

# Roanoke Valley Area METROPOLITAN PLANNING ORGANIZATION



## TRANSPORTATION IMPROVEMENT PROGRAM

for the  
ROANOKE VALLEY AREA  
METROPOLITAN PLANNING ORGANIZATION

Federal Fiscal Years 2012-2015  
APPROVED: June 23, 2011

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Amended  
August 22, 2013

Adjusted  
June 13, 2013



# RVAMPO FY 2012-15 Transportation Improvement Program (TIP)

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## **1.0 Purpose of the TIP**

The Transportation Improvement Program (TIP) is a document that identifies how federal funds will be used for transportation projects in the Roanoke Valley's urbanized area over a four-year timeframe. All transportation projects identified in the TIP must be consistent with the Long Range Transportation Plan, which generally spans a twenty-five year timeframe.

The Roanoke Valley Area Metropolitan Planning Organization (MPO) is an organization required to exist by federal law (23 CFR Part 450), which mandates that urbanized areas with a population greater than 50,000 persons establish an MPO to facilitate transportation planning. The Roanoke Valley MPO area includes the urbanized portions of Bedford County, Botetourt County, and Roanoke County, as well as the City of Roanoke, the City of Salem, and the Town of Vinton. Staff at the Roanoke Valley Area MPO developed this TIP for the MPO area shown in the adjacent map.



The Roanoke Valley Area MPO TIP was developed in cooperation with the Virginia Department of Transportation, the Virginia Department of Rail and Public Transportation, local public transportation operators, and the local governments within the urbanized area. These officials, through the Metropolitan Planning Process, select and schedule projects that they support for endorsement in the TIP. The Transportation Improvement Program is endorsed annually by the MPO Policy Board and may be modified by amendments and adjustments at any time. The MPO Policy Board currently includes officials from the following organizations:

- Bedford County
- Botetourt County
- City of Roanoke
- Roanoke County
- City of Salem
- Town of Vinton
- Greater Roanoke Transit Company (*Valley Metro*)
- Roanoke Regional Airport Commission
- Roanoke Valley-Alleghany Regional Commission
- Virginia Department of Transportation
- Federal Highway Administration (non-voting)
- Federal Transit Administration (non-voting)
- Virginia Department of Rail and Public Transportation (non-voting)

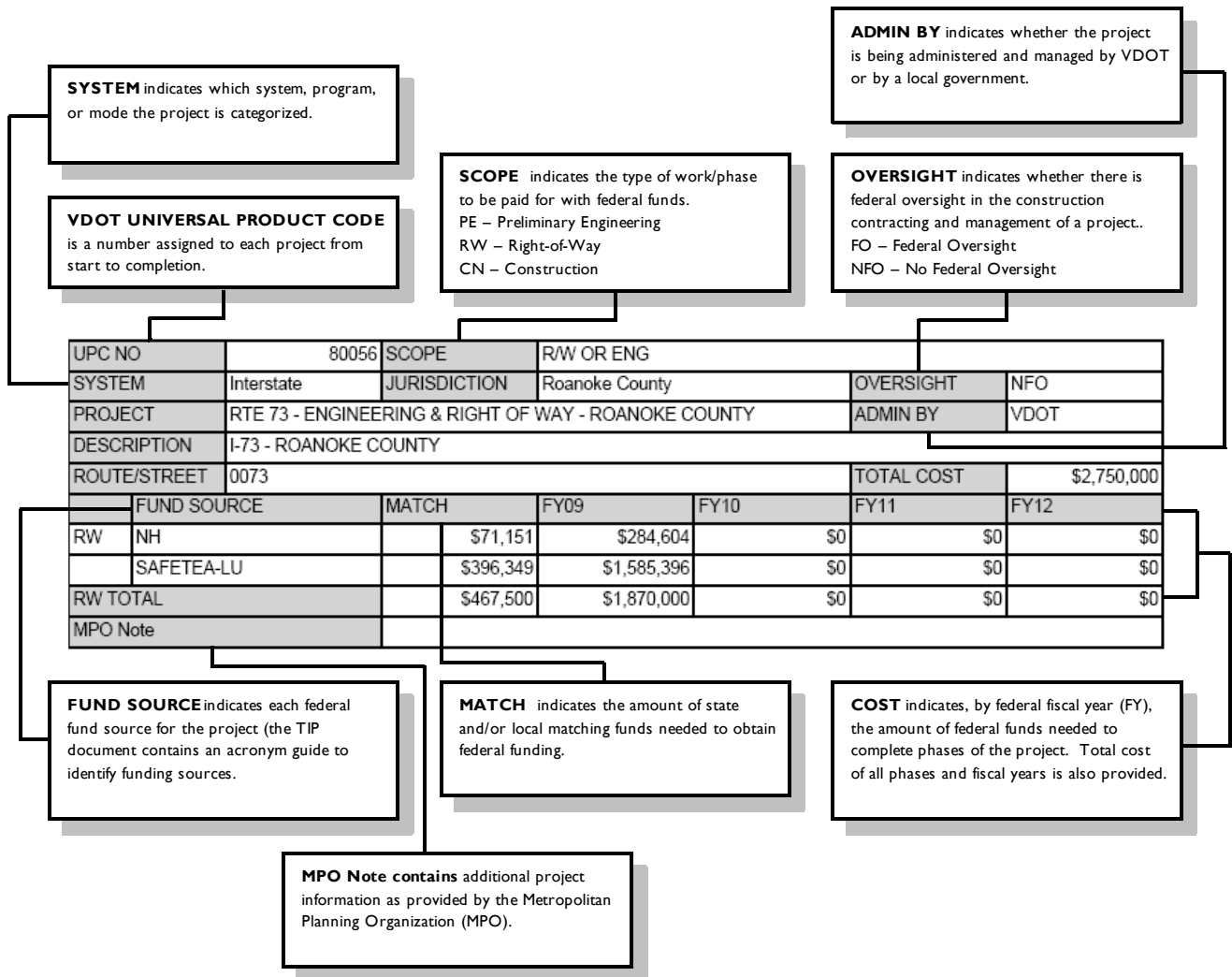
The public has been afforded opportunities to comment upon the development of the TIP in accordance with the MPO's Public Participation Plan. The Comprehensive, Continuing, Cooperative (3-C) process of the MPO, provides a natural mechanism by which the TIP can be carefully reviewed and updated annually. Annual development of this program helps to clarify future needs, allow revisions to accommodate changing conditions, and allow developing local and regional plans to be continually incorporated. The Technical Advisory Committee to the MPO (known as the Transportation Technical Committee or TTC) is made up of representatives from local, state, and federal agencies. The TTC 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 Policy Board 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, and construction should be documented in the TIP.

## **2.0 Understanding the TIP**

The Transportation Improvement Program identifies capital projects anticipated to receive federal funding over a four-year period during federal fiscal years 2012 through 2015 (October 1, 2012 to September 30, 2015). Projects that are funded only through state or local sources are not included. Once approved, the TIP is incorporated into the State Transportation Improvement Program (STIP).

Some projects in the TIP are identified as individual projects whereas others are grouped together and shown as a single item. Projects are summarized by jurisdiction in Section 4.0 and listed independently in Appendix A, Grouped Projects and Appendix B, Ungrouped Projects. In Appendix A, the tables entitled "Project Groupings" contains aggregated funding information for projects within a similar funding category such as bridge construction, rail, safety improvements, trails, and operations. The diagram below explains the type of detailed information provided for individually listed projects in Appendix B.

## Diagram of Highway Project Information



The project “system” referred to in the diagram above is described in Table 1.

**Table 1: Project System**

<b>System</b>	<b>Description</b>
Interstate	The Interstate System contains projects identified as being part of the limited-access system of highways which carry route designations such as I-81 and I-64.
Primary Roads	The Primary System contains projects located along major roadways which carry a route designation of less than 600. Projects listed in this category are primarily located within counties and are listed in numerical order by route number without regard to jurisdiction.
Secondary Roads	The Secondary System contains projects located along minor roadways which carry a route designation of 600 or greater. Projects listed in this category are primarily located within counties and are listed in numerical order by route number without regard to jurisdiction.
Urban Roads	The Urban System contains projects located within cities and towns. Projects are organized by jurisdiction and listed by street name.
Miscellaneous	Miscellaneous Projects are regional in nature and are not associated with one of the previous Systems.
Rail Safety	Rail safety projects include those related to safety such as gates, flashing lights, etc. at railroad crossings.
Transportation Enhancement	Transportation enhancement projects include improvements to safety and aesthetics.
Public Transit Projects	The Public Transportation section contains the operating and capital funding for Valley Metro and RADAR, the two public transit operators in the MPO area.

### **3.0 Funding the TIP**

SAFETEA-LU's planning regulation 23 CFR 450.324(h) specifies the inclusion of a financial plan in the TIP that shows how the projects or project phases identified in the TIP can reasonably be expected to be implemented, with the available public and private revenues identified. TIP projects or project phases are required to be consistent with the Long Range Transportation Plan and must be fully funded in the TIP. To the extent that funding is available or shall be reasonably available, priority projects or project phases have been cooperatively selected for inclusion in this TIP. VDOT, DRPT, Valley Metro, RADAR and the MPO developed financial forecasts for the TIP based on the latest official planning assumptions and estimates of revenues and costs. The financial information is given by funding category for the projects listed and expected to be implemented during the four-year period beginning Fiscal Year 2012.

Some projects listed in the TIP may show \$0 for planned obligations. There are several reasons this may occur and include:

- Project is complete; awaiting closeout
- Subsequent phases beyond 4 years

- Information only, funding being pursued
- Project to be funded from [category] group funding

In addition to construction projects, financial projections have also been made to show revenues for maintaining and operating the region's highway and transit systems during the same 4-year period. Funded TIP actions typically include, but are not limited to:

- Transportation studies
- Ground transportation system improvement projects (fixed-guide, highway, bicycle, pedestrian, commuter lots, etc)
- Public transit systems and services, including the components of coordinated human service mobility plans
- System maintenance (monitoring, repair and/or replacement of system facilities and support sites; snow removal; mowing; painting; rest area or weigh station sites; etc)
- System operations (ITS-TSM applications; traffic operations such as signalization, signal coordination, ramp meters, or message signs; roadside assistance; incident management; for the urbanized TMAs, their Congestion Management Process activities; VDOT traffic management centers; bridge-tunnel management; toll road or congestion pricing management; etc)

### **3.1 Funding Sources**

The TIP funding summary tables (Table 2) summarize by year and by funding source the revenue amounts estimated and committed for fiscal year 2012-2015. The table includes expenditures and estimated revenues expected for each funding source and show that the program is financially constrained by year. The financial summary tables are based on total funds available, which include annual allocations of funds including any State and local matching dollars. These revenue sources are all reasonably expected to be made available and committed to the project phase during the programmed year of the TIP.

**TABLE C : Roanoke MPO  
FEDERAL FUNDING CATEGORIES STATEWIDE  
FISCAL CONSTRAINT OF YEAR**

Highway Projects  
FFY 2012 - 2015

Fund Source	FFY 2012		FFY 2013		FFY 2014		FFY 2015		TOTAL	
	Estimated Revenue	Proposed Commitment	Estimated Revenue	Proposed Commitment	Estimated Revenue	Proposed Commitment	Estimated Revenue	Proposed Commitment	Estimated Revenue	Proposed Commitment
<b>Federal</b>										
BR/BROS	\$3,147,636	\$3,147,636	\$1,597,046	\$1,597,046	\$1,715,240	\$1,715,240	\$0	\$0	\$6,459,922	\$6,459,922
EB/MG	\$557,523	\$557,523	\$5,416,753	\$5,416,753	\$529,023	\$529,023	\$0	\$0	\$6,503,299	\$6,503,299
EN	\$414,154	\$414,154	\$0	\$0	\$0	\$0	\$0	\$0	\$414,154	\$414,154
IM	\$0	\$0	\$855,476	\$855,476	\$0	\$0	\$3,070,275	\$3,070,275	\$3,925,751	\$3,925,751
NHS	\$5,827,719	\$5,827,719	\$0	\$0	\$0	\$0	\$0	\$0	\$5,827,719	\$5,827,719
SAFETEA-LU	\$7,301,103	\$7,301,103	\$5,488,715	\$5,488,715	\$0	\$0	\$0	\$0	\$12,789,818	\$12,789,818
STP	\$6,566,498	\$6,566,498	\$4,130,959	\$4,130,959	\$412,092	\$412,092	\$185,239	\$185,239	\$11,294,788	\$11,294,788
<b>Subtotal -- Federal</b>	<b>\$23,814,633</b>	<b>\$23,814,633</b>	<b>\$17,488,949</b>	<b>\$17,488,949</b>	<b>\$2,656,355</b>	<b>\$2,656,355</b>	<b>\$3,255,514</b>	<b>\$3,255,514</b>	<b>\$47,215,451</b>	<b>\$47,215,451</b>
<b>Other</b>										
Non-Federal	\$5,932,228	\$5,932,228	\$0	\$0	\$5,745,282	\$5,745,282	\$0	\$0	\$11,677,510	\$11,677,510
State Match	\$6,111,219	\$6,111,219	\$4,901,280	\$4,901,280	\$916,522	\$916,522	\$387,451	\$387,451	\$12,316,472	\$12,316,472
<b>Subtotal -- Other</b>	<b>\$12,043,447</b>	<b>\$12,043,447</b>	<b>\$4,901,280</b>	<b>\$4,901,280</b>	<b>\$6,661,804</b>	<b>\$6,661,804</b>	<b>\$387,451</b>	<b>\$387,451</b>	<b>\$23,993,982</b>	<b>\$23,993,982</b>
<b>Total</b>	<b>\$35,858,080</b>	<b>\$35,858,080</b>	<b>\$22,390,229</b>	<b>\$22,390,229</b>	<b>\$9,318,159</b>	<b>\$9,318,159</b>	<b>\$3,642,965</b>	<b>\$3,642,965</b>	<b>\$71,209,433</b>	<b>\$71,209,433</b>
<b>Federal - AC (1)</b>										
BR	\$0	\$0	\$1,039,454	\$1,039,454	\$1,009,732	\$1,009,732	\$0	\$0	\$2,049,186	\$2,049,186
NH	\$80,354	\$80,354	\$0	\$0	\$0	\$0	\$0	\$0	\$80,354	\$80,354
STP	(\$128,357)	(\$128,357)	\$1,447,480	\$1,447,480	\$0	\$0	\$0	\$0	\$1,319,123	\$1,319,123
<b>Subtotal -- Federal - AC (1)</b>	<b>(\$48,003)</b>	<b>(\$48,003)</b>	<b>\$2,486,934</b>	<b>\$2,486,934</b>	<b>\$1,009,732</b>	<b>\$1,009,732</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,448,663</b>	<b>\$3,448,663</b>
<b>Statewide - Federal (4)</b>										
BR/BROS	\$51,002,946	\$51,002,946	\$52,580,173	\$52,580,173	\$67,177,442	\$67,177,442	\$65,942,659	\$65,942,659	\$236,703,220	\$236,703,220
EB/MG	\$43,722,507	\$43,722,507	\$43,714,398	\$43,714,398	\$44,848,088	\$44,848,088	\$44,726,657	\$44,726,657	\$177,011,650	\$177,011,650
IM	\$21,507,444	\$21,507,444	\$28,171,292	\$28,171,292	\$30,594,510	\$30,594,510	\$43,017,379	\$43,017,379	\$123,290,625	\$123,290,625
MISCELL (4)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
NHS	\$37,258,195	\$37,258,195	\$51,100,023	\$51,100,023	\$56,678,360	\$56,678,360	\$69,578,755	\$69,578,755	\$214,615,333	\$214,615,333
STP	\$38,815,155	\$38,815,155	\$38,969,034	\$38,969,034	\$39,123,440	\$39,123,440	\$39,992,860	\$39,992,860	\$156,900,489	\$156,900,489
TRANSIT (3)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TRANSIT EB/MG (7)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Subtotal -- Statewide - Federal (4)</b>	<b>\$192,306,247</b>	<b>\$192,306,247</b>	<b>\$214,534,920</b>	<b>\$214,534,920</b>	<b>\$238,421,840</b>	<b>\$238,421,840</b>	<b>\$263,258,310</b>	<b>\$263,258,310</b>	<b>\$908,521,317</b>	<b>\$908,521,317</b>



