

Appendix A

VDOT
Virginia Roadway Functional Classification
Definitions and Maps



VDOT Roadway Functional Classification Definitions

Functional classification is the process by which streets and highways are grouped into classes, or systems, according to the character of service they are intended to provide. The Virginia Department of Transportation's (VDOT) Transportation and Mobility Planning Division (TMPD) is responsible for maintaining the Commonwealth's official Federal Functional Classification System.

Geographic Areas

Urbanized - Areas designated by the Census Bureau having a population of 50,000 or more

Small Urban - Areas designated by the Census Bureau having a population of 5,000 or more and not part of an urbanized area, also referred to as urban clusters on the maps

Rural - All areas not designated urbanized or small urban

Rural Functional Classification System

Rural principal arterial

- Serves corridor movements of substantial statewide or interstate travel
- Serves all urban areas of 50,000 and over population and a majority of those over 25,000
- Provide an integrated network without stub connections

Rural minor arterial

- Link cities and large towns (and other generators, such as major resorts)
- Spaced at such intervals so that all developed areas of the state are within a reasonable distance of an arterial highway
- Provide service to corridors with trip lengths and travel density greater than those served by rural collectors or local systems
- Design should be expected to provide for relatively high overall speeds, with minimum interference to through movement

Rural major collector

- Provide service to any county seat not on an arterial system, to larger towns not directly served by higher systems



- Link the above to nearby larger towns or routes of higher classification
- Serve the more important intra-county travel corridors

Rural minor collector

- Spaced at intervals, consistent with population density
- Collect traffic from local roads and bring all developed areas within a reasonable distance of a collector road
- Provide service to the remaining smaller communities
- Link local traffic generators with their rural hinterland

Rural local

- Serves primarily to provide direct access to adjacent land
- Provide service to travel over relatively short distances as compared to collectors or other higher systems
- All facilities not on one of the higher systems

Urban Functional Classification System

Urban principal arterial

- Serves the major centers of activity of a metropolitan area
- Highest traffic volume corridors
- Roads serving the longest trip desires
- Carry a high proportion of the total urban area travel on a minimum of mileage
- Carry significant amounts of intra-area travel

Urban minor arterial

- Interconnect with and augment the urban principal arterial system and provide service to trips of moderate length at a lower level of travel mobility than principal arterials
- Include all arterials not classified as a principal and contains facilities that place more emphasis on land access, and offer a lower level of traffic mobility



Urban collector

- Provides land access and traffic circulation within residential neighborhoods, commercial, and industrial areas
- Distributes trips from the arterials through these areas to their ultimate destination
- Collects traffic from local streets and channels it to the arterial system

Urban local

- All facilities not on one of the higher systems
- Serves primarily as direct access to abutting land
- Serves as access to the higher order systems
- Through traffic movement is deliberately discouraged

