

# **ROANOKE VALLEY- ALLEGHANY REGIONAL COMMISSION**



## **FY 2010 Comprehensive Work Program**

**Adopted May 28, 2009**

# Roanoke Valley-Alleghany Regional Commission

## FY 2010 Comprehensive Work Program

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## **STAFF**

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Matt Miller, GISP, Director of Information  
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## OVERVIEW

The annual Comprehensive Work Program is the basis for achieving the objectives and strategies as outlined in the Roanoke Valley Alleghany Regional Commission's Strategic Plan. The Commission strives to maximize its limited staff and resources by developing a comprehensive work plan based on current needs and priorities of the region.

This Work Program is a compilation of projects presented by elected officials, Commission members, Roanoke Valley Area Metropolitan Planning Organization (RVAMPO) members, regional economic development-related organizations and staff. The Commission and RVAMPO reviews and ranks projects according to importance, funding availability, staff time and other constraints. The intent is to obtain the most benefit from the least direct cost to the local governments. Requests not included in this year's work program are added to a list of potential projects for future work programs. These potential projects may be included in next year's work program if the need still exists and funding is available.

The work program is revised annually and may be amended as deemed necessary by the member governments that we serve.

# SERVICE AREA MAP



## ACRONYM DESCRIPTIONS

APA	American Planning Association
ARC	Appalachian Regional Commission
CDBG	Community Development Block Grant
CEDS	Comprehensive Economic Development Strategy
DEQ	Department of Environmental Quality
DHCD	Department of Housing & Community Development
EAP	Early Action Plan
EDA	Economic Development Administration
EPA	Environmental Protection Agency
FEMA	Federal Emergency Management Agency
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
GIS	Geographic Information System
GRTC	Greater Roanoke Transit Company
IMPLAN	Impact Planning Software
ITS	Intelligent Transportation System
LMI-	Low-Moderate Income
LRTDMP	Long Range Transportation Demand Management Plan
MPO	Metropolitan Planning Organization
MSA	Metropolitan Statistical Area
PDC	Planning District Commission
PL	Planning funds ( <i>Virginia Department of Transportation</i> )
PM	Particulate Matter
PRE-NEPA	Pre-National Environmental Policy Act
RADAR	Roanoke Area Dial a Ride
RVARC	Roanoke Valley-Alleghany Regional Commission (Cities of Covington, Roanoke and Salem, Counties of Alleghany, Botetourt, Craig, Franklin and Roanoke and Towns of Clifton Forge, Rocky Mount and Vinton)
RVAMPO	Roanoke Valley Area Metropolitan Planning Organization (Cities of Roanoke and Salem, Counties of Bedford, Botetourt and Roanoke, Town of Vinton)
RVEPC	Roanoke Valley Emergency Planning Committee
SAFETEA-LU	Safe Accountable Flexible, Efficient, Transportation Equity Act: A Legacy for Users
SPR	State Planning Research funds ( <i>Virginia Department of Transportation</i> )
TAZ-UP	Update of Transportation Analysis Zones
TE	Transportation Enhancement
TDM	Transportation Demand Management
TDP	Transit Development Plan
TIP	Transportation Improvement Program
TMA	Transportation Management Area
VAPDC	Virginia Association of Planning District Commissions
VDOT	Virginia Department of Transportation
VDRPT	Virginia Department of Rail & Public Transit
VTRANS	Virginia Statewide Long-Range Transportation Plan

## REGIONAL SUPPORT ACTIVITIES

(Projects  
two or  
localities)

involving  
more

Pursue  
as an

Designation  
Economic



### Development District (Strategic Plan Year 3)

Staff will work with the Roanoke Valley Alleghany Regional Comprehensive Economic Development Strategy (CEDS) committee formed in FY 2008 to monitor implementation of the CEDS Strategy and to assist localities with implementation. This project will also involve the continued coordination of the Roanoke Valley – Alleghany Regional Comprehensive Economic Development Strategy process as well as general technical assistance and grant-writing assistance to local economic development agencies.

*Localities Served:* Cities of Covington, Roanoke and Salem, Counties of Alleghany, Botetourt, Craig and Roanoke and Towns of Clifton Forge and Vinton

*Project Leader:* John Hull

*Funding Source & Estimated Hours:* Local Governments – 235 hrs., EDA - 235 hrs.

### Regional Land Parcel Archive Program

Staff will work with localities to create a system for recording yearly GIS data on land parcels and land use. Data collected will be information on parcel values, parcel sizes, land uses, and other characteristics.

*Localities Served:* Cities of Covington, Roanoke and Salem, Counties of Alleghany, Botetourt, Craig, Franklin and Roanoke and Towns of Clifton Forge, Rocky Mount and Vinton

*Project Leader:* Matt Miller

*Funding Source & Estimated Hours:* Local Governments – 50 hrs., ARC – 10 hrs.

### Regional Future Land Use Mapping

Staff will collect comprehensive plans from local governments, collect future land use maps, and generate a regional future land use map.

*Localities Served:* Cities of Covington, Roanoke and Salem, Counties of Alleghany, Botetourt, Craig, Franklin and Roanoke and the Towns of Clifton Forge, Rocky Mount and Vinton



*Project Leader:* Matt Miller

*Funding Source & Estimated Hours:* Local Governments - 65 hrs., ARC – 15 hrs.