FFY 2012 - 2015

Fund Source	FFY 2012		FFY 2013		FFY 2014		FFY 2015		TOTAL	
	Estimated Revenue	Proposed Commitment	Estimated Revenue	Proposed Commitment	Estimated Revenue	Proposed Commitment	Estimated Revenue	Proposed Commitment	Estimated Revenue	Proposed Commitment

- (1) AC -- 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.

The following information provides an overview of the most common funding programs utilized in the development of the TIP.

### **Highway Funding Programs:**

- BR/BROS**                    ***Bridge Rehabilitation and Replacement*** program provides funding for bridge improvements. Eligibility for funding is based on a rating of bridge condition by VDOT as a candidate for upgrading.
- DEMO**                      The federal transportation acts include demonstration, priority, pilot, or special interest projects in various Federal-aid highway and appropriations acts. These projects are generically referred to as "demonstration" or "demo" projects, because Congress initiated this practice of providing special funding for these projects to demonstrate some new or innovative construction, financing, or other techniques on specific projects.
- EB/MG**                      The ***Equity Bonus*** (formerly known as ***Minimum Guarantee***) ensures that each State receives a specific share of the aggregate funding for major highway programs (Interstate Maintenance, National Highway System, Bridge, Surface Transportation Program, Highway Safety Improvement Program, Congestion Mitigation and Air Quality Improvement, Metropolitan Planning, Appalachian Development Highway System, Recreational Trails, Safe Routes to School, Rail-Highway Grade Crossing, Coordinated Border Infrastructure programs, and Equity Bonus itself, along with High Priority Projects), with every State guaranteed at least a specified percentage of that State's share of contributions to the Highway Account of the Highway Trust Fund.
- IM**                            ***Interstate Maintenance*** (IM) program provides reconstruction, maintenance, and improvements to the National System of Interstate and Defense Highways. The Commonwealth Transportation Board (CTB) administers these programs.
- NHS**                         ***National Highway System*** (NHS) projects can be funded only if they are on the National Highway System, which is established by Congress.
- SAFETEA-LU**                ***The Safe Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU)*** is the federal transportation bill that provides federal transportation funding to each state. The SAFETEA-LU funding category refers to funding earmarks that Congress included in the legislation for specific projects. This funding can only be used for the project(s) for which it is earmarked.

<b>STP</b>	<b>Surface Transportation Program (STP)</b> can be utilized on any project located on a roadway that is classified higher than a minor collector. Projects eligible for funding under this program include construction, reconstruction, and rehabilitation, and bridge projects on any public road. Local STP funds are designated as L-STP.
<b>Non-Federal</b>	Any funding that does not come from federal sources is grouped into the non-federal funding category.
<b>EN</b>	<b>Transportation Enhancement</b> funds have been made available for bicycle and pedestrian facilities through the Surface Transportation Program of the TEA-21. A 10% set aside from each state's allocation of STP funds must be used for Transportation Enhancement activities. Projects are available for funding on a statewide competition basis for enhancement grants. The Enhancement program includes a set aside for the Roadscapes Program, which provides funding for local jurisdictions to apply for landscaping projects on state and federally maintained rights-of-way.
<b>SRS</b>	<b>Safe Routes to School</b> is a competitive grant program to enable and encourage children to safely walk and bicycle to school. Funds can be used for infrastructure improvements and educational programs.

**Transit Funding Programs:**

<b>Section 5307</b>	Federal Transit Administration formula grants for transit capital and operating assistance in urbanized areas.
<b>Section 3037</b>	Federal Transit Administration funds for Job Access and Reverse Commute grants to provide low-income individuals job access transportation.
<b>Section 5309</b>	Federal Transit Administration discretionary grant funding for capital assistance for major bus related construction or equipment projects.
<b>Section 5310</b>	Federal Transit Administration funds for private and non-profit organizations providing mass transportation services for the elderly and disabled.
<b>Non-Federal</b>	Any funding that does not come from federal sources is grouped into the non-federal funding category.

The following table lists the acronyms for all potential funding sources.

**Table 3: Acronyms for Funding Sources**

AC	Advance Construction	ID	Interstate Discretionary
APD	Appalachian Development	IM	Interstate Maintenance
AD	Defense Access	IMG	Interstate Maintenance Grade Crossing
BOND	Bond Issue	IR	Interstate 4R
BR	Bridge Replacement	IX	Interstate Substitution
BROS	Bridge (off federal system)	M	Urbanized
BH	Bridge Rehabilitation	MG	Minimum Guarantee
CM	Congestion Mitigation & Air Quality	MR	Maintenance Replacement
DEMO	Demonstration	NH	National Highway
EB	Equity Bonus	OC	Open Container
EN	Enhancement	RO	Repeat Offender
F	Consolidated Primary	S	State
FR	Federal Reimbursement Grant Repayment	SRTS	Safe Routes to School
FHWA	Federal Highway Administration	STP	Surface Transportation Program
FTA	Federal Transit Administration	TB	Timber Bridge
HES	Hazard Elimination	TFRA	Toll Facilities Revolving Account
HPD	Highway Priority Demonstration	RRP	Rail Highway Protective Devices
HSIP	Highway Safety Improvement Program	RRS	Rail Highway Grade Separation
I	Interstate	VTA	Virginia Transportation Act of 2000

**3.2 Financial Assumptions**

The TIP financial plan is federally required to include only committed and/or reasonably available transportation funding sources. The estimates on funding sources and costs are based on reasonable financial principles and recent information. The financial estimates for both revenues and costs are given in year of expenditure dollars, and reflect growth and inflation factors. VDOT costs estimates are from the VDOT Project Cost Estimating System. For projects not administered by the state, cost estimates are developed cooperatively through the MPO or responsible local government. Maintenance and construction program financial planning assumptions used for the FY 2012 – FY 2015 TIP are consistent with assumptions and distribution methodology used for the 2035 Transportation Plan. Financial assumptions include:

- 1) Maintenance allocations will increase 4% annually.
- 2) Federal revenue annual growth is forecasted at the rate of increase in taxable gallons of gas as estimated by the Virginia Department of Taxation, which is 2.05%.
- 3) After the HB3202 bond issuance period has ended, it is assumed that there will be \$300 million of new bond revenue, with its associated debt, each year beyond 2017 that will be distributed in the same manner as was the previous bond proceeds.
- 4) It is assumed that future federal reauthorizations will follow the current funding scheme and base levels.
- 5) Revenue figures are based on VDOT’s FY 20011 – 2016 Six-Year Financial Plan.

### **3.3 Metropolitan Project Selection Overview**

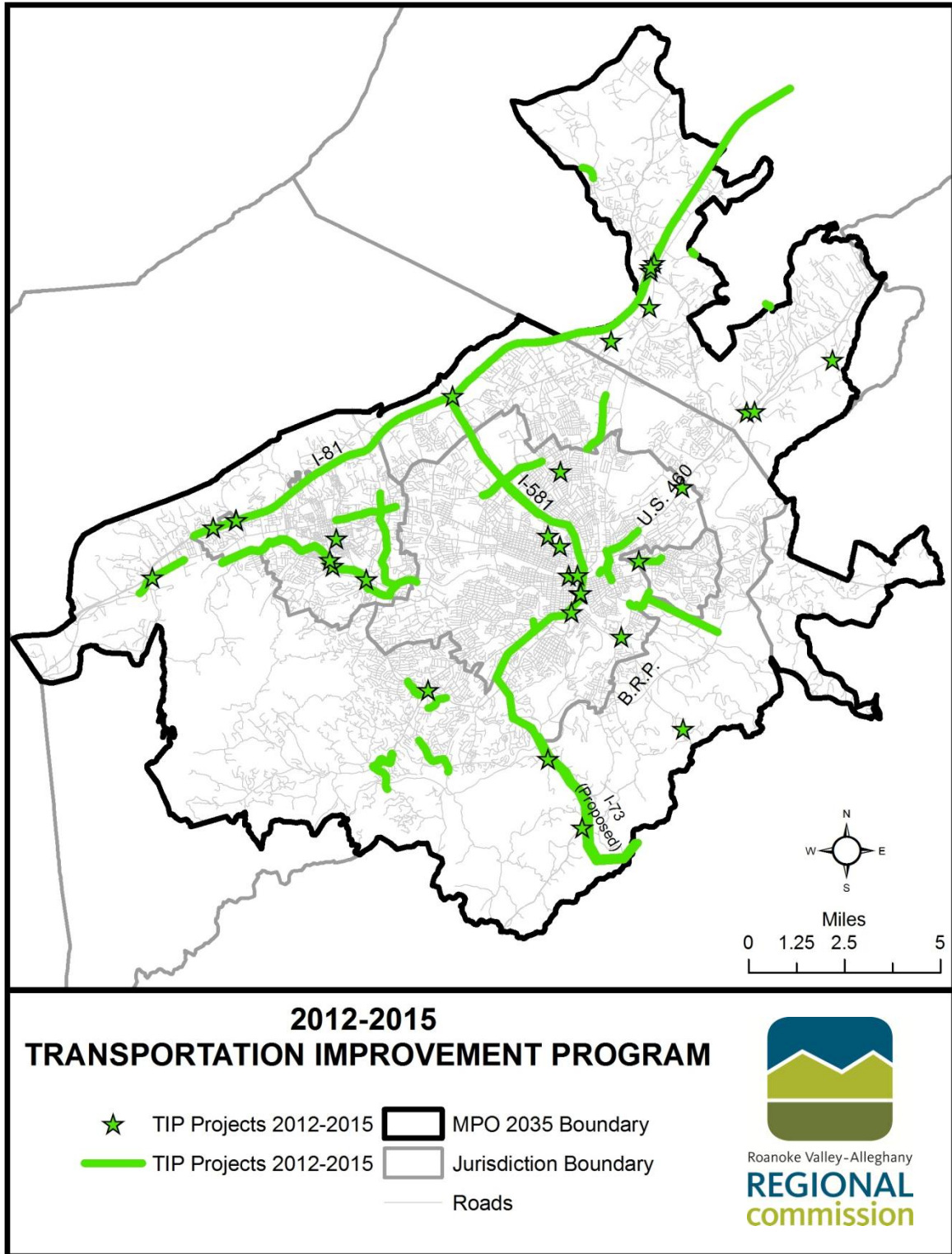
In metropolitan planning areas, transportation projects selected for federal funding in the TIP must be consistent with the approved Constrained Long-Range Plan (CLRP). In addition, the State Transportation Improvement Program (STIP) submitted by the Commonwealth to FTA and FHWA must be consistent with all the metropolitan TIPs.

Within this regulatory framework of metropolitan cooperation, the Commonwealth Transportation Board (CTB) has lead responsibility for selecting and programming federally funded Interstate Maintenance, Bridge, National Highway System, Statewide (non-metropolitan) STP, Safety, Enhancement, and certain FTA Section 5310 projects. Local governments have lead responsibility for selecting projects within the urban and secondary roadway systems. The CTB adopts the Six-Year Program on an annual basis. The Six-Year Program (SYP) includes the Six-Year Improvement Program (SYIP) and the Secondary Six-Year Program (SSYP). These programs are developed by evaluation of existing and future needs based upon statewide and regional plans and projections, priorities for implementation of the transportation plan, and public comment on transportation priorities. Projects listed in the Six-Year Program are updated to reflect the latest revenue estimates, project costs, changes in priorities, and federal and state laws. Criteria used in selecting proposed projects and in developing project priorities include:

- Conformance to the MPO adopted transportation plan and study area local governments/agencies plans and programs;
- SAFETEA-LU planning factors;
- Provision of funding for previously programmed projects in need of additional funds;
- Comments received as part of the MPO Public Involvement Process.

## 4.0 Roadway Projects

This section summarizes the TIP roadway. An overall map of the TIP projects is shown below. More detailed project information is provided in Appendices A and B.



