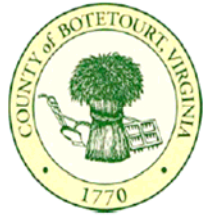


Bikeway Plan for the Roanoke Valley Area Metropolitan Planning Organization

2005





Bikeway Plan for the Roanoke Valley Area Metropolitan Planning Organization



August 2005

Roanoke Valley Area
MPO METROPOLITAN
PLANNING
ORGANIZATION



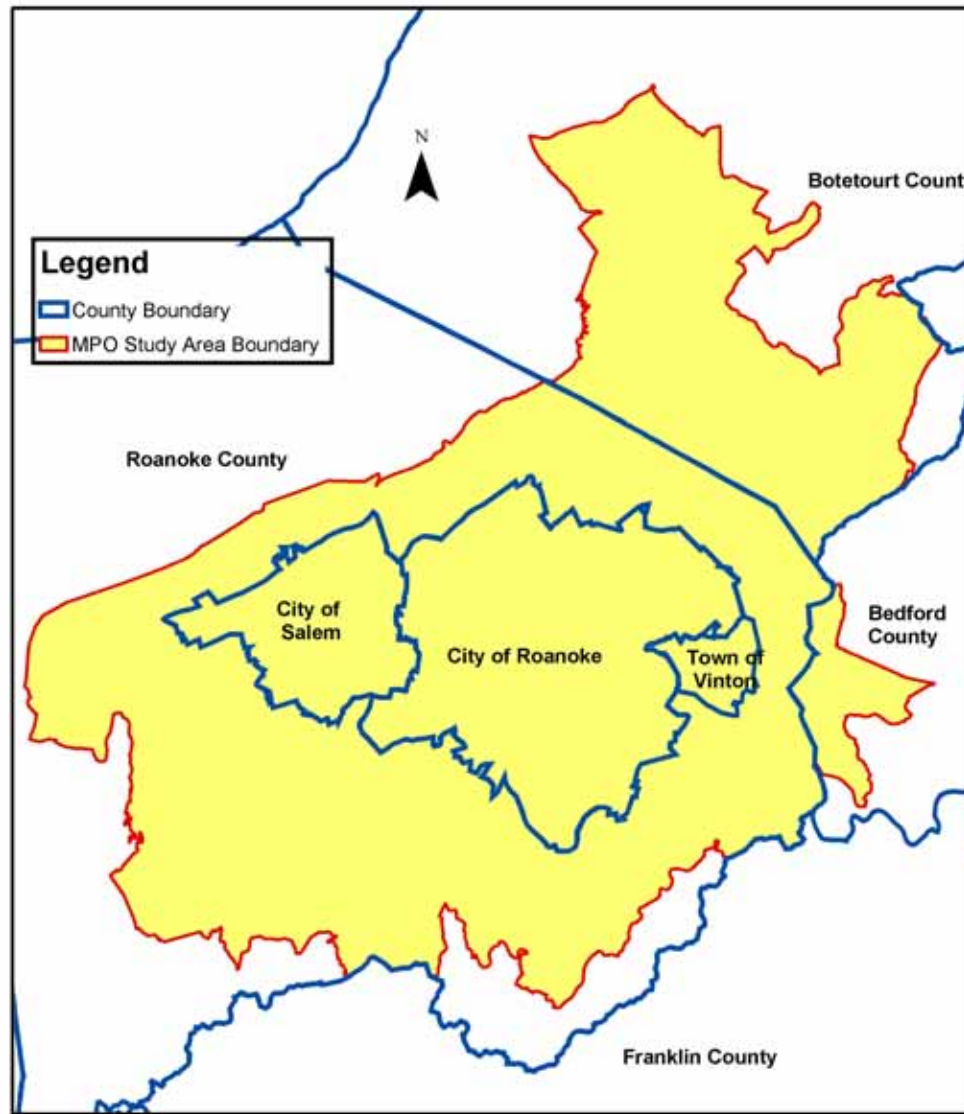
Bikeway Plan for the Roanoke Valley Area Metropolitan Planning Organization

- ✦ adopted by the Roanoke Valley Area MPO in August 2005
- ✦ replaces the 1997 *Bikeway Plan for the Roanoke Valley*
- ✦ covers the cities of Roanoke and Salem, the urbanized portions of Roanoke and Botetourt counties, and the Town of Vinton
- ✦ www.rvarc.org/bike/bikefinal.pdf

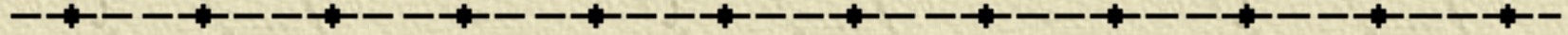


Roanoke Valley Area Metropolitan Planning Organization (MPO)

2025 MPO Study Area Boundary



Bikeway Plan Update Process



- ✦ work products and findings from the *Regional Bicycle Suitability Study (Phase I and II)* were used throughout the update process
- ✦ advisory committee, field work, survey, public workshops, level of service models, input from the Transportation Technical Committee (TTC), local staff, bicyclists, and other stakeholders