### **Regional Population Analysis**

Staff will analyze migration and commuting within the RVARC region. Data utilized will be from the 2000 Census and any other available data. A report with tables for each jurisdiction will be produced.

*Localities Served:* Cities of Covington, Roanoke and Salem, Counties of Alleghany, Botetourt, Craig, Franklin and Roanoke and Towns of Clifton Forge, Rocky Mount and Vinton

*Project Leader:* Matt Miller

*Funding Source & Estimated Hours:* Local Governments - 63 hrs., ARC – 12 hrs.

### **Regional Housing Study Phase II**

Staff will conduct a regional housing study that provides and analyzes housing data and makes suggestions and recommendations on how the region can effectively address the housing needs of the residents.

*Localities Served:* Cities of Covington, Roanoke and Salem, Counties of Alleghany, Botetourt, Craig, Franklin and Roanoke and Towns of Clifton Forge, Rocky Mount and Vinton

*Project Leader:* Shane Sawyer  
*Funding Source & Estimated Hours:* Local Governments - 100 hrs., DHCD – 200 hrs., ARC - 100 hrs.

### **Assistance to the Roanoke Valley – Alleghany Regional Advisory Council on Homelessness**

Staff will continue coordination of the Advisory Council and complete other tasks as needed to encourage and facilitate cooperation between local governments, service providers and community based organizations to address homelessness in the Blue Ridge Continuum of Care region.

*Localities Served:* Cities of Covington, Roanoke and Salem, Counties of Alleghany, Botetourt, Craig and Roanoke and Towns of Clifton Forge and Vinton

*Project Leader:* Shane Sawyer  
*Funding Source & Estimated Hours:* DHCD – 87 hrs., ARC - 12 hrs.



## **Regional Green Initiative**

Staff will assist participating localities in pursuing a comprehensive energy plan on a regional level and aligning regional goals with the state-wide energy plan. Staff will coordinate existing environmental services across local governments, research regional recycling issues, promote green-build within the region, develop an inter-active website, sponsor a Regional Green Summit, create an information clearinghouse, and provide assistance with Smart Growth Implementation Assistance grant applications and study regulatory alternatives and issues related to small scale alternative energy generation (wind, solar, geothermal).

*Localities Served:* Cities of Covington, Roanoke and Salem, Counties of Alleghany, Botetourt, Craig, Franklin and Roanoke, Towns of Clifton Forge, Rocky Mount and Vinton

*Project Leader:* Jeremy Holmes

*Funding Source & Estimated Hours:* DHCD – 125 hrs., ARC - 25 hrs.



## **Regional Green Infrastructure Mapping**

Staff will work with a stakeholder group to define “green infrastructure” for the region. Staff will then create a regional map and inventory of green infrastructure. Green infrastructure typically includes such resources as tree cover, greenways, parks, and protected lands.

*Localities Served:* Cities of Covington, Roanoke and Salem, Counties of Alleghany, Botetourt, Craig, Franklin and Roanoke and the Towns of Clifton Forge, Rocky Mount and Vinton

*Project Leader:* Matt Miller

*Funding Source & Estimated Hours:* DHCD – 113 hrs., ARC - 12 hrs.



## **Ridesharing/Alternative Transportation Projects**

Staff will continue to operate RIDE Solutions, the regional TDM program, to create a greater public awareness of commuting options to address air quality and other environmental issues as well as stimulate economic vitality by offering a cost-saving alternative to driving alone. The program’s work will include, but not be limited to, the following areas:

- Staff will develop commuter statistics relative to the number of commuters from Rocky Mount and Franklin County to the Roanoke MSA.

- Staff will study the feasibility of instituting bus service from Rocky Mount through Franklin County and Roanoke County to points in the City of Roanoke.
- Creation of regional Long-Range TDM Plan to be integrated into the State Long-Range TDM Plan. Update the regional LRTDMP as needed. Participate in the MPO planning process, identifying and encouraging the implementation of TDM incentives and infrastructure (such as park-and-ride-lots) when appropriate.
- Promote transportation demand management strategies through traditional marketing and outreach efforts. Emphasize employer outreach and partnerships as the primary deployment of TDM strategies in the region, with particular emphasis on the creation of commuter choice incentives such as the tax-deferred transit and vanpool benefits.
- Act as the regional coordinator for the Telework!VA program to promote telework as a commute option. Find creative applications for Telework!VA incentives, including marketing the region as a destination for Northern Virginia teleworkers wanting to relocate but retain their current jobs.
- Manage the RIDE Solutions database carpool-match database, Guaranteed Ride Home benefit, web pages, general on-line presence, member's needs, grant writing, bookkeeping, advertising, public outreach, and information requests. Provide other survey and statistical analysis for the region's public transportation and park-and-ride systems.
- Staff will work with representatives of the Region 2000 (Lynchburg area) to plan for the expansion of the RIDE Solutions program into that area. Staff will investigate the necessary funding levels, branding, media market, and top employers required to launch the program in FY 2011.