The tables below list the TIP projects by jurisdiction. Note the following explanations for the project groupings:

- Grouped (BR/R/R) = (Bridge Rehabilitation/Replacement/Reconstruction)*
- Grouped (S/ITS/OI) = (Safety/Intelligent Transportation Systems/Operational Improvements)*
- Grouped (TE/B/Non-T) = (Transportation Enhancement/Byway/Non-Traditional)*
- Grouped (Maint. & Syst. Pres.) = (Preventive Maintenance and System Preservation)*
- Grouped (Maint. Bridges) = (Preventive Maintenance for Bridges)*
- Grouped (Maint. Traf. & Safety Op) = (Maintenance of Traffic and Safety Operations)*

#### **4.1 Bedford County**

No projects are currently listed in the TIP for Bedford County.

#### **4.2 Botetourt County**

<b>System</b>	<b>Jurisdiction</b>	<b>UPC</b>	<b>Project</b>	<b>Description</b>	<b>Total Cost</b>	<b>TIP 12-15</b>	<b>TIP 09-12</b>
Interstate	Botetourt	97577	Rt 11 Bridge STR# 3212	I-81 NBL over Rte 11	\$4,622,664	yes	no
Interstate	Botetourt	53097	Rt 81 - Widen 4-8 lanes, PE & RW Only	FROM: 0.28 mi south of Rt 648 MP147.45 TO: 0.79 mi north of Rt 779 E 220 - MP 152.4 (4.9 mi)	\$9,378,934	yes	yes
Grouped (BR/R/R)-Primary	Botetourt	77300	Rt 11 - Replace structure over Tinker Creek (STR#1012)	0.15 mile east Rt 1039 (0.09 mi)	\$3,023,583	yes	yes
Grouped (BR/R/R)-Primary	Botetourt	77302	Rt 11 - Replace structure over Tinker Creek (STR#1013)	0.38 mile east Rt 822 (0.09 mi)	\$2,149,224	yes	yes
Grouped (BR/R/R)-Secondary	Botetourt	90086	Rt 738 - Bridge replacement (STR#6142 and 6143)	Bridge replacement over Glade Creek	\$3,494,798	yes	no
Grouped (BR/R/R)-Secondary	Botetourt	52803	Rt 779 (Catawba Road) - Intersection improvements & Bridge over Tinker Creek	FROM: 0.19 mi east Rt 672 East TO: 0.24 mi west Rt 672 East (0.4213 mi)	\$6,543,715	yes	yes
Grouped (BR/R/R)-Secondary	Botetourt	17993	Rt 738 (Webster Brick Road) - Bridge replacement	FROM: 0.043 mi south Rt 607 North TO: 0.069 mi north Rt 607 North (0.112 mi)	\$1,809,339	yes	no
Grouped (S/ITS/OI)-Interstate	Botetourt	75910	Rt 81 - Improvements for safety & congestion at Exit 150	FROM: 0.15 mi north Rt 1039 (at NS RR) TO: Rt 653 (1.65 mi)	\$24,858,010	yes	yes
Grouped (S/ITS/OI)-Interstate	Botetourt	79039	Rt 81 - Interim safety/operational improvements at Exit 150	Exit 150	\$1,544,951	yes	yes
Grouped (S/ITS/OI)-Interstate	Botetourt	92691	ARRA Botetourt I-81 Undersealing/Paving/Guard rail Upgrades	FROM: Rt 779 Bridge TO: Rt 640 Bridge (9.64 mi)	\$19,457,862	yes	no
Grouped (S/ITS/OI)-Interstate	Botetourt	93082	Rt 81 - Paving & Guardrail upgrades at Exit 150	FROM: Interchange area TO: at Exit 150	\$1,819,628	yes	no
Grouped (S/ITS/OI)-Secondary	Botetourt	18721	Rt 652 - Reconstruction (Curve improvements)	FROM: 0.06 mi west Rt 653 TO: 0.07 mi east RT 653 (0.13 mi)	\$896,650	yes	yes
Grouped (S/ITS/OI)-Secondary	Botetourt	18719	Rt 652 - Reconstruction (Curve improvements)	FROM: 0.09 mi west Rt 658 south TO: 0.06 mi east Rt 658 (0.15 mi)	\$7,123,769	yes	yes

### 4.3 Roanoke County

System	Jurisdiction	UPC	Project	Description	Total Cost	TIP 12-15	TIP 09-12
Interstate	Roanoke Co.	80056	Rt 73 - Partial PE only	Roanoke County	\$408,326,339	yes	yes
Interstate	Roanoke Co.	16591	Rt 81 - Widen from 4-8 lanes, PE only	FROM: 0.047 mi north of Butt Hollow Rd (Rt 641) MP 135.9 TO: 0.20 mi north of Goodwin Ave. (Rt 635) MP 138.6 (2.566 mi)	\$120,340,779	yes	yes
Interstate	Roanoke Co.	16593	Rt 81 - Widen from 4-8 lanes, PE & RW only	FROM: 0.881 mi north of I-581 MP 144.5 TO: .280 mi south of Rt 648 MP: 147.45 (3.0 mi)	\$105,536,017	yes	yes
Interstate	Roanoke Co.	53094	Rt 81 - Widen from 4-8 lanes - PE only	FROM: 0.20 mi north of Goodwin Ave (Rte 635) MP 138.6 TO: 0.75 mi north of Thompson Memorial Drive (Rt 311) MP 140.9 (2.5 mi)	\$150,490,399	yes	yes
Interstate	Roanoke Co.	53096	Rt 81 - Widen from 4-8 lanes - PE only	FROM: 0.786 mi south of I-581 MP 143.1 TO: 0.881 mi north of I-581 MP 144.5 (1.667 mi)	\$259,668,602	yes	yes
Interstate	Roanoke Co.	97560	Rt 81 SB Ramp to I-581 SBL STR#14891	FROM: Rt 81 SB Ramp TO: I-581 SBL	\$10,497,749	yes	no
Interstate	Roanoke Co.	97576	Rt 112 Wildwood Road STR # 14865	RT 112 Wildwood Road corridor	\$5,960,012	yes	no
Interstate	Roanoke Co.	97580	Rt 112 Wildwood Road STR #14863	Rt 112 Wildwood Road I-81 NBL	\$5,960,012	yes	no
Interstate	Roanoke Co.	97581	Rt 641 Texas Hollow Rd STR#14861	Rt 641 Texas Hollow Rd Corridor	\$3,569,127	yes	no
Primary	Roanoke Co.	17698	Rt 11/460 - widen to 4-LN w/curb, gutter, and raised median	FROM: 0.055 mi E. of WCL Salem TO: 0.10 mi west Rt 830 (2.188 mi)	\$45,375,326	yes	yes
Primary	Roanoke Co.	87694	Rt 11 - demolition	Parcels 44, 45 & 57 on Rt 11	\$58,411	yes	yes
Primary	Roanoke Co.	50006	Rt 221 - reconstruct to 4 lanes - RW	FROM: 0.035 km south Rt 688 TO: 1.478 km north Rt 688 (1.512 km)	\$2,965,707	yes	yes
Primary	Roanoke Co.	95812	ARRA - Roanoke 221 reconstruct to 4 lanes (CN phase only)	FROM: 0.035 km S. Rt 688 TO: 1.478 km N. Rt 688 (1.512 km)	\$25,364,476	yes	yes
Primary	Roanoke Co.	96139	ARRA-C Roanoke 221 reconstruct to 4 lanes (CN phase only)	FROM: 0.035 km S. Rt 688 TO: 1.478 km N. Rt 688 (1.512 km)	\$2,415,574	yes	no
Grouped (BR/R/R)-Primary	Roanoke Co.	77305	Rt 116 - Bridge replacement over Back Creek	0.10 mile north Rt 939 (0.24 mi)	\$3,216,358	yes	no
Grouped (BR/R/R)-Primary	Roanoke Co.	82193	Rt 220 - Bridge over Back Creek - STR#1039	FROM: 4.45 mi Rt 419 TO: 3.68 mi Franklin County Line	\$4,888,980	yes	yes
Grouped (S/ITS/OI)-Interstate	Roanoke Co.	53095	Rt 81 - Widen from 4-8 lanes - PE only	FROM: 0.75 mi north of Thompson Memorial Drive (Rt 311) MP 140 TO: 0.786 mi south of Rt 581 MP 143.1 (2.2 mi)	\$196,442,639	yes	yes
Grouped (S/ITS/OI)-Primary	Roanoke Co.	98386	Rt 220 (Franklin Road) Replace signal at Wal-mart	Intersection of Rt.220 and Wal-mart	\$275,000	yes	no
Grouped (S/ITS/OI)-Primary	Roanoke Co.	95658	Rt 419 (Electric Road) Upgrade Rt 419/Rt 221 Signal	FROM: Rt 419 Electric Road TO: Rt 221 Brambleton Ave (0.20 mi)	\$372,085	yes	no
Grouped (S/ITS/OI)-Secondary	Roanoke Co.	15189	Rt 720 (Colonial Ave.) - Reconstruction	FROM: 0.09 mi west Rt 687 TO: Rt 419 (0.58 mi)	\$7,123,769	yes	yes
Grouped (S/ITS/OI)-Secondary	Roanoke Co.	15190	Rt 688 (Cotton Hill Rd.) - Reconstruction	FROM: 0.09 mi south Rt 221 TO: 0.15 mi south Rt. 934 (0.61 mi)	\$5,137,080	yes	yes



System	Jurisdiction	UPC	Project	Description	Total Cost	TIP 12-15	TIP 09-12
Grouped (S/ITS/OI)-Secondary	Roanoke Co.	3672	Rt 601 (Hollins Rd.) - Reconstruction & Bridge over Tinker Creek	FROM: Rt 115 TO: 0.982 km south of Rt 627 (2.57 km)	\$13,355,179	yes	yes
Grouped (S/ITS/OI)-Secondary	Roanoke Co.	15187	Rt 1662 (McVitty Rd.) - Rt. 1662 - Reconstruction & Replace bridge over Mud Lick Creek	FROM: Int. of Rt 1663 TO: Intersection of Rt 419 (0.468 mi)	\$10,315,603	yes	yes
Grouped (S/ITS/OI)-Secondary	Roanoke Co.	18723	Rt 613 (Merriman Rd.) - Reconstruct & widen drainage structure at stream	FROM: 0.1 mi south Rt 904 (Starkey Rd.) TO: Rt 1640 (Pine Acres Lane) (1.31 mi)	\$299,328	yes	yes
Grouped (TE/B/Non-T)-Enhancement	Roanoke Co.	91191	Construction of a Roanoke River Greenway Trail	FROM: City of Roanoke Limit TO: Blue Ridge Parkway/Explore Park	\$230,000	yes	no
Grouped (TE/B/Non-T)-Enhancement	Roanoke Co.	97171	Roanoke River Greenway (Open Container Funding)	FROM: Green Hill Park TO: Mill Ln.	\$3,499,166	yes	no

#### **4.4 City of Salem**

System	Jurisdiction	UPC	Project	Description	Total Cost	TIP 12-15	TIP 09-12
Urban	City of Salem	52076	Rt 11 - Apperson Dr - Intersection Improvements	At Rt 419 Electric Road (0.30 mi)	\$36,388,155	yes	yes
Urban	City of Salem	12532	Rt 460 - Widen to 4 lanes, curb, gutter, sidewalk, replace bridge	FROM: 0.013 mi east of Kessler Mill Road TO: 0.145 mi east of Rt 419 (north) (Electric Road) (0.38 mi)	\$7,588,684	yes	yes
Grouped (BR/R/R)-Urban	City of Salem	78751	Rt 11 (Colorado St.) Bridge replacement	Bridge replacement over Roanoke River	\$4,875,075	yes	yes
Grouped (S/ITS/OI)-Urban	City of Salem	97199	Safe Routes to School Project - Lewis MS - Sidewalks	FROM: 4th and S. College Ave. TO: Walnut and Pennsylvania	\$76,544	yes	no
Grouped (S/ITS/OI)-Urban	City of Salem	8753	Rt 460 (East Main St.) - Widen to 3 lanes with curb & sidewalk	FROM: Rt 311 - Thompson Memorial Blvd. TO: 0.05 mi east intersection Kessler Mill Rd. (1.23 mi)	\$10,948,539	yes	yes
Grouped (S/ITS/OI)-Urban	City of Salem	86530	Riverside Drive - Woodbridge Safety Corridor Shared Use Path	FROM: Mill Lane TO: Kingsmill Drive	\$196,432	yes	yes
Grouped (TE/B/Non-T)-Enhancement	City of Salem	92944	Roanoke River Greenway	FROM: Colorado St. TO: Rotary Park at Rt 419	\$687,876	yes	no
Grouped (TE/B/Non-T)-Enhancement	City of Salem	93200	ARRA - Roanoke River Greenway	FROM: Mill Lane TO: Eddy Street	\$600,000	yes	no
Grouped (TE/B/Non-T)-Enhancement	City of Salem	98229	Roanoke River Greenway	Ph. C504 (2C Moyer Connector)	\$350,000	yes	no
Grouped (TE/B/Non-T)-Urban	City of Salem	56409	Construction of 7 mile bicycle/pedestrian	FROM: Western limits of Green Hill Park TO: Eastern corporate limits of City of Salem (7.0 mi)	\$1,005,003	yes	yes
Grouped (TE/B/Non-T)-Urban	City of Salem	72658	Mason Creek Greenway - 5 mile bicycle/pedestrian trail	FROM: West side of Mason Creek at Lynchburg Turnpike TO: Roanoke Boulevard	\$1,242,625	yes	yes

