4

PERFORMANCE AND RECOMMENDATIONS

DEFICIENCY EVALUATION

The Moving Ahead for Progress in the 21st Century (MAP-21) Transportation Reauthorization bill (P.L.112-141), which took effect in 2012 places greater emphasis on performance-based planning and measures as well as performance-based funding approaches. The bill established national performance goals in seven categories; safety, infrastructure condition, congestion reduction, system reliability, freight movement and economic vitality, environmental sustainability, and reduced project delivery delays. To measure progress towards meeting these goals the bill sets out a set of transportation performance measures. MPO's, DOT's and other stakeholders have been working to implement the measures into their planning systems. For the rural areas in Virginia, implementation is on the statewide level with rural plans supporting the statewide goals. Projects included in the RLRP have been reviewed with this in mind.

On the state level, the Smart Scale process has transformed how funding is allocated to transportation projects. Projects must compete for funding based on expected quantifiable outcomes tied to a common set of performance measures. This is further reflected in VTRANS 2040, which is the State's transportation plan. As a result of these policy changes the 2040 RLRP integrated performance-based planning at its core. This included ensuring that the plan's goals and objectives were aligned with Map-21 and that projects were evaluated to determine their potential performance under the Smart Scale scoring systems. Projects identified in this chapter were screened using a performance measure-based project ranking and prioritization tool. By utilizing this approach all projects have been shown to provide transportation benefits falling into the following categories:

- Safety
- Geometry structure
- Bridge sufficiency
- Capacity

The 2040 Rural Long-Range Transportation Plan is designed to identify projects that have the potential to do well and get funded by Smart Scale. To that end, all projects presented in the plan recommendations were evaluated against Smart Scale scoring proxies. A detailed discussion of the Smart Scale process is included in this section. For additional information about Smart Scale please visit www.smartscale.org

To assist in scoring projects TJPDC staff used a spreadsheet scoring template developed by the VDOT Lynchburg office. The spreadsheet tool allowed projects to be evaluated and ranked based on similar categories and weights to Smart Scale and VTRANS. Goals and weights used in evaluating projects included in the plan are highlighted in the table at the top of page 44.

PERFORMANCE AND RECOMMENDATIONS

GOAL	WEIGHTS USED FOR SCORING (MATCHING SMART SCALE CATEGORY C)
Goal 1: Provide a transportation system that facilitates the efficient movement of people and goods	15%
Goal 2: Provide a safe and secure transportation system	25%
Goal 3: Retain and increase business and employment opportunities	25%
Goal 4: Improve quality of life and protect the environment	10%
Goal 5: Preserve the existing transportation system and promote efficient system management	25%
Additional points for multimodal transportation	0%

The planning process involved TJPDC staff working with local jurisdictions and the MPO-Technical committee to review project lists in the 2035 Rural Long-Range Transportation plan. These reviews took into account new studies and statewide priorities including STARS, the Route 76 Bike Route study, VTRANS 2040 and local comprehensive plans. To further inform this exercise, Planning District staff conducted a region- wide deficiency analyses using all available data on roadway performance, safety, access to employment, state of good repair and impacts on the natural and human environment. Once the analyses were completed and project areas were identified, the project areas were then fed into the spreadsheet-based scoring tool. This allowed projects to be evaluated and prioritized on a county basis. The projects presented on the following pages are the result of this process.

Photo Credit: Virginia Department of Transportation

Recommendations in the plan are categorized as follows:

1. Safety

Recommendations were developed for both intersections and segments throught the region. The recommendations are identified by jurisdiction in blue.

2. Geometry and Structure

a. Geometric Conditions

Roadways and intersections with geometric deficiencies such as substandard lane width, shoulder width, or horizontal and vertical curvature, were identified from the VDOT Statewide Planning System (SPS) database. Higher priorities were given to those roadways with potential geometric concerns that also carried higher levels of traffic. Recommendations to address these needs are identified by juridiction in green.

b. Bridge Condition

Current bridge sufficiency ratings were reviewed and those structures with a rating of less than 50 were considered deficient and in need of structual upgrades or replacement. These appear in a separate table by juridiction. A functionally obsolete structure has an appraisal rating of three or worse for the deck geometry, under clearance, approach roadway alignment, structural condition or waterway adequacy. This designation means that the structure was built to standards for these criteria that are less conservative than those used today. Please refer to page 26 for Bridge Sufficiencies.