*Localities Served:* Cities of Covington, Radford, Roanoke and Salem, Counties of Alleghany, Botetourt, Craig, Floyd, Franklin, Giles, Montgomery and Roanoke, Towns of Blacksburg, Christiansburg, Clifton Forge, Dublin, Pearisburg, Rocky Mount and Vinton

*Project Leader:* Jeremy Holmes

*Funding Source & Estimated Hours:* Local Governments – 264 hrs., VDRPT – 1,058 hrs.

### **Restoration of Glade Creek**

Staff will assist the Town of Vinton with applying for funding to restore Glade Creek to a native trout stream including stream bank restoration, riparian buffer protection and riparian buffer reforestation.

*Localities Served:* City of Roanoke, Counties of Botetourt and Roanoke and Town of Vinton

*Project Leader:* Eddie Wells

*Funding Source & Estimated Hours:* Local Governments – 100 hrs.

## **Greater Roanoke Regional Water Supply Planning Coordination Phase II (Strategic Plan Year 2)**

Staff will continue coordination efforts with participating localities and the Virginia Department of Environmental Quality in development of the Greater Roanoke Water Supply Plan Phase II that meets the criteria and conditions established in the Commonwealth's Local and Regional Water Supply Planning Regulation (9 VAC 25-780).

*Localities Served:* Cities of Bedford, Roanoke and Salem, Counties of Bedford, Botetourt, Franklin and Roanoke, Towns of Boones Mill, Buchanan, Fincastle, Rocky Mount, Troutville and Vinton

*Project Leader:* Shane Sawyer

*Funding Source & Estimated Hours:* Local Governments – 65 hrs.

## **Alleghany Regional Water Supply Planning Coordination Phase II (Strategic Plan Year 3)**

Staff will continue coordination efforts with participating local governments and the Virginia Department of Environmental Quality in development of the Alleghany Highlands Regional Water Supply Plan that meets the criteria and conditions established in the Commonwealth's Local and Regional Water Supply Planning Regulation (9 VAC 25-780). The staff will work cooperatively with the Central Shenandoah PDC on this project.

*Localities Served:* City of Covington, County of Alleghany, Towns of Clifton Forge and Iron Gate

*Project Leader:* Shane Sawyer

*Funding Source & Estimated Hours:* Local Governments - 25 hrs., ARC – 25 hrs.

## **Craig County/Town of New Castle Regional Water Supply Planning Coordination Phase I (Strategic Plan Year I)**

Staff will coordinate efforts with participating local governments and the Virginia Department of Environmental Quality in development of the Craig County/Town of New Castle Regional Water Supply Plan that meets the criteria and conditions established in the Commonwealth's Local and Regional Water Supply Planning Regulation (9 VAC 25-780).

*Localities Served:* County of Craig and Town of New Castle

*Project Leader:* Shane Sawyer

*Funding Source & Estimated Hours:* Local Governments – 25 hrs., ARC – 25 hrs.

## **Roanoke Regional Storm Water Management Committee (Strategic Plan Year I)**

Staff will continue with the committee of stakeholders to gauge government commitment to pursuing implementation of a Roanoke Valley Regional Storm Water Management Process.

*Localities Served:* Cities of Roanoke and Salem, Counties of Franklin and Roanoke, Town of Vinton

*Project Leader:* Wayne G. Strickland

*Funding Source & Estimated Hours:* Local Governments – 24 hrs.



## **Roanoke River Corridor Study Update (Strategic Plan Year I)**

Staff will establish stakeholder group that is interested in updating the Roanoke River Corridor Study.

*Served:* Cities of Roanoke and Salem, Counties of Franklin and Roanoke and the Town of Vinton

*Project Leader:* Shane Sawyer

*Funding Source & Estimated Hours:* Local Governments – 34 hrs.

## **Pre-Disaster Mitigation Technical Assistance**

Staff will monitor the implementation of the Regional Pre-Disaster Mitigation Plan as required by the Virginia Department of Emergency Management and complete the Annual Report and Mitigation Strategies Spreadsheet.

*Localities Served:* Cities of Covington, Roanoke and Salem, Counties of Alleghany, Botetourt, Craig and Roanoke and the Towns of Clifton Forge and Vinton

*Project Leader:* Eddie Wells

*Funding Source & Estimated Hours:* Local Governments – 30 hrs., ARC - 10 hrs.



## **Implementation of the Urban Tree Canopy Plan**

Staff will provide technical assistance to localities for implementation of recommendations in the Urban Tree Canopy Plan.

*Localities Served:* Cities of Roanoke and Salem, Roanoke County and the Town of Vinton

*Project Leader:* Shane Sawyer

*Funding Source & Estimated Hours:* Local Governments – 40 hrs.

## **Rural Greenway Technical Assistance**

Staff will provide general technical assistance and mapping for the Craig County Greenway in New Castle-Craig County School, Jackson River Trail, James River Blueway in Botetourt County and James River Blueway in Alleghany County.

*Localities Served:* City of Covington, Counties of Alleghany, Botetourt and Craig  
*Project Leader:* Eddie Wells  
*Funding Source & Estimated Hours:* Local Governments – 40 hrs., ARC – 40 hrs.