## 4.5 City of Roanoke

System	Jurisdiction	UPC	Project	Description	Total Cost	TIP 12-15	TIP 09-12
Interstate	City of Roanoke	16595	Rt 581 - Valley View Interchange Phase II	FROM: 0.24 mi S. Rt 101 (Hershberger Rd) TO: 1.561 mi S. Rt 101 (Hershberger Rd) (1.32 mi)	\$70,960,919	yes	yes
Interstate	City of Roanoke	94089	ARRA Rt 581 - at Elm Ave. (Design-Build)	FROM: Exit Ramps accessing Elm Ave. TO: Williamson Rd. to 0.042 mi E 4th St., SE on Elm Ave. (0.244 mi)	\$19,446,796	yes	no
Urban	City of Roanoke	688	13th Street and Hollins Road	FROM: Jamison Ave TO: 0.08 mi north Int. Orange Ave (0.979 mi)	\$39,010,904	yes	yes
Grouped (S/ITS/OI)-Interstate	City of Roanoke	80518	Rt 581 - Interim Safety/Oper. Improve. at Elm Ave. - PE only	FROM: Exit ramps accessing Elm Ave. TO: Williamson Rd. to 0.042 mi E. 4TH ST., SE on Elm Ave. (0.244 mi)	\$12,664,661	yes	yes
Grouped (S/ITS/OI)-Miscellaneous	City of Roanoke	93194	Safe Routes to School Project - Monterey ES to Breckinridge MS	FROM: Winslow Drive and Preston Ave TO: Oliver Road and Oaklawn Drive	\$474,188	yes	no
Grouped (S/ITS/OI)-Urban	City of Roanoke	80562	Signals & ITS - Phase II	Miscellaneous	\$108	yes	yes
Grouped (S/ITS/OI)-Urban	City of Roanoke	86672	HSIP Proactive Safety Projects	Various	\$0	yes	yes
Grouped (S/ITS/OI)-Urban	City of Roanoke	87187	Safe Routes to School Project -Addison Middle School	Area within 1.2 miles of Addison MS	\$325,982	yes	no
Grouped (S/ITS/OI)-Urban	City of Roanoke	71725	10th Street - Construct 2-stage X-ing with warning devices	FROM: 130' S. Syracuse Ave. TO: 110' S. Syracuse Ave.	\$69,987	yes	yes
Grouped (S/ITS/OI)-Urban	City of Roanoke	80558	Hershberger Rd. - Corridor improvements	FROM: Cove Rd. TO: Rutgers St.	\$1,124,703	yes	yes
Grouped (S/ITS/OI)-Urban	City of Roanoke	93116	Hershberger Rd. - Landscaping	FROM: Cove Rd. TO: Rutgers St.	\$1,000,000	yes	no
Grouped (S/ITS/OI)-Urban	City of Roanoke	80560	Norfolk Ave. - Develop to Urban 3 lanes	FROM: Campbell Ave. TO: Wise Ave.	\$960	yes	yes
Grouped (S/ITS/OI)-Urban	City of Roanoke	80561	US 460 (Orange Ave.) - Develop to Urban 6 lanes	FROM: 11th St., NE TO: 0.50 mi E. Gus W. Nicks Blvd. (1.55 mi)	\$50,256,428	yes	yes
Grouped (S/ITS/OI)-Urban	City of Roanoke	95178	US 460 (Orange Ave.) - US 460/Blue Hills E/WB LT lanes and signal	FROM: US 460 @ Blue Hills Dr. TO: Mexico Way (0.25 mi)	\$300,000	yes	no
Grouped (S/ITS/OI)-Urban	City of Roanoke	71741	Rt 116 (Riverland Rd.) - Intersection Improvement	FROM: 0.021 mi west of Int. with Garden City Blvd. TO: 0.161 mi East of Int. with Bennington Street (0.332 mi)	\$7,913,578	yes	yes
Grouped (S/ITS/OI)-Urban	City of Roanoke	80557	Intersection improvements to include turn lanes	Various	\$607	yes	yes
Grouped (S/ITS/OI)-Urban	City of Roanoke	19029	Wonju Street - Traffic/Safety Improvements	FROM: Colonial Ave. TO: Brandon Ave. (0.30 mi)	\$3,159,680	yes	yes
Grouped (TE/B/Non-T)-Enhancement	City of Roanoke	93201	ARRA - Roanoke River Greenway	FROM: Existing parking lot at 13th Street TO: Underhill Avenue	\$1,400,000	yes	no
Grouped (TE/B/Non-T)-Urban	City of Roanoke	59794	Renovation of N&W Railway Station	Use of Passenger Station for Visitor's Center and Museum	\$1,244,668	yes	yes
Grouped (TE/B/Non-T)-Urban	City of Roanoke	72180	Roanoke River Greenway	Connection from Underhill Avenue over the Roanoke River to Tinker Creek Greenway	\$2,355,000	yes	yes
Grouped (TE/B/Non-T)-Urban	City of Roanoke	75255	O. Winston Link Museum	Design and construction of various museum components	\$193,750	yes	no
Grouped (TE/B/Non-T)-Urban	City of Roanoke	72794	Dr. MLK Jr. Bridge Replacement	FROM: Salem Ave. TO: Centre Ave. (0.10 mi)	\$2,089,599	yes	yes

#### **4.6      Town of Vinton**

<b>System</b>	<b>Jurisdiction</b>	<b>UPC</b>	<b>Project</b>	<b>Description</b>	<b>Total Cost</b>	<b>TIP 12-15</b>	<b>TIP 09-12</b>
Grouped (BR/R/R)-Urban	Town of Vinton	76677	Walnut Avenue Bridge replacement over Glade Creek	FROM: 0.136 mi west of 5th St. TO: 0.044 mi east of 5th St. (0.152 mi)	\$2,079,876	yes	yes
Grouped (S/ITS/OI)-Urban	Town of Vinton	93160	Walnut Ave. - Intersection Improvement	At 8th Street	\$1,039,738	yes	no

#### **4.7      Salem District-wide**

<b>System</b>	<b>Jurisdiction</b>	<b>UPC</b>	<b>Project</b>	<b>Description</b>	<b>Total Cost</b>	<b>TIP 12-15</b>	<b>TIP 09-12</b>
Interstate	Salem District-wide	16596	Rt 73 - PE only	Roanoke to NC Line	\$11,000,000	yes	yes
Grouped (BR/R/R)-Secondary	Salem District-wide	92700	ARRA Salem District 2009 Design Build-Culverts	STIP Amd FFY09-13 to add \$68,145 PE & \$613,305 CN Phase ARRA Funds FFY09.	\$788,100	yes	no
Grouped (S/ITS/OI)-Interstate	Salem District-wide	68718	Rt 81 - Project Development & Management	Salem District-side	\$645,966	yes	yes
Grouped (S/ITS/OI)-Miscellaneous	Salem District-wide	52417	Motorist Assistance Unit - District-wide	District-wide	\$147,000	yes	yes
Grouped (S/ITS/OI)-Miscellaneous	Salem District-wide	81423	District-wide traffic signals and ITS - Salem	FY07 HSIP Project	\$0	yes	yes

#### **4.8      Statewide**

<b>System</b>	<b>Jurisdiction</b>	<b>UPC</b>	<b>Project</b>	<b>Description</b>	<b>Total Cost</b>	<b>TIP 12-15</b>	<b>TIP 09-12</b>
Grouped (S/ITS/OI)-Interstate	Statewide	82093	Smart Travel & Traffic Management System	FROM: Salem & Staunton District TO: FY07 SAFETEALU Earmark Project	\$514,480	yes	yes
Grouped (S/ITS/OI)-Miscellaneous	Statewide	93174	Safety Analyst Project	Various	\$225,000	yes	no
Grouped (Maint. & Syst. Pres.)-Miscellaneous	Statewide	T4152	Preventative maintenance and systems operations	To be identified	\$0	yes	yes
Grouped (Maint. & Syst. Pres.)-Miscellaneous	Statewide	T3748	Bridge safety inspection rehabilitation and reconstruction	To be identified	\$0	yes	yes
Grouped (Maint. & Syst. Pres.)-Miscellaneous	Statewide	T3746	Traffic and safety operations	To be identified	\$0	yes	yes

## 5.0 Transit Projects

Funding for the Greater Roanoke Transit Company (Valley Metro) and for RADAR Unified Human Services Transportation Systems, Inc. from federal and other sources for FY 2012-2015 is presented below.

### 5.1 Summary of Transit Funding

Greater Roanoke Transit Company	Previous Funding	FY 2012	FY 2013	FY 2014	FY 2015	Total FY 2012-2015	
FTA 5307	-	2,506	2,508	2,445	2,444	FTA 5307	9,903
FTA 5309	640	-	-	-	-	FTA 5309	-
FTA 5310	-	-	-	-	-	FTA 5310	-
FTA 5311	-	341	324	336	336	FTA 5311	1,337
FTA 5314	-	-	-	-	-	FTA 5314	-
FTA 5339	30	-	-	102	856	FTA 5339	958
JARC	-	-	-	-	-	JARC	-
Federal Stimulus	527	-	-	-	-	Federal Stimulus	-
TIGGER	-	-	-	-	-	TIGGER	-
RSTP	-	-	-	448	-	RSTP	448
Other Federal	-	-	-	-	-	Other Federal	-
State	177	1,367	2,459	1,586	1,567	State	6,979
Local	4	2,669	2,406	2,557	2,652	Local	10,284
Revenues	-	2,149	2,288	2,577	2,577	Revenues	9,591
Equity Bonus	-	-	-	-	-	Equity Bonus	-
Flexible STP	113	564	2,413	-	-	Flexible STP	2,977
New Freedom	-	-	-	-	-	New Freedom	-
<b>Totals</b>	<b>1,491</b>	<b>9,596</b>	<b>12,398</b>	<b>10,051</b>	<b>10,432</b>		<b>42,477</b>

RADAR - UHSTS, Inc. Roanoke County	Previous Funding	FY 2012	FY 2013	FY 2014	FY 2015	Total FY 2012-2015	
FTA 5307	-	-	-	-	-	FTA 5307	-
FTA 5309	-	-	-	-	-	FTA 5309	-
FTA 5310	236	120	80	88	176	FTA 5310	464
FTA 5311	-	-	-	-	-	FTA 5311	-
FTA 5314	-	-	-	-	-	FTA 5314	-
FTA 5339	-	-	-	-	-	FTA 5339	-
JARC	424	208	208	208	-	JARC	624
Federal Stimulus	-	-	-	-	-	Federal Stimulus	-
TIGGER	-	-	-	-	-	TIGGER	-
Other Federal	-	-	-	-	-	Other Federal	-
State	225	83	83	70	-	State	236
Local	495	241	231	246	44	Local	762
Revenues	10	5	25	25	-	Revenues	55
Equity Bonus	-	-	-	-	-	Equity Bonus	-
Flexible STP	-	-	-	-	-	Flexible STP	-
New Freedom	238	88	88	88	-	New Freedom	264
<b>Totals</b>	<b>1,628</b>	<b>745</b>	<b>715</b>	<b>725</b>	<b>220</b>		<b>2,405</b>

Roanoke Valley MPO	Previous Funding	FY 2012	FY 2013	FY 2014	FY 2015	Total FY 2012-2015	
FTA 5307	-	2,506	2,508	2,445	2,444	FTA 5307	9,903
FTA 5309	640	-	-	-	-	FTA 5309	-
FTA 5310	236	120	80	88	176	FTA 5310	464
FTA 5311	-	341	324	336	336	FTA 5311	1,337
FTA 5314	-	-	-	-	-	FTA 5314	-
FTA 5339	30	-	-	102	856	FTA 5339	958
JARC	424	208	208	208	-	JARC	624
Federal Stimulus	527	-	-	-	-	Federal Stimulus	-
TIGGER	-	-	-	-	-	TIGGER	-
RSTP	-	-	-	448	-	RSTP	448
Other Federal	-	-	-	-	-	Other Federal	-
State	402	1,450	2,542	1,656	1,567	State	7,215
Local	499	2,910	2,637	2,803	2,696	Local	11,046
Revenues	10	2,154	2,313	2,602	2,577	Revenues	9,646
Equity Bonus	-	-	-	-	-	Equity Bonus	-
Flexible STP	113	564	2,413	-	-	Flexible STP	2,977
New Freedom	238	88	88	88	-	New Freedom	264
<b>Totals</b>	<b>3,119</b>	<b>10,341</b>	<b>13,113</b>	<b>10,776</b>	<b>10,652</b>		<b>44,882</b>

	Previous Funding	FY 2012	FY 2013	FY 2014	FY 2015	Total FY 2012-2015
<b>STIP ID:</b>	<b>GRT0001</b>	<b>Title: Operating Assistance</b>		<b>Recipient: Greater Roanoke Transit Company</b>		
FTA 5307		2,506	2,508	1,834	1,834	FTA 5307 8,682
FTA 5311		341	324	336	336	FTA 5311 1,337
State		1,294	1,632	1,457	1,457	State 5,840
Local		2,601	2,199	2,396	2,396	Local 9,592
Revenues		2,149	2,288	2,577	2,577	Revenues 9,591
<b>Year Total:</b>	<b>-</b>	<b>8,891</b>	<b>8,951</b>	<b>8,600</b>	<b>8,600</b>	<b>Total Funds: 35,042</b>
Description:	Adj #4 - Increased FY 13 by \$60K (increased \$2K - 5307, increased \$338K - State, increased \$139K - Revenues, decreased \$17K - 5311, increased \$402K - Local) in accordance with approved FY13 SYIP. Adj #12 - Revise funding based on FY14 SYIP. Decrease total FY14 funding by \$291K (decrease 5307 by \$672K, decrease 5311 by \$5K, increase state by \$163K, decrease local by \$205K, increase revenues by \$428K). Change FY15 to reflect same amounts as FY14 funding per MPO TIP.					
<b>STIP ID:</b>	<b>GRT0003</b>	<b>Title: Replacement Bus</b>		<b>Recipient: Greater Roanoke Transit Company</b>		
FTA 5309	640					FTA 5309 -
FTA 5339	-				160	FTA 5339 160
Flexible STP			2,413	-	-	Flexible STP 2,413
State	160		827	-	20	State 847
Local	-		207	-	20	Local 227
<b>Year Total:</b>	<b>800</b>	<b>-</b>	<b>3,447</b>	<b>-</b>	<b>200</b>	<b>Total Funds: 3,647</b>
Description:	Adj #4 - Decrease FY 13 by \$153K (decrease in Flexible STP by \$467K, increase in state by \$467K, decrease in local by \$153K) per approved FY13 SYIP. Adj #12 - Remove total funding of \$550K from FY14 - grantee will be requesting RSTP funds for this project. Also, change federal fund type in FY15 from flexible stp to FTA 5339.					
<b>STIP ID:</b>	<b>GRT0025</b>	<b>Title: Replacement Vans</b>		<b>Recipient: Greater Roanoke Transit Company</b>		
Federal Stimulus	360					Federal Stimulus -
State	-					State -
Local	-					Local -
<b>Year Total:</b>	<b>360</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>Total Funds: -</b>
Description:	Paratransit Vans					
<b>STIP ID:</b>	<b>GRT0026</b>	<b>Title: Support Vehicles</b>		<b>Recipient: Greater Roanoke Transit Company</b>		
Federal Stimulus	30					Federal Stimulus -
FTA 5339	-				24	FTA 5339 24
Flexible STP	-			-	-	Flexible STP -
State	-			-	3	State 3
Local	-			-	3	Local 3
<b>Year Total:</b>	<b>30</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>30</b>	<b>Total Funds: 30</b>
Description:	Adj #12 - Remove FY14 funding of \$180K total. Grantee did not receive this funding in FY14 SYIP. Change federal fund type in FY15 from flexible stp to FTA 5339.					
<b>STIP ID:</b>	<b>GRT0027</b>	<b>Title: Fareboxes</b>		<b>Recipient: Greater Roanoke Transit Company</b>		
Federal Stimulus	60					Federal Stimulus -
Flexible STP		564				Flexible STP 564
State	-	73				State 73
Local	-	68				Local 68
<b>Year Total:</b>	<b>60</b>	<b>705</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>Total Funds: 705</b>
Description:						
<b>STIP ID:</b>	<b>GRT0028</b>	<b>Title: Misc. Equipment</b>		<b>Recipient: Greater Roanoke Transit Company</b>		
Flexible STP	43					Flexible STP -
Federal Stimulus	6					Federal Stimulus -
State	9					State -
Local	2					Local -
<b>Year Total:</b>	<b>60</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>Total Funds: -</b>
Description:	Adj #4 - Remove FY13 funding of \$10K total. Grantee did not receive this funding in FY 13 SYIP.					
<b>STIP ID:</b>	<b>GRT0029</b>	<b>Title: Rehab/Renovation of Admin Building</b>		<b>Recipient: Greater Roanoke Transit Company</b>		
Flexible STP	40			-		Flexible STP -
State	8			-		State -
Local	2			-		Local -
<b>Year Total:</b>	<b>50</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>Total Funds: -</b>
Description:	Adj #4 - Remove FY13 funding of \$150K total. Grantee did not receive this funding in FY13 SYIP. Adj #12 - Remove FY14 funding of \$100K total. Grantee did not receive this funding in FY14 SYIP.					