Purpose of the Bikeway Plan

-
- ✦ Facilitate development of a regional transportation network that accommodates and encourages bicycling as an alternative mode of travel and as a popular form of recreation in the MPO study area

Overview of the Bikeway Plan

-
- ✦ Introduction
 - ✦ Regional bicycle accommodation guidelines - "Best Practices" list
 - ✦ Priority list of corridors for bicycle accommodation
 - ✦ Vision list of corridors for bicycle accommodation
 - ✦ Update procedure

Regional Bicycle Accommodation Guidelines - "Best Practices"

-
- ✦ Apply by default, the VDOT *Policy for Integrating Bicycle and Pedestrian Accommodations* to all corridors in the transportation network
 - ✦ Encourage adoption and implementation of the *Bikeway Plan for the RVAMPO* by local governments and other stakeholders
 - ✦ Utilize cost-effective techniques, where applicable and practicable, to better accommodate bicyclists
 - ✦ Encourage cross-jurisdictional consistency in bicycle-related signage

Regional Bicycle Accommodation Guidelines - "Best Practices"

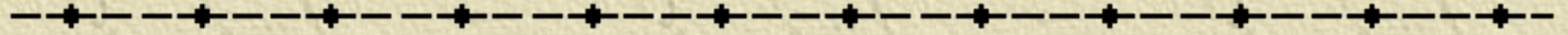
-
- ✦ Improve ancillary bicycle accommodations and support facilities
 - ✦ Regularly review and update the Bikeway Plan for the RVAMPO
 - ✦ Develop and distribute a mobility map for the RVAMPO Study Area
 - ✦ Incorporate the Bikeway Plan for the RVAMPO into other transportation and community planning documents and efforts
 - ✦ Increase bicycle-related education, awareness and advocacy to encourage bicycling

Bicycle Accommodations

✦ It should be noted that specific accommodations are not recommended for corridors on the Priority and Vision lists. For the purposes of this plan, all types of bicycle accommodations are considered as possible means to improve bicycling conditions in the region. Accommodations may include, but are not limited to:

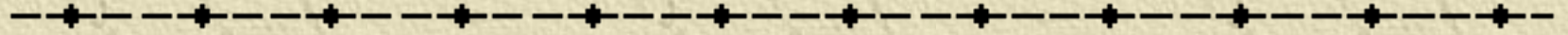
- On-road facilities
- Off-road facilities
- Ancillary facilities

On-Street Bicycle Accommodations



- ✦ bike lanes
- ✦ paved shoulders
- ✦ wide travel (curb) lanes
- ✦ all streets within the system (except where prohibited)

Off-Road Bicycle Accommodations



✦ separate bike paths

✦ greenways

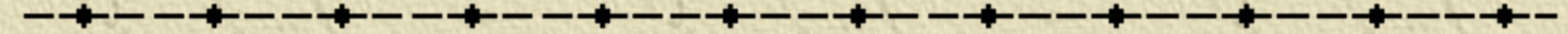
✦ trails

✦ parks

Ancillary Accommodations

-
- ✦ bike racks (public buildings, parks, buses, commercial establishments, other activity centers)
 - ✦ signage and mapping
 - ✦ public transit
 - ✦ bike lockers
 - ✦ benches
 - ✦ showers (i.e., places of employment)
 - ✦ education, safety, advocacy, and incentive programs
 - ✦ others?

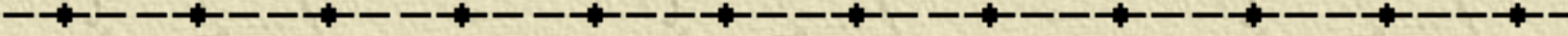
Botetourt County – Priority List



Street	From	To
Alternate Route 220	Roanoke County CL	Route 11
Catawba/Valley Road / Route 779	Route 11	MPO Boundary
Read Mountain Road / Route 654	Alt. Route 220	Route 11
Route 11	Roanoke County CL	MPO Boundary
Route 220	Route 11	Glebe Road
Shadwell Drive / Route 601	Roanoke County CL	Route 11

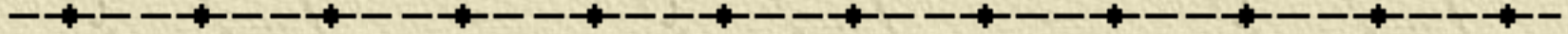


City of Roanoke– Priority List



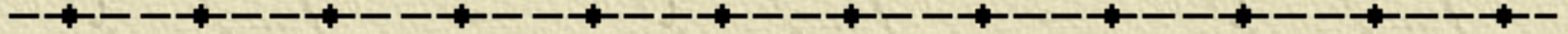
Street	From	To
10th Street	Ferdinand Avenue	Williamson Road
Brandon Avenue	Franklin Road	City of Salem CL
Colonial Avenue	Dogwood Drive	Brandon Avenue
Dale Avenue	13th Street	Town of Vinton CL
Grandin Road	Brandon Avenue	Memorial Avenue
Melrose Avenue	Salem Turnpike	Peter Creek Road
Memorial Avenue	Campbell Avenue	Grandin Road
Peters Creek Road	Brandon Avenue	Cove Road
Shenandoah Avenue	Williamson Road	City of Salem CL
Walnut Avenue	Jefferson Street	Blue Ridge Parkway
Williamson Road	Shenandoah Avenue	Hershberger Road
Wise Avenue	Campbell Avenue	8th St. / Walnut Avenue
Lick Run Greenway		
Mill Mountain Greenway		
Murray Run Greenway		
Roanoke River Greenway		
Tinker Creek Greenway		

