

AGENDA

10:00-10:40 am	Plenary Workshop Introduction: Overview of needs assessment process, explanations of methodology, performance measures, and thresholds.
10:40-12:00 pm	<p>Mid-Term Needs Discussion: Breakout groups meet with facilitators to identify mid-term needs and to provide feedback on performance measures and analysis thresholds appropriate for the region.</p> <p style="text-align: center;">Performance Measures</p> <p>1A. Congestion Measure for Interstates and Select Limited Access Facilities- 60% of the speed limit 1B. Congestion Measure for Interstates and Select Limited Access Facilities- 75% of the speed limit 1C. Congestion Measure for Interstates and Select Limited Access Facilities- 90% of the speed limit</p> <p>2. Congestion Measure for Non-Limited Access COSS and Regional Network 3A. Unreliable Demand- Weekday 3B. Unreliable Demand- Weekend 4. Reliability Measure for Non-Limited Access COSS and Regional Network 5A. Amtrak On Time Performance 5B. VRE On Time Performance 6. Accessibility to Activity Centers 7A. Disadvantaged Population Beyond ¼ Mile Access to Fixed-Route Transit Service- 80% Threshold 7B. Disadvantaged Population Beyond ¼ Mile Access to Fixed-Route Transit Service- 90% Threshold 8. Safety: Vehicular Crashes</p>
12:00-1:00 pm	Lunch/ Opportunity to provide comments at UDA “open house” station
1:00-1:20 pm	Breakout groups review & validate main points, prepare for report-out
1:20-1:45 pm	Report Out: Each breakout group provides a brief summary of its key takeaways, 3-5 minutes per group
1:45-2:00 pm	Wrap Up And Next Steps: Plenary presenter invites remaining questions/ comments from full group, offers closing thoughts/ observations, reiterates the process for finalizing mid-term needs.

SUMMARY OF TRANSPORTATION RELATED PLANS/STUDIES

Name of Plan	Agency	Date Published	Vision	Goals	Objectives/Strategies	Performance Measures
New River Valley 2040 Long Range Transportation Plan	NRVMPO	5/3/2018		Improve economic competitiveness and prosperity	Interstate truck traffic improvements. Focus on community transportation and recreational assets.	
				Implement proactive system management	Signal optimization and improvements.	
				Increase accessible and connected places	Strategic corridor improvements. Enhance east-west access on I-81, US 11, Peppers Ferry, Prices Force, and Mud Pike.	
				Improve safety for all users	Pedestrian crosswalk and lighting enhancements. Bicycle and Pedestrian education and enforcement. Infill of fragmented sidewalks and bicycle networks. Separation of bike/car traffic.	
Regional Transit Study	NRVMPO	9/1/2016	The purpose of this study is to investigate potential enhancements at overlapping and high-volume bus stop locations that could improve the perception of public transportation in the region.		Establish a time check at enhanced and/or hub service environment stops to synchronize arrival/departure times. Improve connectivity and expand service area of regional network and decrease waiting times.	
					Ensure that all overlapping stops are handicapped accessible and create connections with surrounding bicycle and pedestrian infrastructure within a half-mile radius.	
					Expand existing services for commuters and non-emergency medical trips. Examples might include: a morning connection between the Town of Christiansburg and Radford, and new connections to the Carilion NRV Medical Center.	
					Incorporate shelters and passenger information (schedules, route info, etc.) at enhanced and/or hub service environment stops. Convey permanence and create opportunities for others to learn about existing transit services. Additionally, create an area that reduces exposure to poor weather conditions and intense sunlight.	
New River Valley 2035 Rural Long-	NRVPDC	2011		Support and improve the economic vitality of the region.	Coordinate between PDC and MPO to establish agency roles, identify funding partners, maintain program vision	
				Develop regional land use and transportation coordination measures.		