3. Operation

Operational deficiencies focus on problem areas not related to safety, geometry, or capacity. Operational needs address intersection and roadway characteristics that cause localized issues or present challenges for multimodal users. Many of the operational recommendations fall into the long-term recommendations or focus on continued monitoring of potential problem areas.

4. Capacity

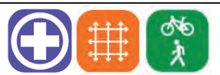
Analyses were conducted for intersections identified by the TJPDC and local governments as priority study locations. Forecasted deficiencies are applicable only to anticipated mobility performance measures, since it is not possible to forecast safety issues or geometric and structural deficiencies.

VTRANS

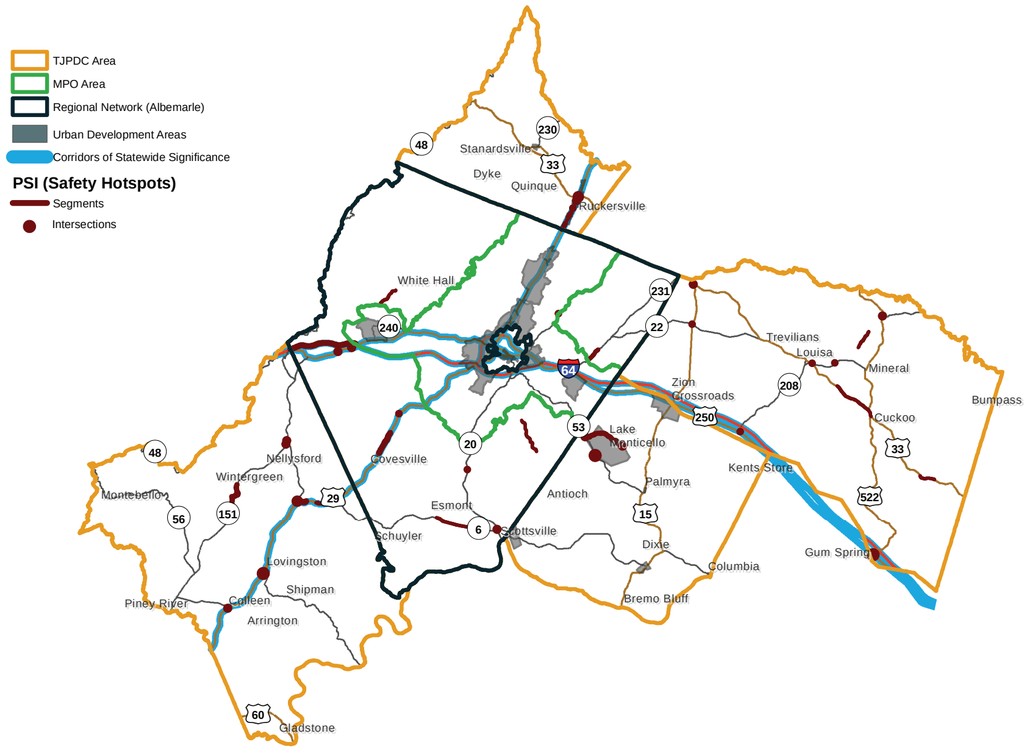
VTRANS is the long-range, statewide multi-modal policy plan that lays out overarching Vision and Goals for transportation in the Commonwealth. It identifies transportation Investment Priorities and provides direction to transportation agencies on strategies and programs to be incorporated into their plans and programs. The VTRANS 2040 Multi-modal Transportation Plan has identified transportation needs throughout the Commonwealth. Many of the needs identified in VTRANS are reflected in this plan. These include projects on the regions Corridors of Statewide Significance, Regional Networks, Urban Development areas, and Statewide Safety Needs. VTRANS needs within the planning District are shown on the adjacent VTRANS Needs map.