STIP ID: <b>GRT0030</b>		Title: Surveillance/Security Equipment		Recipient: <b>Greater Roanoke Transit Company</b>	
Federal Stimulus	71			Federal Stimulus	-
State	-			State	-
Local	-			Local	-
<b>Year Total:</b>	<b>71</b>	-	-	<b>Total Funds:</b>	-
Description:					
STIP ID: <b>GRT0031</b>		Title: ADP Hardware		Recipient: <b>Greater Roanoke Transit Company</b>	
FTA 5339	30		72	10	FTA 5339 82
Flexible STP	30			-	Flexible STP -
State	-		10	1	State 11
Local	-		8	1	Local 9
<b>Year Total:</b>	<b>60</b>	-	<b>90</b>	<b>12</b>	<b>Total Funds: 102</b>
Description: Adj # 4 - Remove FY13 funding of \$90K total. Grantee did not receive this funding in FY 13 SYIP. Adj # 12 - Add FY14 funding per FY14 SYIP. Change federal fund type in FY15 from flexible stp to FTA 5339.					
STIP ID: <b>GRT0033</b>		Title: ADP Software		Recipient: <b>Greater Roanoke Transit Company</b>	
FTA 5339	-		16	4	FTA 5339 20
Flexible STP	-			-	Flexible STP -
State	-		2	1	State 3
Local	-		2		Local 2
<b>Year Total:</b>	<b>-</b>	-	<b>20</b>	<b>5</b>	<b>Total Funds: 25</b>
Description: Adj # 4 - Remove FY 13 funding of \$20K total. Grantee did not receive this funding in FY13 SYIP. Adj # 12 - Add FY14 funding per FY14 SYIP. Change federal fund type in FY15 from flexible stp to FTA 5339.					
STIP ID: <b>GRT0034</b>		Title: Shop Equipment		Recipient: <b>Greater Roanoke Transit Company</b>	
FTA 5339	-		14	10	FTA 5339 24
Flexible STP	-			-	Flexible STP -
State	-		2	1	State 3
Local	-		1	1	Local 2
<b>Year Total:</b>	<b>-</b>	-	<b>17</b>	<b>12</b>	<b>Total Funds: 29</b>
Description: Adj # 4 - Remove FY13 funding of \$20K total. Grantee did not receive this funding in FY13 SYIP. Adj #12 - Changed federal funding type to FTA 5339 and reduced total FY14 funding by \$3K (decrease federal by \$2K and decrease local by \$1K). Change federal fund type in FY15 from flexible stp to FTA 5339.					
STIP ID: <b>GRT0035</b>		Title: Communications Systems		Recipient: <b>Greater Roanoke Transit Company</b>	
FTA 5339	-			360	FTA 5339 360
Flexible STP	-			-	Flexible STP -
State	-			45	State 45
Local	-			45	Local 45
<b>Year Total:</b>	<b>-</b>	-	-	<b>450</b>	<b>Total Funds: 450</b>
Description: Adj #12 - Change federal fund type in FY15 from flexible stp to FTA 5339.					
STIP ID: <b>GRT0036</b>		Title: Expansion Rolling Stock		Recipient: <b>Greater Roanoke Transit Company</b>	
FTA 5339	-			288	FTA 5339 288
Flexible STP	-			-	Flexible STP -
State	-			36	State 36
Local	-			36	Local 36
<b>Year Total:</b>	<b>-</b>	-	-	<b>360</b>	<b>Total Funds: 360</b>
Description: Adj #12 - Change federal fund type in FY15 from flexible stp to FTA 5339.					
STIP ID: <b>GRT0037</b>		Title: Transit Enhancements		Recipient: <b>Greater Roanoke Transit Company</b>	
FTA 5307	-		24	23	FTA 5307 47
Flexible STP	-				Flexible STP -
State	-		3	3	State 6
Local	-		3	3	Local 6
<b>Year Total:</b>	<b>-</b>	-	<b>30</b>	<b>29</b>	<b>Total Funds: 59</b>
Description: Amend #15 - Add new project and FY14 funding based on FY14 SYIP.					
STIP ID: <b>GRT0038</b>		Title: Preventative Maintenance		Recipient: <b>Greater Roanoke Transit Company</b>	
FTA 5307	-		587	587	FTA 5307 1,174
Flexible STP	-				Flexible STP -
State	-		-	-	State -
Local	-		147	147	Local 294
<b>Year Total:</b>	<b>-</b>	-	<b>734</b>	<b>734</b>	<b>Total Funds: 1,468</b>
Description: Amend #15 - Add new project and FY14 funding based on MPO TIP Amendment.					
STIP ID: <b>GRT0039</b>		Title: Replacement Bus for Smartway Commuter Service		Recipient: <b>Greater Roanoke Transit Company</b>	
RSTP	-		448		RSTP 448
State	-		112		State 112
Local	-				Local -
<b>Year Total:</b>	<b>-</b>	-	<b>560</b>	<b>-</b>	<b>Total Funds: 560</b>
Description: Amend #15 - Add new project and FY14 funding based on MPO Resolution.					

	Previous Funding	FY 2012	FY 2013	FY 2014	FY 2015	Total FY 2012-2015
<b>STIP ID: RAD0001 Title: Operating Assistance - JARC Recipient: RADAR - UHSTS, Inc. Roanoke County</b>						
JARC	424	208	208	208		JARC 624
State	-					State -
Local	424	207	207	207		Local 621
Revenues	10	5	15	15		Revenues 35
<b>Year Total:</b>	<b>858</b>	<b>420</b>	<b>430</b>	<b>430</b>	<b>-</b>	<b>Total Funds: 1,280</b>
Description:	Adj #4 - Add FY 13 funding in the amount of \$431K (\$208K - 5316, \$207K - Local, \$15K - Revenues) in accordance with approved FY13 SYIP. Adj #12 - Add FY14 funding per FY14 SYIP.					
<b>STIP ID: RAD0005 Title: New Freedom Program Recipient: RADAR - UHSTS, Inc. Roanoke County</b>						
New Freedom	238	88	88	88		New Freedom 264
State	225	83	83	70		State 236
Local	12	4	4	17		Local 25
Revenues			10	10		Revenues 20
<b>Year Total:</b>	<b>475</b>	<b>175</b>	<b>185</b>	<b>185</b>	<b>-</b>	<b>Total Funds: 525</b>
Description:	Adj #4 - Add FY 13 funding in the amount of \$185K (\$88K - 5317, \$83K - State, \$4K - Local, \$10K - Revenues) in accordance with approved FY13 SYIP. Adj #12 - Add FY14 funding per FY14 SYIP.					
<b>STIP ID: RAD0006 Title: Paratransit Vehicles Recipient: RADAR - UHSTS, Inc. Roanoke County</b>						
FTA 5310	236	120	80	88	176	FTA 5310 464
State	-					State -
Local	59	30	20	22	44	Local 116
<b>Year Total:</b>	<b>295</b>	<b>150</b>	<b>100</b>	<b>110</b>	<b>220</b>	<b>Total Funds: 580</b>
Description:	Adj #4 - Decrease FY 13 by \$120K (\$96K - 5310, \$24K - Local) in accordance with approved FY13 SYIP. Adj #12 - Revise funding based on FY14 SYIP. Decrease total FY14 funding by \$220K (decrease 5310 by 176K and local by \$44K).					

**APPENDIX A**  
**Grouped Projects**



## Roanoke MPO Project Groupings

GROUPING		Construction : Bridge Rehabilitation/Replacement/Reconstruction					TOTAL COST		\$35,329,335
ROUTE/STREET									
	FUND SOURCE	MATCH	FY12	FY13	FY14	FY15			
PE	BR	\$89,504	\$358,014	\$0	\$0	\$0			
RW	BR	\$36,164	\$144,656	\$0	\$0	\$0			
	EB	\$63,200	\$0	\$252,800	\$0	\$0			
	STP	\$112,826	\$451,304	\$0	\$0	\$0			
RW TOTAL		\$212,190	\$595,960	\$252,800	\$0	\$0			
CN	Other	\$344,217	\$776,882	\$0	\$0	\$0			
	BR	\$1,176,355	\$1,393,134	\$1,597,046	\$1,715,240	\$0			
	EB	\$132,256	\$0	\$0	\$529,023	\$0			
	SAFETEA-LU	\$10,137	\$40,548	\$0	\$0	\$0			
	STP	\$1,227,993	\$927,561	\$3,984,410	\$0	\$0			
	STP AC CONVERSION	\$46,310	\$0	\$0	\$0	\$185,239			
CN TOTAL		\$2,937,267	\$3,138,125	\$5,581,456	\$2,244,263	\$185,239			
CN AC		\$770,652	-\$226,174	\$2,299,050	\$1,057,932	\$0			
MPO Note									

GROUPING		Construction : Safety/ITS/Operational Improvements					TOTAL COST		\$374,225,598
ROUTE/STREET									
	FUND SOURCE	MATCH	FY12	FY13	FY14	FY15			
PE	EB	\$166,663	\$666,653	\$0	\$0	\$0			
	MG	\$2	\$15	\$0	\$0	\$0			
	STP	\$241,158	\$964,632	\$0	\$0	\$0			
PE TOTAL		\$407,823	\$1,631,300	\$0	\$0	\$0			
RW	EB	\$221,231	-\$200,000	\$1,084,922	\$0	\$0			
	NH	\$1,593,024	\$6,372,096	\$0	\$0	\$0			
	SAFETEA-LU	\$1,322,579	\$5,290,316	\$0	\$0	\$0			
	STP	\$554,770	\$2,219,078	\$0	\$0	\$0			
	STP/SRS	\$0	\$16,000	\$0	\$0	\$0			
RW TOTAL		\$3,691,603	\$13,697,490	\$1,084,922	\$0	\$0			
RW AC		\$41,379	\$165,514	\$0	\$0	\$0			
CN	Other	\$0	\$1,418,628	\$0	\$0	\$0			
	EB	\$49,316	\$90,870	\$106,393	\$0	\$0			
	HSIP	\$52,220	\$469,978	\$0	\$0	\$0			
	IM	\$95,053	\$0	\$855,476	\$0	\$0			
	NH	\$29,349	\$117,394	\$0	\$0	\$0			
	SAFETEA-LU	\$1,372,179	\$0	\$5,488,715	\$0	\$0			
	STP	\$131,282	-\$33,514	\$146,549	\$412,092	\$0			
	STP/SRS	\$0	\$523,232	\$0	\$0	\$0			
CN TOTAL		\$1,729,397	\$2,586,588	\$6,597,133	\$412,092	\$0			
CN AC		\$48,010	\$14,511	\$187,884	\$5,697,082	\$0			
MPO Note									

GROUPING		Construction : Transportation Enhancement/Byway/Non-Traditional				
ROUTE/STREET					TOTAL COST	\$14,897,687
	FUND SOURCE	MATCH	FY12	FY13	FY14	FY15
PE	STP/EN	\$2,501	\$10,003	\$0	\$0	\$0
CN	Other	\$0	\$3,059,000	\$0	\$0	\$0
	STP/EN	\$101,038	\$404,151	\$0	\$0	\$0
CN TOTAL		\$101,038	\$3,463,151	\$0	\$0	\$0
MPO Note						

GROUPING		Maintenance : Preventive Maintenance and System Preservation				
PROGRAM NOTE		Funding identified to be obligated statewide as projects are identified.				
ROUTE/STREET					TOTAL COST	
	FUND SOURCE	MATCH	FY12	FY13	FY14	FY15
CN	EB	\$0	\$35,777,196	\$35,570,454	\$36,500,546	\$36,170,426
	IM	\$0	\$21,507,444	\$28,171,292	\$30,594,510	\$43,017,379
	NH	\$0	\$24,401,935	\$37,922,357	\$43,171,252	\$55,733,970
	STP	\$0	\$33,631,155	\$33,655,434	\$33,677,000	\$34,410,259
CN TOTAL		\$0	\$115,317,730	\$135,319,537	\$143,943,308	\$169,332,034
MPO Note						