## **Alleghany Highlands Telecommunications/Broadband Plan Phase II**

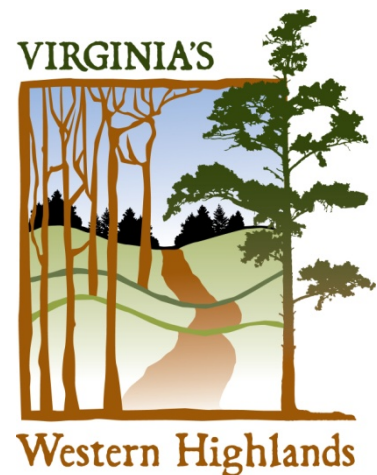
Staff will assist the County of Alleghany and the City of Covington in completing Phase II of a Broadband and Telecommunications Plan. The Commission will serve as the fiscal agent and hire a consultant to complete the work. This project was started in FY2009.

*Localities Served:* City of Covington, County of Alleghany, Town of Clifton Forge  
*Project Leader:* Matt Miller  
*Funding Source & Estimated Hours:* DHCD – 50 hrs., EDA –25 hrs., ARC – 25 hrs.

## **Virginia's Western Highlands Project**

Staff will continue to support this tourism trail initiative with marketing, grant writing and coordination of project activities.

*Localities Served:* City of Covington, Counties of Alleghany, Bath, Craig and Highland, and Towns of Clifton Forge, Iron Gate, Monterey and New Castle  
*Project Leader:* John Hull  
*Funding Source & Estimated Hours:* Local Governments – 25 hrs., ARC - 25 hrs.



## **Alleghany Highlands Enterprise Zone Update**

Staff will assist the region in amending the City of Covington, County of Alleghany and Town of Clifton Forge's enterprise zone boundaries.

*Localities Served:* City of Covington, County of Alleghany and Town of Clifton Forge,  
*Project Leader:* Matt Miller  
*Funding Source & Estimated Hours:* Local Governments – 50 hrs., EDA – 25 hrs., ARC – 25 hrs.

## **Regional Leadership Collaboration**

Staff will coordinate and facilitate regular meetings of area Mayors and Chairs, as well as chief administrative officials in the region. Staff will establish a curriculum and offer an education program for elected officials.

*Localities Served:* Cities of Covington, Roanoke and Salem, Counties of Alleghany, Botetourt, Craig, Franklin and Roanoke and the Towns of Clifton Forge, Rocky Mount and Vinton

*Project Leader:* Wayne Strickland

*Funding Source & Estimated Hours:* Local Governments – 72 hrs., ARC - 24 hrs.

### **Regional Planners Training**

Staff will coordinate and facilitate training sessions to assist planners in remaining abreast of current planning issues and best practices and to maintain AICP certification.

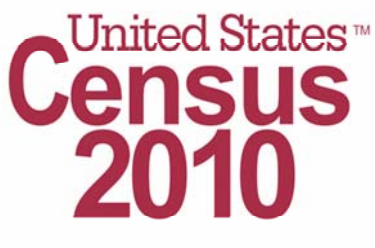
*Localities Served:* Cities of Covington, Roanoke and Salem, Counties of Alleghany, Botetourt, Craig, Franklin and Roanoke and the Towns of Clifton Forge, Rocky Mount and Vinton

*Project Leader:* Eddie Wells

*Funding Source & Estimated Hours:* Local Governments – 30 hrs.

### **2010 Census**

Staff will provide technical support and training to localities as needed, and as offered by the US Census Bureau.



*Localities Served:* Cities of Covington, Roanoke and Salem, Counties of Alleghany, Botetourt, Craig, Franklin and Roanoke and the Towns of Clifton Forge, Rocky Mount and Vinton

*Project Leader:* Matt Miller

*Funding Source & Estimated Hours:* Local Governments – 20 hrs.

### **Regional Cooperative Procurement for Shared Specialized Assets**

Cooperative procurement among localities is allowed by state law and is typically used by localities to purchase an item or service without bids, provided that another locality recently purchased the same item or service via a formal bidding process. This study would investigate the mechanisms and issues of multiple localities purchasing specialized equipment that could be shared between the participating localities.

*Localities Served:* Cities of Covington, Roanoke and Salem, Counties of Alleghany, Botetourt, Craig, Franklin and Roanoke and the Towns of Clifton Forge, Rocky Mount and Vinton

*Project Leader:* Olivia Dooley

*Funding Source & Estimated Hours:* Local Governments – 30 hrs.



## **IMPLAN**

Staff will assist localities and regional partners with estimating economic impact of a variety of projects and events upon request.

*Localities Served:* Cities of Covington, Roanoke and Salem, Counties of Alleghany, Botetourt, Craig, Franklin and Roanoke and Towns of Clifton Forge, Rocky Mount and Vinton

*Project Leader:* John Hull

*Funding Source & Estimated Hours:* As needed.

## **Economic Impact of the Arts & Cultural**

Staff will work with the Arts Council of the Blue Ridge to design surveys of member organizations and member artisans and utilize the IMPLAN Economic Impact modeling capabilities to determine the positive economic impact represented by the region's arts community.

*Localities Served:* The cities of Roanoke and Salem, the counties of Alleghany, Bath, Bedford, Botetourt, Floyd, Franklin, Henry, Montgomery, Patrick, Pulaski, Roanoke and Rockbridge

*Project Leader:* John Hull

*Funding Source & Estimated Hours:* DHCD – 50 hrs.