In addition to screening projects for VTRANS Needs, the VTRANS 2025 Needs assessment and Recommendations were referenced during project identification. Detailed recommendations for the Culpepper and Lynchburg Districts are included in the plan appendix. A list of relevant recommendations for the Culpepper District are below.

Note: There were no Lynchburg District recommendations within the the TJPDC.

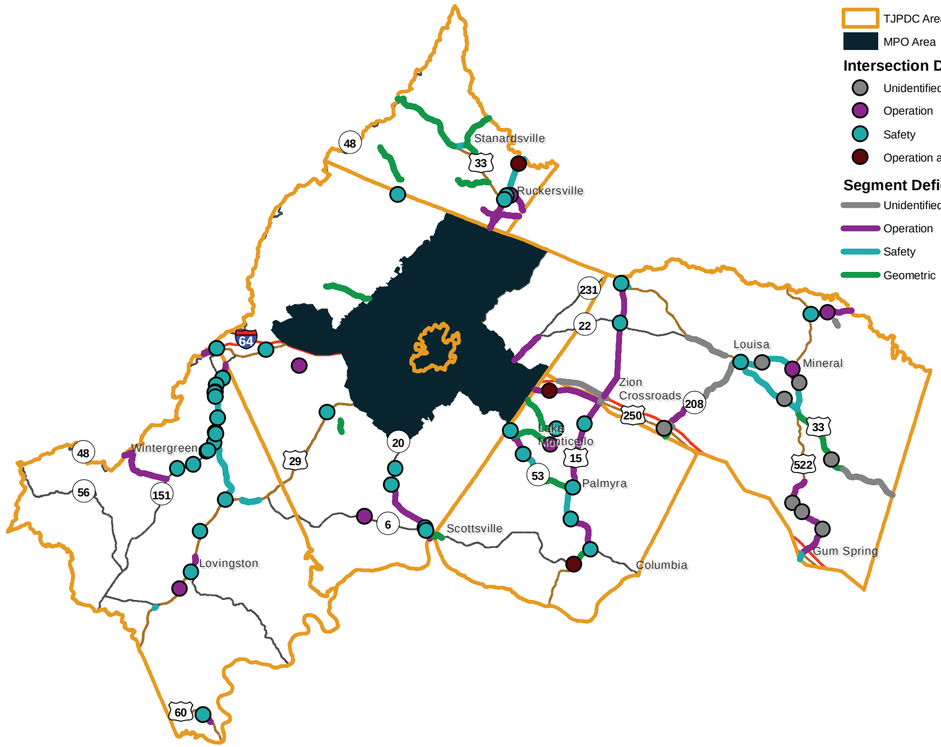
Need ID	Need Description	Need Icons	Total Score (out of 20)	Final Tiering
C.8	Within the Culpepper District, US 29 between Charlottesville and Culpepper has mode choice (mode choice needs now represented by expanded C.4) and safety needs		16	II
C.9	Within the Culpepper District, I-64 and US 250 for east-west intercity travel from Charlottesville have redundancy and mode choice issues		23	II
C.10	Within the Culpepper District, Fluvanna County UDA's have safety, network connectivity, and pedestrian/bicycle access issues		7	III