GROUPING		Maintenance : Preventive Maintenance for Bridges				
PROGRAM NOTE		Funding identified to be obligated statewide as projects are identified.				
ROUTE/STREET					TOTAL COST	
	FUND SOURCE	MATCH	FY12	FY13	FY14	FY15
CN	BR	\$0	\$51,002,946	\$52,580,173	\$67,177,442	\$65,942,659
MPO Note						

GROUPING		Maintenance : Traffic and Safety Operations				
PROGRAM NOTE		Funding identified to be obligated statewide as projects are identified.				
ROUTE/STREET					TOTAL COST	
	FUND SOURCE	MATCH	FY12	FY13	FY14	FY15
CN	EB	\$0	\$7,945,311	\$8,143,944	\$8,347,542	\$8,556,231
	NH	\$0	\$12,856,260	\$13,177,666	\$13,507,108	\$13,844,785
	STP	\$0	\$5,184,000	\$5,313,600	\$5,446,440	\$5,582,601
CN TOTAL		\$0	\$25,985,571	\$26,635,210	\$27,301,090	\$27,983,617
MPO Note						

GROUPING		N/A – Non MPO Not Grouping				
ROUTE/STREET					TOTAL COST	\$3,504,624
	FUND SOURCE	MATCH	FY12	FY13	FY14	FY15
PE	IM	\$35,046	\$0	\$0	\$0	\$315,416
MPO Note						

## Appendix A

### Projects by Grouping

#### Roanoke MPO

#### Construction : Bridge Rehabilitation/Replacement/Reconstruction

System	UPC	Jurisdiction / Name / Description	Street(Route)	Estimate
Primary	77300	Botetourt County RTE 11 - REPLACE STRUCTURE OVER TINKER CREEK (STR#1012) 0.15 MILE EAST ROUTE 1039 (0.0900 MI)	0011	\$3,023,583
Primary	77302	Botetourt County RTE 11 - REPLACE STRUCTURE OVER TINKER CREEK (STR# 1013) 0.38 MILE EAST ROUTE 822 (0.0900 MI)	0011	\$2,149,224
Primary	77305	Roanoke County RTE 116 - BRIDGE REPLACEMENT OVER BACK CREEK 0.10 MILE NORTH ROUTE 939 (0.2400 MI)	0116	\$3,216,358
Primary	82193	Roanoke County ROUTE 220 - BRIDGE OVER BACK CREEK - STRUCTURE #1039 FROM: 4.45 MI ROUTE 419 TO: 3.68 MI FRANKLIN COUNTY LINE	0220	\$4,888,980
Secondary	90086	Botetourt County RTE. 738 - BRIDGE REPLACEMENT (STRS. 6142 & 6143) Bridge Replacement Over Glade Creek	0738	\$3,494,798
Secondary	52803	Botetourt County RTE 779 - INT IMPROVEMENTS & BRIDGE OVER TINKER CREEK FROM: 0.19 MILE EAST ROUTE 672 EAST TO: 0.24 MILE WEST ROUTE 672 EAST (0.4213 MI)	CATAWBA RD (0779)	\$6,543,715
Secondary	17993	Botetourt County RTE 738 - BRIDGE REPLACEMENT FROM: 0.043 MILE SOUTH ROUTE 607 NORTH TO: 0.069 MILE NORTH ROUTE 607 NORTH (0.1120 MI)	WEBSTER BRICK ROAD (0738)	\$1,809,339
Secondary	92700	Salem District-wide ARRA Salem District 2009 Design Build - Culverts FROM: Districtwide TO: Districtwide STIP Amd FFY09-13 to add \$68,145 PE & \$613,305 CN Phase ARRA Funds FFY09.	0000	\$788,100
Urban	78751	Salem RTE 11 (Colorado St.) Bridge Replacement over Roanoke River COLORADO STREET OVER ROANOKE RIVER	0011	\$4,875,075
Urban	76677	Vinton replace bridge and approaches over Glade Creek FROM: 0.136 Miles West of 5th St. TO: 0.044 Miles East of 5th St. (0.1520 MI)	WALNUT AVENUE (U000)	\$2,079,876

**Roanoke MPO****Construction : Safety/ITS/Operational Improvements**

System	UPC	Jurisdiction / Name / Description	Street(Route)	Estimate
Interstate	82093	Statewide SMART TRAVEL & TRAFFIC MANAGEMENT SYSTEM FROM: SALEM & STAUNTON DISTRICT TO: FY07 SAFETEALU EARMARK PROJECT		\$514,480
Interstate	75910	Botetourt County RTE 81 - IMPROVEMENTS FOR SAFETY & CONGESTION AT EXIT 150 FROM: 0.15 MILE NORTH ROUTE 1039 (AT NS RR) TO: ROUTE 653 (1.6500 MI)	0081	\$24,858,010
Interstate	79039	Botetourt County RTE 81 - INTERIM SAFETY/OPERATIONAL IMPROVEMENTS AT EXIT 150 AT EXIT 150	0081	\$1,544,951
Interstate	92691	Botetourt County ARRA Botetourt I-81 Undersealing/Paving/Guardrail Upgrades FROM: Rte. 779 Bridge TO: Rte. 640 Bridge (9.6400 MI) STIP Amd FFY09-13 to add \$18,368,863 CN Phase ARRA Funds FFY09.	0081	\$19,457,862
Interstate	93082	Botetourt County RTE. 81 - PAVING & GUARDRAIL UPGRADES AT EXIT 150 FROM: Interchange area TO: at Exit 150	0081	\$1,819,628
Interstate	53095	Roanoke County RTE 81 - WIDEN FROM 4 TO 8 LANES - PE ONLY FROM: 0.75 MILE NORTH OF THOMPSON MEMORIAL DRIVE(ROUTE 311)MP 140 TO: 0.786 MI.SOUTH OF INTERSTATE ROUTE 581 MP 143.1 (2.2000 MI)	0081	\$196,442,639
Interstate	68718	Salem District-wide RTE 81 - PROJECT DEVELOPMENT & MANAGEMENT SALEM DISTRICTWIDE	0081	\$645,966
Interstate	80518	Roanoke RTE 581 - INTERIM SAFETY/OPER. IMPROVE AT ELM AVE - PE ONLY FROM: EXIT RAMPS ACCESSING ELM AVENUE TO: WILLIAMSON RD. TO 0.042 MI. E. 4TH ST., SE ON ELM AVE (0.2440 MI)	0581	\$12,664,661
Miscellaneous	52417	Salem District-wide MOTORIST ASSISTANCE UNIT - DISTRICTWIDE DISTRICTWIDE		\$147,000
Miscellaneous	93194	Roanoke Roanoke City - Monterey ES to Breckinridge MS - SRTS Project FROM: from Winslow Drive and Preston Ave TO: Oliver Road and Oaklawn Drive	PRESTON AVE AND OLIVER ROAD (0000)	\$474,188
Miscellaneous	81423	Salem District-wide DISTRICTWIDE TRAFFIC SIGNALS AND ITS - SALEM FY07 HSIP PROJECT	0000	\$0
Miscellaneous	93174	Statewide SafetyAnalyst Project FROM: various TO: various	0000	\$225,000
Primary	98386	Roanoke County RTE. 220 - Replace Signal at Wal-mart FROM: intersection of TO: Rte. 220 and Wal-mart	FRANKLIN ROAD (0220)	\$275,000

**Roanoke MPO****Construction : Safety/ITS/Operational Improvements**

System	UPC	Jurisdiction / Name / Description	Street(Route)	Estimate
Primary	95658	Roanoke County Rte. 419 - Upgrade SR419/221 Signal FROM: Rte. 419 Electric Road TO: Rte. 221 Brambleton Ave (0.2000 MI)	ELECTRIC RD (0419)	\$372,085
Secondary	18721	Botetourt County RTE 652 - RECONSTRUCTION (CURVE IMPROVEMENTS) FROM: 0.06 MILE WEST ROUTE 653 TO: 0.07 MILE EAST ROUTE 653 (0.1300 MI)	0652	\$896,650
Secondary	18719	Botetourt County RTE 652 - RECONSTRUCTION (CURVE IMPROVEMENTS) FROM: 0.09 MILE WEST ROUTE 658 SOUTH TO: 0.06 MILE EAST ROUTE 658 SOUTH (0.1500 MI)	MOUNTAIN PASS RD (0652)	\$1,243,233
Secondary	15189	Roanoke County RTE 720 - RECONSTRUCTION FROM: 0.05 MILE WEST ROUTE 687 TO: ROUTE 419 (0.5800 MI)	COLONIAL AVENUE (0720)	\$7,123,769
Secondary	15190	Roanoke County RTE 688 - RECONSTRUCTION FROM: 0.09 MILE SOUTH ROUTE 221 TO: 0.15 MILE SOUTH ROUTE 934 (0.6100 MI)	COTTON HILL RD (0688)	\$5,137,080
Secondary	3672	Roanoke County RTE 601 - RECONSTRUCTION & BRIDGE OVER TINKER CREEK FROM: ROUTE 115 TO: 0.982 KM SOUTH OF ROUTE 627 (2.5700 KM)	HOLLINS ROAD (0601)	\$13,355,179
Secondary	15187	Roanoke County RTE 1662 - RECONSTRUCTION & REPLACE BRIDGE OVER MUD LICK CK FROM: INT. OF ROUTE 1663 TO: INT. OF ROUTE 419 (0.4680 MI)	MCVITTY ROAD (1662)	\$10,315,603
Secondary	18723	Roanoke County RTE 613 - RECONST. & WIDEN DRAINAGE STRUCTURE AT STREAM FROM: 0.1 MILE SOUTH ROUTE 904 (STARKEY ROAD) TO: ROUTE 1640 (PINE ACRES LANE) (1.3100 MI)	MERRIMAN ROAD (0613)	\$299,328
Urban	80562	Roanoke SIGNALS & ITS - PHASE II MISC.		\$108
Urban	86672	Roanoke HSIP Proactive Safety Projects City of Roanoke various	0000	\$0
Urban	87187	Roanoke ROANOKE CITY - SRTS PROJECT - ADDISON MIDDLE SCHOOL FROM: Area within 1.2 miles of Addison MS TO: Area within 1.2 miles of Addison MS	0000	\$325,982
Urban	71725	Roanoke 10TH STREET - CONSTRUCT 2-STAGE X-ING WITH WARNING DEVICES FROM: 130' S. Syracuse Ave. TO: 110' S. Syracuse Ave.	10TH STREET	\$69,987
Urban	80558	Roanoke RTE. U000 - CORRIDOR IMPROVEMENTS ON HERSHBERGER ROAD FROM: Cove Road TO: Rutgers St.	HERSHBERGER RD.	\$1,124,703

**Roanoke MPO****Construction : Safety/ITS/Operational Improvements**

System	UPC	Jurisdiction / Name / Description	Street(Route)	Estimate
Urban	93116	Roanoke Hershberger Road Landscaping FROM: Cove Road TO: Rutgers St	HERSHBERGER ROAD (0000)	\$1,000,000
Urban	80560	Roanoke DEVELOP NORFOLK AVENUE TO URBAN 3 LANES FROM: CAMPBELL AVE. TO: WISE AVE.	NORFOLK AVE.	\$960
Urban	80561	Roanoke DEVELOP ORANGE AVENUE TO URBAN 6 LANES FROM: 11TH ST., N.E. TO: 0.500 MI. E. GUS W. NICKS BLVD. (1.5500 MI)	ORANGE AVE. (U000)	\$50,256,428
Urban	95178	Roanoke US 460/ Blue Hills E/WB LT Lanes and signal FROM: US460 @ Blue HillsDr & TO: Mexico Way (0.2500 MI)	ORANGE AVE. (0460)	\$300,000
Urban	71741	Roanoke RIVERLAND ROAD - INTERSECTION IMPROVEMENT FROM: 0.021 Mi. West of Int. with Garden City Blvd. TO: 0.161 Mi. East of Int. with Bennington Street (0.3320 MI)	RIVERLAND ROAD (0116)	\$7,913,578
Urban	80557	Roanoke RTE. VAR - INTERSECTION IMPROVEMENTS TO INCL TURN LANES VARIOUS LOCATIONS	VARIOUS	\$607
Urban	19029	Roanoke TRAFFIC/SAFETY IMPROVEMENTS FROM: COLONIAL AVENUE TO: BRANDON AVENUE (0.3000 MI)	WONJU STREET	\$3,159,680
Urban	97199	Salem Salem - SRTS - Lewis MS - Sidewalks FROM: 4th and S College Ave TO: Walnut and Pennsylvania	4TH ST., 3RD ST, VIRGINIA AND WALNUT (0000)	\$76,544
Urban	8753	Salem RTE 460 - WIDEN TO 3 LANES WITH CURB & SIDEWALK FROM: ROUTE 311 - THOMPSON MEMORIAL BLVD TO: 0.05 MILE EAST INTERSECTION KESSLER MILL ROAD (1.2300 MI)	EAST MAIN STREET (0460)	\$10,948,539
Urban	86530	Salem Woodbridge Safety Corridor Shared Use Path FROM: Mill Lane TO: Kingsmill Drive	RIVERSIDE DRIVE (0000)	\$196,432
Urban	93160	Vinton Rte. U000 - Walnut Ave. Int. Improvement at 8th St. FROM: at 8th TO: Street	WALNUT AVE. (0000)	\$1,039,738

**Construction : Transportation Enhancement/Byway/Non-Traditional**

System	UPC	Jurisdiction / Name / Description	Street(Route)	Estimate
Enhancement	93201	Roanoke ARRA - City of Roanoke, Roanoke River Greenway FROM: Existing Parking Lot at 13th Street TO: Existing Tinker Creek Trail		\$1,400,000