Source: http://www.virginia.gov/projects/pxn_class/definitions.asp



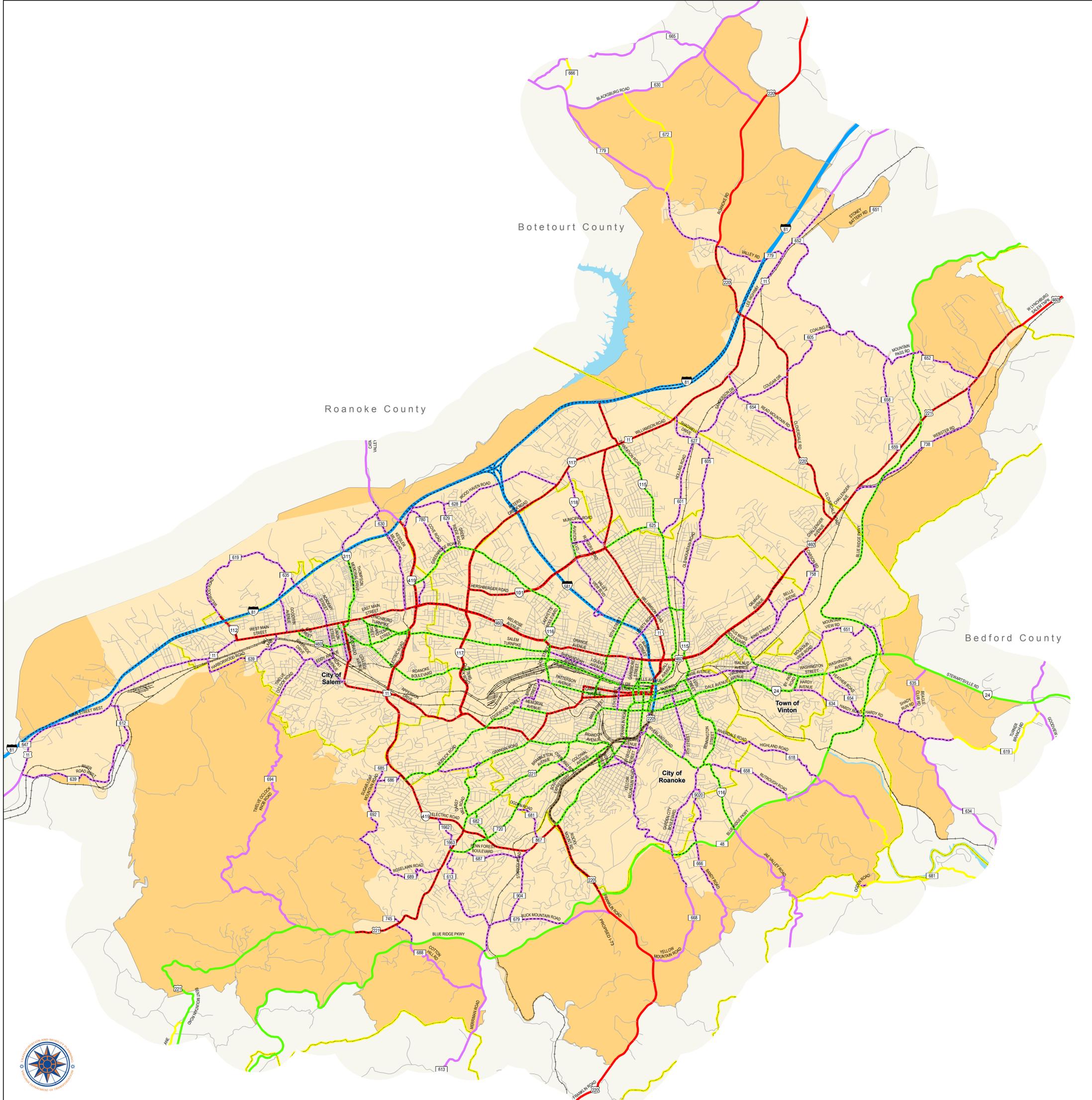
Functional Classification Actions	FHWA Approval Date
1995 Functional Classification	May 10, 1993
2005 Functional Classification	April 20, 2007

The accuracy or completeness of this map is not guaranteed or warranted. The purpose of this map is to illustrate the Commonwealth of Virginia's official highway functional classification system. Information and mileages stated on this map are relevant to the highway functional classification system only.

Jurisdiction Boundaries, Urban Cluster Boundaries, Urbanized Area Boundaries, and MPO Study Area Boundaries based on Census 2000 data. However, some boundary data has been modified, or smoothed, for transportation planning purposes. Urban Cluster Boundaries are only shown when outside of Urbanized Area Boundaries.

Request for information on the functional classification of roads on this map should be addressed to: Virginia Department of Transportation, Transportation and Mobility Planning Division, State Transportation Planner, 1401 East Broad Street, Richmond VA 23219. 804-786-2985 (TTY users, call 711).