## **RVARC Community Impact & Leverage Analysis**

Staff will identify funds brought to the region since FY 2000/2001 by the direct assistance of the RVARC. This analysis will include state, federal, private and non-profit funding for both transportation and non-transportation projects. Staff will estimate the return on investment of local funding to the RVARC.

*Localities Served:* Cities of Covington, Roanoke and Salem, Counties of Alleghany, Botetourt, Craig, Franklin and Roanoke and the Towns of Clifton Forge, Rocky Mount and Vinton

*Project Leader:* Matt Miller

*Funding Source & Estimated Hours:* Local Governments – 40 hrs.

## **Regional Government GIS Users Group**

Staff would host quarterly meeting of GIS personnel from local governments and the Western Virginia Water Authority. Regional and cooperative issues could be discussed.

*Localities Served:* Cities of Covington, Roanoke and Salem, Counties of Alleghany, Botetourt, Craig, Franklin and Roanoke and the Towns of Clifton Forge, Rocky Mount and Vinton

*Project Leader:* Matt Miller

*Funding Source & Estimated Hours:* Local Governments – 10 hrs.



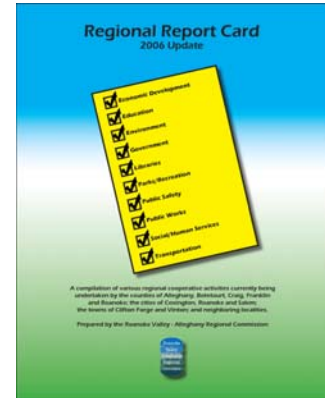
## **Regional Report Card Update**

Staff will update the Regional Report Card that was last published in FY 05/06.

*Localities Served:* Cities of Covington, Roanoke and Salem, Counties of Alleghany, Botetourt, Craig, Franklin and Roanoke and the Towns of Clifton Forge, Rocky Mount and Vinton

*Project Leader:* Intern

*Funding Source & Estimated Hours:* Local Governments – 30 hrs.



## **State Data Center**

Staff will continue its role as regional clearinghouse for demographic and economic development information and related data, includes census 2010 coordination and comment.

- GRANT System - Staff will compile an email distribution list of local government staff and other interested parties from the region and electronically distribute notices of relevant grant opportunities from federal and state agencies as well as private foundations.
- Regional Intern Program - Staff will manage the Commission's internship program and formulate formal procedures and policies regarding application to the program, attendance, and supervision.
- Regional Planning Library – Staff will continue to maintain and improve library organization and operation to increase its usefulness to Commission members, businesses, and citizens in the region.

*Localities Served:* Cities of Covington, Roanoke and Salem, Counties of Alleghany, Botetourt, Craig, Franklin and Roanoke and the Towns of Clifton Forge, Rocky Mount and Vinton

*Project Leader:* Staff

*Funding Source & Estimated Hours:* DHCD – 140 hrs., EDA – 65 hrs.

## **Public Relations and Outreach**

The staff will continue with publication of brochures, newsletters, website update, and continue outreach activities.

*Localities Served:* Cities of Covington, Roanoke and Salem, Counties of Alleghany, Botetourt, Craig, Franklin and Roanoke and the Towns of Clifton Forge, Rocky Mount and Vinton

*Project Leader:* Staff

*Funding Source & Estimated Hours:* Local Governments – 174 hrs.

## **Grant Writing**

The staff will continue to provide assistance to localities in writing grant applications and researching funding opportunities for regional and local development projects. Project includes attendance at grant workshops.

*Localities Served:* Cities of Covington, Roanoke and Salem, Counties of Alleghany, Botetourt, Craig, Franklin and Roanoke and the Towns of Clifton Forge, Rocky Mount and Vinton

*Project Leader:* Staff

*Funding Source & Estimated Hours:* DHCD – 250 hrs., EDA – 50 hrs.

## **General Technical Assistance**

The staff will research, develop, maintain, and analyze data for use in a variety of technical support and planning support activities.

*Localities Served:* Cities of Covington, Roanoke and Salem, Counties of Alleghany, Botetourt, Craig, Franklin and Roanoke and the Towns of Clifton Forge, Rocky Mount and Vinton

*Project Leader:* Staff

*Funding Source & Estimated Hours:* Local Governments – 200 hrs., DHCD – 227 hrs., ARC – 100 hrs., EDA – 65 hrs.



### **Botetourt County Comprehensive Plan Update**

Staff will assist the County of Botetourt with an update to its comprehensive plan to reflect the changes in development, demographics and public policy.

*Localities Served:* County of Botetourt

*Project Leader:* Jake Gilmer

*Funding Source & Estimated Hours:* Local Governments – 12 hrs., ARC 13

### **Clifton Forge Comprehensive Plan Update**

Staff will assist the Town of Clifton Forge with an update to its comprehensive plan to reflect the changes in development, demographics and public policy.

*Localities Served:* Town of Clifton Forge

*Project Leader:* Eddie Wells

*Funding Source & Estimated Hours:* Local Governments – 50 hrs., ARC – 50 hrs.