## Roanoke MPO

## Construction : Transportation Enhancement/Byway/Non-Traditional

System	UPC	Jurisdiction / Name / Description	Street(Route)	Estimate
Enhancement	91191	Roanoke County Construction of a Roanoke River Greenway Trail		\$230,000
Enhancement	97171	Roanoke County Roanoke Co, Roanoke River Grnway, Green Hill Pk to Mill Ln		\$3,499,166
Enhancement	92944	Salem City of Salem, Roanoke River Greenway FROM: Colorado Street TO: Rotary Park at Route 419		\$687,876
Enhancement	93200	Salem ARRA- City of Salem, Roanoke River Greenway FROM: Mill Lane TO: Eddy Street		\$600,000
Enhancement	98229	Salem Salem Roanoke River Greenway Ph. C504 (2C Moyer Connector)		\$350,000
Urban	59794	Roanoke CITY OF ROANOKE - RENOVATION OF N&W RAILWAY STATION USE OF PASSENGER STATION FOR VISITOR'S CENTER AND MUSEUM		\$1,244,668
Urban	72180	Roanoke CITY OF ROANOKE - ROANOKE RIVER GREENWAY WITHIN THE CITY OF ROANOKE LIMITS		\$2,355,000
Urban	75255	Roanoke CITY OF ROANOKE - THE O. WINSTON LINK MUSEUM DESIGN AND CONSTRUCTION OF VARIOUS MUSEUM COMPONENTS		\$193,750
Urban	72794	Roanoke DR.MLK,JR. DR. MLK, JR.BRIDGE REPLACEMENT FROM: SALEM AVENUE TO: CENTRE AVENUE (0.1000 MI)		\$2,089,599
Urban	72658	Salem MASON CREEK GREENWAY - 5 MILE BICYCLE/PEDESTRIAN TRAIL FROM: West side of Mason Creek @ Lynchburg Turnpike TO: Roanoke Boulevard		\$1,242,625
Urban	56409	Salem CITY OF SALEM - CONSTRUCTION OF 7 MILE BICYCLE/PEDESTRIAN FROM: Western limits of Green Hill Park, Roanoke County TO: Eastern corporate limits of City of Salem (7.0000 MI)		\$1,005,003

## Maintenance : Preventive Maintenance and System Preservation

System	UPC	Jurisdiction / Name / Description	Street(Route)	Estimate
Miscellaneous	T4152	Statewide PREVENTATIVE MAINTENANCE AND SYSTEMS OPERATIONS Funding Identified to be Obligated Statewide as Projects are Identified	SOPS	\$0

## Maintenance : Preventive Maintenance for Bridges

System	UPC	Jurisdiction / Name / Description	Street(Route)	Estimate
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**Roanoke MPO**

**Maintenance : Preventive Maintenance for Bridges**

System	UPC	Jurisdiction / Name / Description	Street(Route)	Estimate
Miscellaneous	T3748		SOPS	\$0
		BRIDGE SAFETY INSPECTION REHABILITATION AND RECONSTRUCTION		
		Funding Identified to be Obligated Statewide as Projects are Identified		

**Maintenance : Traffic and Safety Operations**

System	UPC	Jurisdiction / Name / Description	Street(Route)	Estimate
Miscellaneous	T3746		SOPS	\$0
		TRAFFIC AND SAFETY OPERATIONS		
		Funding Identified to be Obligated Statewide as Projects are Identified.		



**APPENDIX B**  
**Ungrouped Projects**

## Roanoke MPO Interstate Projects

UPC NO	97577		SCOPE	NEW BRIDGE		
SYSTEM	Interstate	JURISDICTION	Botetourt County		OVERSIGHT	FO
PROJECT	Route 11 Bridge Botetourt County STR#3212				ADMIN BY	VDOT
DESCRIPTION	FROM: Route 11 Corridor TO: Route 11 Corridor					
ROUTE/STREET	0011				TOTAL COST	\$4,622,664
	FUND SOURCE	MATCH	FY12	FY13	FY14	FY15
PE	IM	\$46,227	\$0	\$0	\$0	\$416,039
MPO Note						

UPC NO	80056		SCOPE	R/W OR ENG		
SYSTEM	Interstate	JURISDICTION	Roanoke County		OVERSIGHT	NFO
PROJECT	RTE 73 - ROANOKE COUNTY - PARTIAL PE ONLY				ADMIN BY	VDOT
DESCRIPTION	I-73 - ROANOKE COUNTY					
ROUTE/STREET	0073				TOTAL COST	\$408,326,339
	FUND SOURCE	MATCH	FY12	FY13	FY14	FY15
PE	SAFETEA-LU	\$492,560	\$1,970,239	\$0	\$0	\$0
MPO Note						

UPC NO	16596		SCOPE	STUDIES ONLY		
SYSTEM	Interstate	JURISDICTION	Salem District-wide		OVERSIGHT	FO
PROJECT	RTE 73 - PROPOSED CORRIDOR LOCATION ALIGNMENT - PE ONLY				ADMIN BY	VDOT
DESCRIPTION	FROM: ROANOKE TO: NORTH CAROLINA STATE LINE					
ROUTE/STREET	0073				TOTAL COST	\$11,000,000
	FUND SOURCE	MATCH	FY12	FY13	FY14	FY15
		\$0	\$0	\$0	\$0	\$0
MPO Note						

UPC NO	53097		SCOPE	MAJOR WIDENING		
SYSTEM	Interstate	JURISDICTION	Botetourt County		OVERSIGHT	FO
PROJECT	RTE 81 - WIDEN FROM 4 TO 8 LANES - PE & RW ONLY				ADMIN BY	VDOT
DESCRIPTION	FROM: 0.28 MILE SOUTH OF ROUTE 648 MP 147.45 TO: 0.79 MILE NORTH OF ROUTE 779E 220 - MP 152.4 (4.9000 MI)					
ROUTE/STREET	0081				TOTAL COST	\$9,378,934
	FUND SOURCE	MATCH	FY12	FY13	FY14	FY15
PE AC		\$0	\$235,481	\$0	\$0	\$0
RW AC		\$0	\$293,130	\$0	\$0	\$0
MPO Note						

UPC NO	16591	SCOPE	MAJOR WIDENING			
SYSTEM	Interstate	JURISDICTION	Roanoke County		OVERSIGHT	FO
PROJECT	RTE 81 - WIDEN FROM 4 TO 8 LANES - PE ONLY				ADMIN BY	VDOT
DESCRIPTION	FROM: 0.047 MILE NORTH OF BUTT HOLLOW ROAD (ROUTE 641) MP 135.9 TO: 0.200 MILE NORTH OF GOODWIN AVENUE (ROUTE 635)MP 138.6 (2.5660 MI)					
ROUTE/STREET	0081				TOTAL COST	\$120,340,779
	FUND SOURCE	MATCH	FY12	FY13	FY14	FY15
		\$0	\$0	\$0	\$0	\$0
MPO Note						

UPC NO	16593	SCOPE	MAJOR WIDENING			
SYSTEM	Interstate	JURISDICTION	Roanoke County		OVERSIGHT	FO
PROJECT	RTE 81 - WIDEN FROM 4 TO 8 LANES - PE & RW ONLY				ADMIN BY	VDOT
DESCRIPTION	FROM: 0.881 MILE NORTH OF INTERSTATE ROUTE 581 MP 144.5 TO: 0.280 MILE SOUTH OF ROUTE 648 MP 147.45 (3.0000 MI)					
ROUTE/STREET	0081				TOTAL COST	\$105,536,017
	FUND SOURCE	MATCH	FY12	FY13	FY14	FY15
		\$0	\$0	\$0	\$0	\$0
MPO Note						

UPC NO	53094	SCOPE	MAJOR WIDENING			
SYSTEM	Interstate	JURISDICTION	Roanoke County		OVERSIGHT	FO
PROJECT	RTE 81 - WIDEN FROM 4 TO 8 LANES - PE ONLY				ADMIN BY	VDOT
DESCRIPTION	FROM: 0.20 MILE NORTH OF GOODWIN AVENUE(ROUTE 635) MP 138.6 TO: 0.75 MILE NORTH OF THOMPSON MEMORIAL DRIVE(RTE 311)MP 140.9 (2.5000 MI)					
ROUTE/STREET	0081				TOTAL COST	\$150,490,399
	FUND SOURCE	MATCH	FY12	FY13	FY14	FY15
		\$0	\$0	\$0	\$0	\$0
MPO Note						

UPC NO	53096	SCOPE	MAJOR WIDENING			
SYSTEM	Interstate	JURISDICTION	Roanoke County		OVERSIGHT	FO
PROJECT	RTE 81 - WIDEN FROM 4 TO 8 LANES - PE ONLY				ADMIN BY	VDOT
DESCRIPTION	FROM: 0.786 MILE SOUTH OF INTERSTATE ROUTE 581 MP 143.1 TO: 0.881 MILE NORTH OF INTERSTATE ROUTE 581 MP 144.5 (1.6670 MI)					
ROUTE/STREET	0081				TOTAL COST	\$259,668,602
	FUND SOURCE	MATCH	FY12	FY13	FY14	FY15
		\$0	\$0	\$0	\$0	\$0
MPO Note						

UPC NO	97560	SCOPE	NEW BRIDGE			
SYSTEM	Interstate	JURISDICTION	Roanoke County		OVERSIGHT	FO
PROJECT	Route 81 SB Ramp to 581 SBL Roanoke County STR#14891				ADMIN BY	VDOT
DESCRIPTION	FROM: Route 81 SB Ramp to 581 SBL TO: Route 81 SB Ramp to 581 SBL					
ROUTE/STREET	0081				TOTAL COST	\$10,497,749
	FUND SOURCE	MATCH	FY12	FY13	FY14	FY15
PE	IM	\$104,977	\$0	\$0	\$0	\$944,797
MPO Note						

UPC NO	97576	SCOPE	NEW BRIDGE				
SYSTEM	Interstate	JURISDICTION	Roanoke County			OVERSIGHT	FO
PROJECT	Route 112 Wildwood Road Roanoke County STR#14865					ADMIN BY	VDOT
DESCRIPTION	FROM: Route 112 Wildwood Road Corridor TO: Route 112 Wildwood Road Corridor						
ROUTE/STREET	0112					TOTAL COST	\$5,960,012
	FUND SOURCE	MATCH	FY12	FY13	FY14	FY15	
PE	IM	\$59,600	\$0	\$0	\$0	\$536,401	
MPO Note							

UPC NO	97580	SCOPE	NEW BRIDGE				
SYSTEM	Interstate	JURISDICTION	Roanoke County			OVERSIGHT	FO
PROJECT	Route 112 Wildwood RD I-81 NBL STR#14863					ADMIN BY	VDOT
DESCRIPTION	FROM: Route 112 Wildwood RD. I-81 NBL TO: Route 112 Wildwood RD I-81 NBL						
ROUTE/STREET	0112					TOTAL COST	\$5,960,012
	FUND SOURCE	MATCH	FY12	FY13	FY14	FY15	
PE	IM	\$59,600	\$0	\$0	\$0	\$536,401	
MPO Note							

UPC NO	16595	SCOPE	NEW CONSTRUCTION				
SYSTEM	Interstate	JURISDICTION	Roanoke			OVERSIGHT	FO
PROJECT	RTE 581 - VALLEY VIEW INTERCHANGE PHASE II					ADMIN BY	VDOT
DESCRIPTION	FROM: 0.240 MI. S. ROUTE 101 (HERSHBERGER ROAD) TO: 1.561 MI. S. ROUTE 101 (HERSHBERGER ROAD) (1.3200 MI)						
ROUTE/STREET	0581					TOTAL COST	\$70,960,919
	FUND SOURCE	MATCH	FY12	FY13	FY14	FY15	
PE AC		\$20,089	\$80,354	\$0	\$0	\$0	
MPO Note							

UPC NO	94089	SCOPE	SAFETY/TRAFFIC OPERS/TSM				
SYSTEM	Interstate	JURISDICTION	Roanoke			OVERSIGHT	FO
PROJECT	ARRA RTE. 581 - at Elm Ave. (Design-Build)					ADMIN BY	VDOT
DESCRIPTION	FROM: Exit Ramps accessing Elm Ave. TO: Williamson Rd. to 0.042 Mi. E. 4th St., SE on Elm Ave. (0.2440 MI)						
ROUTE/STREET	0581					TOTAL COST	\$19,446,796
	FUND SOURCE	MATCH	FY12	FY13	FY14	FY15	
		\$0	\$0	\$0	\$0	\$0	
MPO Note							

UPC NO	97581	SCOPE	NEW BRIDGE				
SYSTEM	Interstate	JURISDICTION	Roanoke County			OVERSIGHT	FO
PROJECT	Route 641 Texas Hollow RD Roanoke County STR#14861					ADMIN BY	VDOT
DESCRIPTION	FROM: Route 641 Texas Hollow RD Corridor TO: Route 641 Texas Hollow RD Corridor						
ROUTE/STREET	0641					TOTAL COST	\$3,569,127
	FUND SOURCE	MATCH	FY12	FY13	FY14	FY15	
PE	IM	\$35,691	\$0	\$0	\$0	\$321,221	
MPO Note							

## Roanoke MPO Primary Projects

UPC NO	17698	SCOPE	RECONSTRUCTION			
SYSTEM	Primary	JURISDICTION	Roanoke County	OVERSIGHT	NFO	
PROJECT	RTE 11/460 - Widen to 4-LN w/curb, gutter, and raised median			ADMIN BY	VDOT	
DESCRIPTION	FROM: .055 MI. E. OF WCL SALEM TO: 0.10 MILE WEST ROUTE 830 (2.1880 MI)					
ROUTE/STREET	W.MAIN ST. (0011)			TOTAL COST	\$45,375,326	
	FUND SOURCE	MATCH	FY12	FY13	FY14	FY15
RW	STP	\$92,012	\$368,048	\$0	\$0	\$0
MPO Note						

UPC NO	87694	SCOPE	DEMOLITION OF BLDGS, BRIDGES, ETC.			
SYSTEM	Primary	JURISDICTION	Roanoke County	OVERSIGHT	NFO	
PROJECT	RTE. 11 - DEMOLITION			ADMIN BY	VDOT	
DESCRIPTION	Parcels 44, 45 & 57 on Rte. 11					
ROUTE/STREET	W. MAIN (0011)			TOTAL COST	\$58,411	
	FUND SOURCE	MATCH	FY12	FY13	FY14	FY15
RW AC		\$2,038	\$8,150	\$0	\$0	\$0
MPO Note						