Name of Plan	Agency	Date Published	Vision	Goals	Objectives/Strategies	Performance Measures
Range Transportation Plan				Preserve the existing transportation network and promote efficient system management to increase accessibility and mobility of the transportation system.	Utilize existing providers to implement commuter services.	
				Enhance the links and connectivity of the transportation system throughout the region across and between modes for people and freight.	Establish regional transit connections, additional demand response transit. Expand hours and area of service for demand response transit.	
				Provide a safe and secure transportation system.		
I-81 Corridor Improvement Plan	VDOT	Ongoing				

Urban Development Area Needs Assessment- 2019 Responses

Jurisdiction	UDAs or DGAs (#)	VDOT District	Area sq. mi.	Year Designated	Improvement Urgency	Highest Rated Overall Need	Internal UDA Specific Multimodal Transportation Needs (Highest Identified Need)	In Regional Network
Town of Blacksburg	Town of Blacksburg (8)	Salem	1.2	2011	Within 5 years	Safety for All Users; Friendly pedestrian and bicycle environment	transit capacity and access, transit facilities, street grid, bicycle infrastructure, pedestrian infrastructure, complete streets improvements, safety features, intersection design, sidewalks,	Yes
Christiansburg	Christiansburg (4)	Salem	2.4			Circulation and access within the UDA	street grid, pedestrian infrastructure, intersection design, improvements to the natural environment, sidewalks,	Yes
Montgomery County	177 Area and MidCounty	Salem		2011	Within 5 years	<i>Circulation and access within the UDA; Transit enhancements</i>	bicycle infrastructure, pedestrian infrastructure, complete streets improvements, intersection design, sidewalks	Yes
	Belview, Shawsville, Elliston/Lafayette	Salem		2011		<i>Circulation and access within the UDA; Transit enhancements</i>	<i>Intersection Design</i>	Yes
	Riner, Prices Fork	Salem		2011		<i>Circulation and access within the UDA; Transit enhancements</i>	<i>Intersection Design</i>	Yes
	Plum Creek	Salem		2011		<i>Circulation and access within the UDA; Transit enhancements</i>	<i>Intersection Design</i>	Yes