VTRANS NEEDS



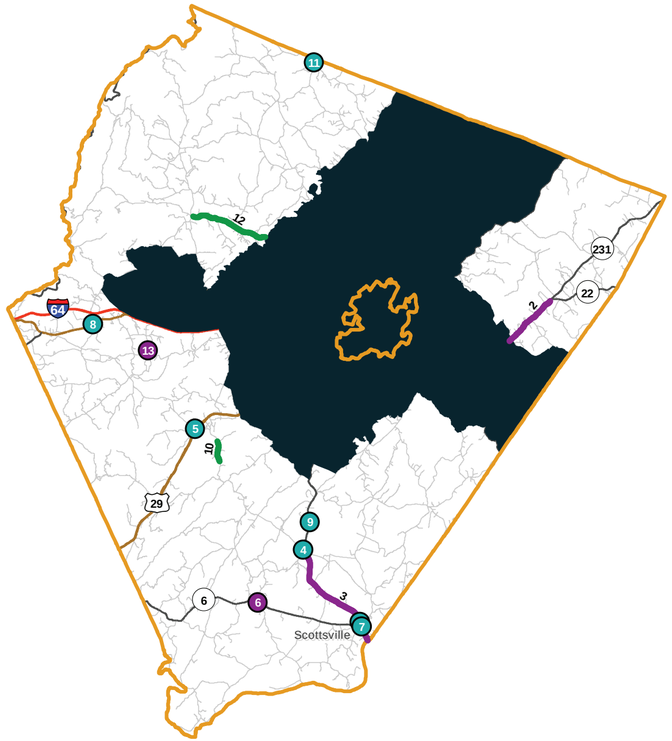
TJPDC REGION

ROADWAY SYSTEM DEFICIENCIES



ALBEMARLE COUNTY

ROADWAY SYSTEM DEFICIENCIES



PERFORMANCE AND RECOMMENDATIONS

ALBEMARLE COUNTY | PRIORITIZATIONS

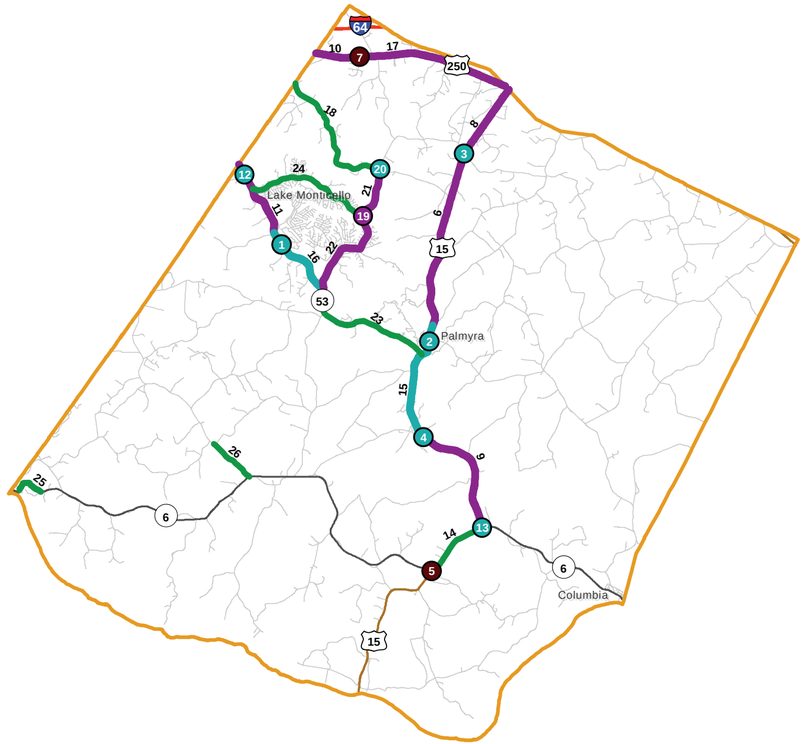
VTRANS Needs Key: CoSS: 1 Safety: 2 UDA: 3 Regional Network: 4