### **Build Out Analysis of Route 220 Corridor in Franklin County**

Staff will assist the County with a build out analysis of the Route 220 corridor in Franklin County based on existing zoning patterns and future land use projections.

*Localities Served:* County of Franklin

*Project Leader:* Eddie Wells

*Funding Source & Estimated Hours:* Local Governments – 140 hrs.

### **Rocky Mount Parks & Recreation Master Plan**

Staff will assist the town of Rocky mount in developing a parks & recreation plan element that will be integrated into the Franklin County Parks and Recreation Plan.

*Localities Served:* Town of Rocky Mount

*Project Leader:* Eddie Wells

*Funding Source & Estimated Hours:* Local Governments – 100 hrs.

## **Greenfield Historic Preservation & Restoration Plan**

Staff will assist the County of Botetourt in identifying preferred preservation and restoration methods and sources, developing a restoration plan with cost estimates, and identifying grant/other funding resources.

*Localities Served:* County of Botetourt

*Project Leader:* Jake Gilmer

*Funding Source & Estimated Hours:* Local Governments – 25 hrs., ARC - 25 hrs.



## **Smith Mountain Lake Residential & Visitation Analysis**

Staff will assist the County of Franklin with evaluating visitation and development impacts of the Smith Mountain Lake region. Report shall include definition of “lake community”, number of households, economic impacts, and changes in patterns given new development trends.

*Localities Served:* County of Franklin

*Project Leader:* John Hull

*Funding Source & Estimated Hours:* Local Governments – 150 hrs.

## **FEMA HAZUS Pilot Project**

Staff will evaluate the usefulness of FEMA’s Hazard Analysis software (HAZUS). HAZUS is a powerful risk assessment software program for analyzing potential losses from floods, hurricane winds and earthquakes. Staff will use Botetourt County as a Pilot Project.

*Localities Served:* County of Botetourt

*Project Leader:* Matt

*Funding Source & Estimated Hours:* Local Governments - 125 hrs., ARC – 125 hrs.

## **Telecommunications Planning**

Staff will assist the Town of Vinton with CDBG Telecommunications Planning Grant.

*Localities Served:* Town of Vinton

*Project Leader:* Matt Miller *Funding Source & Estimated Hours:* Local Governments - 20 hrs.

## **Economic Impact of the Higher Education Center**

Staff will work cooperatively with staff of the Roanoke Higher Education Center to design a survey of educational programs in the Higher Education Center and utilize the IMPLAN Economic Impact modeling capabilities to determine the positive economic impact represented by the Roanoke Higher Education Center.

*Localities Served:* City of Roanoke

*Project Leader:* John Hull

*Funding Source & Estimated Hours:* RHEC – 38 hrs.



## **Music Venue Business Case Analysis**

Staff will perform a business case analysis relative to construction and operation of a music venue in Rocky Mount. Assist town staff with grant applications.

*Localities Served:* Town of Rocky Mount

*Project Leader:* John Hull

*Funding Source & Estimated Hours:* Local Governments – 100 hrs.

## **Route 220 Waterline Extension Analysis**

Staff will conduct an analysis/feasibility study of a Route 220 waterline lateral extension including description of study area, water demand, projected revenues, impact of growth and comprehensive analysis and suggested updates.

*Localities Served:* County of Franklin

*Project Leader:* Eddie Wells

*Funding Source & Estimated Hours:* Local Governments – 140 hrs.

## URBAN TRANSPORTATION PROJECTS



### Long-Range Transportation Planning

Staff will provide Constrained Long Range Transportation Plan 2035 amendments, complete TAZ-UP process, complete the National Household Transportation Data Review, conduct the Annual Public Open House and provide coordination with VDOT's Rural Long-Range Transportation Planning Process. "Long Range Transportation Planning" is the element responsible for demonstrating SAFETEA-LU compliance for the long-rang transportation planning process.

*Localities Served:* Cities of Roanoke and Salem, Counties of Bedford, Botetourt and Roanoke, and Town of Vinton

*Project Leader:* Mark McCaskill

*Funding Source & Estimated Hours:* PL – 901 hrs., FTA – 274 hrs., Local Governments – 255 hrs.

### Transportation Improvement Program

Staff will monitor amendments to the current TIP as needed, provide annual listing of projects with federal obligations (federal funds), continue with TIP GIS development and website development related to the TIP and/or TIP database/tracking system development, prepare the RVAMPO Self-Certification Statement and pursue activities to assure that the Statement is being followed, and the preparation of an annual listing of projects for which federal funds have been obligated in the previous year.

*Localities Served:* Cities of Roanoke and Salem, Counties of Bedford, Botetourt and Roanoke, and Town of Vinton

*Project Leader:* Jake Gilmer

*Funding Source & Estimated Hours:* PL – 397 hrs., FTA – 148 hrs., Local Governments – 115 hrs.

### Public Participation–Environmental Justice

Staff will continue to engage neighborhood organizations and civic leagues with focus group settings and deploy the electronic kiosk. Staff will conduct a review of input received and summarize in an end of year report. The RVAMPO website will be maintained.