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		FUNCTIONAL CLASSIFICATIONS
		Urban Interstate
		Urban Freeway & Expressway
		Urban Other Principal Arterial
		Urban Minor Arterial
		Urban Collector
		Rural Interstate
		Rural Other Principal Arterial
		Rural Minor Arterial
		Rural Major Collector
		Not Classified, Urban Local, Rural Local
		HIGHWAY ROUTE SIGNS
		Interstate
		US Highway
		VA Primary
		VA Secondary
		BOUNDARIES
		Jurisdiction Boundary
		Urban Cluster Boundary
		Urbanized Area Boundary
		MPO Study Area Boundary
		OTHER
		Railroads
		Major Water Feature

VIRGINIA HIGHWAY FUNCTIONAL CLASSIFICATION

**Roanoke-Valley MPO
2005 Functional Classification**



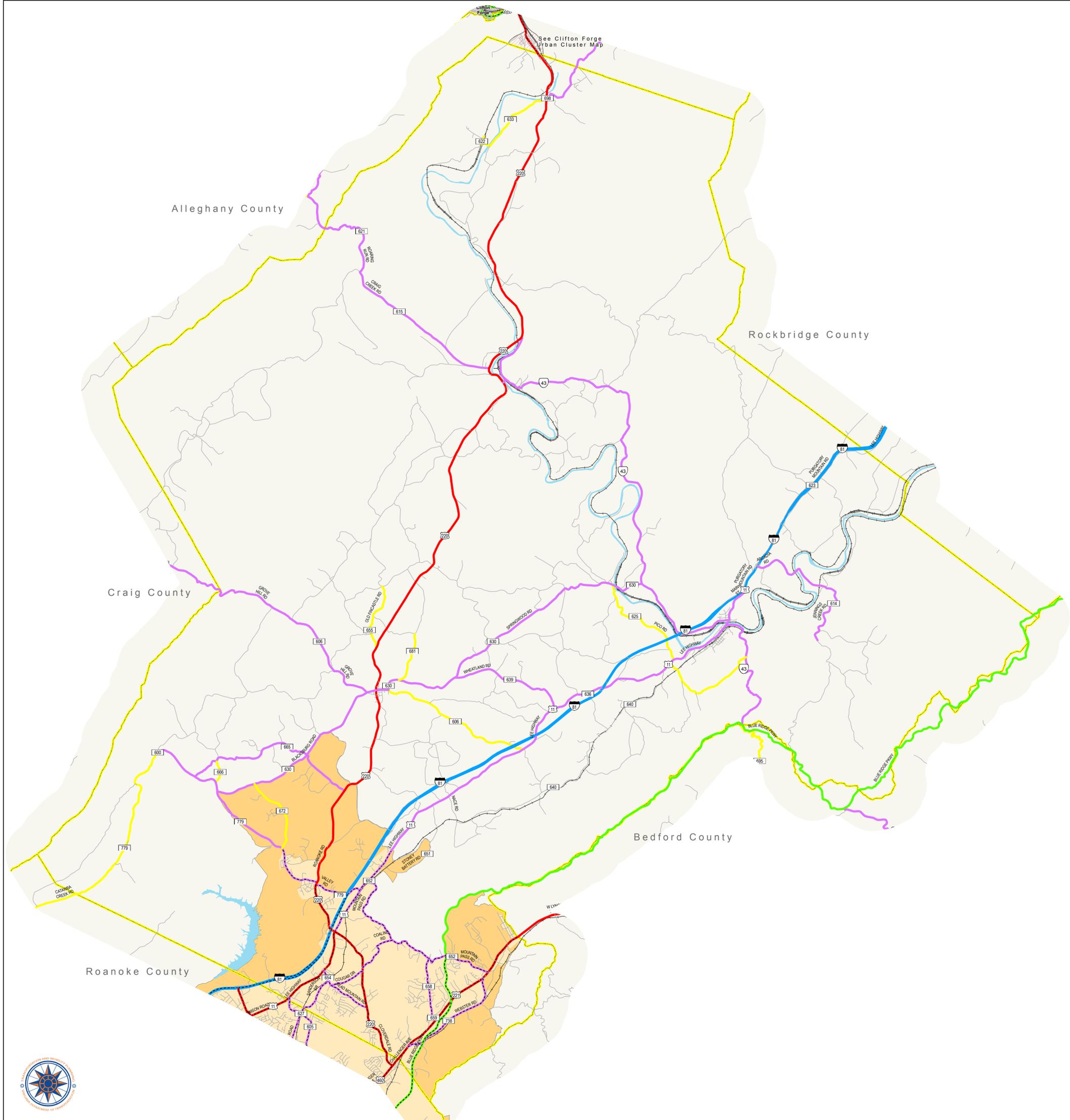
Functional Classification Actions	FHWA Approval Date
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2005 Functional Classification	March 20, 2007

