WHEREAS, an agreement needs to be executed for expenditure of these funds.

NOW, THEREFORE, BE IT RESOLVED, the MPO Policy Board authorizes the Executive Director/Chairman to execute agreements with VDoT, VDRPT, and Montgomery County as fiscal agent, subject to approval by Montgomery County, the Montgomery County Attorney, the MPO Chairman and the MPO Executive Director.

F. Craig Meadows, Chairman



DEPARTMENT OF THE ARMY
US ARMY CORPS OF ENGINEERS
NORFOLK DISTRICT
FORT NORFOLK
803 FRONT STREET
NORFOLK VA 23510-1011

April 3, 2017

Subject: NRV MPO Unified Planning Work Program 2017-18; NAO-2017-00593

New River Valley MPO
ATTN: Mr. Randal L. Gwinn
Program Assistant
Montgomery County Government Center
755 Roanoke St., Suite 21
Christiansburg, VA 24073

Dear Mr. Gwinn:

This letter is in response to your request for input from the Norfolk District Corps of Engineers (USACE) on the New River Valley MPO 2017-18 Unified Planning Work Program and related planning documents.

USACE regulates activities in waters of the United States pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403) and Section 404 of the Clean Water Act (Public Law 95-217). It is likely that a permit or permits will be required from USACE for some transportation projects in the NRV MPO area. Our regulations require that we consider a full range of public interest factors and conduct an alternatives analysis in order to identify the least environmentally damaging practicable alternative (LEDPA), which is the only alternative we can authorize. In addition to wetland and waters impacts, we must consider factors such as land use (including displacements of homes and businesses), floodplain hazards and values, water supply and conservation, water quality, safety, cost, economics, threatened and endangered species, historic and cultural resources, and environmental justice.

We have reviewed the plans and do not see any references to consideration of environmental resources. We recommend that early consideration be given to avoiding and minimizing impacts to aquatic resources. The avoidance measures could include choosing another project or location for a project or an alternative design. We recommend that you use any available wetlands mapping during planning, such as the information provided by the National Wetland Inventory (NWI) maps. While NWI maps have not been verified by the Corps and depict the location of wetlands only to a certain level of accuracy, the maps provide a good tool for planning purposes. We also recommend you identify the locations of streams, the general locations of which can be found on topographic maps prepared by the US Geological Survey.

Measures to avoid and minimize impacts to streams and wetlands, such as bridging, widening to the side of an existing roadway where there are fewer aquatic

resources, and/or reducing median widths should be incorporated wherever practicable. Relocation of streams should be avoided. Stormwater management facilities should be located outside of jurisdictional areas. As you go through your planning process and incorporate avoidance and minimization measures, you should document those measures for consideration and support further in the process, such as in preparing environmental documents or acquiring permits. Options for providing compensatory mitigation for unavoidable impacts to wetlands and other aquatic resources should be an early consideration. USACE gives priority to the purchase of credits from mitigation banks for required compensatory mitigation.

Thank you for the opportunity to provide comments and recommendations. Please contact me at email alice.w.allen-grimes@usace.army.mil or telephone 757-201-7219 if you have any questions.

Sincerely,

Alice W. Allen-Grimes
Special Projects Regulatory Section

**NEW RIVER VALLEY
METROPOLITAN PLANNING ORGANIZATION**

FY 2017-18

Unified Planning Work Program (UPWP)

DRAFT

This Unified Planning Work Program was adopted by the New River Valley MPO Policy Board at its meeting of _____.

This Unified Planning Work Program was approved as a Final Report by the New River Valley Metropolitan Planning Organization on _____. It was prepared for the New River Valley Metropolitan Planning Organization by the Technical Advisory Committee of the New River Valley Metropolitan Planning Organization through a cooperative process involving the Towns of Blacksburg and Christiansburg, the City of Radford, the Counties of Montgomery and Pulaski, Blacksburg Transit, Radford Transit, Pulaski Area Transit, the Virginia Tech - Montgomery Executive Airport Authority, Virginia Tech, Radford University, New River Community College, the Virginia Department of Transportation, the Department of Rail and Public Transportation, the Federal Highway Administration (FHWA), and the Federal Transit Administration (FTA).

The preparation of this report has been financed in part through grant[s] from the Federal Highway Administration and Federal Transit Administration, U.S. Department of Transportation, under the State Planning and Research Program, Section 505 [or Metropolitan Planning Program, Section 104(f)] of Title 23, U.S. Code. The contents of this report do not necessarily reflect the official views or policy of the U.S. Department of Transportation. The NRV MPO ensures nondiscrimination and equal employment in all programs and activities in accordance with Title VI and Title VII of the Civil Rights Act of 1964. If you need more information or special assistance for persons with disabilities or limited English proficiency, contact Dan Brugh at 540-394-2145, TTY/TDD 711.

FY 2017 - 18

Unified Planning Work Program (UPWP)

Introduction and Summary of Planning Process

Structure/General Organization

The Unified Planning Work Program (UPWP) defines the transportation planning processes and programs used by the Metropolitan Planning Organization and is normally developed and adopted on an annual basis. The overall authority for transportation planning in the Metropolitan Planning Area is in the hands of the Metropolitan Planning Organization (MPO) which is made up of locally elected and administrative officials of the local government members (the Towns of Blacksburg and Christiansburg, the City of Radford, and the Counties of Montgomery and Pulaski) and representation from the Virginia Department of Transportation (VDOT). These members make up the Policy Board and are the voting entity for the MPO. There are eleven eligible votes on the Policy Board with two being from each local government member and one being from the Virginia Department of Transportation. The Towns, City, Counties, and VDOT have provided for alternate voting members from staff and administration. The MPO Policy Board also includes non-voting representation from key transportation organizations in the region including Blacksburg Transit, Radford Transit, Pulaski Area Transit, the NRV Regional Commission, the Virginia Tech - Montgomery County Executive Airport Authority, Virginia Tech, Radford University, New River Community College, the Virginia Department of Rail and Public Transportation (VDRPT), the Federal Highway Administration, and the Federal Transit Administration. The MPO also has a Technical Advisory Committee (TAC), appointed by the MPO Policy Board, consisting of individuals who are primarily administrative and planning personnel from the area.

Planning Sources and Processes

With the establishment of the MPO, Blacksburg, Christiansburg, Radford, and Montgomery and Pulaski Counties have available to them an organization for transportation planning which can provide a forum to bring together comprehensive and cooperative planning approaches that may lead to new, worthwhile project alternatives. These project ideas may eventually find their way into the Transportation Improvement Program (TIP) at some future point in time if funding can be identified for implementation. The planning efforts managed by the MPO include provisions for citizen participation in accordance with Moving Ahead for Progress in the 21st Century (MAP-21).

The UPWP in the Process

The UPWP attempts to set out the planning efforts being undertaken by the various entities of which it has knowledge. To date, the primary efforts listed originate with citizens, the local governments, VDOT, the MPO Policy Board, and Blacksburg Transit with projects/tasks subject to approval by the Federal Highway Administration and/or Federal Transit Administration. Transit Planning efforts in this fiscal year will be coordinated with Blacksburg Transit, Radford Transit, and Pulaski Area Transit. Project development and recommended planning project activity generally proceed through Technical Advisory Committee (TAC) consideration and then to the MPO Policy Board, which, after consultation and public comment, makes final changes and project/task selection and approves the Plan.

UPWP and the TIP

As implied, the UPWP annually sets out the transportation planning activities for which authorization and funding support is to be sought. Activities included normally are presented on a one year schedule. The MPO Policy Board is also responsible for developing the annual TIP. The projects considered in the TIP are different from those in the UPWP in that items for inclusion in the TIP: have reached the project development level, involve capital improvements, have been selected for implementation, funding sources have been determined, and cover an extended time period of at least four years. Further, the UPWP is a planning activities administration tool, whereas the TIP sets out a schedule of actual projects for implementation; projects on the TIP may also be end-products of planning work carried out under the UPWP.

Meeting National Goals for Transportation Planning

The UPWP, and the planning process it engenders, allows the MPO to participate in and meet requirements from the national perspective of conducting a continuing, cooperative, and comprehensive transportation planning process that results in plans and programs that consider all modes of transportation and supports metropolitan community development and social goals. This is widely known as the "3-C Process". The policy in MAP-21/ Fast Act is to promote consistency between transportation improvements and the State and local planned growth and economic development patterns while involving the public and other interested/affected groups in the process.

Metropolitan Planning Area

The New River Valley Metropolitan Planning Area consists of the entirety of the Towns of Blacksburg and Christiansburg and the City of Radford, as well as the surrounding urbanized portions of Montgomery and Pulaski Counties (see attached map for illustration of the region). The MPO study area is intended to depict the areas that are expected to be urbanized within the next twenty years. Based on the 2010 Census, the New River Valley MPO study area population was 99,552 and encompasses a land area of approximately 170 square miles.

Air Quality

In 1997, the Environmental Protection Agency (EPA) sponsored an amendment to the Clean Air Act's National Ambient Quality Standards (NAAQS). The amendment essentially replaced the 1-hour ozone standard with a more stringent 8-hour standard. The ozone levels for the New River Valley MPO do not exceed these limits and therefore is not considered to be a non-attainment area.

If at such time in the future ozone levels for the New River Valley MPO do exceed these new limits, the EPA will require that all areas that exceed the standards establish a non-attainment boundary to be submitted for EPA review. If the EPA should designate the New River Valley MPO as an air quality non-attainment area, the MPO will include activities to address the issue as it develops the Long Range Transportation Plan update and annual Transportation Improvement Program.

Primary Topics for MPO Consideration

- ***The Existing Thoroughfare System***

Primary Arterials

Interstate 81 (within Christiansburg and Montgomery County) with Exits 105, 109, 114 and 118 within the MPO is a heavily traveled north-south interstate with a high percentage of truck traffic. Roanoke lies to the north on I-81 and Dublin and Pulaski are to the south.

U.S. Route 460 is the primary east west route through the MPO. Route 460 connects the MPO with Giles County and West Virginia to the west and Salem and Roanoke to the east. The portion of route 460 between I 81 and Blacksburg is the highest traveled primary in the MPO. Business Route 460 runs through both Blacksburg and Christiansburg.

State Route 114 connects Route 460 in Christiansburg in Montgomery County to Route 11 in Pulaski County. This 2 lane primary is the main connector between Pulaski County and Radford to the west and Montgomery County, Blacksburg, and Christiansburg to the east and serves the Radford Army Ammunition Plant (RAAP). It also provides a link from Pulaski County to the commercial area in Christiansburg.

U.S. Route 11 (stretching through the MPO as Radford Road/Radford Street, East and West Main Street, and Roanoke Street in Christiansburg and Montgomery County, Main Street in the City of Radford, and Lee Highway in Pulaski County) connects the MPO to Dublin and the Town of Pulaski on the west and Shawsville/Elliston to the east.

U.S. Route 460 is comprised of Business Routes through the two Towns and the recently connected Bypasses. U.S. Route 460 Business is North and South Main Street in Blacksburg and Roanoke Street, East Main Street, and North Franklin Street in Christiansburg. Shawsville/Elliston lie to the east along U.S. Route 460 and Giles County and West Virginia lie to the west along U.S. Route 460.

U.S. Route 177 is a major connector between I 81 and the City of Radford. This area is scheduled for significant development in both the City of Radford and Montgomery County. The MPO will continue to work with Montgomery County and the City of Radford regarding development in the area. Currently the County and City are developing an update to the Route 177 Corridor Plan. The MPO will participate in this project.

State Route 8 (originating as West Main Street in Christiansburg and becoming Riner Road in Montgomery County) connects the MPO with Riner and Floyd.

State Route 111 (Depot Street, NE and Cambria Street, NE in Christiansburg) serves to connect Roanoke Street (U.S. Route 11/460) to N. Franklin Street (U.S. Route 460).

State Route 114 (Peppers Ferry Road in Christiansburg and Montgomery County) originates at U.S. Route 460 and links the MPO to Radford and Pulaski (Fairlawn) on the west.

State Route 314 (Southgate Drive in Blacksburg) connects the Route 460 Bypass to Airport Road.

State Route 412 (Prices Fork Road in Blacksburg) become State Secondary 685 at the Town limits and continues to Route 114.

The “Smart Road” is a joint project of the Virginia Department of Transportation (VDOT) and it’s Transportation Research Council with Virginia Tech’s Transportation Institute and the Federal Highway Administration (FHWA). The Smart Road will be a 5.7-mile stretch of I-73 linking Blacksburg directly to I-81. The 2.0 mile first phase was completed in the Fall of 1999, officially opened in March 2000, and cost \$32.7 million. The Smart Road will be opened to traffic as traffic demands.

- ***Blacksburg Transit (BT)***

Started in 1983, Blacksburg Transit, a department of the Town of Blacksburg, has routes in three of the MPO member jurisdictions and provides over 3,513,000 rides per year. Currently, all Blacksburg Transit routes lie within the MPO study area, and BT has been active in discussions regarding the potential expansion of service both within the current service area, and to adjoining areas such as within Montgomery County and to other nearby areas. The MPO will work with Blacksburg Transit in completing the Transit studies currently underway and assist in selecting other areas for planning level study. In November 2011, BT initiated pilot bus service to the Warm Hearth Area of Montgomery County. A funding proposal was again submitted to VDRPT in February 2017 to further support the service connection between Warm Hearth and the nearby Lewis Gale Hospital Montgomery, allowing connections to existing BT routes that serve Blacksburg and Christiansburg as well as trips to additional destinations both within Warm Hearth and the service area such as the mall and grocery stores. Since 2014, the Warm Hearth demand-response service was expanded to three days a week. Annual ridership has quintupled from its launch in 2012 and now provides over 3,000 passenger trips annually, funded by DRPT's Senior Transportation Program.

A Transit Development Plan (TDP) was completed for Blacksburg Transit to identify transit needs in the future to give a priority order for transit expansion and enhancement as funding becomes available. The final report was completed in June 2011. This report was added to the MPO 2035 Long Range Plan, and will be added to the 2040 Plan as well. A follow-up effort for a new TDP has been put in motion, to start during FY18 (kick-off in summer with data collection during fall 2017), as required by DRPT, in conjunction with PAT and RT to support improved regional coordination and communication among all three MPO transit providers.

Blacksburg Transit also operates service in and to the Town of Christiansburg. These services, including a fixed-route, a demand-response service, and a commuter route, are evaluated and refined on a regular basis. The MPO continues to work with Blacksburg Transit and the Town of Christiansburg to evaluate the service and implement refinements to increase ridership. Now in its sixth year, ridership on Christiansburg Routes has increased steadily from approximately 1,000 trips per month to 2,400 as of July, 2016. These services provide an affordable public transit option for citizens. The commuter service also provides a daily connection between the Town of Christiansburg and the Town of Blacksburg. The commuter service provided over 3,110 passenger trips during FY16.

- ***Radford Transit (RT)***

Radford Transit is a joint partnership between The City of Radford, Radford University, and New River Valley Community Services (as operators). The system was launched August 8th, 2011 and serves the entire City of Radford, Radford University campus, Fairlawn and Carillion New River Valley Medical Center. Connecting routes exist to Blacksburg, Christiansburg as well as the Exit 118 Park & Ride lot to connect with Megabus and the SmartWay bus. Annual ridership is approximately 375,000 passenger trips per year. The system operates twelve small (12) body-on-chassis (Cutaway) style buses, two (2) medium duty body-on-chassis (Cutaway) style buses, six (6) low floor heavy duty transit buses.

In the coming year Radford Transit will have to replace its original fleet of seven (7) buses as they have reached end of life. The system will be seeking a more viable long-lasting solution to these vehicles based on system utilization and load based needs.

The system has finalized its Transit Development Plan (TDP) which fully identifies future growth needs including operating and capital requirements.

Minor expansions took effect for FY 2016 to include extending the Route 20 (providing service to Fairlawn) by 2 hours daily during our full service schedule. Route 40 (providing service between Radford, Christiansburg, and Blacksburg) will be redirected off of Route 114 and utilize Route 11 due to safety concerns with the Route 114 corridor. Route 40 was also expanded to provide service daily, Monday through Saturday during the full service schedule.

- ***Pulaski Area Transit (PAT)***

Pulaski Area Transit was established in 2003 to provide the community with public transportation including a mixture of deviated fixed route and demand response service. PAT provides Fixed Route service from the Town of Pulaski to Dublin, including New River Community College, and the Fairlawn area of Pulaski County. PAT meets Radford Transit at Wal-Mart in Fairlawn and picks up passengers and transports them to Dublin and New River Community College. The Fixed Route service makes 4 trips per day and is available Monday through Friday. PAT also offers 24 hour Demand Response service to the Fairlawn Area. In FY 2016, PAT provided 133,696 passenger trips covering 265,263 vehicle miles. PAT operates 11 body on chasis 12 passenger buses. In addition, PAT has received several awards recognizing their success.

- ***Regional Transit***

Continue to support and enhance service provided by the SmartWay bus connecting the New River Valley to the Airport in Roanoke and downtown Roanoke. Also support Megabus and its regional service to Knoxville and Washington DC. Look at options to enhance Megabus service. Support and participate in the regional Transit Coordinating Council that was created as a result of an MPO study. The purpose of the Council is for regional stakeholders to meet regularly to discuss public transportation and serve as a coordinator for governmental entities, stakeholders, and service providers.

- ***Safety in Planning***

To incorporate concepts of Safety Conscious Planning (SCP) as a primary factor in the transportation planning process, a comprehensive, system-wide, and multi-modal approach must be used. This implies a proactive approach aimed at preventing crashes and unsafe conditions, as well as addressing existing transportation hazards. More specifically, this includes making safety an explicit priority within the transportation planning process; proactively assessing safety impacts of future transportation investments as well as reacting to current needs; and integrating safety into the Long Range Plan as well as short range plans such as the UPWP and TIP. VDOT has developed a statewide Strategic Highway Safety Plan which is focused on prevention of accidents as well as reducing injuries and fatalities. The MPO will use information gathered by VDOT to review and recommend specific measures to enhance safety within the MPO. The MPO will also support and assist as needed with other specific Safety Programs such as the Safe Routes to School Program.

- **Coordinated Public Transit/Human Services Transportation Plan**

Coordinated transportation options will be reviewed and supported in meeting the transportation demands of the region. This particularly affects segments of the population traditionally underserved by Transportation. These would include groups such as senior citizens, persons with disabilities, and low income individuals. An initial study conducted by the Virginia Tech Transportation Institute for the New River Valley and Roanoke Regional Commissions entitled “New River Valley and Roanoke Public Mobility Study”, gathered information on needs in the region as well as a current inventory of providers. In 2008, the Virginia Department of Rail and Public Transportation (VDRPT) developed a statewide Coordinated Human Service Transportation. A portion of that plan has been approved as the Coordinated Human Services Transportation Plan for the MPO. Regular coordination meetings are held with VDRPT. The MPO supports the NRV Regional Commission in establishing a Mobility Manager for the region. The approved plan is included in the 2040 Long Range Transportation Plan in compliance with SAFETEA-LU requirements.

- ***Alternative Transportation***

The MPO will work with VDOT and local governments to assure that alternative transportation modes are considered in addressing transportation needs. Organizations that support bicycle/pedestrian transportation will be included in the planning process for future transportation improvements. The MPO currently serves on the regional Bikeway/Walkway Committee of the NRV Regional Commission that is supporting a regional link between Montgomery County and Pulaski County through the City of Radford. Extensions of the Huckleberry Trail in Christiansburg and Blacksburg have been funded and will be constructed this year. There have been discussions with the Roanoke Valley MPO regarding a connection of the bicycle/pedestrian facilities in Montgomery and Roanoke Counties to connect the two MPO areas.

- ***Virginia Tech - Montgomery County Executive Airport Authority***

The Authority is comprised of representatives from the Towns of Blacksburg and Christiansburg as well as Montgomery County. The Airport serves primarily corporate and private clientele and is located at 1600 Ramble Road in Blacksburg. An updated Long Range Plan has been developed by the Authority and is included in the MPO 2040 Long Range Transportation Plan. The MPO served on the advisory committee for development of the Airport Master Plan.

- ***Virginia Tech and Radford University***

The Universities are special traffic generators within the MPO. Events such as graduation, sporting events, and parent weekends can play a major role in area

transportation. The MPO will work with Virginia Tech and Radford University in addressing transportation issues that arise.

- ***Norfolk and Southern Railroad***

Norfolk and Southern provides freight rail service to the MPO area. There is also discussion of the return of passenger rail service to the New River Valley. The MPO strongly supports reestablishment of passenger rail service through the New River Valley. The MPO supports the demonstration project of using a “Bus Bridge” to the Amtrak service in Lynchburg.

- ***Freight Transportation in the Region***

Freight transportation plays a major role in the intermodal transportation system. The MPO, through a contract with the New River Valley Regional Commission, conducted a freight study to identify current freight movement, critical freight needs, and develop potential solutions and target funding sources. The MPO will provide feedback on critical freight issues and work with local stakeholders to enhance freight capabilities within the MPO as needed.