UPC NO	50006	SCOPE	RECONSTRUCTION			
SYSTEM	Primary	JURISDICTION	Roanoke County	OVERSIGHT	NFO	
PROJECT	RTE 221 - RECONSTRUCT TO 4 LANES - RW			ADMIN BY	VDOT	
DESCRIPTION	FROM: 0.035 KILOMETER SOUTH ROUTE 688 TO: 1.478 KILOMETER NORTH ROUTE 688 (1.5120 KM)					
ROUTE/STREET	0221			TOTAL COST	\$2,965,707	
	FUND SOURCE	MATCH	FY12	FY13	FY14	FY15
		\$0	\$0	\$0	\$0	\$0
MPO Note						

UPC NO	95812	SCOPE	RECONSTRUCTION			
SYSTEM	Primary	JURISDICTION	Roanoke County	OVERSIGHT	NFO	
PROJECT	ARRA - Roanoke 221 Reconstruct to 4 Lanes (CN Phase only)			ADMIN BY	VDOT	
DESCRIPTION	FROM: 0.035 Km. S. Rte. 688 TO: 1.478 Km. N. Rte. 688 (1.5120 KM)					
ROUTE/STREET	0221			TOTAL COST	\$25,364,476	
	FUND SOURCE	MATCH	FY12	FY13	FY14	FY15
		\$0	\$0	\$0	\$0	\$0
MPO Note						

UPC NO	96139	SCOPE	RECONSTRUCTION			
SYSTEM	Primary	JURISDICTION	Roanoke County	OVERSIGHT	NFO	
PROJECT	ARRA-C Roanoke 221 Reconstruct to 4 Lanes (CN Phase Only)			ADMIN BY	VDOT	
DESCRIPTION	FROM: 0.035 km. S. Rte. 688 TO: 1.478 km N. Rte. 688 (1.5120 KM)					
ROUTE/STREET	0221			TOTAL COST	\$2,415,574	
	FUND SOURCE	MATCH	FY12	FY13	FY14	FY15
		\$0	\$0	\$0	\$0	\$0
MPO Note						

## Roanoke MPO Urban Projects

UPC NO	688		SCOPE	RECONSTR. WITH ADDED CAPACITY			
SYSTEM	Urban	JURISDICTION	Roanoke		OVERSIGHT	NFO	
PROJECT	13TH STREET AND HOLLINS ROAD				ADMIN BY	VDOT	
DESCRIPTION	FROM: JAMISON AVE TO: .08 MILE NORTH INT. ORANGE AVENUE (0.9790 MI)						
ROUTE/STREET	13TH ST/ HOLLINS RD				TOTAL COST	\$39,010,904	
	FUND SOURCE	MATCH	FY12	FY13	FY14	FY15	
CN	EB	\$993,160	\$0	\$3,972,638	\$0	\$0	
	STP	\$26,124	\$0	\$104,497	\$0	\$0	
CN TOTAL		\$1,019,284	\$0	\$4,077,135	\$0	\$0	
MPO Note							

UPC NO	52076		SCOPE	RECONSTRUCTION			
SYSTEM	Urban	JURISDICTION	Salem		OVERSIGHT	NFO	
PROJECT	RTE 11 - APPERSON DR - INTERSECTION IMPROVEMENTS				ADMIN BY	VDOT	
DESCRIPTION	AT ROUTE 419 (ELECTRIC ROAD) (0.3000 MI)						
ROUTE/STREET	APPERSON DRIVE (0011)				TOTAL COST	\$36,388,155	
	FUND SOURCE	MATCH	FY12	FY13	FY14	FY15	
PE	BR	\$312,958	\$1,251,832	\$0	\$0	\$0	
	STP	\$195,077	\$780,308	\$0	\$0	\$0	
PE TOTAL		\$508,035	\$2,032,140	\$0	\$0	\$0	
PE AC		\$0	\$182,771	\$0	\$0	\$0	
MPO Note							

UPC NO	12532		SCOPE	MAJOR WIDENING			
SYSTEM	Urban	JURISDICTION	Salem		OVERSIGHT	NFO	
PROJECT	RTE 460 - WIDEN TO 4 LNS, CURB, GUTTER, SWLK, REPLACE BR				ADMIN BY	VDOT	
DESCRIPTION	FROM: 0.013 MILE EAST OF KESSLER MILL ROAD TO: 0.145 MILE EAST ROUTE 419 (NORTH) (ELECTRIC ROAD) (0.3800 MI)						
ROUTE/STREET	EAST MAIN STREET (0460)				TOTAL COST	\$7,588,684	
	FUND SOURCE	MATCH	FY12	FY13	FY14	FY15	
		\$0	\$0	\$0	\$0	\$0	
MPO Note							

**APPENDIX C**  
**Resolution Approving Final TIP 2012-2015 and**  
**Self-Certification Statement**



Roanoke Valley Area  
**Metropolitan Planning Organization**

313 Luck Avenue, SW / PO Box 2569 / Roanoke, Virginia 24010  
TEL: 540.343.4417 / FAX: 540.343.4416 / [www.rvarc.org](http://www.rvarc.org) / [rvarc@rvarc.org](mailto:rvarc@rvarc.org)

The 23<sup>rd</sup> day of June, 2011

**RESOLUTION**

**Approving the Final Transportation Improvement Program  
for Federal Fiscal Years 2012, 2013, 2014 and 2015 for the Roanoke Urban Area**

**WHEREAS**, it is the position of the Roanoke Valley Area Metropolitan Planning Organization that projects proposed for improving transportation in the Roanoke urban area should be examined closely; and

**WHEREAS**, the *Transportation Improvement Program* has been prepared to initiate review by the Roanoke Valley Area Metropolitan Planning Organization of proposed transportation improvements for fiscal years 2012, 2013, 2014 and 2015; and

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

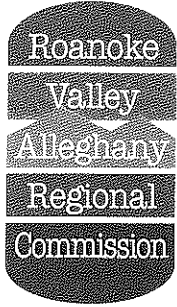
**WHEREAS**, the *Transportation Improvement Program* is required to be submitted to the Virginia Department of Transportation for inclusion in the State Transportation Improvement Program; and

**WHEREAS**, the Transportation Technical Committee has reviewed this document and has recommended that the Roanoke Valley Area Metropolitan Planning Organization forward the *Transportation Improvement Program* to the Virginia Department of Transportation for inclusion in the State Transportation Improvement Program;

**THEREFORE BE IT RESOLVED** that the Roanoke Valley Area Metropolitan Planning Organization does hereby approve the *2012-2015 Transportation Improvement Program*, as presented.

David B. Trinkle  
Chairman





Roanoke Valley Area

# Metropolitan Planning Organization

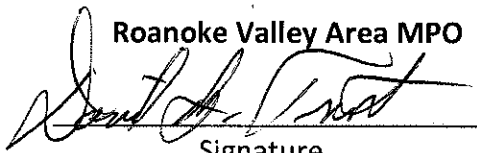
313 Luck Avenue, SW / PO Box 2569 / Roanoke, Virginia 24010

TEL: 540.343.4417 / FAX: 540.343.4416 / www.rvarc.org / rvarc@rvarc.org

## STATEMENT OF CERTIFICATION ROANOKE URBANIZED AREA

The Roanoke Valley Area Metropolitan Planning Organization (MPO) and the Virginia Department of Transportation (VDOT) hereby certify and attest that the transportation planning process conducted within the Roanoke urbanized area is addressing the major issues in the metropolitan planning area and is being conducted in accordance with all applicable requirements of:

- (1) 23 U.S.C. 134 and 135, 49 U.S.C. 5303, 5304, and 23 CFR part 530;
- (2) Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d-1) & 49 CFR part 21;
- (3) 49 U.S.C. 5332, prohibiting discrimination on the basis of race, color, creed, national origin, sex, or age in employment or business opportunity;
- (4) Section 1101(b) of the SAFETEA-LU (Pub. L. 109-59) and 49 CFR part 26 regarding the involvement of disadvantaged business enterprises in USDOT funded projects;
- (5) 23 CFR part 230, regarding implementation of an equal employment opportunity program on Federal and Federal-aid highway construction contracts;
- (6) 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;
- (7) In States containing 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;
- (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.

**Roanoke Valley Area MPO**  
  
 Signature

**David B. Trinkle**  
 Printed Name

**Roanoke MPO Chairman**  
 Title

**June 23, 2011**  
 Date

**Virginia Department of Transportation**  
  
 Signature

**Richard L. Coywood**  
 Printed Name

**District Administrator**  
 Title

**June 24, 2011**  
 Date

**APPENDIX D**  
**Amendments**



The 22<sup>nd</sup> day of August, 2013

## RESOLUTION

### Approving Amendment #1 to the Roanoke Valley Area FY 2012-2015 Transportation Improvement Program

**WHEREAS**, the Roanoke Valley Area Metropolitan Planning Organization approved the *FY 2012-2015 Transportation Improvement Program* on June 23, 2011; and

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

**WHEREAS**, public input has been sought in amending the *FY 2012-2015 Transportation Improvement Program* in accordance with the Roanoke Valley Area Metropolitan Planning Organization's *Public Participation Plan* approved/updated on June 28, 2007; and

**WHEREAS**, Amendment #1 of the *FY 2012-2015 Transportation Improvement Program* includes the following projects affecting the MPO Service Area:

Salem District-wide: UPC 101024/UPC 105014 - Impacts of Freight Intermodal Center – Transportation & Economic Study, \$200,000.

Botetourt County: UPC 105021 - Botetourt and Roanoke County Greenway Connectivity Study, \$85,000.

Town of Vinton: UPC 93160 - Walnut Ave Int. Improvement at 8<sup>th</sup> St., \$2,435,000.

Town of Vinton: UPC 105017 - Glade/Tinker Creek Greenway Bridge, \$1,800,000.

City of Salem: UPC 56409 – Construction of 7 mile bicycle/pedestrian, \$15,619,000.

City of Salem: UPC 105206 – Apperson Drive bridge sidewalk expansion, \$657,000.

Roanoke County: UPC 17698 - Route 11/460 widening to 4-lane with curb, gutter, and raised median, \$43,633,000.

Roanoke County: UPC 91191 - Roanoke River Greenway, City of Roanoke to Blue Ridge Parkway, \$6,574,000.

Roanoke County: UPC 97171 - Roanoke River Greenway, Green Hill Park to Mill Lane to Riverside Park, \$6,490,000.

Roanoke County: UPC 99542 - Route 81 Exit 140 Park 'N Ride Facility Expansion, \$1,608,000.

Roanoke County: UPC 103607 - Plantation Road Streetscape Improvements, \$4,786,000.

City of Roanoke: UPC 102769 - Roanoke River Greenway (Bridge St. to Salem), \$5,864,000.

City of Roanoke: UPC 105015 - Downtown Roanoke Multimodal Transportation Study, \$300,000.

City of Roanoke: UPC 105019 - Downtown Roanoke Signal Coordination, \$1,500,000.

City of Roanoke: UPC 105020 - Tinker Creek Greenway Corridor Planning Study, \$250,000.

City of Roanoke: UPC 105022 - Street Resurfacing in Various Vital Arterials, \$3,500,000.

City of Roanoke: UPC 105023 - Route 24 Bridge over Tinker Creek Reconstruction, \$6,975,000.

Greater Roanoke Transit Company: GRT0037 Transit Enhancements, GRT0038 Preventative Maintenance, and GRT0039 Replacement Bus for Smartway Commuter Service as noted below.

**GRT0037 Transit Enhancements**

Recipient: Greater Roanoke Transit Company

<b>STIP ID:</b>	<b>FY 2014</b>	<b>FY2015</b>	<b>Total Funds FY2012-2015</b>
FTA 5307	24	23	47
Flexible STP	-	-	-
State	3	3	6
Local	3	3	6
<b><i>Year Total</i></b>	<b>30</b>	<b>29</b>	<b>59</b>

**GRT0038 Preventative Maintenance**

Recipient: Greater Roanoke Transit Company

STIP ID:	FY 2014	FY2015	Total Funds FY2012-2015
FTA 5307	587	587	1,174
Flexible STP	-	-	-
State	-	-	-
Local	147	147	294
<b>Year Total</b>	<b>734</b>	<b>734</b>	<b>1,468</b>

**GRT0039 Replacement Bus for Smartway Commuter Service**

Recipient: Greater Roanoke Transit Company

STIP ID:	FY 2014	FY2015	Total Funds FY2012-2015
RSTP	448	-	448
State	112	-	112
Local	-	-	-
<b>Year Total</b>	<b>560</b>	<b>-</b>	<b>560</b>

**WHEREAS**, the MPO's Transportation Technical Committee reviewed the proposed amendment at their August 8, 2013 meeting and recommended approval by the Roanoke Valley Area MPO Policy Board,

**NOW, THEREFORE BE IT RESOLVED**, that the Roanoke Valley Area Metropolitan Planning Organization Policy Board does hereby approve Amendment #1 to the *FY 2012-2015 Transportation Improvement Program*, as presented.



Richard C. Flora, Chairman,  
Roanoke Valley Area Metropolitan Planning  
Organization Policy Board

**APPENDIX E**  
**Adjustments**

# Roanoke Valley Area METROPOLITAN PLANNING ORGANIZATION



Staffed by the  
**REGIONAL**commission

313 Luck Avenue, SW | Roanoke, Virginia 24016  
P: (540)343.4417 | F: (540)343.4416 | roanokempo.org

June 13, 2013

Ms. Marie Berry, Manager of Financial Programming  
Dept. of Rail and Public Transportation  
600 E. Main Street, Suite 2102  
Richmond, Virginia 23219

RE: FY 2012-2015 TIP Adjustment Request

Dear Ms. Berry:

The Roanoke Valley Area Metropolitan Planning Organization (RVAMPO) 2012-2015 Transportation Improvement Program (TIP) has been administratively modified to reflect changes in funding to multiple projects for the Greater Roanoke Transit Company and Roanoke Area Dial-A-Ride (RADAR). These changes were based on your request dated May 31, 2013, which stated that the adoption of the FY 2014-2019 Commonwealth Six-Year Improvement Program necessitated the adjustments to the TIP.

Please find attached the updated Transportation Improvement Program.

Sincerely,

Wayne G. Strickland  
Secretary RVAMPO

Cc: Carl Palmer, Valley Metro  
Stephanie Giles, Valley Metro  
Curtis Andrews, RADAR