*Localities Served:* Cities of Roanoke and Salem, Counties of Bedford, Botetourt and Roanoke, and Town of Vinton

*Project Leader:* Jeremy Holmes

*Funding Source & Estimated Hours:* PL – 179 hrs., FTA – 45 hrs., Local Governments – 49 hrs.

### **Air Quality and Green Infrastructure Planning**

Staff will focus on implementation of transportation and transportation related strategies outlined in the adopted Ozone Early Action Plan, finalize the voluntary PM 2.5 compact and make website improvements for ozone EAP maintenance and the PM 2.5 planning process. Staff will provide a report relating transportation emission reduction strategies to popular non-transportation emission reduction strategies.

*Localities Served:* Cities of Roanoke and Salem, Counties of Botetourt and Roanoke, and Town of Vinton

*Project Leader:* Mark McCaskill

*Funding Source & Estimated Hours:* PL – 160 hrs., FTA – 158 hrs., Local Governments – 57 hrs.

### **Regional Corridor Studies**

Staff will continue with the corridor study of Route 419 (City of Roanoke, County of Roanoke and City of Salem) including safety planning, access management, corridor simulation (software), intersection evaluation, operations evaluation and/or transit/bicycle/pedestrian connections.

*Localities Served:* Cities of Roanoke and Salem, County of Roanoke

*Project Leader:* Jake Gilmer

*Funding Source & Estimated Hours:* PL – 200 hrs., Local Governments – 50 hrs.

### **Transportation Demand Management and Human Services Public-Transit Coordinated Transportation Planning Processes**

SAFETEA-LU requires a “Human Services Transportation Plan” to be in place before transit operators can access Section 5310 Elderly/Disabled; Job Access Program; and the New Freedoms Program funds. VDRPT is requiring a Transportation Demand Management (TDM) plan from all TDM agencies in the state. Staff will research combined regional transit system structures from around the country and produce a report of best practices for consideration in the RVAMPO service area. The Town of Vinton is expecting a new Low-and-Moderate (LMI) housing complex to be completed within the town limits. This study would investigate transportation strategies ranging including paratransit or extension of fixed-route transit that could serve the new housing complex.

*Localities Served:* Cities of Roanoke and Salem, Counties of Botetourt and Roanoke, and Town of Vinton

*Project Leader:* Mark McCaskill

*Funding Source & Estimated Hours:* PL – 200 hrs., FTA – 90 hrs., Local Governments – 60 hrs.



## **RVAMPO Bicycle Plan and Greenway Master Plan Implementation Planning and Assistance**

Staff will update the 2005 RVAMPO Bicycle Plan, staff the Regional Pedestrian/Bicycle Advisory Board, track yearly progress towards the implementation of the Roanoke River Greenway, provide mapping, web design and grant application assistance to local governments and Greenway Commission.

*Localities Served:* Cities of Roanoke and Salem, Counties of Botetourt and Roanoke, and Town of Vinton

*Project Leader:* Shane Sawyer

*Funding Source & Estimated Hours:* PL – 636 hrs., FTA 80 hrs., Local Government – 169 hrs.

## **Safety Planning**

Staff will continue to attend the Blue Ridge Transportation Safety Board meetings for coordination of common transportation safety related issues. Staff will continue to provide assistance to local governments, school systems and VDOT concerning Safe Routes to School Plans and funding, acquire new crash and accident data for analysis, work with VDOT and local governments to update the I-81 detour route work that began in FY 2008 and determine the feasibility of developing an Incident Management Response planning process.

*Localities Served:* Cities of Roanoke and Salem, Counties of Botetourt and Roanoke, and Town of Vinton

*Project Leader:* Jake Gilmer

*Funding Source & Estimated Hours:* PL – 160 hrs., Local Governments – 40 hrs.

## **General Technical Assistance & Technical Support Activities**

RVARC staff will research, develop, maintain, and analyze data for use in a variety of technical support and planning support activities.

**General Technical Assistance** to local governments, planners and citizens as requested.

**Technical Support Activities** – a variety of activities to support work program projects and/or the general planning process (travel time studies, turning movement counts).

**Transportation Enhancement Assistance** – as requested by local governments.

**Minor Support to Statewide Multi-Modal Plan (VTRANS) Update** – as needed.

*Localities Served:* Cities of Roanoke and Salem, Counties of Bedford, Botetourt and Roanoke, and Town of Vinton

*Project Leader:* Staff

*Funding Source & Estimated Hours:* PL – 71 hrs., FTA – 45 hrs., Local Governments Local Governments – 22 hrs.

### **Public Transportation Planning Assistance**

Staff will provide Long-range Transportation Demand Management (TDM) Plan assistance, Transit Development Plans (TDP) assistance, transit route mapping assistance, bus stop mapping and complete the financial capacity analysis for Valley Metro.

*Localities Served:* Cities of Roanoke and Salem, County of Roanoke, and Town of Vinton

*Project Leader:* Jeremy Holmes

*Funding Source & Estimated Hours:* FTA – 126 hrs., Local Governments – 14 hrs.

### **Seminars and Stakeholder Training**

RVAMPO staff will select relevant MPO related teleconferences and make arrangements to host a teleconference download site for local planners, citizens and other interested parties. A discussion will follow each teleconference concerning how RVAMPO staff may apply concepts from the teleconference in the long-range planning process.