- ***Passenger Rail in the Region***

With the coming extension of passenger rail service to Roanoke in 2017, the MPO supports the extension to Christiansburg and eventually to Bristol. The MPO secured funding through the Intercity Passenger Rail Operating and Capital (IPROC) Fund to further study the feasibility and cost associated with an extension.

Current and Future UPWP Activities

As noted, the MPO will engage in short range planning activities. Historically, MPO’s have undertaken short range projects such as corridor studies, intersection studies, travel time studies, and transportation development plan updates. In the future it is anticipated that the MPO, through the UPWP specified activities, will continue to undertake short-range planning activities to manage congestion, address safety issues, address operational issues, and monitor Long Range Transportation Plan update needs.

Primary issues facing the area include how best to redesign and improve the transportation system and at the same time insure that necessary funds will be available to use in undertaking the physical projects needed given the current financial situation and the funding status of VDOT. The MPO will also work with VDOT to program any future Stimulus funding that is designated for the MPO Area,

The MPO will assure that all MPO planning activities comply with the current federal legislation – Fixing America’s Surface Transportation Act (FAST Act) and subsequent reauthorization bills.

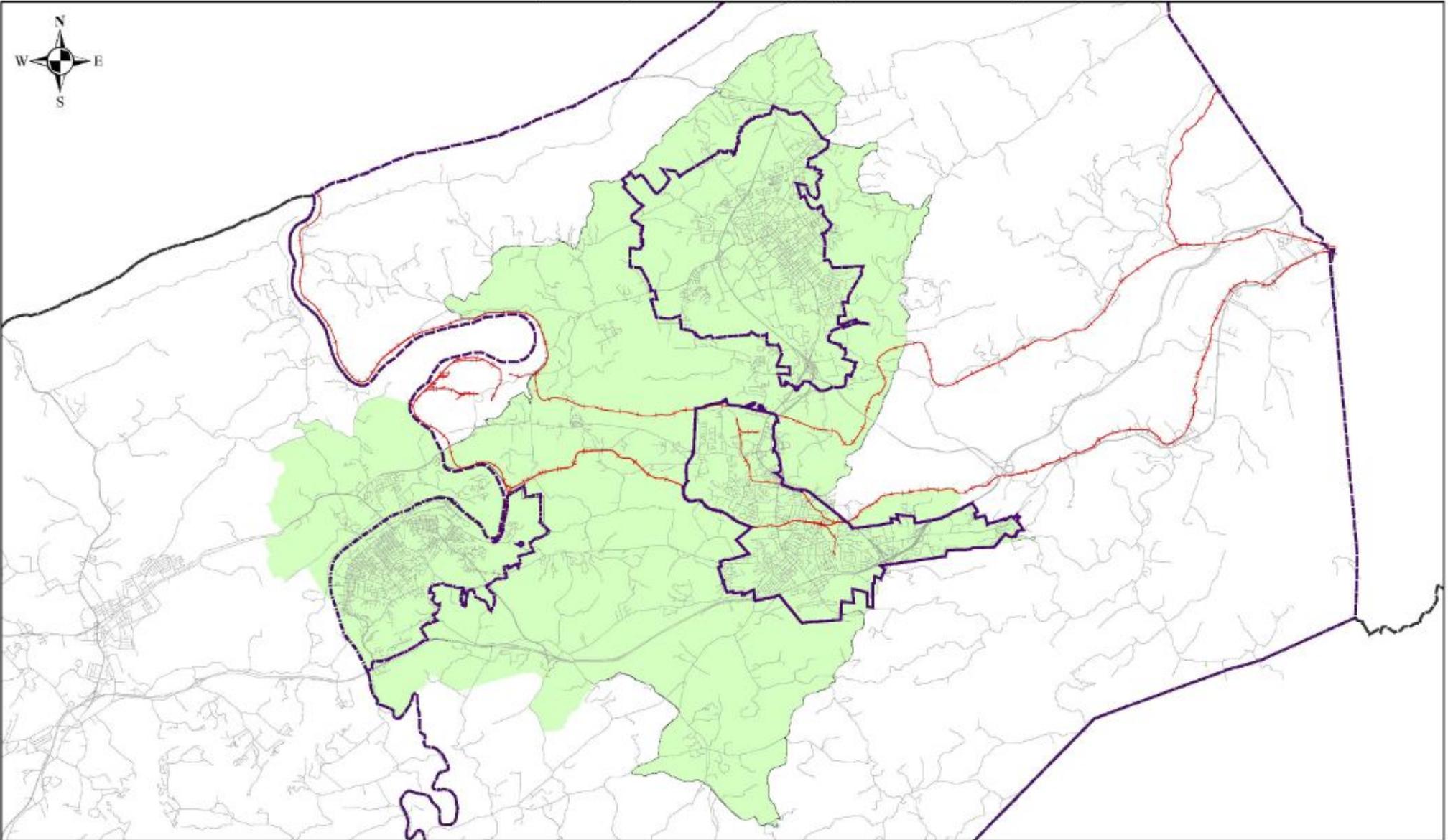
Total Proposed Funding by Federal Source for FY 2017-18

The primary funding sources for transportation planning activities included in this work program are the FHWA - PL, FTA Section 5303, and FHWA State Planning and Research (SPR). The proposed funding amounts (including state and local matching funds) for the New River Valley MPO work program are shown in the following table.

**FY 2017-18 New River Valley MPO
Proposed Funding by Federal, State, and Local Sources**

	FHWA – SPR 80% Fed. & 20% State	FHWA – PL 80% Fed. & 20% State/Local	FTA – Section 5303 80% Fed. & 20% State/Local	Sub-Total
FY 2017-18	\$25,000	\$201,478	\$102,233	\$328,711
Carryover FY 2016-17			\$81,063	\$81,063
Total	\$25,000	\$201,478	\$183,296	\$409,774

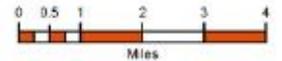
New River Valley Metropolitan Planning Organization Study Area



Prepared By Montgomery County Va
Planning & GIS Services
(Approved September 6, 2012)

Legend

 Corporate Line  2010 MPO Boundary



**New River Valley
METROPOLITAN PLANNING ORGANIZATION
FY 2017-18 Unified Planning Work Program**

PROPOSED FY 2017-18 WORK PROGRAM AND BUDGET

All tasks identified will be performed by MPO staff unless otherwise noted. During this fiscal year, the following activities will be pursued by the MPO:

1. Program Support and Administration

General Administration and Operations

- Management of day-to-day operations of MPO activities including budgeting, purchasing, and overall administrative functions.
- Prepare meeting agenda, minutes, and resolutions, arrange for and/or attend meetings, conferences, and training.
- Preparation for and attendance at the MPO Policy Board meetings.
- Preparation for and attendance at Technical Advisory Committee meetings, including any work for special committees.
- Process PL funding requests and/or review of PL and PL Pass-Through funding agreements and addenda.
- Manage local and regional transportation planning activities and conduct/attend public hearings by the MPO, as needed.
- Ensure that mechanisms are in place to coordinate MPO transportation planning activities with guidelines for Environmental Justice and Title VI. Include segments of the population traditionally underserved by transportation in the Transportation Planning Process.
- Complete and submit the Annual Self Certification to FHWA approved by the Policy Board.
- Prepare and execute funding agreements and contracts, including contract extensions or supplements, as needed and approved by the Policy Board
- Prepare and review progress, financial, and other supportive reports including processing quarterly billing invoices and progress reports.
- Prepare and submit an annual audit. The audit will be performed by the consultant hired by Montgomery County for its annual audit.

- Ensure that all federal and state transportation regulations, requirements, and deadlines are met, particularly with federal transit funds.
- Respond to requests for intergovernmental reviews / coordination.
- Work on Geographic Information System (GIS) and Census Transportation Planning Program (CTPP) data for utilization in transportation planning projects, studies, and coordinate as appropriate.
- Review, as necessary, consultant contracts or supplements and monitor consultant contracts, negotiations, and work progress on MPO-conducted studies and plans employing consultants.
- Review road plans when requested for conformance with current transportation plans. Work with VDOT on the potential for employing Intelligent Transportation Systems (ITS) and higher levels of technology in area-wide planning for project development. Assure that proactive strategies for safety are employed during the plan development process.
- Assist in coordinating multi-modal activities and maintain necessary transportation inventories. The MPO will work closely with Blacksburg Transit and their consultant to accomplish this activity.
- Work jointly with the New River Valley Regional Commission on transportation issues that extend into both areas.
- Work with VDOT and affected localities to assure that pedestrian and bicycle accommodations are considered during project development.
- Continue support of the Rideshare and Bikeshare programs, the Megabus, and the SmartWay bus.
- Continue to support the study of extension of passenger rail to Christiansburg and further west.
- Submit applications to be considered under Smart Scale for appropriate projects.

MAP21/Fast Act Responsibilities

- MPO staff to work cooperatively with the Virginia Department of Transportation and the Virginia Department of Rail and Public Transportation, as necessary, to assure that all activities of the MPO meet or exceed MAP-21/Fast Act requirements.
- Review, comment, and endorse municipal Alternative Transportation grant applications, as requested.

Transportation System Management (TSM)

- Continuous review of current transportation plan(s) for consideration of additional TSM improvements such as traffic engineering, fringe parking lots, bicycle and pedestrian facilities, goods movement, and vehicle occupancy. Continue to support efforts that reduce vehicles on the highways such as the SmartWay Bus, Ride Solutions, and the Two Town Trolley, and Megabus.
- Pursue the development of individual corridor studies included in the adopted 2040 Long Range Transportation Plan as funding allows.
- Provide input for environmental assessments, transit planning, and other transportation planning, when requested.
- Evaluate and review special situations such as: major traffic generators, site plans, special transportation needs, private sector participation, and alternative transportation projects, as needed or requested. Assure that safety is an explicit priority in the planning process.

Special Studies

- MPO staff will work with member jurisdictions to identify transportation issues that warrant further planning study. The MPO will coordinate specific planning projects with VDOT, VDRPT, FTA, and FHWA for review and approval. Selected studies will be incorporated into the UPWP by amendment. All planning studies will be performed by the MPO On Call consultant, an approved agency, or under contract with the NRV Regional Commission. If funds are not utilized, they will be carried forward for future use.

2. Unified Planning Work Program (UPWP)

- Process amendments/adjustments to the FY 2017-18 Unified Planning Work Program (UPWP), if needed, and prepare the FY 2018-19 UPWP.

3. Public Participation

- Use the approved Public Participation Plan (PPP) for public outreach by the MPO in developing and amending the region's Long Range Transportation Plan, UPWP, TIP and other major plans or studies.
- Continually work to identify additional organizations and individuals not normally included in the transportation planning process and add to our contact list. This plan supports the concept of Environmental Justice to ensure an equitable and inclusive decision-making process for all individuals.
- Review the current Public Participation Plan and revise as necessary.
- Continually update the MPO website. Send out information related to Transportation Planning to the MPO email list.
- Meet with/talk to citizens regarding Transportation Planning within the MPO.

4. Transportation Improvement Program (TIP)

- Process any amendments/adjustments to the FY 2015-18 and 2018-21 Transportation Improvement Programs (TIPs). Provide MPO input on preparation efforts for future TIPs. Assure that any identified current safety needs are considered for inclusion in the TIP.

5. Long Range Transportation Plan

- Amend the 2040 MPO Long Range Plan as needed.

6. FTA/VDRPT-Assisted Section 5303 Transportation Planning:

FTA Section 5303 Pass-Through Funds

- Provide transit planning assistance to Blacksburg Transit (BT), Radford Transit (RT), and Pulaski Area Transit (PAT) to: support application of FTA Section 5303 transportation funding; meet FTA Section 5307 requirements for preparing and submitting grant applications; support data collection as required by FTA and the National Transportation Database (NTD); support planning activities for a multi-modal transit facility; conduct short and long range transit planning activities when needed; support the development of the MPO's UPWP, TIP, and Long Range Transportation Plan to ensure transit planning elements.
- These requirements include maintaining Civil Rights (Title VI), DBE and EEO requirements, performance monitoring, ADA planning and preparing all necessary reports. BT will coordinate with the MPO on transit planning activities. Funds are expected to be used to complete identified short and long-term transit planning by contracting consultants for relevant surveys and studies.
- Additional detail is provided on FTA/VDRPT-Assisted Section 5303 Transportation Planning in the attached Task Narrative A.
- Assist Blacksburg Transit as needed in completing Transit studies. Monitor and process Pass Through reimbursement requests.

FY 2017-18 UPWP

End Products Summary**

1. Maintain all administrative requirements.
2. Carry out items in FY 2017-18 Unified Planning Work Program (UPWP).
3. Review and assure that all MPO functions and work products remain in compliance with MAP-21/FAST Act.
4. Monitor the FY 2015-18 and 2018-21 Transportation Improvement Programs (TIPs) and amend/adjust as needed
5. Provide assistance to Transit providers for transit planning activities.
6. Conduct transit studies as needed and identified by the MPO.
7. Support the regional Coordinated Human Services Transportation Plan that includes the MPO. Collaborate with the New River Valley Regional Commission (NRVPDC) and area transportation providers to explore routing solutions and expansion for the area.
8. Support and assist in the project to provide transit service for the Warm Hearth Area of Montgomery County.
9. Provide quarterly reports on the Rideshare program, the SmartWay bus, and transit planning activities.
10. Review and amend as needed the current Public Participation Plan.
11. Support the Regional Transit Coordinating Council meeting on a quarterly basis. Carefully evaluate and give consideration to recommendations that are made.
12. Amend as needed the 2040 MPO Long Range Plan.
13. Support Transit Agencies in updates to their TDPs.
14. Coordinate activities for extension of passenger rail to Christiansburg.
15. Complete the NRV MPO Regional Freight Study
16. Complete the Bus Stop Safety and Accessibility studies for Radford Transit and Pulaski Area Transit.

** - Details are provided in the Narrative Section

**FY 2017-18 New River Valley MPO
Proposed Revenues and Expenditures by Federal, State, and Local Sources**

Proposed Revenues	FHWA – SPR1	State – SPR ¹	FHWA - PL	State Match	Local Match	FTA Sec. 5303	State Match	Local Match	Total
FY 2017-18	\$20,000*	\$5,000*	\$161,183	\$20,148	\$20,147	\$81,787	\$10,223	\$10,223	\$328,711
FY 2016-17 Carryover						\$64,850	\$8,106	\$8,107	\$81,063
Federal & VDOT – SPR Subtotal	\$20,000*	\$5,000*							\$25,000*
FHWA/Match - PL Subtotal			\$161,183	\$20,148	\$20,147				\$201,478
FTA Sec. 5303/Match Subtotal						\$146,637	\$18,329	\$18,330	\$183,296
Total Proposed Revenues	\$20,000	\$5,000	\$161,183	\$20,148	\$20,147	\$146,637	\$18,329	\$18,330	\$409,774
Proposed Expenditures			FHWA - PL	State Match	Local Match	FTA Sec. 5303	State Match	Local Match	Total
1. Program Support and Administration	\$12,000	\$3,000	\$104,382	\$13,048	\$13,048				\$145,478
1.01 General Administration and Operations	\$8,000	\$2,000	\$48,000	\$6,000	\$6,000				\$70,000
1.02 MAP-21/Fast Act Responsibilities & MPO Compliance			\$8,000	\$1,000	\$1,000				\$10,000
1.03 Transportation System Management			\$800	\$100	\$100				\$1,000
1.04 Special Studies	\$4,000	\$1,000	\$47,582	\$5,948	\$5,948				\$64,478
2. Unified Planning Work Program			\$4,800	\$600	\$600				\$6,000
3. Public Participation			\$32,000	\$4,000	\$4,000				\$40,000
4. Transportation Improvement Program(TIP)	\$4,000	\$1,000	\$12,000	\$1,500	\$1,500				\$20,000
5. 2035 Long Range Transportation Plan	\$4,000	\$1,000	\$8,000	\$1,000	\$1,000				\$15,000
6. FTA/VDRPT-Assisted Section 5303 Transportation Planning						\$146,637	\$18,330	\$18,329	\$183,296
6.01 Program Support and Administration						\$7,332	\$916	\$916	\$9,164
6.02 General Development/Comprehensiv e Planning						\$58,665	\$7,332	\$7,332	\$73,319
6.03 Long Range Planning/System Level						\$7,332	\$916	\$916	\$9,164
6.04 Short Range Planning									
6.05 Transportation Improvement/NTD						\$58,665 \$7,332	\$7,332 \$916	\$7,332 \$916	\$73,319 \$9,164
6.07 Special Studies						\$7,332	\$916	\$916	\$9,164
Total Proposed Expenditures	\$20,000	\$5,000	\$161,183	\$20,148	\$20,148	\$146,637	\$18,329	\$18,330	\$409,774

Note: Figures are rounded to the nearest dollar. All subtotals are estimates included for planning purposes only and are not intended to be restrictive.

*=funds budgeted for MPO support by VDOT.

1. Funds allocated for expenditure by VDOT staff and consultants in support of the MPO planning process

**NEW RIVER VALLEY
METROPOLITAN PLANNING ORGANIZATION
Narratives, Budgeted Amounts for FTA funded portion of FY 2016-2017 UPWP
SECTION 5303 PLANNING AND TECHNICAL STUDIES**

TASK NARRATIVE A.

NOTE: NEW FORMAT WITH ADDITIONAL DETAILS REGARDING OBJECTIVE AND DESCRIPTION AND PRODUCTS FOR EACH FTA TASK, STARTING WITH 2011-2012.

FTA#: 44.21.00 Program Support and Administration

Objective and Description: The Program Support and Administration task covers the activities necessary to administer and maintain transportation planning activities. The primary objectives of this task are:

- To update regional planners and BT management of planning activities relevant to transit
- To assist town staff as needed with communicating with stakeholders regarding transit issues
- To prepare monthly and quarterly status reports as needed
- To assist with technical updates regarding transit on current and future development projects

Products:

- Prepare executive summaries and reports for MPO, PDC, and other stakeholders as requested.
- Develop BT Transportation Planner Master Plan of activities/projects in prioritization order (annual update)
- Write monthly and quarterly status reports as needed re. regional activities related to transit operations
- Maintain/update an inventory of bus stops
- Supervise BT Transportation Planning Internship Program
- Document and maintain a filing system of requests for new services, routes, bus stops, amenities

6.01 Program Support and Administrative	FTA Sec. 5303	State Match	Local Match	Total
Transit FY 18	\$4,089	\$511	\$511	\$5,112
Transit FY 17	\$3,243	\$405	\$405	\$4,053
Total	\$7,332	\$916	\$916	\$9,165

FTA#: 44.22.00 General Development/Comprehensive Planning

Objective and Description: The General Development and Comprehensive Planning task supports gathering data to identify issues for further study, define requirements for future plans and designs, and develop transit priorities. The primary objectives of this task are:

- To identify origins and destinations for future routes
- To characterize potential customers (e.g., with Marketing) through surveys and other means
- To identify potential economic development and employment centers that are likely needed destinations
- To identify and summarize other relevant data that supports short-range and long-range planning tasks
- To participate in meetings and other input sessions for updating regional comprehensive plans
- To serve as liaison with transportation consultants for the planning efforts (e.g., Transit Development Plan, Comprehensive Operations Analysis, Regional Cost Model)
- To serve as liaison with area developers (land owners, town staff, etc.) to ensure that transportation issues are addressed during preliminary stages of development
- Supervise BT Transportation Planning Internship Program

Products:

- Provide weekly input with documentation as needed for regional planners on new developments affecting current or future transit services
- Analyze ridership needs and develop a work plan (operational plan) for the New River Community College
- Investigate planning and operational needs for regional neighborhoods (e.g., the Warm Hearth Retirement Community, Mid-County region of Montgomery County)
- Communicate with area developers, land owners via town and county staff to document future transit needs/plans
- Provide an outline for future expansion into the Montgomery County (e.g., near the Hospital/Warm Hearth)
- Provide status updates to the MPO TAC and other stakeholders on the planning of a joint Blacksburg-Virginia Tech proposed multimodal facility via presentations or verbal updates
- Provide summaries of relevant planning documents to staff and stakeholders as requested
- Facilitate, summarize, and disseminate annual updates to the 2017 BT Transit Development Plan (TDP)
- Support efforts to acquire and collaborate with consultant(s) to upgrade the transit Regional Cost Model to more accurately estimate the costs of transit services.
- Facilitate receiving approval of the TDP from the NRV RC, Montgomery County, and Virginia Tech
- Coordinate marketing and training efforts with stakeholders for the newly launched pilot bus route connecting the Warm Hearth Village and the LewisGale Hospital Montgomery
- Stay abreast regarding developments and planning of the Virginia Tech-Blacksburg Multimodal Transit Facility (MMTF) via communication with BT staff.
- Facilitate efforts to acquire a consultant and conduct a route analysis in conjunction with the proposed MMTF.
- Assist in coordination of a regional effort for conducting simultaneous TDPs in 2017-2018, possibly with BT, PAT, and RT to improve inter-agency coordination and transfers between agencies.