Previous responses Italicized

UDA VARIABLES- INSIDE THE REGIONAL NETWORK

UDA Name	Governing Bodies	Area	Year Designated	Centerline Miles	Population and Density (Persons per Acre) ¹	Employment and Density (Persons per Acre) ²	UDA Transit	Modal Information
Blacksburg Town-UDA A	PDC: New River Valley Regional Commission MPO: New River Valley District: Salem Jurisdiction: Montgomery County	Sq. miles: 0.11 Acres: 71.31	2011	1.13	UDA Population: 67 UDA Population Density: 0.93	UDA employment: 21 Total UDA employment in freight related industries: 0 Total UDA employment in local serving industries: 21 Total UDA employment in knowledge-based industries: 0 UDA Employment density: 0.29	Percent of UDA population served by transit (within 1/4 mile of transit stop): 85% Percent of UDA employment served by transit (within 1/4 mile of transit stop): 81%	Number of bus stops: 18 Miles of bus routes: 2.15 Number of ferry stops: 0 Miles of ferry routes: 0 Number of rail stops: 0 Miles of rail: 0
Blacksburg Town-UDA B	PDC: New River Valley Regional Commission MPO: New River Valley District: Salem Jurisdiction: Montgomery County	Sq. miles: 0.18 Acres: 115.28	2011	1.67	UDA Population: 822 UDA Population Density: 7.13	UDA employment: 1,029 Total UDA employment in freight related industries: 0 Total UDA employment in local serving industries: 835 Total UDA employment in knowledge-based industries: 194 UDA Employment density: 8.92	Percent of UDA population served by transit (within 1/4 mile of transit stop): 97% Percent of UDA employment served by transit (within 1/4 mile of transit stop): 97%	Number of bus stops: 34 Miles of bus routes: 0.87 Number of ferry stops: 0 Miles of ferry routes: 0 Number of rail stops: 0 Miles of rail: 0
Blacksburg Town-UDA C	PDC: New River Valley Regional Commission MPO: New River Valley District: Salem Jurisdiction: Montgomery County	Sq. miles: 0.16 Acres: 100.40	2011	3.02	UDA Population: 1,194 UDA Population Density: 11.90	UDA employment: 459 Total UDA employment in freight related industries: 289 Total UDA employment in local serving industries: 152 Total UDA employment in knowledge-based industries: 17 UDA Employment density: 4.57	Percent of UDA population served by transit (within 1/4 mile of transit stop): 100% Percent of UDA employment served by transit (within 1/4 mile of transit stop): 100%	Number of bus stops: 70 Miles of bus routes: 3.85 Number of ferry stops: 0 Miles of ferry routes: 0 Number of rail stops: 0 Miles of rail: 0
Blacksburg Town-UDA D	PDC: New River Valley Regional Commission MPO: New River Valley District: Salem Jurisdiction: Montgomery County	Sq. miles: 0.05 Acres: 33.37	2011	0.37	UDA Population: 246 UDA Population Density: 7.38	UDA employment: 59 Total UDA employment in freight related industries: 6 Total UDA employment in local serving industries: 39 Total UDA employment in knowledge-based industries: 14 UDA Employment density: 1.75	Percent of UDA population served by transit (within 1/4 mile of transit stop): 86% Percent of UDA employment served by transit (within 1/4 mile of transit stop): 86%	Number of bus stops: 37 Miles of bus routes: 0 Number of ferry stops: 0 Miles of ferry routes: 0 Number of rail stops: 0 Miles of rail: 0
Blacksburg Town-UDA E	PDC: New River Valley Regional Commission MPO: New River Valley District: Salem Jurisdiction: Montgomery County	Sq. miles: 0.13 Acres: 85.29	2011	1.88	UDA Population: 340 UDA Population Density: 3.99	UDA employment: 455 Total UDA employment in freight related industries: 33 Total UDA employment in local serving industries: 327 Total UDA employment in knowledge-based industries: 95 UDA Employment density: 5.36	Percent of UDA population served by transit (within 1/4 mile of transit stop): 100% Percent of UDA employment served by transit (within 1/4 mile of transit stop): 100%	Number of bus stops: 23 Miles of bus routes: 9.04 Number of ferry stops: 0 Miles of ferry routes: 0 Number of rail stops: 0 Miles of rail: 0
Blacksburg Town-UDA F	PDC: New River Valley Regional Commission MPO: New River Valley District: Salem Jurisdiction: Montgomery County	Sq. miles: 0.11 Acres: 66.93	2011	2.79	UDA Population: 83 UDA Population Density: 1.24	UDA employment: 229 Total UDA employment in freight related industries: 86 Total UDA employment in local serving industries: 125 Total UDA employment in knowledge-based industries: 18 UDA Employment density: 3.43	Percent of UDA population served by transit (within 1/4 mile of transit stop): 100% Percent of UDA employment served by transit (within 1/4 mile of transit stop): 100%	Number of bus stops: 26 Miles of bus routes: 8.34 Number of ferry stops: 0 Miles of ferry routes: 0 Number of rail stops: 0 Miles of rail: 0