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		Urban Other Principal Arterial
		Urban Minor Arterial
		Urban Collector
		Rural Interstate
		Rural Other Principal Arterial
		Rural Minor Arterial
		Rural Major Collector
		Rural Minor Collector
		Not Classified, Urban Local, Rural Local
HIGHWAY ROUTE SIGNS		
		Interstate
		US Highway
		VA Primary
		VA Secondary
BOUNDARIES		
		Jurisdiction Boundary
		Urban Cluster Boundary
		Urbanized Area Boundary
		MPO Study Area Boundary
OTHER		
		Railroads
		Major Water Feature

VIRGINIA HIGHWAY FUNCTIONAL CLASSIFICATION

**Botetourt County
2005 Functional Classification**



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2005 Functional Classification	April 20, 2007

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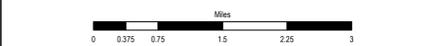
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		Rural Major Collector
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		HIGHWAY ROUTE SIGNS
		Interstate
		US Highway
		VA Primary
		VA Secondary
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		Urban Cluster Boundary
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		Railroads
		Major Water Feature

VIRGINIA HIGHWAY FUNCTIONAL CLASSIFICATION

**Roanoke County
2005 Functional Classification**





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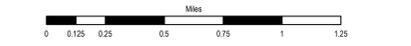
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		US Highway
		VA Primary
		VA Secondary
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		Urbanized Area Boundary
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		OTHER
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		Major Water Feature