6.02 General Development \Comprehensive Planning	FTA Sec. 5303	State Match	Local Match	Total
Transit FY 18	\$32,715	\$4,089	\$4,089	\$40,893
Transit FY 17	\$25,940	\$3,243	\$3,243	\$32,425
Total	\$58,655	\$7,332	\$7,332	\$73,318

FTA#: 44.23.01 Long Range Transportation Planning – System Level

Objective and Description: Long range planning at the system level forms the basis for future transportation planning activities and projects. Long range is generally considered to be 13 months or longer. The primary objectives of this task are:

- To study the transportation system within the region to identify issues and challenges involving multiple jurisdictions
- To align our efforts with regional comprehensive plans
- To use comprehensive plans to make policy recommendations to community leaders and planners

Products:

- Implement recommendations for commuter service within the MPO region
- Consider and outline future connections to planned train and multimodal facilities (e.g., Lynchburg)
- Summarize relevant transit developments in nearby areas (e.g., Pulaski, Dublin, Radford, Floyd) to increase coordination

- Provide content and feedback to the NRV Regional Commission (PDC) and updates to their Mobility Manager Resource Manual
- Participate in the joint PDC-MPO NRV Regional Transit Organizational Analysis process
- Facilitated delivery and dissemination of the Bus Stop Safety and Accessibility Study for the Town of Blacksburg, completed July 2015 (which was, in the UPWP dated May 2013, originally called the Virginia Tech Bicycle and Pedestrian Infrastructure Analysis RFP)
- Align alternative transportation planning efforts (e.g., bike, pedestrian) to coordinate with pathways and transit amenities such as with a BT-supported RFP and/or the Bikeway/Walkway Committee of the NRV Planning District Commission

6.03 Long Range Planning System	FTA Sec. 5303	State Match	Local Match	Total
Transit FY 18	\$4,089	\$511	\$511	\$5,112
Transit FY 17	\$3,243	\$405	\$405	\$4,053
Total	\$7,332	\$916	\$916	\$9,165

FTA#: 44.24.00 Short Range Transportation Planning

Objective and Description: Short range transportation planning deals with specific programs and projects that implement long range policies. Short range is generally considered to be within 12 months. The primary objectives of this task are:

- To review and evaluate proposed transportation projects for their potential impacts on the regional transportation network in alignment with comprehensive plan goals as requested
- To prioritize proposed transportation projects
- To identify current and immediate transportation needs in the region
- To revisit what is needed and reprioritize needs on a regular basis as funding and other resources become available
- To review and prioritize requests for bus stop changes, improvements, additions, and replacements (e.g., bus stop amenities)

Products:

- Continue promotion and refinement of a Downtown Blacksburg Trolley Plan
- Development of a Bus Stop Improvement Plan to standardize our current bus stops
- Assist in evaluating, refining, and dissemination of Christiansburg Bus Service to regional transportation leaders and key staff (e.g., via announcements/presentations to the MPO TAC and NRV RDC)
- Stay up-to-date with new bus services in Radford
- Outline a draft plan to evaluate the potential for Neighborhood Service in Blacksburg
- Refine process for Route/Schedule Changes and Stop Requests within BT
- To participate in meetings, input sessions, and/or attending conferences and training relevant to regional planning
- Maintain and update the bus stop inventory
- Participate in the GIS Working group to identify and coordinate and evaluate GIS needs
- Maintain and update Web GIS data for use by planners, developers, and citizens
- Update the BT TDP with an annual letter in October of each year

6.04 Short Range Transportation Planning	FTA Sec. 5303	State Match	Local Match	Total
Transit FY 18	\$32,715	\$4,089	\$4,089	\$40,893
Transit FY 17	\$25,940	\$3,243	\$3,243	\$32,425
Total	\$58,655	\$7,332	\$7,332	\$73,318

FTA#: 44.25.00 Transportation Improvement Plan

Objective and Description: The objective of the Transportation Improvement Program (TIP) task is to support development efforts of improvement program documents. The primary objectives of this task are:

- To provide transit-relevant information for the Statewide Transportation Improvement Program (STIP) a four-year document, and for other planning documents

Products:

- Provide relevant information via written reports and/or edits for updates to the Town of Blacksburg 2046 Comprehensive Plan
- Provide relevant information for updates to the Montgomery County 2035 plan
- Provide relevant information and textual write-ups for the Town of Blacksburg Capital Improvement Program,
- Review and provide relevant input to the New River Valley Rural Long Range Plan (in coordination with the PDC)
- Review, edit, and provide input regarding transit for the Unified Planning Work Program (UPWP) for the MPO
- Provide a set of updated GIS data files showing bus stops and routes for use by stakeholders upon request
- Provide ridership and other relevant data regarding bus stop routes, based on the bus stop inventory database, and as needed, based on queries of data available from BT's IT department

6.05 Transportation Improvement/NTD	FTA Sec. 5303	State Match	Local Match	Total
Transit FY 18	\$4,089	\$511	\$511	\$5,112
Transit FY 17	\$3,243	\$405	\$405	\$4,053
Total	\$7,332	\$916	\$916	\$9,165

FTA#: 44.27.00 Other Activities/Special Studies

Objective and Description: The objective of the other activities/special studies task is to provide for a task that covers unanticipated or otherwise, needed activities related to regional transit planning. The primary objectives of this task are:

- To provide input and leadership as a member of the New River Valley MPO and the New River Valley PDC
- To work with members from the MPO and the PDC to coordinate and enhance regional transportation planning efforts through collaboration and joint activities

Products:

- Attend Monthly MPO TAC meetings and provide summary reports to transit and other stakeholders as needed.
- Attend NRV PDC Transportation TAC meetings and provide summary reports as needed
- Communicate both relevant MPO and PDC regarding transit to staff so BT can coordinate efforts with Virginia Tech staff on a regular basis and with others stakeholders as needed
- Facilitate, support, and/or conduct feasibility studies for potential and new transit services in the MPO region
- Coordinate with Town of Blacksburg and other staff as needed regarding transit-related issues within the MPO region

6.07 Other Special Studies	FTA Sec. 5303	State Match	Local Match	Total
Transit FY 18	\$4,089	\$511	\$511	\$5,112
Transit FY 17	\$3,243	\$405	\$405	\$4,053
Total	\$7,332	\$916	\$916	\$9,165

Previous Work Toward Objective:

On January 14, 2016, Blacksburg Transit provided an annual update TDP letter to DRPT including 6-year project and funding estimates through FY2022. The Route Analysis effort (to analyze routing in conjunction with the proposed MMTF)was completed in September 2014, by Michael Baker International with subcontract to Foursquare ITP; the final report was placed on the Town of Blacksburg's FTP site for distribution as needed, as of February 8, 2016. The February 2015 VDRPT proposal to expand services for senior transportation was accepted and funded, to support three days of demand-response service between Warm Hearth Village and the LewisGale Hospital Montgomery within the MPO service area with service to pre-approved locations within Christiansburg and Blacksburg. Additional projects recently completed include a MMTF Operations Plan launched in October 2013, with final report completed September 8, 2014. The MMTF is currently at 30% design; construction funds were applied for on February 1, 2015 from DRPT, and 100% design completion is expected by August 2015. BT also hosted a part-time, paid GIS-Transportation Planning Intern from October 2015 to continue into 2016, and two for-credit interns from during 2015-2016, supervised by the Regional Transportation Planner. There are plans for additional 2016-2017 interns, possibly through the Virginia Tech Work Study program, as well.

Another recently completed project was the New River Valley Metropolitan Planning Organization Bus Stop Safety and Accessibility Study for the Town of Blacksburg, with final report completed July 2015. This was previously referred to as the "Transit, Bicycle- and Pedestrian study", and it was completed by Kimley-Horn and Associates, Inc. Three additional projects were recently kicked off:

Initial work began on the Regional Cost Model (RCM) upgrade for Blacksburg Transit in the spring of 2015 with Michael Baker International and Foursquare Integrated Transportation Planning, Inc. kicking off the project with an onsite meeting. Design and development of the upgraded model is nearing completion and testing and calibration including an onsite demonstration is expected to take place over the summer. Project completion is anticipated for September 2016.

The Regional Transit Study task order was issued on February 27, 2015 and officially kicked-off on March 17, 2015, led by the New River Valley Regional Commission (NRVRC). The study aims to complete the second strategy identified by the Regional Transit Coordinating Council (RTCC). In 2015, a total of five unique public transit operators had routes/stops that overlapped at eight unique locations. Each of the eight locations were investigated and strategies to enhance the physical appearance and accessibility to information were developed. The next steps include finalizing the study and releasing the document for public review/comment. The Study is projected to be complete by June 2016.

With plans first starting in late 2013, the Passenger Rail Study was formally launched in early 2015 by the NRVRC. Numerous actions took place including establishing a working committee and a passenger rail committee, reviewing the history of rail in the region, identifying economic impacts, identifying and ranking numerous potential sites, and evaluating a final subset to get to two recommendation locations for consideration. On January 7, 2016 the MPO Policy Board recommended two locations in Christiansburg be explored through an Operational Analysis. The final report with appendices was distributed to the MPO February 17, 2016, also available at <http://nrvrc.org/nrvpassengerrailstudy/>.

Relationship to Other Activities:

Provide support for overall improvements to operation of Blacksburg Transit; maintaining public transit service compliance with FTA guidance and regulations under SAFETEA-LU.

Agency Responsible for Work:

- a) Blacksburg Transit by pass-through contract with the New River Valley Metropolitan Planning Organization and
- b) The New River Valley Metropolitan Planning Organization, as funds recipient.

***New River Valley
Metropolitan Planning Organization***

May 17, 2017

Resolution Approving Amendment #4 for the 2015-18 TIP

On a motion by _____ seconded by _____ and carried unanimously,

WHEREAS, the MPO approved the 2015-2018 Transportation Improvement Program (TIP) in June, 2014, and

WHEREAS, additional funding was found by VDRPT that could be utilized by Blacksburg Transit and this additional funding needs to be included in the MPO TIP, and

WHEREAS, Amendment #4 was advertised for public comment, sent to the MPO email list, posted it on the MPO website, and sent it to the MPO Interested Parties and Governmental Review Agencies, and

WHEREAS, no comments were received,

WHEREAS, the TAC recommends approval.

NOW, THEREFORE BE IT RESOLVED that the New River Valley Metropolitan Planning Organization approves Amendment # 4 to the 2015-18 TIP.

F. Craig Meadows, Chairman

**Transportation Improvement Program
(TIP)
for the
New River Valley Metropolitan Planning
Organization**

Fiscal Years 2015 – 2018

Approved June 5, 2014

Amendment # 1 November 6, 2014

Administrative Adjustment # 1 December 5, 2014

Administrative Adjustment #2 June 4, 2015

Amendment # 2 July 9, 2015

Administrative Adjustment #3 December 3, 2015

Administrative Adjustment #4 May 2, 2016

Amendment # 3 September 1, 2016

Administrative Adjustment #5 February 15, 2017

Administrative Adjustment # 6 March 8, 2017

Amendment # 4 -----

Table of Contents

- I. Introduction Pages 3-9

- II. Highway Projects Pages 10-17

- III. Transit Projects Pages 18-27

- IV. Airport Projects Pages 28-30

Introduction

Purpose and Development

The Transportation Improvement Program (TIP) for the Blacksburg Urbanized Area is a comprehensive listing of transportation activities to be undertaken during the three-year interval for which it is developed. The basic purpose of the TIP is to recommend transportation projects for federal funding while combining the efforts of local jurisdictions into a regionally coordinated plan of improvements. The TIP is developed in accordance with provisions in federal legislation; Moving Ahead for Progress in the 21st Century (MAP-21). A summary of Highway provisions in MAP-21 can be found on the MPO website or at the following link: www.fhwa.dot.gov/map21/summaryinfo.cfm. An update to this legislation is currently being developed in Congress.

Projects are proposed for the TIP by local officials, transit operating officials, the Virginia Department of Transportation and any other agencies or officials responsible for transportation projects within the region. These officials, through the New River Valley Metropolitan Planning Organization (MPO), select and schedule projects that they support for endorsement in the TIP. The Transportation Improvement Program is endorsed annually by the MPO and may be modified by amendments at any time. MPO membership currently includes officials from Montgomery and Pulaski Counties, the Towns of Blacksburg and Christiansburg, The City of Radford, Virginia Tech, Radford University, New River Community College, the New River Planning District Commission, Blacksburg Transit, Radford Transit, Pulaski Transit, the Virginia Tech/Montgomery Regional Airport Authority, the Virginia Department of Transportation, the Virginia Department of Rail and Public Transportation, the Federal Highway Administration, and the Federal Transit Administration.

The Comprehensive, Continuing, Cooperative (3-C) process of the MPO, provides a natural mechanism by which the plan can be carefully reviewed and updated annually. Annual development of this program helps to clarify future needs, allow revisions to accommodate changing conditions, and allows developing local and regional plans to be continually incorporated. The Technical Advisory Committee to the MPO made up of representatives from local, state, and federal agencies, provides the professional expertise necessary to derive a plan, and ensure that all local and regional interests are considered. Once the program is developed, the MPO reviews and approves the program according to policies adopted by the local governments.

With few exceptions, any proposed transportation project should be included in the TIP to be considered eligible for federal funding. All phases of a project including preliminary engineering, right-of-way acquisitions, or construction should be documented in the TIP.

Understanding the TIP

The arrangement of the Transportation Improvement Program identifies those capital projects anticipated during fiscal years 2015-16, through 2018-19. The project tables generally include a brief description of each project and the projected funding required to complete the project. This document provides detailed project tables for highway improvements including Interstate, Primary, Urban and Secondary system projects; safety improvements, Transportation Alternative projects, public transportation improvements, and airport improvements.

Financial Plan

The New River Valley MPO Transportation Improvement Program (TIP) provides a summary of how transportation revenues in the program will be invested over a four year period by the state and local agencies that have legal responsibility to build, operate, and maintain the state's highway, road, street, airport, and public transit systems. Federally-funded expenditures are required by federal law to be consistent with the FY2035 Long Range Plan adopted in November 2010 and to be constrained to include only projects that we anticipate having enough revenue to complete. A portion of this money is used to maintain and operate the transportation systems. The remainder is for capital projects.

The project tables have been derived from information provided to the MPO staff by the state and local agencies responsible for funding participation. These tables represent the best estimate of project descriptions and costs that can be made in advance of final negotiation. The principal references for the compilation of the roadway improvements section was the Virginia Commonwealth Transportation Board's current Transportation Development Plan, and the reader is directed to this publication for further discussion of the majority of roadway projects included in this report, as well as the Six Year Secondary Road Improvement Program for Montgomery County.

Federal regulations require the TIP to be financially constrained by fiscal year. The STIP must demonstrate that there is enough money available each year to fund projects listed in the TIP for the year. The purpose of the included tables is to demonstrate financial constraint (for Highway Projects, see pp. 9-15; for Transit/Public Transportation Projects, see pp. 16-21; for Airport/Aviation Projects, see pp. 22-23). The tables compare estimated revenues and expenditures by funding source and indicate how much revenue is estimated will be available each year from federal, state and local sources.

Definitions and Abbreviations

- *AC - Advance Construction*

- *ADA - Americans with Disabilities Act*

- *Allocation - An administrative distribution of funds set apart or designated for a special purpose.*

- *Apportionment - A law that refers to a statutorily prescribed division or assignment of funds. An apportionment is based on prescribed formulas in the law and consists of dividing authorized obligation authority for a specific program.*

- *BH – Bridge Rehabilitation Funds*

- *BR – Bridge Replacement Funds*

- *BROS – Bridge (off-system, not on the federal-aid system)*

- *DEMO – Demonstration*

- *Earmarked – To reserve or set aside for a specific purpose*

- *EB – Equity Bonus*
- *EN – Enhancement Funds*
- *IM – Interstate Maintenance Funds*
- *M – Urbanized Funds*
- *MG – Minimum Guarantee*
- *NHS – National Highway System Funds*
- *PAPI – Precision Approach Path Indicator*
- *PPMS – Project Planning Management System (VDOT Tracking System Number)*
- *RPZ – Runway Protection Zone RRP – Rail Highway Protective Devices Funds*
- *RRP – Rail Highway Protective Devices Funds*
- *RRS – Rail Highway Grade Separation Funds*
- *S – State Funds*
- *STP – Surface Transportation Program Funds*
- *UST – Underground Storage Tank*
- *[] – Signifies a Very Preliminary Estimate of Cost*

MASS TRANSPORTATION PROGRAM

Federal Mass Transportation Funding

Federal grants for public transportation programs are authorized by the Federal Transit Act Amendments of 1991. Brief descriptions of funding categories for capital and operating expenses are given below.

Section 5309 (Formerly Section 3) – These funds are used primarily for large scale capital investment projects such as the construction/implementation of new mass transit systems. Other qualifying projects include extension of existing fixed guide way facilities, new bus or other rolling stock purchases, improvements for rail or bus systems, purchase of right of way and construction of intermodal transfer centers. Section 5309 funds are available to local transit programs on a formula and discretionary basis with 40% of the funds allocated to new rail starts, 40% for rail modernization, and 20% for purchase, replacement, and rehabilitation of buses and related equipment.

Section 5309 projects receive 80% federal funding. Project priority is determined by the state outside of Transportation Management Areas (TMAs – those urbanized areas having a population greater than 200,000). The Metropolitan Planning Organization (MPO) has responsibility for setting project priorities within TMAs.

Section 5307 (formerly Section 9) - These funds may be used for capital and operating expenses. Section 5307 funds are allocated by formula to states for distribution to urbanized areas with a population greater than 50,000. Distribution of these funds to urbanized areas with less than 200,000 is at the state's discretion. States may transfer a limited portion of these funds to Section 5311 (rural transit programming) if approved by an urbanized area declining funds. Operating subsidies may be used for highway projects under certain circumstances.

The Federal Transit Administration will fund 90% of the costs of capital projects to improve bicycle access to mass transit or meet the requirements of the Clean Air Act or Americans with Disabilities Act. Otherwise the federal share of capital costs is 80%. Section 5307 funds can only provide 50% of total operating cost.

MPOs have responsibility for setting project priority within urbanized areas with a population over 200,000. The state has responsibility otherwise.

Section 5310 (Formerly section 16) – These funds are available to qualifying private nonprofit and public agencies to purchase vehicles and equipment necessary to provide special transportation services for elderly and disabled clients. Funds may not be used for operating expenses.

Such acquisitions may receive up to 80% federal funding of the total cost of equipment. Project priority is the responsibility of the state for urbanized areas with a population under 200,000.

Section 5311 (formerly Section 18) – These formula grants are awarded to states for distribution to rural or small urban areas (i.e. areas under 50,000 population) for general public transit projects. Funds may be used for capital or operating expenses.

Up to 80% of capital improvements and up to 50% for operating expenses may be federally funded. Project priority is determined by the state.

The Federal Transit Administration has several other funding programs that are for planning purposes and are generally not referred to in the Transportation Planning and Research Program. One other program is available to encourage development of new privately operated transit services, which is the Entrepreneurial Services Challenge Program.

Mass Transportation Project Justification Narratives

In accordance with FTA reporting procedures discussions of the justification for individual projects applied for under Section 5309 and 5307 of the Urban Mass Transportation Act must be included in the TIP. Section 5310 projects, which are reported through the Virginia Department of Rail and Public Transportation Division, remain unaffected by this requirement.

Operating Assistance (Blacksburg Transit)

Blacksburg Transit, a department of the Town of Blacksburg, Virginia, is a designated recipient of state and federal aid programs for public transit service. BT provides transit service to roughly 65,000 residents of the MPO area. Transit service is provided within the Town of Blacksburg, with a route that runs through Montgomery County to the Town of Christiansburg. Since a majority of Blacksburg Transit ridership is associated with the local university, Virginia Tech, service schedules coincide with the class schedules at the university.

During full service the hours of operation for routes within the Town of Blacksburg town limits are:

Monday – Thursday 7:00 am to 12:45 am

Friday 7:00 am to 2:45 am

Saturday 9:30 am 2:45 am

Sunday 11:30 am to 11:30 pm

During reduced service* the hours of operation are:

Monday – Friday 7:00 am to 10:15 pm

Saturday 9:30 am 7:15 pm

Sunday 11:30 am to 7:15 pm

*note “reduced service” is during the summer and winter breaks. There is no Sunday service in the summer.

Blacksburg Transit’s complementary paratransit service is known as BT ACCESS. BT ACCESS’ door-through-door service for disabled persons in the community is widely recognized as one of the best in the state.

For routes in Blacksburg, Blacksburg Transit maintains and active fleet of 45 full-sized transit buses and 9 paratransit vehicles. Blacksburg Transit’s fleet is 100 percent accessible. Morning pullout during full service is 34 transit buses and 4 paratransit vans. BT provided 3,530,227 passenger trips during fiscal year 2013.

Service for the Town of Christiansburg

Service in the Town of Christiansburg covers all areas within the Town limits. The current routes now include the Go Anywhere! (demand-response), Explorer (deviated fixed route), and Commuter Service routes.

For year round service within Christiansburg, the hours of operation are:

Monday – Thursday 7:00 am to 6:00 pm

Friday 7:00 am to 10:00 pm

Saturday 8:00 am to 11:00 pm

There is no Sunday service.