Rank	Project Name	Project ID	Type	Route	From	To
1	VA 20/VA 726	307	Intersection	VA 20/VA 726	VA 20 (Valley Street)	VA 726 (James River Road)
2	Gordonsville Road-South	308	Segment	VA 231	VA 22 (Louisa Road)	Charlottesville-Albemarle MPO
3	Scottsville Road-North	303	Segment	VA 20	VA 712 (Plank Road)	Charlottesville-Albemarle MPO
4	VA 20/VA 712	304	Intersection	VA 20/VA 712	VA 20 (Scottsville Road)	VA 712 (Plank Road)
5	US 29/VA 692	310	Intersection	US 29/VA 692	US 29 (Monacan Trail Road)	VA 692 (Plank Road)
6	VA 6/VA 627	306	Intersection	VA 6/VA 627	VA 6 (Irish Road)	VA 627 (Porters Road)
7	VA 20/VA 6	309	Intersection	VA 20/VA 6	VA 20 (Valley Street)	VA 6 (Irish Road)
8	US 250/VA 691	311	Intersection	US 250/VA 691	US 250 (Rockfish Gap Turnpike)	VA 691 (Ortman Road)
9	VA 20/VA 720	302	Intersection	VA 20/VA 720	VA 20 (Scottsville Road)	VA 720 (Harris Creek Road)
10	Plank Road	312	Segment	VA 712	VA 813 (Starlight Road)	VA 1012 (Garden Gate Road)
11	VA 810/VA 663	313	Intersection	VA 810/VA 663	VA 810 (Dyke Road)	VA 663 (Simmons Gap Road)
12	Garth Road	314	Segment	VA 614	VA 810 (White Hall Road)	Charlottesville-Albemarle MPO
13	VA 635/VA 637	315	Intersection	VA 635/VA 637	VA 635 (Miller School Road)	VA 637 (Dick Woods Road)

Rank	Lanes	VTRANS Needs	Description
1	2	2, 3, 4	Monitor for safety improvements
2	2	2	Long-Term: Spot safety and geometric improvements, full-width lanes and pave shoulders for bikes
3	2	2	Long-Term: Spot safety and geometric improvements and pave shoulders for bikes
4	2	3, 4	Mid-Term: Reconstruct westbound lanes; Long-Term: Realign or relocate intersection to improve geometry and sight distance
5	2	1, 2, 3, 4	Mid-Term: Lengthen left turn lanes
6	2	3, 4	Long-Term: Realign or relocate intersection to improve geometry and sight distance
7	2	3, 4	Long-Term: Improve alignment of intersection (Town of Scottsville)
8	2	1, 2, 3, 4	Long-Term: Reconstruct intersection to improve safety
9	2	2, 3, 4	Monitor for safety improvements
10	2		Long-Term: Reconstruct road to address geometric deficiencies (including full-width lanes and shoulders)
11	2	3, 4	Monitor for safety improvements
12	2		Long-Term: Realign to improve geometry and sight distance
13	2	3, 4	Long-Term: Reconstruct with alternative intersection treatments