*Localities Served:* Cities of Roanoke and Salem, Counties of Bedford, Botetourt and Roanoke, and Town of Vinton

*Project Leader:* Eddie Wells

*Funding Source & Estimated Hours:* PL – 24 hrs., Local Governments – 6 hrs.

### **Microsimulation Traffic Modeling**

Staff will work with the TTC, Local Government Stakeholders and VDOT to select candidate transportation corridors for simulation, then collect data and do necessary fieldwork for selected corridors. Staff, or an on-call consultant, will develop and run the simulation models for the corridors. Staff will use travel time data to field test speed and delay on the corridors and compare field results with model results. Staff will transfer developed corridor models to interested local government or VDOT stakeholders.

*Localities Served:* Cities of Roanoke and Salem, Counties of Bedford, Botetourt and Roanoke, and Town of Vinton

*Project Leader:* Mark McCaskill

*Funding Source & Estimated Hours:* PL – 675 hrs., Local Governments – 75 hrs.

### **Route 419 Intergovernmental Coordination Plan**

Staff will examine ways in which governments can better coordinate to improving the multimodal ability of Route 419.

*Localities Served:* Cities of Roanoke and Salem and County of Roanoke

*Project Leader:* Jake Gilmer

*Funding Source & Estimated Hours:* Multimodal grant – 85 hrs.

## **RURAL TRANSPORTATION PROJECTS**



### **Regional Long Range Transportation Plan - Phase IV**

Staff will create a regional long-range plan in the rural portion of the Roanoke Valley-Alleghany Regional Commission (RVARC) to complement the long-range transportation plan developed by the Roanoke Valley Area Metropolitan Planning Organization (RVAMPO) for the metropolitan area. This program is broken up into four phases across a multi-year effort that will result in a safety conscious, GIS based long-range multimodal plan (highways, bicycle/pedestrian, freight, aviation and transit) for the RVARC.

*Localities Served:* City of Covington, Counties of Alleghany, Botetourt, Craig, Franklin and Roanoke, and Town of Clifton Forge

*Project Leader:* Jake Gilmer

*Funding Source & Estimated Hours:* SPR – 228 hrs., Local Governments – 57 hrs.

### **Botetourt County & Clifton Forge Comprehensive Plans-Transportation Element**

Staff will assist the County of Botetourt and the Town of Clifton Forge with updates of their Comprehensive Plans, which will minimally contain information as required in the Code of Virginia.

*Localities Served:* County of Botetourt and Town of Clifton Forge

*Project Leader:* Jake Gilmer

*Funding Source & Estimated Hours:* SPR – 111 hrs., Local Governments – 27 hrs.

### **Jackson River Scenic Trail Conceptual Plan – Covington Segment**

Staff will prepare a conceptual plan for the development of a segment of the Jackson River Scenic Trail and Blueway within the City of Covington. The conceptual plan will examine issues related to completing the Covington segment of the trail, including potential routes, connections, destinations, right-of-way, estimated costs, and potential funding sources.

*Localities Served:* City of Covington

*Project Leader:* Jake Gilmer

*Funding Source & Estimated Hours:* SPR – 120 hrs., Local Governments – 30 hrs.

### **Route 40 Corridor Plan – Phase I**

Staff will assist the County of Franklin with developing a Route 40 Corridor Plan by making land use and transportation recommendations for distinct districts along the corridor. Franklin County staff will coordinate all public involvement and presentations to the Planning Commission and Board of Supervisors.

*Localities Served:* Town of Rocky Mount and County of Franklin

*Project Leader:* Jake Gilmer

*Funding Source & Estimated Hours:* SPR – 130 hrs., Local Governments – 20 hrs.

### **Transit Feasibility Study – Rocky Mount to Roanoke**

Staff will evaluate the feasibility and economic impact of instituting fixed-route transit service from Rocky Mount to Roanoke, estimate potential ridership, stop locations, frequency, and cost of the service.

*Localities Served:* Town of Rocky Mount and County of Franklin

*Project Leader:* Jeremy Holmes

*Funding Source & Estimated Hours:* SPR – 96 hrs., Local Governments – 24 hrs.

### **General Technical Assistance, Technical Support Activities**

Staff will research, develop, maintain, and analyze data for use in a variety of technical support and planning support activities. Work activities will be organized around the following subtasks.

- **General Technical Assistance** to local governments, planners and citizens as requested.
- **Technical Support Activities** – a variety of planning support activities to support work program projects and/or the general planning process (i.e. turning movement counts).
- **Regional Greenways Mapping Assistance** – GPS and mapping assistance to the Regional Greenway Commission and member governments as needed.
- **Transportation Enhancement Assistance** – Local government assistance on the preparation of Transportation Enhancement (TE) grants as needed.
- **Review of Traffic Impact Analysis** – Assist local governments in their review and consideration of traffic impact analysis, as required under Chapter 527 regulations.

*Localities Served:* City of Covington, Counties of Alleghany, Botetourt, Craig, Franklin and Roanoke, and Town of Clifton Forge and Rocky Mount

*Project Leader:* Jake Gilmer

*Funding Source & Estimated Hours:* SPR – 112 hrs., Local Governments – 28 hrs.