For the Town of Christiansburg, BT maintains an active fleet of 2 buses and 4 Body on Chassis (BOC) vehicles and all vehicles are accessible.

Blacksburg Transit, in cooperation with Virginia Tech, plans to construct a multi-modal transfer facility (MMTF) to serve the existing and future riders in Blacksburg and the surrounding region. It is envisioned that this facility will be a hub for local and regional transit, creating a centralized transportation center that will promote alternative modes and facilitate non-automobile traffic. The facility will allow future expansion of service to be better served by an expanded and comprehensive transit operation.

The NRV MPO policy board has authorized the Town Manager of the Town of Blacksburg on behalf of the NRV MPO to seek federal and state funding to support transit services. The projected program budget for fiscal year 2014 is for expenditures to be incurred for the provision of a standard level of transit service system-wide and represents no major changes in eligible expense categories from the previous grant year.

Operating Assistance (Radford Transit)

Radford Transit is a service provided by the City of Radford, service is contracted through New River Valley Community Services and is a partnership between the City of Radford and Radford University. RT provides service to all citizens and students of the City of Radford, Radford University, Fairlawn in Pulaski County, with connecting service to Christiansburg, Blacksburg and the I-81 Park & Ride lot located at exit 118 of Interstate 81. Service is provided year-round with reduced service provided during times when Radford University is not in session.

At times when full service levels are provided typical hours of operation are as follows:

Monday - Wednesday: 7am - 10pm

Thursday - Friday: 7am - 2:40am

Saturday: 10am - 2:40am

Sunday: 6pm - 12am

Reduced service hours (when Radford University is not in session) are as follows:

Monday - Friday: 7am - 7:40pm

Saturday: 10am - 7:40pm

All Radford Transit is "deviated fixed-route" which enables any person requesting a deviation to do so with 24 hour notice. Buses may deviate from fixed routes up to $\frac{3}{4}$ mile from the nearest bus stop.

Radford Transit's fleet consists of ten (10) body-on-chassis (Cutaway) style buses, two (2) 29-passenger medium duty body-on-chassis (Cutaway) style buses, four (4) low floor heavy duty transit buses. RT is in the process of procuring two (2) body-on-chassis (Cutaway) style buses as required for expansion and spare ratios.

In its first year of service RT provided 187,332 passenger trips (August 8th, 2011 - June 30th 2012). By the second year of service RT has seen ridership more than double to a total of 328,848 passenger trips in FY 2013. With current passenger trips as of March 2014, RT is expected to surpass 350,000 passenger trips in FY 2014. RT employs approximately 45 full and part-time employees and is a functioning department of New River Valley Community Services within the agency's transit services department. NRVCS also provides Community Transit (CT) service throughout the New River Valley, this service targets human service transportation and provides some service for Radford Transit in the connection with the New River Valley Medical Center.

New River Valley MPO

Primary Projects

UPC NO	99425	SCOPE	Reconstruction w/Added Capacity			
SYSTEM	Primary	JURISDICTION	Blacksburg	OVERSIGHT	NFO	
PROJECT	RTE 460 - Southgate Dr. Interchange & Connector			ADMIN BY	VDOT	
DESCRIPTION	FROM: 0.156 Mi. W. Int. Southgate Dr. TO: 0.799 Mi. E. Int. Southgate Dr. (0.9556 MI)					
PROGRAM NOTE:	TIP AMD to update PE based on actual oblig's & current estimate. Add \$1,500,000 (NHPP) Prev, add \$2,094,440 STP Prev, reduce \$3,682,361 AC-STP Prev; reduce \$3,682,361 (ACC-STP); RW add \$\$1,385,787 (AC-STP) FFY15; move \$697,981 STP from Prev to (ACC-STP) FFY16; Add \$1,189,825 ACC STP FFY16; CN add \$9,621,262 (AC-STP) FFY15; add \$3,210,864 (ACC-STP) FFY16, \$12,898,722 FFY17 & \$7,033,041 FFY18; add \$2,221,502 (AC-NHPP) FFY15; Add \$2,221,502 (ACC-NHPP) FFY18; Release \$5,753,735 (AC-Other) FFY15. (aw1					
ROUTE/STREET	RTE. 460 BYPASS (0460)			TOTAL COST	\$52,199,088	
	FUND SOURCE	MATCH	FY15	FY16	FY17	FY18
PE	Federal - AC CONVERSION	\$0	\$237,859	\$1,375,511	\$0	\$0
RW	Federal - AC CONVERSION	\$0	\$0	\$1,887,806	\$0	\$0
RW AC	Federal - AC	\$0	\$1,385,787	\$0	\$0	\$0
CN	Federal - AC CONVERSION	\$0	\$0	\$3,210,864	\$12,898,722	\$9,254,543
CN AC	Federal - AC	\$0	\$43,599,204	\$0	\$0	\$0
MPO Note						

UPC NO	17345	SCOPE	New Construction Roadway			
SYSTEM	Primary	JURISDICTION	Montgomery County	OVERSIGHT	NFO	
PROJECT	"SMART HIGHWAY" - 2 LANES ON 4 LANE RW - PE & RW ONLY			ADMIN BY	VDOT	
DESCRIPTION	FROM: 0.671 KILOMETER EAST ROUTE 723 TO: ROUTE I-81 (6.4000 KM)					
PROGRAM NOTE	All funding obligated based on current allocations/estimate					
ROUTE/STREET	SMRT			TOTAL COST	\$122,370,705	
	FUND SOURCE	MATCH	FY15	FY16	FY17	FY18
PE	Federal - STP/F	\$58,294	\$233,175	\$0	\$0	\$0
PE AC	Federal - AC	\$0	\$4,926,227	\$0	\$0	\$0
RW	Federal - STP/F	\$29,974	\$119,894	\$0	\$0	\$0
MPO Note						

UPC NO	84127	SCOPE	Safety			
SYSTEM	Primary	JURISDICTION	Montgomery County	OVERSIGHT	NFO	
PROJECT	Smart Road - Research & Operations (Blacksburg) SAFETEA-LU			ADMIN BY	VDOT	
DESCRIPTION						
ROUTE/STREET	SMRT			TOTAL COST	\$6,391,952	
	FUND SOURCE	MATCH	FY15	FY16	FY17	FY18
		\$0	\$0	\$0	\$0	\$0
MPO Note						

New River Valley MPO

Project Groupings

GROUPING		Construction : Bridge Rehabilitation/Replacement/Reconstruction					TOTAL COST	
ROUTE/STREET							\$39,669,067	
	FUND SOURCE	MATCH	FY15	FY16	FY17	FY18		
PE	Federal - BR	\$79,562	\$318,249	\$0	\$0	\$0	\$0	
	Federal - STP/F	\$128	\$513	\$0	\$0	\$0	\$0	
PE TOTAL		\$79,691	\$318,762	\$0	\$0	\$0	\$0	
RW	Federal - BR	\$2,402	\$9,609	\$0	\$0	\$0	\$0	
	Federal - STP/F	\$476	\$1,905	\$0	\$0	\$0	\$0	
RW TOTAL		\$2,879	\$11,514	\$0	\$0	\$0	\$0	
RW AC	Federal - AC	\$0	\$0	\$459,332	\$0	\$0	\$0	
CN	Federal - AC CONVERSION	\$0	\$1,614,534	\$0	\$0	\$0	\$0	
	Federal - BR	\$22,509	\$90,034	\$0	\$0	\$0	\$0	
CN TOTAL		\$22,509	\$1,704,568	\$0	\$0	\$0	\$0	
CN AC	Federal - AC	\$0	\$24,107	\$0	\$12,431,450	\$0	\$0	
MPO Note								

GROUPING		Construction : Safety/ITS/Operational Improvements					TOTAL COST	
ROUTE/STREET							\$63,396,337	
	FUND SOURCE	MATCH	FY15	FY16	FY17	FY18		
PE	Federal - HSIP	\$494	\$129,453	\$0	\$0	\$0	\$0	
	Federal - STP/SRS	\$0	\$64,558	\$0	\$0	\$0	\$0	
	Federal - STP/SU	(\$37,291)	(\$149,165)	\$0	\$0	\$0	\$0	
PE TOTAL		(\$36,797)	\$44,846	\$0	\$0	\$0	\$0	
PE AC	Federal - AC	\$109,183	\$567,104	\$0	\$0	\$0	\$0	
RW	Federal - EB	\$155,031	\$620,124	\$0	\$0	\$0	\$0	
	Federal - STP/SRS	\$0	\$7,000	\$0	\$7,500	\$0	\$0	
RW TOTAL		\$155,031	\$627,124	\$0	\$7,500	\$0	\$0	
RW AC	Federal - AC	\$0	\$857,152	\$0	\$0	\$455,000	\$0	
CN	Federal - EB	\$71,588	\$286,351	\$0	\$0	\$0	\$0	
	Federal - HSIP	\$14,582	\$131,237	\$0	\$0	\$0	\$0	
	Federal - STP/F	\$7,706	\$30,823	\$0	\$0	\$0	\$0	
	Federal - STP/SRS	\$0	\$231,400	\$0	\$162,942	\$0	\$0	
	Federal - STP/SU	(\$37,995)	(\$151,980)	\$0	\$0	\$0	\$0	
CN TOTAL		\$55,880	\$527,831	\$0	\$162,942	\$0	\$0	
CN AC	Federal - AC	\$657	\$4,016,879	\$0	\$0	\$0	\$0	
MPO Note								

GROUPING		Construction : Transportation Enhancement/Byway/Non-Traditional				
ROUTE/STREET					TOTAL COST	\$4,323,489
	FUND SOURCE	MATCH	FY15	FY16	FY17	FY18
PE	Federal - STP/EN	(\$230,476)	(\$921,903)	\$0	\$0	\$0
PE AC	Federal - AC	\$0	\$0	\$193,278	\$0	\$0
RW	Federal - NHPP	\$0	\$300,000	\$0	\$0	\$0
	Federal - STP/EN	\$450	\$1,800	\$0	\$0	\$0
	Federal - TAP/F	\$48,274	\$193,094	\$0	\$0	\$0
RW TOTAL		\$48,724	\$494,894	\$0	\$0	\$0
RW AC	Federal - AC	\$0	\$0	\$350,000	\$0	\$0
CN	Federal - AC Conversion	\$0	\$0	\$0	\$2,000,000	\$0
	Federal - STP/EN	\$258,513	\$1,034,052	\$0	\$0	\$0
	Federal - TAP/F	\$57,069	\$228,276	\$0	\$0	\$0
CN TOTAL		\$315,582	\$1,262,328	\$0	\$2,000,000	\$0
CN AC	Federal - AC	\$0	\$1,419,521	\$4,000,470	\$0	\$0
MPO Note		TIP Adj. Add UPC 105518 to NRV MPO CN: Transportation/Byway/Non-Traditional Grouping; update based on actual oblig's & current estimate: add \$700,000 (NHPP) Prev add \$193,278 (AC-Other) FFY16 PE phase; add \$300,000(NHPP) FFY15, add \$350,000 (AC-Other) FFY16 RW phase; add \$2,000,470 (AC-Other), add \$2,000,000 (AC-STP) FFY16 with conversion in FFY17 CN phase. (lco 11/30/15)				

GROUPING		Maintenance : Preventive Maintenance and System Preservation				
PROGRAM NOTE		Funding identified to be obligated districtwide as projects are identified.				
ROUTE/STREET					TOTAL COST	
	FUND SOURCE	MATCH	FY15	FY16	FY17	FY18
CN	Federal - STP/F		\$12,220,958	\$7,571,606	\$5,786,916	\$6,993,405
MPO Note						

GROUPING		Maintenance : Preventive Maintenance for Bridges				
PROGRAM NOTE		Funding identified to be obligated districtwide as projects are identified.				
ROUTE/STREET					TOTAL COST	
	FUND SOURCE	MATCH	FY15	FY16	FY17	FY18
CN	Federal - BR		\$1,753,772	\$1,753,772	\$1,753,772	\$1,753,772
	Federal - STP/F		\$2,289,791	\$5,332,575	\$4,747,767	\$5,064,173
CN TOTAL			\$4,043,563	\$7,086,347	\$6,501,539	\$6,817,945
MPO Note						

GROUPING	Maintenance : Traffic and Safety Operations					
PROGRAM NOTE	Funding identified to be obligated districtwide as projects are identified.					
ROUTE/STREET					TOTAL COST	
	FUND SOURCE	MATCH	FY15	FY16	FY17	FY18
CN	Federal - STP/F		\$2,332,126	\$2,909,645	\$2,669,524	\$2,799,440
MPO Note						

GROUPING	Construction : Rail					
ROUTE/STREET					TOTAL COST	\$570,234
	FUND SOURCE	MATCH	FY15	FY16	FY17	FY18
PE	Federal - STP/RAIL	\$0	\$38,500	\$0	\$78,271	\$0
RW	Federal - STP/RAIL	\$4,600	\$0	\$0	\$41,400	\$0
CN	Federal - STP/RAIL	\$37,317	\$0	\$0	\$335,850	\$0
CN AC	Federal - AC	\$0	\$0	\$0	\$32,433	\$0
MPO Note		TIP AMD to add CN_Rail grouping to New River Valley MPO & add UPC 105608: update based on current estimate & actual oblig's; add \$\$38,500 (STP) FFY15 & \$78,271 (STP) FFY16 PE phase; add \$41,400 (STP) FFY17 RW phase; add \$335,850 (STP) FFY17 & \$32,433 (AC-Other) FFY17 CN phase. (lco 12/7/15)				

Appendix A

Projects by Grouping

Construction : Bridge Rehabilitation/Replacement/Reconstruction

System	UPC	Jurisdiction / Name / Description	Street (Route)	Estimate
Interstate	93074	Christiansburg RTE. 81 - APPROACHES AND BRIDGES OVER ROUTE 8 FROM: Christiansburg SCL TO: 0.035 Mile North of Christiansburg SCL	0081	\$24,343,147
Interstate	93075	Montgomery County RTE. 81 - Mont. Co. Approaches to I-81 bridges over Route 8 FROM: 0.200 Mile South of Christiansburg SCL TO: Christiansburg SCL (0.2000 MI)	0081	\$10,564,465
Primary	18866	Montgomery County RTE 114 - BRIDGE REPLACEMENT ON WBLOVER NS RAILWAY FROM: 1.07 MILE EAST MONTGOMERY-PULASKI CL TO: 0.21 MILE EAST MONTGOMERY-PULASKI CL (0.8700 MI) Linked with Parent UPC 50030	0114	\$5,014,379
Primary	50030	Montgomery County RTE 114 - WBL BRIDGE REPLACEMENT OVER THE NEW RIVER FROM: 0.21 MILE EAST MONTGOMERY-PULASKI CO LINE TO: MONTGOMERY-PULASKI CO LINE Linked with child UPC 18866	0114	\$15,206,734
Secondary	90087	Montgomery County RTE. 773 - BRIDGE REPLACEMENT (STR. 6132) FROM: Intersection Rte. 626 TO: 0.089 miles north intersection Rte 626 (0.0890 MI)	CANNERY ROAD (0773)	\$3,281,675
Construction : Bridge Rehabilitation/Replacement/Reconstruction Total				\$39,669,067

Construction : Safety/ITS/Operational Improvements

System	UPC	Jurisdiction / Name / Description	Street (Route)	Estimate
Interstate	82093	Salem District-wide FY14-FY15 Install New VMS on Interstate 81 FROM: MM 122.6 SB TO: MM 87.2 NB	INTERSTATE 81 (0081)	\$500,000
Miscellaneous	102853	Blacksburg Town of Blacksburg - SRTS - Harding Ave ES - Bike/Ped imp. FROM: 429 Harding Avenue TO: Various	HARDING AVENUE (0000)	\$250,000
Miscellaneous	102854	Blacksburg Town of Blacksburg - SRTS - Margaret Beeks ES - B/P imp. FROM: 709 Airport Road TO: Various	AIRPORT ROAD (0000)	\$31,500
Miscellaneous	81419	Salem District-wide DISTRICTWIDE ROADWAY SAFETY ASSESSMENT - SALEM FY07 HSIP PROJECT	0000	\$0
Primary	105303	Montgomery County MONTGOMERY COUNTY - SRTS - BELVIEW ES - HIGH VIS CROSSING FROM: JADE DR TO: PRICES FORK RD (0.1000 MI)	PEPPERS FERRY RD (0000)	\$235,000
Primary	100663	Blacksburg RTE 460 - Install Flashing Beacons and Warning Signs FROM: 460 Bypass/Pandapas Pond Road TO: 460 Business (N. Main St/Farmingdale Ln)	460 BYPASS/PANDAPAS POND ROAD (0460)	\$137,479
Primary	100839	Blacksburg Int. Improvements at Route 460 Ramps and Research Center Dr. FROM: Int. of South Main Street TO: 0.29 mi. North of Int. South Main Street (0.2892 MI)	RESEARCH CENTER DRIVE (0460)	\$3,080,653
Urban	67974	Blacksburg TOWN OF BLACKSBURG - NORTH MAIN STREET FROM: 0.008 Mi. N. Int. Kabrich Street TO: 0.004 Mi. S. Int. College Avenue (0.5190 MI)	NORTH MAIN ST. (U000)	\$12,775,118
Urban	100657	Blacksburg Improve sight distance at N. Main and Red Maple Drive FROM: North Main Street TO: Red Maple Drive	NORTH MAIN STREET (0460)	\$271,400
Urban	100658	Blacksburg Upgrade Traffic Signal, add ADA Controls along Prices Fork FROM: Prices Fork Road TO: Plantation Road	PRICES FORK ROAD (0000)	\$401,661
Urban	72527	Blacksburg PROGRESS STREET EXTENSION / GIVENS LANE FROM: 0.066 MILE SOUTH ASHFORD COURT/GIVENS LANE TO: 0.072 MILE EAST NORTH MAIN ST/0.003 MILE NORTH CHEROKEE DR. (1.4760 MI)	PROGRESS STREET (U000)	\$16,979,491

Urban	Christiansburg	N. FRANKLIN / CAMBRIA (0460)	\$4,085,000
104387	Intersection improvements - N. Franklin St/Cambria St FROM: Cambria St. TO: Independence Blvd (0.6000 MI) All funding obligated based on current allocations/estimate		
Urban	Christiansburg	PEPPERS FERRY RD (0114)	\$24,649,035
8746	RTE 114 - PEPPERS FERRY ROAD - WIDEN TO 4 LANES FROM: ROUTE 460 TO: 0.789 Km East of WCL (1.5309 KM)		

Construction : Safety/ITS/Operational Improvements Total

\$63,396,337

Construction : Transportation Enhancement/Byway/Non-Traditional

System	UPC	Jurisdiction / Name / Description	Street (Route)	Estimate
Enhancement	103637	Christiansburg Christiansburg Downtown Streetscaping, Phase C503 (Ph1B) FROM: Roanoke Street TO: Franklin Street Linked with Parent UPC 56407	EAST MAIN ST & FRANKLIN ST (0000)	\$1,382,153
Enhancement	89864	Christiansburg Christiansburg Downtown Streetscaping, Phase C502	EN00	\$0
Enhancement	95062	Blacksburg C504 Phase IV of Hokie Bikeways, Huckleberry Trail connector FROM: Connect to existing Huckleberry Tr @ Plantation Road TO: Connect to existing Huckleberry Trail Route 460 Bypass tunnel Linked with Parent UPC 59786	EN01	\$0
Enhancement	103920	Blacksburg Virginia Tech, Hokie Bikeways C505 fence Linked with Parent UPC 59786	EN01	\$0
Enhancement	94264	Montgomery County Huckleberry Trail Extension FROM: Route 114 - Peppers Ferry Road (at Wal-Mart parking lot) TO: Farm View Road Extension (at Home Depot parking lot) Linked with child UPC 103896	EN09	\$560,000
Enhancement	103896	Montgomery County Huckleberry Trail - Phase 2B FROM: Farm View Road Extension (at Home Depot parking lot) TO: Cambria St (1.0000 MI) Linked with Parent UPC 94264	HUCKLEBERRY TRAIL (EN09)	\$0
Urban	59786	Blacksburg VIRGINIA TECH, HOKIE BIKEWAYS FROM: DOWNTOWN TO: GILES COUNTY HIGH SCHOOL Linked with child UPC's 95062 & 103920	EN01	\$491,888
Urban	75187	Blacksburg TOWN OF BLACKSBURG - HOKIE BIKEWAYS - PHASE II THE CRANWELL CONNECTION	EN01	\$0

Urban	Christiansburg	EN00	\$1,889,448
56407	TOWN OF CHRISTIANBURG - STREETSCAPING AND PEDESTRIAN SAFETY MEASURES WITHING THE CENTRAL BUSINESS DISTRICT		
	Linked with child UPC 103637		

Construction : Transportation Enhancement/Byway/Non-Traditional Total **\$4,323,489**

Maintenance : Preventive Maintenance and System Preservation

System	UPC	Jurisdiction / Name / Description	Street (Route)	Estimate
Miscellaneous		Salem District-wide	0000	\$0
	T14722	STIP-MN Salem: Preventive MN and System Preservation		