UDA Name	Governing Bodies	Area	Year Designated	Centerline Miles	Population and Density (Persons per Acre) ¹	Employment and Density (Persons per Acre) ²	UDA Transit	Modal Information
Blacksburg Town-UDA G	PDC: New River Valley Regional Commission MPO: New River Valley District: Salem Jurisdiction: Montgomery County	Sq. miles: 0.04 Acres: 25.85	2011	0.63	UDA Population: 27 UDA Population Density: 1.06	UDA employment: 44 Total UDA employment in freight related industries: 3 Total UDA employment in local serving industries: 7 Total UDA employment in knowledge-based industries: 34 UDA Employment density: 1.72	Percent of UDA population served by transit (within 1/4 mile of transit stop): 100% Percent of UDA employment served by transit (within 1/4 mile of transit stop): 100%	Number of bus stops: 25 Miles of bus routes: 1.73 Number of ferry stops: 0 Miles of ferry routes: 0 Number of rail stops: 0 Miles of rail: 0
Blacksburg Town-UDA H	PDC: New River Valley Regional Commission MPO: New River Valley District: Salem Jurisdiction: Montgomery County	Sq. miles: 0.46 Acres: 291.83	2011	5.40	UDA Population: 388 UDA Population Density: 1.33	UDA employment: 1,060 Total UDA employment in freight related industries: 16 Total UDA employment in local serving industries: 971 Total UDA employment in knowledge-based industries: 73 UDA Employment density: 3.63	Percent of UDA population served by transit (within 1/4 mile of transit stop): 44% Percent of UDA employment served by transit (within 1/4 mile of transit stop): 44%	Number of bus stops: 25 Miles of bus routes: 5.83 Number of ferry stops: 0 Miles of ferry routes: 0 Number of rail stops: 0 Miles of rail: 0
Christiansburg - Downtown Area	PDC: New River Valley Regional Commission MPO: New River Valley District: Salem Jurisdiction: Montgomery County	Sq. miles: 0.36 Acres: 231.84		8.76	UDA Population: 566 UDA Population Density: 2.44	UDA employment: 1,325 Total UDA employment in freight related industries: 170 Total UDA employment in local serving industries: 980 Total UDA employment in knowledge-based industries: 174 UDA Employment density: 5.71	Percent of UDA population served by transit (within 1/4 mile of transit stop): 100% Percent of UDA employment served by transit (within 1/4 mile of transit stop): 100%	Number of bus stops: 35 Miles of bus routes: 7.83 Number of ferry stops: 0 Miles of ferry routes: 0 Number of rail stops: 0 Miles of rail: 0
Christiansburg - Institute	PDC: New River Valley Regional Commission MPO: New River Valley District: Salem Jurisdiction: Montgomery County	Sq. miles: 0.48 Acres: 305.28		6.84	UDA Population: 953 UDA Population Density: 3.12	UDA employment: 582 Total UDA employment in freight related industries: 135 Total UDA employment in local serving industries: 341 Total UDA employment in knowledge-based industries: 107 UDA Employment density: 1.91	Percent of UDA population served by transit (within 1/4 mile of transit stop): 88% Percent of UDA employment served by transit (within 1/4 mile of transit stop): 88%	Number of bus stops: 28 Miles of bus routes: 9.70 Number of ferry stops: 0 Miles of ferry routes: 0 Number of rail stops: 0 Miles of rail: 0
Christiansburg - Mall Area	PDC: New River Valley Regional Commission MPO: New River Valley District: Salem Jurisdiction: Montgomery County	Sq. miles: 1.56 Acres: 999.59		20.85	UDA Population: 1,580 UDA Population Density: 1.58	UDA employment: 3,820 Total UDA employment in freight related industries: 55 Total UDA employment in local serving industries: 3,604 Total UDA employment in knowledge-based industries: 161 UDA Employment density: 3.82	Percent of UDA population served by transit (within 1/4 mile of transit stop): 56% Percent of UDA employment served by transit (within 1/4 mile of transit stop): 56%	Number of bus stops: 28 Miles of bus routes: 36.78 Number of ferry stops: 0 Miles of ferry routes: 0 Number of rail stops: 0 Miles of rail: 0
Montgomery County - Montgomery County UDAs	PDC: New River Valley Regional Commission MPO: New River Valley District: Salem Jurisdiction: Montgomery County	Sq. miles: 12.07 Acres: 7,725.16	2011	91.97	UDA Population: 1,843 UDA Population Density: 0.24	UDA employment: 1,191 Total UDA employment in freight related industries: 878 Total UDA employment in local serving industries: 239 Total UDA employment in knowledge-based industries: 74 UDA Employment density: 0.15	Percent of UDA population served by transit (within 1/4 mile of transit stop): 0% Percent of UDA employment served by transit (within 1/4 mile of transit stop): 0%	Number of bus stops: 0 Miles of bus routes: 2.88 Number of ferry stops: 0 Miles of ferry routes: 0 Number of rail stops: 0 Miles of rail: 0
Montgomery County-Mid County	PDC: New River Valley Regional Commission MPO: New River Valley District: Salem Jurisdiction: Montgomery County	Sq. miles: 0.43 Acres: 276.75	2011	4.73	UDA Population: 367 UDA Population Density: 1.32	UDA employment: 157 Total UDA employment in freight related industries: 34 Total UDA employment in local serving industries: 85 Total UDA employment in knowledge-based industries: 37 UDA Employment density: 0.57	Percent of UDA population served by transit (within 1/4 mile of transit stop): 9% Percent of UDA employment served by transit (within 1/4 mile of transit stop): 9%	Number of bus stops: 1 Miles of bus routes: 0 Number of ferry stops: 0 Miles of ferry routes: 0 Number of rail stops: 0 Miles of rail: 0