VIRGINIA HIGHWAY FUNCTIONAL CLASSIFICATION

**City of Roanoke
2005 Functional Classification**



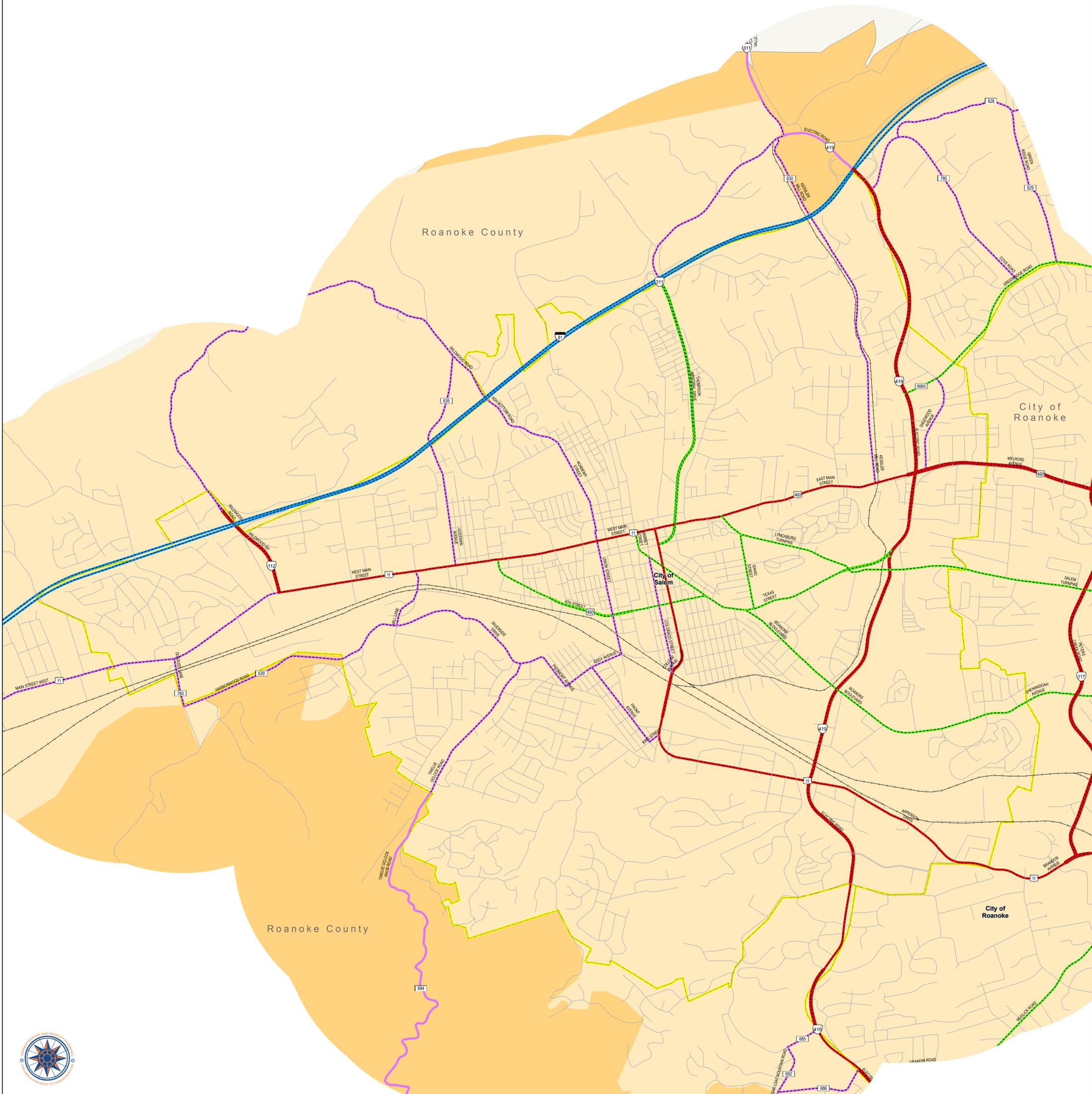
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		VA Primary
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		Jurisdiction Boundary
		Urban Cluster Boundary
		Urbanized Area Boundary
		MPO Study Area Boundary
OTHER		
		Railroads
		Major Water Feature