Maintenance : Preventive Maintenance and System Preservation Total **\$0**

Maintenance : Preventive Maintenance for Bridges

System	UPC	Jurisdiction / Name / Description	Street (Route)	Estimate
Miscellaneous		Salem District-wide	0000	\$0
	T14721	STIP-MN Salem: Preventive MN for Bridges		

Maintenance : Preventive Maintenance for Bridges Total **\$0**

Maintenance : Traffic and Safety Operations

System	UPC	Jurisdiction / Name / Description	Street (Route)	Estimate
Miscellaneous		Salem District-wide	0000	\$0
	T14720	STIP-MN Salem: Traffic and Safety Operations		

Maintenance : Traffic and Safety Operations Total **\$0**

Blacksburg MPO Total			\$107,388,893
-----------------------------	--	--	----------------------

**TABLE C : New River Valley MPO
FEDERAL FUNDING CATEGORIES
FISCAL CONSTRAINT BY YEAR**

Highway Projects
FFY 2015 - 2018

Fund Source	FFY 2015		FFY 2016		FFY 2017		FFY 2018		TOTAL	
	Projected Obligation Authority	Planned Obligation								
Federal										
BR/BROS	\$417,892	\$417,892	\$0	\$0	\$0	\$0	\$0	\$0	\$417,892	\$417,892
EB/MG	\$906,475	\$906,475	\$0	\$0	\$0	\$0	\$0	\$0	\$906,475	\$906,475
EN	\$113,949	\$113,949	\$0	\$0	\$0	\$0	\$0	\$0	\$113,949	\$113,949
STP	\$1,346,794	\$1,346,794	\$0	\$0	\$170,442	\$170,442	\$0	\$0	\$1,517,236	\$1,517,236
TAP	\$421,370	\$421,370	\$0	\$0	\$0	\$0	\$0	\$0	\$421,370	\$421,370
Subtotal -- Federal	\$3,206,480	\$3,206,480	\$0	\$0	\$170,442	\$170,442	\$0	\$0	\$3,376,922	\$3,376,922
Other										
State Match	\$725,609	\$725,609	\$0	\$0	\$0	\$0	\$0	\$0	\$725,609	\$725,609
Subtotal -- Other	\$725,609	\$725,609	\$0	\$0	\$0	\$0	\$0	\$0	\$725,609	\$725,609
Total	\$3,932,089	\$3,932,089	\$0	\$0	\$170,442	\$170,442	\$0	\$0	\$4,102,531	\$4,102,531

Federal - ACC (1)										
BR	\$1,614,534	\$1,614,534	\$0	\$0	\$0	\$0	\$0	\$0	\$1,614,534	\$1,614,534
STP	\$5,295,731	\$5,295,731	\$0	\$0	\$0	\$0	\$0	\$0	\$5,295,731	\$5,295,731
Subtotal -- Federal - ACC (1)	\$6,910,265	\$6,910,265	\$0	\$0	\$0	\$0	\$0	\$0	\$6,910,265	\$6,910,265

Maintenance - Federal (5)										
BR/BROS	\$1,753,772	\$1,753,772	\$1,753,772	\$1,753,772	\$1,753,772	\$1,753,772	\$1,753,772	\$1,753,772	\$7,015,088	\$7,015,088
STP	\$16,842,875	\$16,842,875	\$15,813,826	\$15,813,826	\$13,204,207	\$13,204,207	\$14,857,018	\$14,857,018	\$60,717,926	\$60,717,926
Subtotal -- Maintenance - Federal (5)	\$18,596,647	\$18,596,647	\$17,567,598	\$17,567,598	\$14,957,979	\$14,957,979	\$16,610,790	\$16,610,790	\$67,733,014	\$67,733,014

- (1) ACC -- Advance Construction -- Funding Included in Federal Category based on year of AC Conversion.
- (2) CMAQ/RSTP includes funds for TRANSIT projects.
- (3) Multiple MPO Category - Funding to be obligated in Multiple MPO Regions.
- (4) Statewide Category - Funding to be obligated Statewide for projects as identified.
- (5) Maintenance Projects - Funding to be obligated for maintenance projects as identified.

	Previous Funding	FY 2015	FY 2016	FY 2017	FY 2018	Total FY 2015-2018		
BLACKSBURG METROPOLITAN PLANNING ORGANIZATION								
STIP ID: BBT0001		Title: Operating Assistance			Recipient: Blacksburg Transit			
FTA 5307		1,849	1,648	1,610	1,441	FTA 5307	6,548	Blacksburg Transit
Flexible STP		100				Flexible STP	100	Blacksburg Transit
State		1,500	1,406	1,410	1,463	State	5,779	Blacksburg Transit
Local		2,646	3,435	3,999	3,586	Local	13,666	Blacksburg Transit
Revenues		212	177	216	176	Revenues	781	Blacksburg Transit
Year Total:	-	6,307	6,666	7,235	6,666	Total Funds:	26,874	Blacksburg Transit
Description:	Adjustment 34 - use \$100K lapsed funding for preventive maintenance. New Adjustment-use \$98,206 lapsing funds for 5307 Operating FY 15 per notice from DRPT 4/20/15. Adjustment - Increase FY17 funding by \$569K (increase FTA 5307 \$169K, decrease State \$53K, increase local \$413K, increase revenues \$40K) in accordance with Draft FY17 SYIP.							
STIP ID: BBT0002		Title: Replacement Rolling Stock			Recipient: Blacksburg Transit			
Flexible STP		1,014	394	360	207	Flexible STP	1,975	Blacksburg Transit
State		203	79	72	26	State	380	Blacksburg Transit
Local		51	20	19	26	Local	116	Blacksburg Transit
Year Total:	-	1,268	493	451	259	Total Funds:	2,471	Blacksburg Transit
Description:	Adjustment - Decrease FY17 funding by \$3K (decrease Flex STP \$4K, increase State \$27K, decrease local \$26K) in accordance with Draft FY17 SYIP.							
STIP ID: BBT0009		Title: Rehab/Renov Facility			Recipient: Blacksburg Transit			
Flexible STP		425	0			Flexible STP	425	Blacksburg Transit
State		85				State	85	Blacksburg Transit
Local		22				Local	22	Blacksburg Transit
Year Total:	-	532	0	-	-	Total Funds:	532	Blacksburg Transit
Description:								

	Previous Funding	FY 2015	FY 2016	FY 2017	FY 2018	Total FY 2015-2018		
STIP ID: BBT0010 Title: Eng Desig Adm Bldg/ Construction Recipient: Blacksburg Transit								
Flexible STP		1,574	10,008	9,161		Flexible STP	20,743	Blacksburg Transit
FTA 5339				1,753		FTA 5339	1,753	
State		315	3,051	6,627		State	9,993	Blacksburg Transit
Local		78	1,451	1,949		Local	3,478	Blacksburg Transit
Year Total:	-	1,967	14,510	19,490		Total Funds:	35,967	Blacksburg Transit
Description:	Amendment #2: MMTF Construction funding split between FY16 & FY17 per DRPT notification April 2015.							
STIP ID: BBT0011 Title: Regional Transit Facility – Mini Hubs Recipient: Blacksburg Transit								
Flexible STP			-	-	-	Flexible STP		Blacksburg Transit
State			-	-	-	State		Blacksburg Transit
Local			-	-	-	Local		Blacksburg Transit
Year Total:	-	-	-	-	-	Total Funds:	-	Blacksburg Transit
Description:								
STIP ID: BBT0014 Title: Spare Parts, ACM Items Recipient: Blacksburg Transit								
Flexible STP			145	128		Flexible STP	273	Blacksburg Transit
State			29	26		State	55	Blacksburg Transit
Local			7	6		Local	13	Blacksburg Transit
Year Total:	-	-	181	160	-	Total Funds:	341	Blacksburg Transit

Description:	Adjustment - Increase FY17 funding \$10K (increase Flex STP \$8K, increase State \$11K, decrease local \$9K) in accordance with Draft FY17 SYIP.					
	Previous Funding	FY 2015	FY 2016	FY 2017	FY 2018	Total FY 2015-2018

STIP ID:	BBT0016	Title: Expansion Rolling Stock	Recipient:	Blacksburg Transit
----------	----------------	--------------------------------	------------	---------------------------

Flexible STP				728	511	Flexible STP	1,239
State				146	64	State	210
Local				36	64	Local	100
Year Total:	-	-	-	910	639	Total Funds:	1,549

Blacksburg Transit
Blacksburg Transit
Blacksburg Transit
Blacksburg Transit

Description:	Adjustment - Decrease FY17 funding \$227K (decrease Flex STP \$181K, increase State \$32K, decrease local \$78K) in accordance with Draft FY17 SYIP.					
--------------	--	--	--	--	--	--

STIP ID:	BBT0017	Title: Passenger Shelters	Recipient:	Blacksburg Transit
----------	----------------	---------------------------	------------	---------------------------

Flexible STP			24	53	41	Flexible STP	118
State			5	11	5	State	21
Local			1	2	5	Local	8
Year Total:	-	-	30	66	51	Total Funds:	147

Blacksburg Transit
Blacksburg Transit
Blacksburg Transit
Blacksburg Transit

Description:	Adjustment - Increase FY17 funding by \$29K (increase Flex STP \$24K, increase State \$7K, decrease local \$2K) in accordance with Draft FY17 SYIP.					
--------------	---	--	--	--	--	--

STIP ID:	BBT0020	Title: ADP Hardware	Recipient:	Blacksburg Transit
----------	----------------	---------------------	------------	---------------------------

Flexible STP		162	32	136	141	Flexible STP	471
State		32	6	27	18	State	83
Local		8	2	7	18	Local	35
Year Total:	-	202	40	170	177	Total Funds:	589

Blacksburg Transit
Blacksburg Transit
Blacksburg Transit
Blacksburg Transit

Description:	Adjustment - Increase FY17 funding by \$35K (decrease Flex STP \$20K, increase State \$13K, increase local \$42K) in accordance with Draft FY17 SYIP.					
	Previous Funding	FY 2015	FY 2016	FY 2017	FY 2018	Total FY 2015-2018

STIP ID: **BBT0021** Title: ADP Software Recipient: **Blacksburg Transit**

Flexible STP		27	20	88	80	Flexible STP	215
State		5	4	18	10	State	37
Local		1	1	4	10	Local	16
Year Total:	-	33	25	110	100	Total Funds:	268

Blacksburg Transit
Blacksburg Transit
Blacksburg Transit
Blacksburg Transit

Description:	Adjustment - Decrease FY17 funding by \$41K (decrease Flex STP \$33K, increase State \$3K, decrease local \$11K) in accordance with Draft FY17 SYIP.					
--------------	--	--	--	--	--	--

STIP ID: **BBT0022** Title: Dynamic Bus Routing & Scheduling Study Recipient: **Blacksburg Transit**

Flexible STP						Flexible STP	
State						State	
Local						Local	
Year Total:	-	-	-	-	-	Total Funds:	

Blacksburg Transit
Blacksburg Transit
Blacksburg Transit
Blacksburg Transit

Description:						
--------------	--	--	--	--	--	--

STIP ID: **BBT0023** Title: Support Vehicles Recipient: **Blacksburg Transit**

Flexible STP			53	168	182	Flexible STP	403
State			10	34	23	State	67
Local			3	8	23	Local	34
Year Total:	-	-	66	210	228	Total Funds:	504

Blacksburg Transit
Blacksburg Transit
Blacksburg Transit
Blacksburg Transit

Description:	Adjustment - Decrease FY17 funding by \$44K (decrease Flex STP \$36K, increase State \$9K, decrease local \$17K) in accordance with Draft FY17 SYIP.					
--------------	--	--	--	--	--	--

	Previous Funding	FY 2015	FY 2016	FY 2017	FY 2018	Total FY 2015-2018
--	------------------	---------	---------	---------	---------	--------------------

STIP ID:	BBT0026	Title: JARC	Recipient:	Blacksburg Transit
----------	----------------	-------------	------------	---------------------------

JARC		246	127			JARC	373	Blacksburg Transit
State						State	-	Blacksburg Transit
Local		246	127			Local	373	Blacksburg Transit
Revenues		28	28			Revenues	56	Blacksburg Transit
Year Total:	-	520	282	-	-	Total Funds:	802	Blacksburg Transit

Description:							
--------------	--	--	--	--	--	--	--

STIP ID:	BBT0027	Title: Expansion Bus Trolley	Recipient:	Blacksburg Transit
----------	----------------	------------------------------	------------	---------------------------

Flexible STP						Flexible STP	-	Blacksburg Transit
State						State	-	Blacksburg Transit
Local						Local	-	Blacksburg Transit
Year Total:	-	-	-	-	-	Total Funds:	-	Blacksburg Transit

Description:							
--------------	--	--	--	--	--	--	--

STIP ID:	BBT0028	Title: Radios	Recipient:	Blacksburg Transit
----------	----------------	---------------	------------	---------------------------

Flexible STP		18	11	1	2	Flexible STP	32	Blacksburg Transit
State		4	2		1	State	7	Blacksburg Transit
Local		1	1		1	Local	3	Blacksburg Transit
Year Total:	-	23	14	1	4	Total Funds:	42	Blacksburg Transit

Description:								
	Previous Funding	FY 2015	FY 2016	FY 2017	FY 2018	Total FY 2015-2018		
STIP ID:	BBT0029	Title: Shop Equipment		Recipient: Blacksburg Transit				
Flexible STP		25	55	242	132	Flexible STP	454	Blacksburg Transit
State		5	11	48	17	State	81	Blacksburg Transit
Local		1	2	12	17	Local	32	Blacksburg Transit
Year Total:	-	31	68	302	166	Total Funds:	567	Blacksburg Transit
Description:	Adjustment - Increase FY17 funding by \$56K (increase Flex STP \$46K, increase State \$23K, decrease local \$13K) in accordance with Draft FY17 SYIP.							
STIP ID:	BBT0030	Title: Bike Racks, ITS or Misc. Equipment		Recipient: Blacksburg Transit				
Flexible STP		6				Flexible STP	6	Blacksburg Transit
State		1				State	1	Blacksburg Transit
Local		1				Local	1	Blacksburg Transit
Year Total:	-	8		-	-	Total Funds:	8	Blacksburg Transit
Description:								
STIP ID:	BBT0032	Title: Communication Systems Equipment		Recipient: Blacksburg Transit				
Flexible STP						Flexible STP		Blacksburg Transit
State						State		Blacksburg Transit
Local						Local		Blacksburg Transit
Year Total:	-	-	-	-	-	Total Funds:		Blacksburg Transit
Description:								
STIP ID:	BBT0033	Title: Purchase Route Signage		Recipient: Blacksburg Transit				
Flexible STP			1			Flexible STP	1	
State			0			State	0	

Local				0		Local	0
Year Total:	-	-		1	-	Total Funds:	1
Description:							
	Previous Funding	FY 2015	FY 2016	FY 2017	FY 2018	Total FY 2015-2018	
STIP ID: BBT0034		Title: ITS Assessment/Implementation Plan			Recipient: Blacksburg Transit		
Flexible STP				100			100
State				50			50
Local				50			50
Year Total:				200			200
Description							

STIP ID: CRAD001		Title: Operating Assistance			Recipient: City of Radford			
FTA 5307	647	465	549 465	428	465	FTA 5307	1,907	City of Radford
FTA 5311		36	0 36	0	36	FTA 5311	72	City of Radford
State	16 0	280	279 263	298	263	State	1,103	City of Radford
Local	51 7	502	532 519	704	519	Local	2,274	City of Radford

Revenues	3 0	35	31 35	34	35	Revenues	135	City of Radford
Year Total:	1,354	1,318	1,391 1,348	1,464	1,318	Total Funds:	5,491	City of Radford
Description:	Adjustment - Increase FY17 funding \$146K (decrease FTA 5307 \$37K, remove FTA 5311 \$36K, increase State \$35K, increase local \$185K, decrease revenues \$1K) in accordance with Draft FY17 SYIP.							
STIP ID:	CRAD002	Title: ADP Hardware and Software			Recipient: City of Radford			
ADTAP								City of Radford
Flexible STP	55	259				Flexible STP	259	
State	8	52				State	52	City of Radford
Local	6	13				Local	13	City of Radford
Year Total:	69	324	-	-	-	Total Funds:	324	City of Radford
Description:								
STIP ID:	CRAD003	Title: Purchase Radios			Recipient: City of Radford			
Flexible STP	12					Flexible STP	0	City of Radford
State	2					State	0	City of Radford
Local	1					Local	0	City of Radford
Year Total:	15	-	-	-	-	Total Funds:	0	City of Radford
Description:								
	Previous Funding	FY 2015	FY 2016	FY 2017	FY 2018	Total FY 2015-2018		
STIP ID:	CRAD004	Title: Replacement Rolling Stock			Recipient: City of Radford			
FTA 5311			0 342	0		FTA 5311	0	
Flexible STP		1,592		444		Flexible STP	2,036	City of Radford
State		318	0 39	89		State	407	City of Radford
Local		80	0 39	22		Local	102	City of Radford
Year Total:		1,990	0 390	555	-	Total Funds:	2,545	City of Radford

Description: Adjustment - Decrease FY17 funding \$295K (remove FTA 5311 \$680K, add Flex STP \$444K, increase State \$4K, decrease local \$63K) in accordance with Draft FY17 SYIP.

STIP ID: **CRAD005** Title: Purchase Support Vehicles Recipient: **City of Radford**

ADTAP				0	36	ADTAP	36
Flexible STP	40			26			26
State	6			5	5	State	10
Local	4			1	4	Local	5
Year Total:	50	-	-	32	45	Total Funds:	77

City of Radford
City of Radford
City of Radford
City of Radford

Description: Adjustment - Decrease FY17 funding \$138K (remove ADTAP \$136K, add Flex STP \$26K, decrease State \$12K, decrease local \$16K) in accordance with Draft FY17 SYIP.

STIP ID: **CRAD006** Title: Construction of Facilities Recipient: **City of Radford**

ADTAP			0 420		400	ADTAP	400
State			0 45		50	State	50
Local			0 45		50	Local	50
Year Total:	-	-	0 450	-	500	Total Funds:	500

City of Radford
City of Radford
City of Radford

Description:

	Previous Funding	FY 2015	FY 2016	FY 2017	FY 2018	Total FY 2015-2018
--	------------------	---------	---------	---------	---------	--------------------

STIP ID: **CRAD007** Title: Purchase Route Signage Recipient: **City of Radford**

ADTAP			0 8			ADTAP	0
State			0 4			State	0
Local			0 4			Local	0
Year Total:	-	-	0 40	-	-	Total Funds:	0

City of Radford
City of Radford
City of Radford

Description:

STIP ID: **CRAD008** Title: Purchase Shop Equipment Recipient: **City of Radford**

Flexible STP		42	36 83		120	ADTAP	198	
State		8	7 40		15	State	30	City of Radford
Local		2	2 40		15	Local	19	City of Radford
Year Total:	-	52	45 403	-	150	Total Funds:	247	City of Radford
Description:								

STIP ID: CRAD009		Title: Purchase Spare Parts			Recipient: City of Radford			
ADTAP			0 40			ADTAP	0	
Flexible STP				19			19	
State			0 5	4		State	4	City of Radford
Local			0 5	1		Local	1	City of Radford
Year Total:	-	-	0 50	24		Total Funds:	24	City of Radford
Description:	Adjustment - Add FY17 funding \$24K (add Flex STP \$19K, State \$4K, local \$1K) in accordance with Draft FY17 SYIP.							
	Previous Funding	FY 2015	FY 2016	FY 2017	FY 2018	Total FY 2015-2018		

STIP ID: CRAD010		Title: Purchase Expansion Vehicles			Recipient: City of Radford			
Flexible STP	147					Flexible STP		City of Radford
State	29					State		City of Radford
Local	7					Local		City of Radford
Year Total:	184	-		-		Total Funds:	0	City of Radford

STIP ID: CRAD011		Title: Purchase Surveillance/Security Equipment			Recipient: City of Radford			
Flexible STP				20		Flexible STP	20	City of Radford
State				4		State	4	City of Radford
Local				1		Local	1	City of Radford
Year Total:				25		Total Funds	25	City of Radford
Description:	Amendment - Add new project and funding for FY17 \$25K (add Flex STP \$20K, State \$4K, local \$1K) in accordance with Draft FY17 SYIP.							
	Previous Funding	FY 2015	FY 2016	FY 2017	FY 2018	Total FY 2015-2018		

STIP ID: NRVC001		Title: Paratransit Vehicles			Recipient: New River Valley Community Services		
-------------------------	--	-----------------------------	--	--	---	--	--

FTA 5310		156	104	104	120	FTA 5310	484	NRV CS
State						State	-	NRV CS
Local		39	26	26	30	Local	121	NRV CS
Year Total:	-	195	130	130	150	Total Funds:	605	NRV CS
Description:								

STIP ID: NRVC001		Title: Intercity Bus Capital Project			Recipient: New River Valley MPO			
ADTAP		1,875				ADTAP	1,875	NRV MPO
State		375				State	375	NRV MPO
Local		94				Local	94	NRV MPO
Year Total:	-	2,344	-	-	-	Total Funds:	2,344	NRV MPO
Description:								

Program Narrative

Virginia Tech/Montgomery Executive Airport

The Virginia Tech/Montgomery Executive Airport (the Airport) is expected to receive a Finding of No Significant Impact-Record of Decision (FONSI – ROD) on its Environmental Assessment during the first week of May 2014. This FONSI will set the development scenarios for the Airport’s Capital Improvement Plan for the following development period.