UDA Name	Governing Bodies	Area	Year Designated	Centerline Miles	Population and Density (Persons per Acre) ¹	Employment and Density (Persons per Acre) ²	UDA Transit	Modal Information
Montgomery County-Route 177 Area	PDC: New River Valley Regional Commission MPO: New River Valley District: Salem Jurisdiction: Montgomery County	Sq. miles: 0.85 Acres: 543.70	2011	13.83	UDA Population: 94 UDA Population Density: 0.17	UDA employment: 154 Total UDA employment in freight related industries: 8 Total UDA employment in local serving industries: 138 Total UDA employment in knowledge-based industries: 7 UDA Employment density: 0.28	Percent of UDA population served by transit (within 1/4 mile of transit stop): 0% Percent of UDA employment served by transit (within 1/4 mile of transit stop): 0%	Number of bus stops: 0 Miles of bus routes: 0 Number of ferry stops: 0 Miles of ferry routes: 0 Number of rail stops: 0 Miles of rail: 0

¹ Source: United States Census Bureau, American Community Survey 2013-2017

² Source: United States Census Bureau, Longitudinal Employer-Household Dynamics 2015

UDA VARIABLES- OUTSIDE THE REGIONAL NETWORK

UDA Name	Governing Bodies	Area	Year Designated	Centerline Miles	Population and Density (Persons per Acre) ¹	Employment and Density (Persons per Acre) ²	UDA Transit	Modal Information
Town of Narrows - UDA 1	PDC: New River Valley Regional Commission MPO: N/A District: Salem Jurisdiction: Giles County	Sq. miles: 0.06 Acres: 36.78	2016	1.62	UDA Population: 21 UDA Population Density: 0.58	UDA employment: 74 Total UDA employment in freight related industries: 8 Total UDA employment in local serving industries: 66 Total UDA employment in knowledge-based industries: 0 UDA Employment density: 2.02	Percent of UDA population served by transit (within 1/4 mile of transit stop): 0% Percent of UDA employment served by transit (within 1/4 mile of transit stop): 0%	Number of bus stops: 0 Miles of bus routes: 0 Number of ferry stops: 0 Miles of ferry routes: 0 Number of rail stops: 0 Miles of rail: 0

¹ Source: United States Census Bureau, American Community Survey 2013-2017

² Source: United States Census Bureau, Longitudinal Employer-Household Dynamics 2015

UDA VARIABLES

UDA Name	Governing Bodies	Area	Year Designated	Centerline Miles	Population and Density (Persons per Acre) ¹	Employment and Density (Persons per Acre) ²	UDA Transit	Modal Information
Town of Narrows - UDA 1	PDC: New River Valley Regional Commission MPO: N/A District: Salem Jurisdiction: Giles County	Sq. miles: 0.06 Acres: 36.78	2016	1.62	UDA Population: 21 UDA Population Density: 0.58	UDA employment: 74 Total UDA employment in freight related industries: 8 Total UDA employment in local serving industries: 66 Total UDA employment in knowledge-based industries: 0 UDA Employment density: 2.02	Percent of UDA population served by transit (within 1/4 mile of transit stop): 0% Percent of UDA employment served by transit (within 1/4 mile of transit stop): 0%	Number of bus stops: 0 Miles of bus routes: 0 Number of ferry stops: 0 Miles of ferry routes: 0 Number of rail stops: 0 Miles of rail: 0

¹ Source: United States Census Bureau, American Community Survey 2013-2017

² Source: United States Census Bureau, Longitudinal Employer-Household Dynamics 2015