Roanoke County – Priority List



Street	From	To
Bent Mountain Road	Electric Road / Route 419	Cotton Hill Road
Brambleton Avenue	City of Roanoke CL	Electric Road / Route 419
Buck Mountain Road	Starkey Road	Franklin Road / Route 220
Catawba Valley Drive	Electric Road / Route 419	Carvins Cove Road
Colonial Avenue	Bent Mountain Road	Electric Road / Route 419
Electric Road / Route 419	Roanoke County CL	Catawba Valley Drive
Hardy Road	Town of Vinton CL	Blue Ridge Parkway
Hollins Road	Shadwell Drive	Plantation Road
Loch Haven Drive	Electric Road / Route 419	Belle Haven Road
Merriman Road	Ranchcrest Drive	Starkey Road
Mountain View Road	Vinton CL	Blue Ridge Parkway
Plantation Drive	I-81	Hollins Road
Ranchcrest Drive	Bent Mountain Road	Merriman Road
Riverside Drive	Salem CL	Harborwood Road / Diuguids Lane
Shadwell Drive	Williamson Road	Hollins Road
Starkey Road	Merriman Road	Buck Mountain Road
Thompson Memorial	Electric Road / Route 419	City of Salem CL (Main St.)

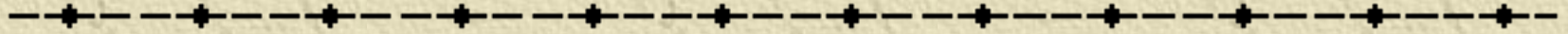
City of Salem– Priority List



Street	From	To
Apperson Drive	City of Roanoke CL	Electric Road / Route 419
College Avenue	Colorado Avenue	Main Street
Colorado Avenue	Apperson Drive	College Avenue
Diuguids Lane	West Main Street	Riverside Drive
East Riverside Drive	Apperson Drive	Colorado Avenue
Thompson Memorial Avenue	Main Street	Route 311 / Catawba Valley Drive
Twelve O'Clock Knob Road	Roanoke County CL	West Riverside Drive



Town of Vinton– Priority List



Street	From	To
Hardy Road	Terminus of bike lane	Roanoke County CL
Mountain View Road	Washington Avenue	Roanoke County CL
South Pollard Street	Gus Nicks Boulevard	Virginia Avenue
Virginia Avenue	South Pollard Street	City of Roanoke CL
Walnut Avenue	Lee Street	Wise Avenue

Bikeway Plan Implementation

-
- ✦ Effectively use and improve existing resources, in addition to new accommodations
 - ✦ Emphasize application of a wide range of accommodations and approaches
 - ✦ Increased coordination of bicycle planning efforts with the Long Range Transportation Plan (LRTP), the Transportation Improvement Program (TIP), and related plans
 - ✦ Local government support and initiatives
 - ✦ Ongoing education and outreach efforts

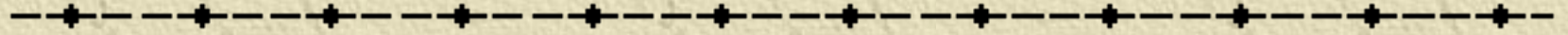
Planning Tools - Level of Service Models

-
- ✦ Bicycle Compatibility Index (BCI)
 - ✦ Bicycle Level of Service Model (BLOS)

Models can assist in:

- ✦ Operational Evaluation
- ✦ Design
- ✦ Planning

Related Projects



- ✦ Rural Bikeway Plan -currently being updated
- ✦ Roanoke Valley Greenway Plan - currently being updated
- ✦ Regional Mobility Maps
- ✦ Regional Pedestrian Walkway Inventory
- ✦ Ridesharing/Alternative Transportation Projects
- ✦ Regional Bicycle Suitability Study – Phase I and Phase II

Update Procedure

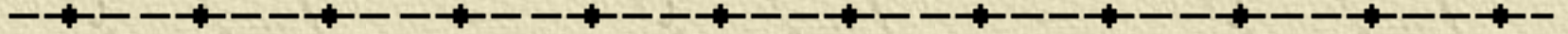
-
- ✦ Ongoing locality, public, and stakeholder input
 - ✦ Annual review
 - ◆ Benchmark general progress
 - ◆ Update Priority and Vision Lists
 - ◆ Incorporate other relevant information from new or updated documents

Additional Information

✦ additional information is available on the
Regional Commission's Bicycle and
Pedestrian Planning homepage

<http://www.rvarc.org/bike>

Questions?



Roanoke Valley-Alleghany
Regional Commission

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