Current year 2014

Runway Extension Design: This project is 35% complete. The Airport will go under grant with the FAA and DOAV later in 2014 for 100% design. Total project cost is \$722,201. The FAA will fund 90% of this grant while the VDOA will fund 8%. The Airport will be responsible for 2% of the total cost.

The Airport also will have a project with VDOA for Corporate and T-hanger Site Preparation Design. This project is expected to cost \$190,000 with VDOA paying 80% and the Airport paying 20%.

SUBSEQUENT YEARS DEVELOPMENT

Department of Aviation Commonwealth of Virginia

Project List Report

Years: 2015, 2016, 2017, 2018, 2019, and 2020

Project Categories: All

Project Types: CAF

Project Statuses: CP

	FAA	State	Local	VDOT	Total
Virginia Tech-Montgomery Executive Airport					
2015					
Corporate Hanger # 2 Site Preparation (Construction)	\$0.00	\$610,456.00	\$235,165.00	\$0	\$845,621.00
Research Center Drive & Huckleberry Trail Relocation	\$2,941,812.00	\$261,494.40	\$65,373.60	\$0	\$3,268,680.00
Runway Extension Phase 1 (Construction)	\$2,058,120.00	\$182,944.00	\$45,736.00	\$0	\$2,286,800.00
T-Hanger Site Preparation (Construction)	\$0.00	\$629,611.00	\$203,448.00	\$0	\$833,059.00
	\$4,999,932.00	\$1,684,505.40	\$549,722.60	\$0	\$7,234,160.00
2015 Sub Total					
2016					
Fuel Farm Relocation (Design)	\$0.00	\$60,000.00	\$15,000.00	\$0	\$75,000.00
Runway Extension Phase 2 (Construction)	\$4,999,999.50	\$444,444.40	\$111,111.10	\$0	\$5,555,555.00
	\$4,999,999.50	\$504,444.40	\$126,111.10	\$0	\$5,630,555.00
2016 Sub Total					
2017					
Fuel Farm Relocation (Construction)	\$0.00	\$180,000.00	\$45,000.00	\$0	\$225,000.00
Runway Extension Phase 3 (Construction)	\$4,999,999.50	\$444,444.40	\$111,111.10	\$0	\$5,555,555.00
	\$4,999,999.50	\$624,444.40	\$156,111.10	\$0	\$5,780,555.00
2017 Subtotal					

2018					
Land Acquisition Phase 1	\$2,458,565.10	\$218,539.12	\$54,634.76	\$0	\$2,731,738.98
Runway Extension Phase 4 (Construction)	\$2,541,434.40	\$225,905,.28	\$5,476.32	\$0	\$2,823,816.00
2018 Subtotal	\$4,999,999.50	\$444,444.40	\$111,111.08	\$0	\$5,555,554.98
2019					
Land Acquisition Phase 2	\$4,999,999.50	\$444,444.40	\$111,111.10	\$0	\$5,555,555.00
2019 Subtotal	\$4,999,999.50	\$444,444.40	\$111,111.10	\$0	\$5,555,555.00
2020					
Land Acquisition Phase 3	\$1,001,436.00	\$89,016.00	\$22,254.00	\$0	\$1,112,706.00
2019 Subtotal	\$1,001,436.00	\$89,016.00	\$22,254.00	\$0	\$1,112,706.00
Virginia Tech-Montgomery Executive Airport Subtotal	\$26,001,366.00	\$3,791,299.00	\$1,076,420.98	\$0	\$30,869,085.98
Total	\$26,001,366.00	\$3,791,299.00	\$1,076,420.98	\$0	\$30,869,085.98

***New River Valley
Metropolitan Planning Organization***

May 17, 2017

Resolution Approving the FY18-21 TIP

On a motion by _____, seconded by _____ and carried unanimously,

WHEREAS, a draft of the Transportation Improvement Program has been prepared by the New River Valley Metropolitan Planning Organization of proposed transportation improvements for fiscal years 2018 thru 2021; and

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

WHEREAS, an approved Transportation Improvement Program is required to be submitted to the Virginia Department of Transportation for inclusion in the State Transportation Improvement Program; and

WHEREAS, the draft Transportation Improvement Program has been advertised for public comment and posted on the MPO website and no comments were received; and

WHEREAS, the draft FY2015-18 TIP has been sent to the MPO Interested Parties and Governmental Regulatory Agencies and no comments were received; and

WHEREAS, the Technical Advisory Committee has reviewed this document and has recommended that the New River Valley Metropolitan Planning Organization approve the Transportation Improvement Program for inclusion in the State Transportation Improvement Program.

THEREFORE, BE IT RESOLVED, that the New River Valley Metropolitan Planning Organization does hereby approve the FY2018-2021 Transportation Improvement Program.

Attest: _____

F. Craig Meadows Chairman

New River Valley
Metropolitan Planning Organization
755 Roanoke Street, Suite 2I
Christiansburg, VA 24073

METROPOLITAN TRANSPORTATION PLANNING PROCESS
SELF-CERTIFICATION STATEMENT

In accordance with 23 CFR 450.336, the Virginia Department of Transportation and the New River Valley Metropolitan Planning Organization for the Blacksburg urbanized area hereby certify that the transportation planning process is being conducted in accordance with all applicable requirements of:

- (1) 23 U.S.C. 134, 49 U.S.C. 5303, and 23 CFR part 450 Subpart C (Metropolitan Planning);
- (2) In nonattainment and maintenance areas, sections 174 and 176 (c) and (d) of the Clean Air Act, as amended (42 U.S.C. 7504, 7506 (c) and (d)) and 40 CFR part 93 (Conformity Determination);
- (3) Title VI of Civil Rights Act of 1964, as amended (42 U.S.C. 2000d-1), 49 CFR part 21;
- (4) 49 U.S.C. 5332 prohibiting discrimination on the basis of race, color, creed, national origin, sex, or age in employment or business opportunity;
- (5) Section 1101(b) of the FAST ACT (Pub. L. 114-357) and 49 CFR part 26 regarding the involvement of disadvantaged business enterprises in USDOT funded projects (DBE Involvement);
- (6) 23 CFR part 230, regarding the implementation of an equal employment opportunity program on Federal and Federal-aid highway construction contracts;
- (7) The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) and 49 CFR parts 27, 37, and 38;
- (8) The Older Americans Act, as amended (42 U.S.C. 6101), prohibiting discrimination on the basis of age in programs or activities receiving Federal financial assistance;
- (9) Section 324 of Title 23, U.S.C., regarding the prohibition of discrimination based on gender; and
- (10) Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. 794) and 49 CFR part 27 regarding discrimination against individuals with disabilities

New River Valley MPO

Virginia Department of Transportation

Signature

Signature

Title

Title

Date

Date

**Transportation Improvement Program
(TIP)
for the
New River Valley Metropolitan Planning
Organization**

Fiscal Years 2018 – 2021

DRAFT

Table of Contents

- I. Introduction Pages 3-9

- II. Highway Projects Pages 10-17

- III. Transit Projects Pages 18-27

- IV. Airport Projects Pages 27-30

Introduction

Purpose and Development

The Transportation Improvement Program (TIP) for the Blacksburg Urbanized Area is a comprehensive listing of transportation activities to be undertaken during the three-year interval for which it is developed. The basic purpose of the TIP is to recommend transportation projects for federal funding while combining the efforts of local jurisdictions into a regionally coordinated plan of improvements. The TIP is developed in accordance with provisions in federal legislation; Fixing America's Surface Transportation (FAST) Act. Information on the FAST Act can be found on the MPO website or at the following link: www.fhwa.dot.gov/fastact/.

Projects are proposed for the TIP by local officials, transit operating officials, the Virginia Department of Transportation and any other agencies or officials responsible for transportation projects within the region. These officials, through the New River Valley Metropolitan Planning Organization (MPO), select and schedule projects that they support for endorsement in the TIP. The Transportation Improvement Program is endorsed annually by the MPO and may be modified by amendments at any time. MPO membership currently includes officials from Montgomery and Pulaski Counties, the Towns of Blacksburg and Christiansburg, The City of Radford, Virginia Tech, Radford University, New River Community College, the New River Planning District Commission, Blacksburg Transit, Radford Transit, Pulaski Transit, the Virginia Tech/Montgomery Regional Airport Authority, the Virginia Department of Transportation, the Virginia Department of Rail and Public Transportation, the Federal Highway Administration, and the Federal Transit Administration.

The Comprehensive, Continuing, Cooperative (3-C) process of the MPO, provides a natural mechanism by which the plan can be carefully reviewed and updated annually. Annual development of this program helps to clarify future needs, allow revisions to accommodate changing conditions, and allows developing local and regional plans to be continually incorporated. The Technical Advisory Committee to the MPO made up of representatives from local, state, and federal agencies, provides the professional expertise necessary to derive a plan, and ensure that all local and regional interests are considered. Once the program is developed, the MPO reviews and approves the program according to policies adopted by the local governments.

With few exceptions, any proposed transportation project should be included in the TIP to be considered eligible for federal funding. All phases of a project including preliminary engineering, right-of-way acquisitions, or construction should be documented in the TIP.

Understanding the TIP

The arrangement of the Transportation Improvement Program identifies those capital projects anticipated during fiscal years 2018-19, through 2021-22. The project tables generally include a brief description of each project and the projected funding required to complete the project. This document provides detailed project tables for highway improvements including Interstate, Primary, Urban and Secondary system projects; safety improvements, Transportation Alternative projects, public transportation improvements, and airport improvements.

Financial Plan

The New River Valley MPO Transportation Improvement Program (TIP) provides a summary of how transportation revenues in the program will be invested over a four year period by the state and local agencies that have legal responsibility to build, operate, and maintain the state's highway, road, street, airport, and public transit systems. Federally-funded expenditures are required by federal law to be consistent with the FY2040 Long Range Plan adopted in November 2015 and to be constrained to include only projects that we anticipate having enough revenue to complete. A portion of this money is used to maintain and operate the transportation systems. The remainder is for capital projects.

The project tables have been derived from information provided to the MPO staff by the state and local agencies responsible for funding participation. These tables represent the best estimate of project descriptions and costs that can be made in advance of final negotiation. The principal references for the compilation of the roadway improvements section was the Virginia Commonwealth Transportation Board's current Transportation Development Plan, and the reader is directed to this publication for further discussion of the majority of roadway projects included in this report, as well as the Six Year Secondary Road Improvement Program for Montgomery County.

Federal regulations require the TIP to be financially constrained by fiscal year. The STIP must demonstrate that there is enough money available each year to fund projects listed in the TIP for the year. The purpose of the included tables is to demonstrate financial constraint (for Highway Projects, see pp. 9-15; for Transit/Public Transportation Projects, see pp. 16-21; for Airport/Aviation Projects, see pp. 22-23). The tables compare estimated revenues and expenditures by funding source and indicate how much revenue is estimated will be available each year from federal, state and local sources.

Definitions and Abbreviations

- *AC - Advance Construction*
- *ADA - Americans with Disabilities Act*
- *Allocation - An administrative distribution of funds set apart or designated for a special purpose.*
- *Apportionment - A law that refers to a statutorily prescribed division or assignment of funds. An apportionment is based on prescribed formulas in the law and consists of dividing authorized obligation authority for a specific program.*
- *BH – Bridge Rehabilitation Funds*
- *BR – Bridge Replacement Funds*
- *BROS – Bridge (off-system, not on the federal-aid system)*
- *DEMO – Demonstration*
- *Earmarked – To reserve or set aside for a specific purpose*

- *EB – Equity Bonus*
- *EN – Enhancement Funds*
- *IM – Interstate Maintenance Funds*
- *M – Urbanized Funds*
- *MG – Minimum Guarantee*
- *NHS – National Highway System Funds*
- *PAPI – Precision Approach Path Indicator*
- *PPMS – Project Planning Management System (VDOT Tracking System Number)*
- *RPZ – Runway Protection Zone RRP – Rail Highway Protective Devices Funds*
- *RRP – Rail Highway Protective Devices Funds*
- *RRS – Rail Highway Grade Separation Funds*
- *S – State Funds*
- *STP – Surface Transportation Program Funds*
- *UST – Underground Storage Tank*
- *[] – Signifies a Very Preliminary Estimate of Cost*

MASS TRANSPORTATION PROGRAM

Federal Mass Transportation Funding

Federal grants for public transportation programs are authorized by the Federal Transit Act Amendments of 1991. Brief descriptions of funding categories for capital and operating expenses are given below.

Section 5309 (Formerly Section 3) – These funds are used primarily for large scale capital investment projects such as the construction/implementation of new mass transit systems. Other qualifying projects include extension of existing fixed guide way facilities, new bus or other rolling stock purchases, improvements for rail or bus systems, purchase of right of way and construction of intermodal transfer centers. Section 5309 funds are available to local transit programs on a formula and discretionary basis with 40% of the funds allocated to new rail starts, 40% for rail modernization, and 20% for purchase, replacement, and rehabilitation of buses and related equipment.

Section 5309 projects receive 80% federal funding. Project priority is determined by the state outside of Transportation Management Areas (TMAs – those urbanized areas having a population greater than 200,000). The Metropolitan Planning Organization (MPO) has responsibility for setting project priorities within TMAs.

Section 5307 (formerly Section 9) - These funds may be used for capital and operating expenses. Section 5307 funds are allocated by formula to states for distribution to urbanized areas with a population greater than 50,000. Distribution of these funds to urbanized areas with less than 200,000 is at the state's discretion. States may transfer a limited portion of these funds to Section 5311 (rural transit programming) if approved by an urbanized area declining funds. Operating subsidies may be used for highway projects under certain circumstances.

The Federal Transit Administration will fund 90% of the costs of capital projects to improve bicycle access to mass transit or meet the requirements of the Clean Air Act or Americans with Disabilities Act. Otherwise the federal share of capital costs is 80%. Section 5307 funds can only provide 50% of total operating cost.

MPOs have responsibility for setting project priority within urbanized areas with a population over 200,000. The state has responsibility otherwise.

Section 5310 (Formerly section 16) – These funds are available to qualifying private nonprofit and public agencies to purchase vehicles and equipment necessary to provide special transportation services for elderly and disabled clients. Funds may not be used for operating expenses.

Such acquisitions may receive up to 80% federal funding of the total cost of equipment. Project priority is the responsibility of the state for urbanized areas with a population under 200,000.

Section 5311 (formerly Section 18) – These formula grants are awarded to states for distribution to rural or small urban areas (i.e. areas under 50,000 population) for general public transit projects. Funds may be used for capital or operating expenses.

Up to 80% of capital improvements and up to 50% for operating expenses may be federally funded. Project priority is determined by the state.

The Federal Transit Administration has several other funding programs that are for planning purposes and are generally not referred to in the Transportation Planning and Research Program. One other program is available to encourage development of new privately operated transit services, which is the Entrepreneurial Services Challenge Program.

Mass Transportation Project Justification Narratives

In accordance with FTA reporting procedures discussions of the justification for individual projects applied for under Section 5309 and 5307 of the Urban Mass Transportation Act must be included in the TIP. Section 5310 projects, which are reported through the Virginia Department of Rail and Public Transportation Division, remain unaffected by this requirement.

Operating Assistance (Blacksburg Transit)

Blacksburg Transit, a department of the Town of Blacksburg, Virginia, is a designated recipient of state and federal aid programs for public transit service. BT provides transit service to roughly 65,000 residents of the MPO area. Transit service is provided within the Town of Blacksburg, with a route that runs through Montgomery County to the Town of Christiansburg. Since a majority of Blacksburg Transit ridership is associated with the local university, Virginia Tech, service schedules coincide with the class schedules at the university.

During full service the hours of operation for routes within the Town of Blacksburg town limits are:

Monday – Thursday 7:00 am to 12:45 am

Friday 7:00 am to 2:45 am

Saturday 9:30 am 2:45 am

Sunday 11:30 am to 11:30 pm

During reduced service* the hours of operation are:

Monday – Friday 7:00 am to 10:30 pm

Saturday 9:30 am 9:15 pm

Sunday 11:30 am to 7:15 pm

*note “reduced service” is during the summer and winter breaks. There is no Sunday service in the summer.

Blacksburg Transit’s complementary paratransit service is known as BT ACCESS. BT ACCESS’ door-through-door service for disabled persons in the community is widely recognized as one of the best in the state.

For routes in Blacksburg, Blacksburg Transit maintains an active fleet of 46 full-sized transit buses and 11 Body-On-Chassis (BOC) vehicles. Blacksburg Transit’s fleet is 100 percent accessible. Morning pullout during full service is 34 transit buses and 8 BOC vans. BT provided 3,513,538 passenger trips during fiscal year 2016.

Service for the Town of Christiansburg

Service in the Town of Christiansburg covers all areas within the Town limits. The current routes now include the Go Anywhere! (demand-response), Explorer (deviated fixed route), and Commuter Service routes.

For year round service within Christiansburg, the hours of operation are:

Monday – Thursday 7:00 am to 6:00 pm

Friday 7:00 am to 10:00 pm

Saturday 8:00 am to 11:00 pm

There is no Sunday service.

For the Town of Christiansburg, BT maintains an active fleet of 2 buses and 4 Body on Chassis (BOC) vehicles and all vehicles are accessible.

Blacksburg Transit, in cooperation with Virginia Tech, plans to construct a multi-modal transfer facility (MMTF) to serve the existing and future riders in Blacksburg and the surrounding region. It is envisioned that this facility will be a hub for local and regional transit, creating a centralized transportation center that will promote alternative modes and facilitate non-automobile traffic. The facility will allow future expansion of service to be better served by an expanded and comprehensive transit operation.

The NRV MPO policy board has authorized the Town Manager of the Town of Blacksburg on behalf of the NRV MPO to seek federal and state funding to support transit services. The projected program budget for fiscal year 2016 is for expenditures to be incurred for the provision of a standard level of transit service system-wide and represents no major changes in eligible expense categories from the previous grant year.

Operating Assistance (Radford Transit)

Radford Transit is a service provided by the City of Radford. Service is contracted through New River Valley Community Services and is a partnership between the City of Radford and Radford University. RT provides service to citizens and students in the City of Radford, Radford University, Fairlawn in Pulaski County, with connecting service to Christiansburg, Blacksburg and the I-81 Park & Ride lot located at exit 118 of Interstate 81. Service is provided year-round with reduced service provided during times when Radford University is not in session.

At times when full service levels are provided typical hours of operation are as follows:

Monday - Wednesday: 7am - 10pm

Thursday - Friday: 7am - 2:40am

Saturday: 10am - 2:40am

Sunday: 6pm - 12am

Reduced service hours (when Radford University is not in session) are as follows:

Monday - Friday: 7am - 7:40pm

Saturday: 10am - 7:40pm

All Radford Transit service is "deviated fixed-route" which enables any person requesting a deviation to do so with 24 hour notice. Buses may deviate from fixed routes up to ¾ mile from the nearest bus stop.

Radford Transit's fleet consists of twelve (12) body-on-chassis (Cutaway) style buses, two (2) 29-passenger medium duty body-on-chassis (Cutaway) style buses, and six (6) low floor heavy duty transit buses.

In fiscal year 2016 RT provided about 339,000 passenger trips, a slight drop from the previous year. RT employs approximately 60 full and part-time employees and is a functioning department of New River Valley Community Services within the agency's transit services department. NRVCS also provides Community Transit (CT) service throughout the New River Valley. This service targets human service transportation and provides some service for Radford Transit in the connection with the New River Valley Medical Center.