VIRGINIA HIGHWAY FUNCTIONAL CLASSIFICATION

**City of Salem
2005 Functional Classification**



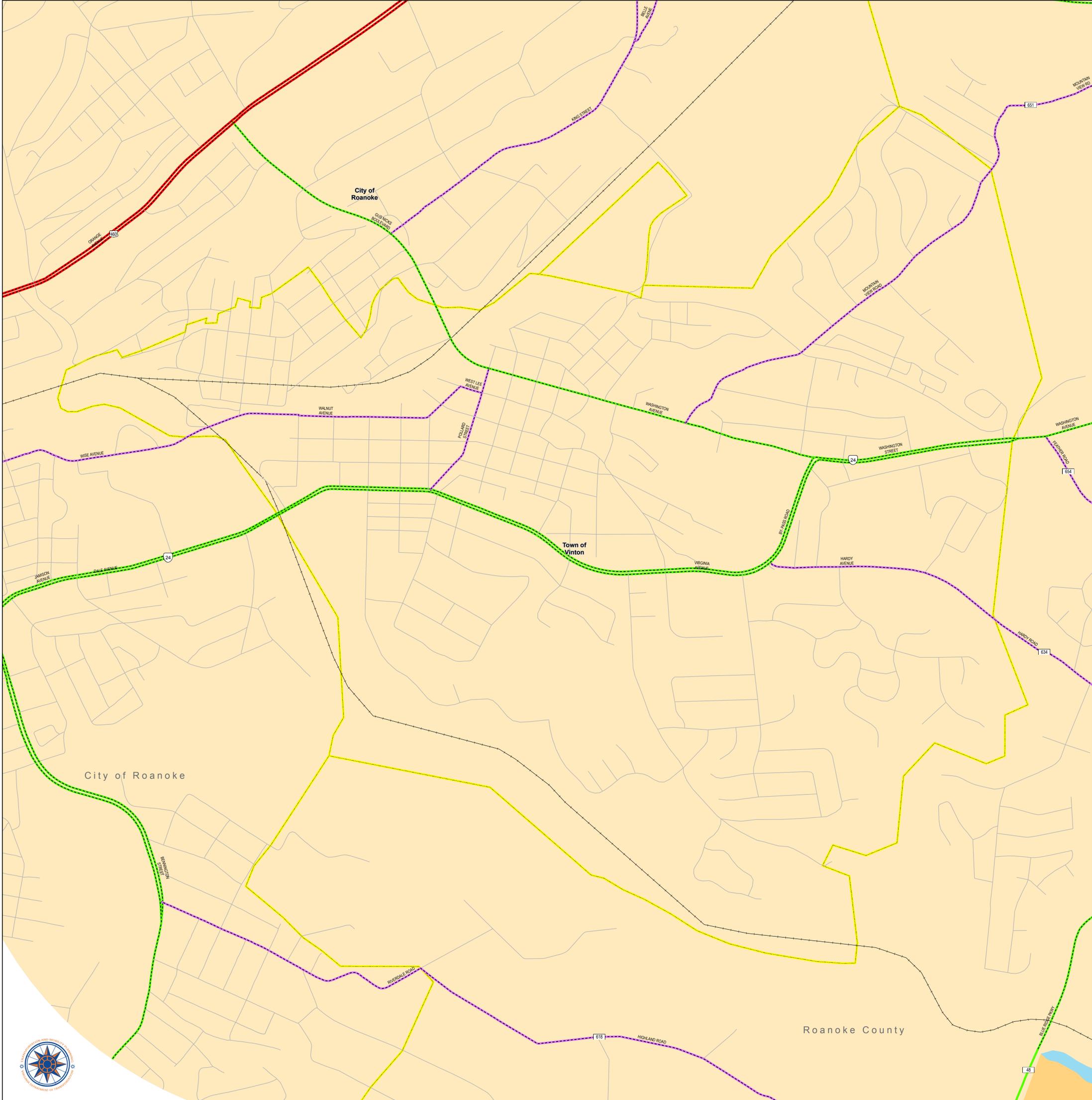
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Proposed	Existing	FUNCTIONAL CLASSIFICATIONS
--- (dashed blue)	--- (solid blue)	Urban Interstate
--- (dashed black)	--- (solid black)	Urban Freeway & Expressway
--- (dashed red)	--- (solid red)	Urban Other Principal Arterial
--- (dashed green)	--- (solid green)	Urban Minor Arterial
--- (dashed purple)	--- (solid purple)	Urban Collector
--- (dashed blue)	--- (solid blue)	Rural Interstate
--- (dashed red)	--- (solid red)	Rural Other Principal Arterial
--- (dashed green)	--- (solid green)	Rural Minor Arterial
--- (dashed purple)	--- (solid purple)	Rural Major Collector
--- (dashed yellow)	--- (solid yellow)	Rural Minor Collector
--- (dashed grey)	--- (solid grey)	Not Classified, Urban Local, Rural Local
		HIGHWAY ROUTE SIGNS
		Interstate
		US Highway
		VA Primary
		VA Secondary
		BOUNDARIES
		Jurisdiction Boundary
		Urban Cluster Boundary
		Urbanized Area Boundary
		MPO Study Area Boundary
		OTHER
		Railroads
		Major Water Feature

VIRGINIA HIGHWAY FUNCTIONAL CLASSIFICATION

**Town of Vinton
2005 Functional Classification**