**FEDERAL FUNDING CATEGORIES
FISCAL CONSTRAINT BY YEAR**

Highway Projects
FFY 2018 - 2021

Fund Source	FFY 2018		FFY 2019		FFY 2020		FFY 2021		TOTAL	
	Projected Obligation Authority	Planned Obligation								
Federal										
NHFP	\$229,641	\$229,641	\$229,641	\$229,641	\$7,431,539	\$7,431,539	\$0	\$0	\$7,890,821	\$7,890,821
NHS/NHPP	\$509,852	\$509,852	\$0	\$0	\$3,040,611	\$3,040,611	\$13,293,952	\$13,293,952	\$16,844,415	\$16,844,415
STP/STBG	\$524,996	\$524,996	\$1,381,933	\$1,381,933	\$0	\$0	\$0	\$0	\$1,906,929	\$1,906,929
TAP	\$611,604	\$611,604	\$0	\$0	\$0	\$0	\$0	\$0	\$611,604	\$611,604
Subtotal -- Federal	\$1,876,093	\$1,876,093	\$1,611,574	\$1,611,574	\$10,472,150	\$10,472,150	\$13,293,952	\$13,293,952	\$27,253,769	\$27,253,769
Other										
State Match	\$469,024	\$469,024	\$402,894	\$402,894	\$2,618,035	\$2,618,035	\$3,323,487	\$3,323,487	\$6,813,440	\$6,813,440
Subtotal -- Other	\$469,024	\$469,024	\$402,894	\$402,894	\$2,618,035	\$2,618,035	\$3,323,487	\$3,323,487	\$6,813,440	\$6,813,440
Total	\$2,345,117	\$2,345,117	\$2,014,468	\$2,014,468	\$13,090,185	\$13,090,185	\$16,617,439	\$16,617,439	\$34,067,209	\$34,067,209

Federal - ACC (1)										
NHS/NHPP	\$0	\$0	\$0	\$0	\$0	\$0	\$6,199,168	\$6,199,168	\$6,199,168	\$6,199,168
Subtotal -- Federal - ACC (1)	\$0	\$0	\$0	\$0	\$0	\$0	\$6,199,168	\$6,199,168	\$6,199,168	\$6,199,168

Statewide - Federal (4)										
NHFP	\$2,000,000	\$2,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$2,000,000	\$2,000,000
Subtotal -- Statewide - Federal (4)	\$2,000,000	\$2,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$2,000,000	\$2,000,000

Maintenance - Federal (5)										
BR/BROS	\$1,753,772	\$1,753,772	\$1,542,166	\$1,542,166	\$1,953,236	\$1,953,236	\$1,961,089	\$1,961,089	\$7,210,263	\$7,210,263
STP/STBG	\$16,242,411	\$16,242,411	\$14,282,643	\$14,282,643	\$18,089,729	\$18,089,729	\$18,162,463	\$18,162,463	\$66,777,246	\$66,777,246
Subtotal -- Maintenance - Federal (5)	\$17,996,183	\$17,996,183	\$15,824,809	\$15,824,809	\$20,042,965	\$20,042,965	\$20,123,552	\$20,123,552	\$73,987,509	\$73,987,509

- (1) ACC -- Advance Construction -- Funding Included in Federal Category based on year of AC Conversion.
- (2) CMAQ/RSTP includes funds for TRANSIT projects.
- (3) Multiple MPO Category - Funding to be obligated in Multiple MPO Regions.
- (4) Statewide Category - Funding to be obligated Statewide for projects as identified.
- (5) Maintenance Projects - Funding to be obligated for maintenance projects as identified

New River Valley MPO

Primary Projects

UPC NO	99425		SCOPE	Reconstruction w/ Added Capacity			
SYSTEM	Primary	JURISDICTION	Blacksburg		OVERSIGHT	NFO	
PROJECT	RTE 460 - Southgate Dr. Interchange & Connector				ADMIN BY	VDOT	
DESCRIPTION	FROM: 0.156 Mi. W. Int. Southgate Dr. TO: 0.799 Mi. E. Int. Southgate Dr. (0.9556 MI)						
ROUTE/STREET	RTE. 460 BYPASS (0460)				TOTAL COST	\$51,801,923	
	FUND SOURCE	MATCH	FY18	FY19	FY20	FY21	
PE	Federal - STP/SU	\$0	(\$118)		\$0	\$0	\$0
RW AC	Federal - AC	\$0	(\$1,538,344)		\$0	\$0	\$0
CN	Federal - STP/STBG	\$0	\$118		\$0	\$0	\$0

UPC NO	17345		SCOPE	New Construction Roadway			
SYSTEM	Primary	JURISDICTION	Montgomery County		OVERSIGHT	NFO	
PROJECT	"SMART HIGHWAY" - 2 LANES ON 4 LANE RW - PE & RW ONLY				ADMIN BY	VDOT	
DESCRIPTION	FROM: 0.671 KILOMETER EAST ROUTE 723 TO: ROUTE I-81 (6.4000 KM)						
ROUTE/STREET	SMRT				TOTAL COST	\$122,370,705	
	FUND SOURCE	MATCH	FY18	FY19	FY20	FY21	
PE	Federal - STP/STBG	\$88,639	\$354,554		\$0	\$0	\$0
PE AC	Federal - AC	\$955,273	\$3,821,090		\$0	\$0	\$0
RW AC	Federal - AC	\$29,974	\$119,894		\$0	\$0	\$0

New River Valley MPO Secondary Projects

UPC NO	107567	SCOPE	Reconstruction w/o Added Capacity			
SYSTEM	Secondary	JURISDICTION	Montgomery County	OVERSIGHT	NFO	
PROJECT	Reconstruct and Surface Treat non-hard surface road.			ADMIN BY	VDOT	
DESCRIPTION	FROM: 1.28Mi N of Bridge over RTE 460 TO: 0.20 Mi. S of RTE 642 (-)					
ROUTE/STREET	YELLOW SULPHUR RD (0643)			TOTAL COST	\$3,530,000	
	FUND SOURCE	MATCH	FY18	FY19	FY20	FY21
PE AC	Federal - AC	\$0	\$410,000	\$0	\$0	\$0
RW AC	Federal - AC	\$0	\$70,000	\$0	\$0	\$0
CN AC	Federal - AC	\$0	\$0	\$0	\$3,050,000	\$0

New River Valley MPO Project Groupings

GROUPING		Construction : Bridge Rehabilitation/Replacement/Reconstruction				
ROUTE/STREET					TOTAL COST	\$53,391,179
	FUND SOURCE	MATCH	FY18	FY19	FY20	FY21
RW	Federal - NHFP	\$114,821	\$229,641	\$229,641	\$0	\$0
CN	Federal - AC CONVERSION	\$1,549,792	\$0	\$0	\$0	\$6,199,168
	Federal - NHFP	\$1,857,885	\$0	\$0	\$7,431,539	\$0
	Federal - NHS/NHPP	\$3,381,963	\$0	\$0	\$3,015,611	\$10,512,240
CN TOTAL		\$6,789,640	\$0	\$0	\$10,447,150	\$16,711,408
CN AC	Federal - AC	\$2,655,065	\$0	\$0	\$17,557,234	\$0

GROUPING		Construction : Rail				
ROUTE/STREET					TOTAL COST	\$570,234
	FUND SOURCE	MATCH	FY18	FY19	FY20	FY21
		\$0	\$0	\$0	\$0	\$0

GROUPING		Construction : Safety/ITS/Operational Improvements				
ROUTE/STREET					TOTAL COST	\$48,344,421
	FUND SOURCE	MATCH	FY18	FY19	FY20	FY21
PE	Federal - NHS/NHPP	\$127,463	\$509,852	\$0	\$0	\$0
RW	Federal - NHS/NHPP	\$6,250	\$0	\$0	\$25,000	\$0
	Federal - STP/STBG	\$1,875	\$7,500	\$0	\$0	\$0
RW TOTAL		\$8,125	\$7,500	\$0	\$25,000	\$0
CN	Federal - NHS/NHPP	\$695,428	\$0	\$0	\$0	\$2,781,712
	Federal - STP/STBG	\$386,219	\$162,942	\$1,381,933	\$0	\$0
CN TOTAL		\$1,081,647	\$162,942	\$1,381,933	\$0	\$2,781,712
CN AC	Federal - AC	\$17,061	\$0	\$153,548	\$0	\$1

GROUPING		Construction : Transportation Enhancement/Byway/Non-Traditional				
ROUTE/STREET					TOTAL COST	\$10,817,220
	FUND SOURCE	MATCH	FY18	FY19	FY20	FY21
CN	Federal - TAP/F	\$152,901	\$611,604	\$0	\$0	\$0
CN AC	Federal - AC	\$38,225	\$152,901	\$0	\$0	\$0

GROUPING		Maintenance : Preventive Maintenance and System Preservation				
PROGRAM NOTE		Funding identified to be obligated districtwide as projects are identified.				
ROUTE/STREET					TOTAL COST	
	FUND SOURCE	MATCH	FY18	FY19	FY20	FY21
CN	Federal - STP/STBG	\$0	\$7,830,599	\$6,885,779	\$8,721,206	\$8,756,272

GROUPING		Maintenance : Preventive Maintenance for Bridges				
PROGRAM NOTE		Funding identified to be obligated districtwide as projects are identified.				
ROUTE/STREET					TOTAL COST	
	FUND SOURCE	MATCH	FY18	FY19	FY20	FY21
CN	Federal - BR	\$0	\$1,753,772	\$1,542,166	\$1,953,236	\$1,961,089
	Federal - STP/STBG	\$0	\$5,452,802	\$4,794,881	\$6,072,972	\$6,097,390
CN TOTAL		\$0	\$7,206,574	\$6,337,047	\$8,026,208	\$8,058,479

GROUPING		Maintenance : Traffic and Safety Operations				
PROGRAM NOTE		Funding identified to be obligated districtwide as projects are identified.				
ROUTE/STREET					TOTAL COST	
	FUND SOURCE	MATCH	FY18	FY19	FY20	FY21
CN	Federal - STP/STBG	\$0	\$2,959,010	\$2,601,983	\$3,295,551	\$3,308,801

Appendix A

Projects by Grouping

New River Valley MPO

Construction: Bridge Rehabilitation/Replacement/Reconstruction

	System	UPC	Jurisdiction / Name / Description	Street(Route)	Estimate
Interstate	93074	Christiansburg	0081		\$24,343,147
			#SGR RTE. 81 - APPROACHES AND BRIDGES OVER ROUTE 8 FROM: Christiansburg SCL TO: 0.510 Mile North of Christiansburg SCL (0.5100 MI)		
Interstate	93075	Montgomery County	0081		\$10,564,435
			#SGR RTE. 81 - Mont. Co. Approaches to I-81 bridges over Rou FROM: 0.381 Mile South of Christiansburg SCL TO: Christiansburg SCL (0.3810 MI)		
Miscellaneous	T19049	Salem District-wide	0000		\$0
			BRIDGE REHABILITATION/REPLACEMENT		
Primary	50030	Montgomery County	0114		\$15,160,707
			RTE 114 - WBL BRIDGE REPLACEMENT OVER THE NEW RIVER FROM: 0.21 MILE EAST MONTGOMERY-PULASKI CO LINE TO: MONTGOMERY-PULASKI CO LINE		
Secondary	90087	Montgomery County		CANNERY ROAD (0773)	\$3,322,890
			RTE. 773 OVER ROANOKE RIVER (STR. 12339) - BRDGR REPLACEMENT FROM: Intersection Rte. 626 TO: 0.089 miles north intersection Rte. 626 (0.0890 MI)		
Construction : Bridge Rehabilitation/Replacement/Reconstruction Total					\$53,391,179

Construction : Rail

	System	UPC	Jurisdiction / Name/ Description	Street(Route)	Estimate
Miscellaneous	T19041	Salem District-wide	0000		\$0
			CN: RAIL		
Urban	105608	Christiansburg		CHRISMAN MILL RD (0000)	\$570,234
			Chrisman Mill Rd -Realign N Side of Road at Crossing FROM: 1.18 Mi. E of Rt. 114 TO: at NSRR Crossing #469436A		
Construction: Rail Total					\$570,234

Construction: Safety/ITS/Operational Improvements

	System	UPC	Jurisdiction / Name/ Description	Street (Route)	Estimate
Interstate	107802	Statewide	9999		\$500,000
			Incident Management Emergency Evacuation and Detour Plans FROM: Various TO: Various		
Miscellaneous	T19045	Salem District-wide	0000		\$0
			CN: SAFETY/ITS/OPERATIONAL/IMPROVEMENTS		
Miscellaneous	81419	Salem District-wide	0000		\$1,544,827
			DISTRICTWIDE ROADWAY SAFETY ASSESSMENT - SALEM FY07 HSIP PROJECT		
Miscellaneous	93174	Statewide	0000		\$1,104,740
			Safety Analyst Project FROM: various TO: various		

New River Valley MPO

Construction : Safety/ITS/Operational Improvements

	System	UPC	Jurisdiction / Name / Description	Street(Route)	Estimate
Miscellaneous	105481	Statewide	0000		\$1,400,000
			Implement iPeMS (Iteris Performance Measurement System) FROM: various TO: various		
Miscellaneous	86665	Salem District-wide	9999		\$0
			RTE. 000 - HSIP District-wide High Risk Rural Roads Salem Salem District High Risk Rural Roads Safety Improvements		
Primary	105303	Montgomery County	PEPPERS FERRY RD (0000)		\$235,000
			MONTGOMERY COUNTY - SRTS - BELVIEW ES - HIGH VIS CROSSING FROM: JADE DR TO: PRICES FORK RD (0.1000 MI)		
Primary	108900	Blacksburg	PANDAPAS POND ROAD (0460)		\$3,316,565
			#HB2.FY17 N Main Intersection Improvements at Rte. 460 Bypass FROM: North of Coal Bank Hollow Rd TO: South of Farmingdale Ln (0.6000 MI)		
Primary	108909	Christiansburg	US 460 (0460)		\$2,124,395
			#HB2.FY17 Route 460 at Franklin Street EB Ramp Construction FROM: Franklin Street TO: US 460 Ramp		
Secondary	106701	Salem District-wide	9999		\$1,785,481
			HRRR - Safety Improvements FROM: Various TO: Various		
Urban	100839	Blacksburg	RESEARCH CENTER DRIVE (0460)		\$3,194,844
			Int. Improvements at Route 460 Ramps and Research Center Dr. FROM: Int. of South Main Street TO: 0.29 mi. North of Int. South Main Street (0.2892 MI)		
Urban	104387	Christiansburg	N. FRANKLIN / CAMBRIA (0460)		\$8,489,534
			#HB2.FY17 Intersection Improv - N. Franklin St/Cambria St FROM: Cambria St. TO: Independence Blvd (0.6000 MI)		
Urban	8746	Christiansburg	PEPPERS FERRY RD (0114)		\$24,649,035
			RTE 114 - PEPPERS FERRY ROAD - WIDEN TO 4 LANES FROM: ROUTE 460 TO: 0.789 Km East of WCL (1.5309 KM)		
Construction: Safety/ITS/Operational Improvements Total					\$48,344,421

Construction: Transportation Enhancement/Byway/Non-Traditional

	System	UPC	Jurisdiction / Name / Description	Street (Route)	Estimate
Enhancement	103637	Christiansburg	EAST MAIN ST & FRANKLIN ST (0000)		\$1,808,017
			Christiansburg Downtown Streetscaping, Phase C503 (Ph1B) FROM: Roanoke Street TO: Franklin Street		
Enhancement	104770	Montgomery County	HUCKLEBERRY TRAIL (0000)		\$468,000
			Huckleberry Trail - Phase 2D FROM: Providence Boulevard TO: Food Lion Shopping Plaza (0.5400 MI)		
Enhancement	108360	Montgomery County	0000		\$839,505
			Huckleberry Trail - Phase 3 FROM: Future Peppers Ferry Rd Connector TO: Independence Blvd		
Enhancement	103920	Blacksburg	EN01		\$18,000
			Virginia Tech, Hokie Bikeways C505 fence Waiting Financial Closure		

New River Valley MPO**Construction : Transportation Enhancement/Byway/Non-Traditional**

	System	UPC	Jurisdiction / Name / Description	Street(Route)	Estimate
Enhancement	94264	Montgomery County	EN09 Huckleberry Trail Extension FROM: Route 114 - Peppers Ferry Road (at Wal-Mart parking lot) TO: Farm View Road Extension (at Home Depot parking lot)		\$318,826
Enhancement	103896	Montgomery County	HUCKLEBERRY TRAIL (EN09) Huckleberry Trail - Phase 2B FROM: Farm View Road Extension (at Home Depot parking lot) TO: Cambria St (1.0000 MI) Waiting Financial Closure		\$174,461
Miscellaneous	T19040	Salem District-wide	0000 CN: TRANSPORTATION ENHANCEMENT/BYWAY/OTHER NON-TRADITIONAL		\$0
Primary	105518	Christiansburg	FALLING BRANCH PARK AND RIDE (9999) Relocation of Falling Branch Park and Ride. FROM: Int. Route 460 Business and Hubbell Drive TO: 0.052 Mi. E. Alma Street Int. with Hubbell Drive (0.1000 MI)		\$5,214,882
Urban	56407	Christiansburg	EN00 TOWN OF CHRISTIANSBURG - STREETSCAPING AND PEDESTRIAN SAFETY MEASURES WITHING THE CENTRAL BUSINESS DISTRICT		\$1,975,529
Construction: Transportation Enhancement/Byway/Non-Traditional Total					\$10,817,220

Maintenance: Preventive Maintenance and System Preservation

	System	UPC	Jurisdiction / Name / Description	Street (Route)	Estimate
Miscellaneous	T14722	Salem District-wide	0000 STIP-MN Salem: Preventive MN and System Preservation		\$0
Maintenance: Preventive Maintenance and System Preservation Total					\$0

Maintenance: Preventive Maintenance for Bridges

	System	UPC	Jurisdiction / Name / Description	Street (Route)	Estimate
Miscellaneous	T14721	Salem District-wide	0000 STIP-MN Salem: Preventive MN for Bridges		\$0
Maintenance: Preventive Maintenance for Bridges Total					\$0

Maintenance: Traffic and Safety Operations

	System	UPC	Jurisdiction / Name / Description	Street (Route)	Estimate
Miscellaneous	T14720	Salem District-wide	0000 STIP-MN Salem: Traffic and Safety Operations		\$0
Maintenance: Traffic and Safety Operations Total					\$0

New River Valley MPO Total	\$113,123,054
-----------------------------------	----------------------

	Previous Funding	FY 2018	FY 2019	FY 2020	FY 2021	Total FY 2018-2021		
NEW RIVER VALLEY METROPOLITAN PLANNING ORGANIZATION								
STIP ID:	BBT0001	Title: Operating Assistance			Recipient: Blacksburg Transit			
FTA 5307	1,610	1,727	1,775	1,841	1,910	FTA 5307	7,253	Blacksburg Transit
State	1,815	1,865	1,844	1,913	1,985	State	7,607	Blacksburg Transit
Local	3,595	4,393	4,852	5,159	5,480	Local	19,884	Blacksburg Transit
Revenues	215	211	264	272	280	Revenues	1,027	Blacksburg Transit
Year Total:	7,235	8,196	8,735	9,185	9,655	Total Funds:	35,771	Blacksburg Transit
Description:								
STIP ID:	BBT0002	Title: Replacement Rolling Stock			Recipient: Blacksburg Transit			
Flexible STP		357	1,597	1,860	7,439	Flexible STP	11,253	Blacksburg Transit
State		45	200	233	930	State	1,408	Blacksburg Transit
Local		45	200	233	930	Local	1,408	Blacksburg Transit
Year Total:	-	447	1,997	2,326	9,299	Total Funds:	14,069	Blacksburg Transit
Description:								
STIP ID:	BBT0010	Title: Eng Design /Construction Multi-Modal Transfer Facility			Recipient: Blacksburg Transit			
Flexible STP	10,914					Flexible STP		Blacksburg Transit
State	6,627					State		Blacksburg Transit
Local	1,949					Local		Blacksburg Transit
Year Total:	19,490		-	-	-	Total Funds:		Blacksburg Transit
Description:								
STIP ID:	BBT0016	Title: Expansion Rolling Stock			Recipient: Blacksburg Transit			
Flexible STP		798	838	879	923	Flexible STP	3,438	Blacksburg Transit
State		100	105	110	115	State	430	Blacksburg Transit
Local		100	105	110	115	Local	430	Blacksburg Transit
Year Total:	-	998	1,048	1,099	1,153	Total Funds:	4,298	Blacksburg Transit
Description:								
STIP ID:	BBT0017	Title: Passenger Shelters			Recipient: Blacksburg Transit			
Flexible STP		48	45	46	33	Flexible STP	172	Blacksburg Transit
State		10	9	9	4	State	32	Blacksburg Transit
Local		2	2	2	4	Local	10	Blacksburg Transit
Year Total:	-	60	56	57	41	Total Funds:	214	Blacksburg Transit

	Previous Funding	FY 2018	FY 2019	FY 2020	FY 2021	Total FY 2018-2021		
NEW RIVER VALLEY METROPOLITAN PLANNING ORGANIZATION								
Description:								
STIP ID:	BBT0020	Title: ADP Hardware			Recipient: Blacksburg Transit			
Flexible STP		647	91	695	161	Flexible STP	1,594	Blacksburg Transit
State		81	11	87	20	State	199	Blacksburg Transit
Local		81	11	87	20	Local	199	Blacksburg Transit
Year Total:	-	809	113	869	201	Total Funds:	1,992	Blacksburg Transit
Description:								
STIP ID:	BBT0021	Title: ADP Software			Recipient: Blacksburg Transit			
Flexible STP		72	440			Flexible STP	512	Blacksburg Transit
State		9	55			State	64	Blacksburg Transit
Local		9	55			Local	64	Blacksburg Transit
Year Total:	-	90	550	-	-	Total Funds:	640	Blacksburg Transit
Description:								
STIP ID:	BBT0023	Title: Support Vehicles			Recipient: Blacksburg Transit			
Flexible STP			200	43	154	Flexible STP	397	Blacksburg Transit
State			25	5	19	State	49	Blacksburg Transit
Local			25	5	19	Local	49	Blacksburg Transit
Year Total:	-	-	250	53	192	Total Funds:	495	Blacksburg Transit
Description:								
STIP ID:	BBT0028	Title: Radios			Recipient: Blacksburg Transit			
Flexible STP		3	12	19	10	Flexible STP	44	Blacksburg Transit
State		1	2	2	1	State	6	Blacksburg Transit
Local		1	2	2	1	Local	6	Blacksburg Transit
Year Total:	-	5	16	23	12	Total Funds:	56	Blacksburg Transit
Description:								
STIP ID:	BBT0029	Title: Shop Equipment			Recipient: Blacksburg Transit			
Flexible STP		220	489	191	198	Flexible STP	1,098	Blacksburg Transit
State		27	61	24	24	State	136	Blacksburg Transit
Local		27	61	24	24	Local	136	Blacksburg Transit
Year Total:	-	274	611	239	246	Total Funds:	1,370	Blacksburg Transit
Description:								
STIP ID:	BBT0035	Title: Fleet Rebranding - Graphics			Recipient: Blacksburg Transit			
Flexible STP		504				Flexible STP	504	Blacksburg Transit
State		63				State	63	Blacksburg Transit
Local		63				Local	63	Blacksburg Transit
Year Total:	-	630	-	-	-	Total Funds:	630	Blacksburg Transit

	Previous Funding	FY 2018	FY 2019	FY 2020	FY 2021	Total FY 2018-2021		
NEW RIVER VALLEY METROPOLITAN PLANNING ORGANIZATION								
Description:								
STIP ID:	BBT0036	Title: NRV Bikeshare			Recipient: Blacksburg Transit			
Flexible STP		-				Flexible STP	-	Blacksburg Transit
State		200				State	200	Blacksburg Transit
Local		50				Local	50	Blacksburg Transit
Year Total:	-	250	-	-	-	Total Funds:	250	Blacksburg Transit

	Previous Funding	FY 2018	FY 2019	FY 2020	FY 2021	Total FY 2018-2021		
NEW RIVER VALLEY METROPOLITAN PLANNING ORGANIZATION								
Description:								
STIP ID:	CRAD001	Title: Operating Assistance			Recipient: City of Radford			
FTA 5307	428	458	428	428	428	FTA 5307	1,742	City of Radford
FTA 5311						FTA 5311	-	City of Radford
State	344	322	344	344	344	State	1,354	City of Radford
Local	658	658	658	658	658	Local	2,632	City of Radford
Revenues	34	34	34	34	34	Revenues	136	City of Radford
Year Total:	1,464	1,472	1,464	1,464	1,464	Total Funds:	5,864	City of Radford
Description:								
STIP ID:	CRAD004	Title: Replacement Rolling Stock			Recipient: City of Radford			
Flexible STP				520	312	Flexible STP	832	City of Radford
State				104	62	State	166	City of Radford
Local				26	16	Local	42	City of Radford
Year Total:	-	-	-	650	390	Total Funds:	1,040	City of Radford
Description:								
STIP ID:	CRAD005	Title: Purchase Support Vehicles			Recipient: City of Radford			
Flexible STP		36				Flexible STP	36	City of Radford
State		5				State	5	City of Radford
Local		4				Local	4	City of Radford
Year Total:	-	45	-	-	-	Total Funds:	45	City of Radford
Description:								
STIP ID:	CRAD006	Title: Construction of Facilities			Recipient: City of Radford			
Flexible STP			-		120	Flexible STP	120	City of Radford
State			-		24	State	24	City of Radford
Local			-		6	Local	6	City of Radford
Year Total:	-	-	-	-	150	Total Funds:	150	City of Radford
Description:								
STIP ID:	CRAD007	Title: Purchase Route Signage			Recipient: City of Radford			
Flexible STP			5			Flexible STP	5	City of Radford
State			1			State	1	City of Radford
Local			1			Local	1	City of Radford
Year Total:	-	-	7	-	-	Total Funds:	7	City of Radford

	Previous Funding	FY 2018	FY 2019	FY 2020	FY 2021	Total FY 2018-2021		
NEW RIVER VALLEY METROPOLITAN PLANNING ORGANIZATION								
Description:								
STIP ID:	CRAD008	Title: Purchase Shop Equipment			Recipient: City of Radford			
Flexible STP		120				Flexible STP	120	City of Radford
State		15				State	15	City of Radford
Local		15				Local	15	City of Radford
Year Total:	-	150	-	-	-	Total Funds:	150	City of Radford
Description:								
STIP ID:	CRAD010	Title: Purchase Expansion Vehicles			Recipient: City of Radford			
Flexible STP			420			Flexible STP	420	City of Radford
State			84			State	84	City of Radford
Local			21			Local	21	City of Radford
Year Total:	-	-	525	-	-	Total Funds:	525	City of Radford
Description:								
STIP ID:	CRAD011	Title: Purchase Bus Shelters			Recipient: City of Radford			
Flexible STP			160			Flexible STP	160	City of Radford
State			32			State	32	City of Radford
Local			8			Local	8	City of Radford
Year Total:	-	-	200	-	-	Total Funds:	200	City of Radford

	Previous Funding	FY 2018	FY 2019	FY 2020	FY 2021	Total FY 2018-2021		
NEW RIVER VALLEY METROPOLITAN PLANNING ORGANIZATION								
Description:								
STIP ID:	NRVC001	Title: Paratransit Vehicles			Recipient: New River Valley Community Services			
FTA 5310		116	128	128	160	FTA 5310	532	New River Valley CC
State		-	-	-	-	State	-	New River Valley CC
Local		29	32	32	40	Local	133	New River Valley CC
Year Total:	-	145	160	160	200	Total Funds:	665	New River Valley CC

	Previous Funding	FY 2018	FY 2019	FY 2020	FY 2021	Total FY 2018-2021	
NEW RIVER VALLEY METROPOLITAN PLANNING ORGANIZATION							
Description:							
Blacksburg Transit	Previous Funding	FY 2018	FY 2019	FY 2020	FY 2021	Total FY 2018-2021	
FTA 5307	1,610	1,710	1,775	1,841	1,910	FTA 5307	7,253
FTA 5309	-	-	-	-	-	FTA 5309	-
FTA 5310	-	-	-	-	-	FTA 5310	-
FTA 5311	-	-	-	-	-	FTA 5311	-
FTA 5314	-	-	-	-	-	FTA 5314	-
FTA 5337	-	-	-	-	-	FTA 5337	-
FTA 5339	-	-	-	-	-	FTA 5339	-
FTA ADTAP	-	-	-	-	-	FTA ADTAP	-
FTA DPF	-	-	-	-	-	FTA DPF	-
FTA TIGER	-	-	-	-	-	FTA TIGER	-
FBD	-	-	-	-	-	FBD	-
Flexible STP	10,914	2,649	3,712	3,733	8,918	Flexible STP	19,012
CMAQ	-	-	-	-	-	CMAQ	-
RSTP	-	-	-	-	-	RSTP	-
FHWA TAP	-	-	-	-	-	FHWA TAP	-
TIFIA	-	-	-	-	-	TIFIA	-
Other Federal	-	-	-	-	-	Other Federal	-
State	8,442	2,361	2,312	2,383	3,098	State	10,154
Local	5,544	4,761	5,313	5,622	6,593	Local	22,289
Revenues	215	211	264	272	280	Revenues	1,027
Totals	26,725	11,709	13,376	13,851	20,799		59,735

	Previous Funding	FY 2018	FY 2019	FY 2020	FY 2021	Total FY 2018-2021	
NEW RIVER VALLEY METROPOLITAN PLANNING ORGANIZATION							
Description:							
City of Radford	Previous Funding	FY 2018	FY 2019	FY 2020	FY 2021	Total FY 2018-2021	
FTA 5307	428	458	428	428	428	FTA 5307	1,742
FTA 5309	-	-	-	-	-	FTA 5309	-
FTA 5310	-	-	-	-	-	FTA 5310	-
FTA 5311	-	-	-	-	-	FTA 5311	-
FTA 5314	-	-	-	-	-	FTA 5314	-
FTA 5337	-	-	-	-	-	FTA 5337	-
FTA 5339	-	-	-	-	-	FTA 5339	-
FTA ADTAP	-	-	-	-	-	FTA ADTAP	-
FTA DPF	-	-	-	-	-	FTA DPF	-
FTA TIGER	-	-	-	-	-	FTA TIGER	-
FBD	-	-	-	-	-	FBD	-
Flexible STP	-	156	585	520	432	Flexible STP	1,693
CMAQ	-	-	-	-	-	CMAQ	-
RSTP	-	-	-	-	-	RSTP	-
FHWA TAP	-	-	-	-	-	FHWA TAP	-
TIFIA	-	-	-	-	-	TIFIA	-
Other Federal	-	-	-	-	-	Other Federal	-
State	344	342	461	448	430	State	1,681
Local	658	677	688	684	680	Local	2,729
Revenues	34	34	34	34	34	Revenues	136
Totals	1,464	1,667	2,196	2,114	2,004		7,981

	Previous Funding	FY 2018	FY 2019	FY 2020	FY 2021	Total FY 2018-2021	
NEW RIVER VALLEY METROPOLITAN PLANNING ORGANIZATION							
Description:							
	Previous Funding	FY 2018	FY 2019	FY 2020	FY 2021	Total FY 2018-2021	
New River Valley Community Services							
FTA 5307	-	-	-	-	-	FTA 5307	-
FTA 5309	-	-	-	-	-	FTA 5309	-
FTA 5310	-	116	128	128	160	FTA 5310	532
FTA 5311	-	-	-	-	-	FTA 5311	-
FTA 5314	-	-	-	-	-	FTA 5314	-
FTA 5337	-	-	-	-	-	FTA 5337	-
FTA 5339	-	-	-	-	-	FTA 5339	-
FTA ADTAP	-	-	-	-	-	FTA ADTAP	-
FTA DPF	-	-	-	-	-	FTA DPF	-
FTA TIGER	-	-	-	-	-	FTA TIGER	-
FBD	-	-	-	-	-	FBD	-
Flexible STP	-	-	-	-	-	Flexible STP	-
CMAQ	-	-	-	-	-	CMAQ	-
RSTP	-	-	-	-	-	RSTP	-
FHWA TAP	-	-	-	-	-	FHWA TAP	-
TIFIA	-	-	-	-	-	TIFIA	-
Other Federal	-	-	-	-	-	Other Federal	-
State	-	-	-	-	-	State	-
Local	-	29	32	32	40	Local	133
Revenues	-	-	-	-	-	Revenues	-
<i>Totals</i>	-	145	160	160	200		665

Virginia Tech/Montgomery Executive Airport

Project Narrative

Currently, VTMEA has completed Phase I of a three phase project scheduled over a three year period. This project consists of extending the runway from an existing 4,500 foot runway to a 5,500 foot runway. Because of the extension, the airport is required to relocate Tech Center Drive, as secondary road that provides direct access to the Corporate Research Center as well as the Huckleberry Trail which is a highly used trail system connecting Christiansburg and Blacksburg.

Purpose:

The extension of the runway to accommodate larger corporate aircraft is an infrastructure development tool that will enhance regional economic development by opening up the region to distant markets. Additionally, the airport expansion will provide a larger platform for other industries wishing to locate in the New River Valley.

The phasing of the runway extension will bring over 15M in construction costs to the area. The cost associated with the project are grant funded through both the National Transportation Trust Fund; a self-funding mechanism and the Virginia Transportation Trust Fund. The grant shares are 90% federal, 8% state and 2% airport accordingly.

Additional projects consist of a state and airport project to develop a corporate hangar campus. This project has a total cost of 1.6M with the airports share of \$330,000. This improvement will allow the larger corporate aircraft storage space creating a home fleet.

In conjunction with the VDOT interchange project along the route 460 bypass, these projects co-mingle forming a multi-mode development enhancement.

The Airport Capital Improvement Funds is attached as an exhibit.

The Airport Economic Impact Report is attached as an exhibit.

Department of Aviation Commonwealth of Virginia

Project List Report

Years: 2018, 2019, 2020, and 2021

Project Categories: All

Project Types: CAF

Project Statuses: CP

FAA State Local VDOT Total

Virginia Tech-Montgomery Executive Airport

2018

Land Acquisition Phase 1 \$1,170,698.00

2018 Subtotal \$1,170,698.00

2019

Land Acquisition Phase 2 \$1,150,000.00

2019 Subtotal \$1,150,000.00

2020		
	Land Acquisition Phase 3	\$2,822,380.00
		<hr/> <hr/>
	2020 Subtotal	\$2,822,380.00
2021		
	Land Acquisition Phase 4	\$2,091,922.00
		<hr/> <hr/>
	2021 Subtotal	\$2,091,922.00
		<hr/> <hr/>
	Virginia Tech-Montgomery Executive Airport Subtotal	\$7,235,000.00
		<hr/> <hr/>
	Total	\$7,235,000.00

Dan Brugh

From: Carl Palmer <cpalmer@valleymet ro.com >
Sent: Wednesday, March 22, 2017 6:00 PM
To: Dan Brugh
Cc: Sherman.Stovall@roanokeva.gov; Kevin Price; Stephanie Giles
Subject: Cost and Schedule for Added NRV Smart Way Amtrak Service
Attachments: SmartWay Modified DRAFT Schedule from NRV to Roanoke Amtrak 031517.xlsx

Dan,

As a follow up to my March 15, 2017 e-mail, the local net incremental cost estimate to the New River Valley (NRV) for Valley Metro to provide additional Smart Way commuter services from to Roanoke/Amtrak is in fact \$46,000, annually (\$45,892.18 to be exact). The detailed cost assumptions and calculations are as follows:

- 1) Service provided seven (7) days per week, 365 days annually;
- 2) Two (2) round trips added per day;
- 3) 172 miles per day at a cost of \$1.72 per mile= \$295.84 per day; \$107,981.60, annually;
- 4) Fifteen percent (15%) of annual operating cost assumed for fare box revenue offset = \$16,197.24;
- 5) Net operating cost of \$91,784.36;
- 6) FTA 5311 funding at 50% of net cost= \$45,892.18 NRV local match burden;
- 7) The modified Smart Way schedule assumes a 6:19 a.m. Amtrak departure and 10:15 p.m. arrival, Monday through Friday; an 8:40 a.m. departure and 10:35 arrival Saturday, Sunday and holidays; the full modified Smart Way draft schedule is attached.

As I understand it, after the first year of service, the NRV has not contributed to the cost of that portion of the Connector service operating from the NRV to Lynchburg/Amtrak, Friday through Sunday. Therefore, there would not be any residual funds that the NRV could apply to its local match burden for the seven (7) day a week service. Thus the 50% 5311 local match would be an entirely new expense for the NRV.

Let me know, if you have any questions or wish to discuss the matter further.

Thanks Dan.

Best Regards,

Carl

Carl L. Palmer, General Manager

Greater Roanoke Transit Company, Valley Metro 1108 Campbell Avenue SE

Roanoke, VA 24013

Office Phone: 540-982-0305, Extension 111 Office Phone Direct and Fax: 540-613-5522 Cell

Phone: 540-492-0812

E-Mail: cpalmer@valleymetro.com Web Site: www.valleymetro.com

First Group E-Mail: carl.palmer@firstgroup.com

If You Cannot Do It Safely...•Don't Do It!



** For Security Purposes, GRTC / Valley Metro will no longer accept .zip files as email attachments... The email will be deleted without any notification to the recipient(s) or sender.

MONDAY - FRIDAY

Roanoke to Blacksburg

Blacksburg to Roanoke

1	2	3	4	5	6	7	8	9	10	8	7	6	5	4	1	2	3
VTCRI	D'town Roa	Higher Ed	Airport	Exit 140	Exit 118B	C'burg	CRC	VT Squires	B'burg Main	CRC	C'burg	Exit 118B	Exit 140	Airport	VTCRI	D'town Roa	Higher Ed
								4:30A	-	-	-	4:45A	5:20A	-	-	5:40A	-
-	5:15A	5:17A	-	5:35A	6:00A	6:05A	6:13A	6:20A	6:23A	6:28A	6:35A	6:45A	7:15A	7:25A	7:40A	7:47A	7:52A*
-	5:50A	5:52A	-	6:10A	6:35A	6:40A	6:48A	7:00A	7:03A	7:08A	7:20A	7:25A	7:50A	-	8:10A	8:20A	8:25A
-	6:20A	6:22A	6:35A	6:45A	7:15A	7:20A	7:32A	7:45A	7:48A	7:53A	8:00A	8:10A	8:40A	8:50A	9:05A	9:15A	-
-	7:20A	7:22A	7:35A	7:45A	8:15A	8:20A	8:32A	8:45A	8:48A	8:53A	9:00A	9:10A	9:40A	9:50A	10:05A	10:15A	10:20A
7:40A	7:50A	7:52A	8:05A	8:15A	8:45A	8:50A	9:02A	9:15A	9:18A	9:23A	9:30A	9:40A	10:10A	10:20A	10:35A	10:45A	10:50A
9:05A	9:50A	9:52A	10:05A	10:15A	10:45A	10:50A	11:02A	11:15A	11:18A	11:23A	11:30A	11:40A	12:10P	12:20P	12:35P	12:45P	12:52P*
10:35A	11:20A	11:22A	11:35A	11:45A	12:15P	12:20P	12:32P	12:45P	12:48P	12:53P	1:00P	1:10P	1:40P	1:50P	2:05P	2:15P	2:22P*
12:35P	12:50P	12:52P	1:05P	1:15P	1:45P	1:50P	2:02P	2:15P	2:18P	2:23P	2:30P	2:40P	3:10P	3:20P	3:35P	3:45P	3:52P*
2:05P	2:20P	2:22P	2:35P	2:45P	3:15P	3:20P	3:32P	3:45P	3:48P	3:53P	4:00P	4:10P	4:40P	4:50P	5:05P	5:15P	5:22P*
3:35P	3:50P	3:52P	4:05P	4:15P	4:45P	4:50P	5:02P	5:20P	5:23P	5:28P	5:35P	5:45P	6:15P	6:25P	6:40P	6:50P	6:57P*
-	4:35P	4:37P	-	4:55P	5:20P	5:25P	5:33P	5:50P	5:53P	5:58P	6:10P	6:15P	6:40P	-	7:00P	7:10P	7:15A
5:05P	5:20P	5:22P	5:35P	5:45P	6:15P	6:20P	6:32P	6:45P	6:48P	6:53P	7:00P	7:10P	7:40P	7:50P	8:05P	8:15P	8:22P
6:40P	6:55P	6:57P	7:10P	7:20P	7:50P	7:55P	8:07P	8:20P	8:23P	8:28P	8:35P	8:45P	9:15P	9:25P	-	9:40P	-
-	10:35P	-	-	10:55P	11:20P	-	-	11:35P	-	-	-	-	-	-	-	-	-
6:05P	8:20P	8:22P	8:35P	8:45P	9:15P	9:20P	9:32P	9:40P	FRIDAY ONLY			*Bus continues to Blacksburg.					

ELIMINATE????

SATURDAY

Roanoke - Blacksburg

Blacksburg - Roanoke

2	3	4	5	6	7	8	9	10	8	7	6	5	4	3	2
D'town Roa	Higher Ed	Airport	Exit 140	Exit 118B	C'burg	CRC	VT Squires	B'burg Main	CRC	C'burg	Exit 118B	Exit 140	Airport	Higher Ed	D'town Roa
							6:40A				6:55A	7:25A			7:45A
6:20A	6:22A	6:35A	6:45A	7:15A	7:20A	7:32A	7:50A	7:53A	7:58A	8:05A	8:15A	8:45A	8:55A	9:08A	9:10A
7:50A	7:52A	8:05A	8:15A	8:45A	8:50A	9:02A	9:20A	9:23A	9:28A	9:35A	9:45A	10:15A	10:25A	10:38A	10:40A
9:50A	9:52A	10:05A	10:15A	10:45A	10:50A	11:02A	11:20A	11:23A	11:28A	11:35A	11:45A	12:15P	12:25P	12:38P	12:40P
11:20A	11:22A	11:35A	11:45A	12:15P	12:20P	12:32P	12:50P	12:53P	12:58P	1:05P	1:15P	1:45P	1:55P	2:08P	2:10P
12:50P	12:52P	1:05P	1:15P	1:45P	1:50P	2:02P	2:20P	2:23P	2:28P	2:35P	2:45P	3:15P	3:25P	3:38P	3:40P
2:20P	2:22P	2:35P	2:45P	3:15P	3:20P	3:32P	3:50P	3:53P	3:58P	4:05P	4:15P	4:45P	4:55P	5:08P	5:10P
3:50P	3:52P	4:05P	4:15P	4:45P	4:50P	5:02P	5:20P	5:23P	5:28P	5:35P	5:45P	6:15P	6:25P	6:38P	6:40P
5:20P	5:22P	5:35P	5:45P	6:15P	6:20P	6:32P	6:50P	6:53P	6:58P	7:05P	7:15P	7:45P	7:55P	8:08P	8:10P
6:50P	6:52P	7:05P	7:15P	7:45P	7:50P	8:02P	8:20P	8:23P	8:28P	8:35P	8:45P	9:15P	9:25P	9:38P	9:40P
8:20P	8:22P	8:35P	8:45P	9:15P	9:20P	9:32P	9:40P	-	-	-	-	-	-	-	-
10:35P	-	-	-	11:00P	11:30P	-	-	11:45P	-	-	-	-	-	-	-