FLUVANNA COUNTY

ROADWAY SYSTEM DEFICIENCIES



PERFORMANCE AND RECOMMENDATIONS

FLUVANNA COUNTY | PRIORITIZATIONS

VTRANS Needs Key: CoSS: 1 Safety: 2 UDA: 3 Regional Network: 4

Rank	Project Name	Project ID	Type	Route	From	To	Lanes	VTRANS Needs	Description
1	VA 53/ VA 1015 Intersection	6501	Intersection	VA 53/VA 1015	VA 53 (Thomas Jefferson Parkway)	VA 1015 (Turkeysag Trail)	2	2	Long-Term: Reconstruct a roundabout
2	US 15/VA 601 Intersection	6503	Intersection	US 15/VA 601	VA 601 (Courthouse Road)	US 15 (James Madison Highway)	2	2, 3	Monitor for safety improvements
3	US 15/VA 631 Intersection	6504	Intersection	US 15/VA 631	US 15 (James Madison Highway)	VA 631 (Troy Road)	2	2	Monitor for safety improvements
4	US 15/VA 673 Intersection	6505	Intersection	US 15/VA 673	US 15 (James Madison Highway)	VA 673 (Bethel Church Road)	2		Monitor for safety improvements
5	US 15/US 6 Intersection	6506	Intersection	US 15/VA 6	US 15 (James Madison Highway)	VA 6 (West River Road)	2	2, 3	Long-Term: Reconstruct intersection as one-lane roundabout
6	James Madison Highway-North	6507	Segment	US 15	VA 616 (Union Mills Road)	VA 632 (Ridge Road)	2		Long-Term: Reconstruct road to address geometric deficiencies (including full-width lanes and shoulders)
7	US 250/VA 1030 Intersection	6508	Intersection	US 250/VA 1030	US 250 (Richmond Road)	VA 1030 (Fieldstone Drive)	2	1	Monitor for operational and safety improvements
8	James Madison Highway-Zion	6509	Segment	US 15	Louisa County Line	VA 616 (Union Mills Road)	2	3	Long-Term: Reconstruct road to address geometric deficiencies (including full-width lanes and shoulders)
9	James Madison Highway-South	6510	Segment	US 15	VA 673 (Bethel Church Road)	VA 6 (East River Road)	2		Long-Term: Reconstruct road to address geometric deficiencies (including full-width lanes and shoulders)
10	Richmond Road-West	6511	Segment	US 250	Albemarle County Line	VA 600 (Paynes Mill Road)	2	1	Long-Term: Widen to four lanes within median
11	Thomas Jefferson Parkway-West	6512	Segment	VA 53	Albemarle County Line	VA 636 (Nahor Manor Road)	2	2	Long-Term: Reconstruct road to address geometric deficiencies (including full-width lanes and shoulders)
12	VA 53/Martin Kings Intersection	6513	Intersection	VA 53/VA 618	VA 53 (Thomas Jefferson Parkway)	VA 618 (Martin Kings Road)	2		Short-Term: Maintenance and replace signage
13	VA 53/Lake Monticello Road Intersection	6514	Intersection	VA 53/VA 618	VA 53 (Thomas Jefferson Parkway)	VA 618 (Lake Monticello Road)	2	2	Mid-Term: Add turn lanes and consider a roundabout; Long-Term: Reconstruct roadway to lower vertical curve
14	James Madison Highway	6515	Segment	VA 6/US 15	VA 6 (West River Road)	US 15 (James Madison Highway)	2		Long-Term: Reconstruct road to address geometric deficiencies (including full-width lanes and shoulders)
15	James Madison Highway-Central	6516	Segment	US 15	VA 632 (Ridge Road)	VA 673 (Bethel Church Road)	2		Monitor for safety improvements

PERFORMANCE AND RECOMMENDATIONS

FLUVANNA COUNTY | PRIORITIZATIONS

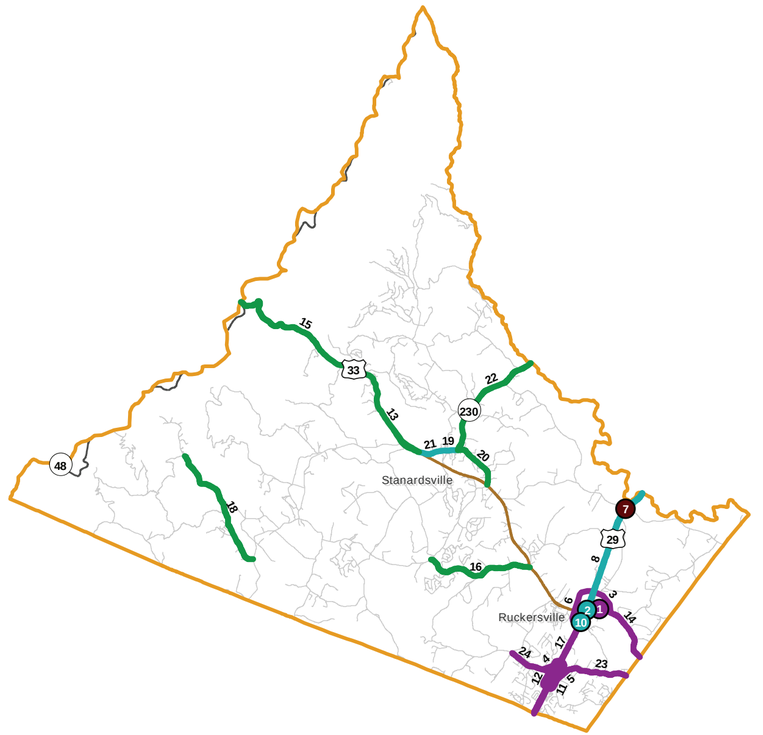
VTRANS Needs Key: CoSS: 1 Safety: 2 UDA: 3 Regional Network: 4

Rank	Project Name	Project ID	Type	Route	From	To
16	Thomas Jefferson Parkway-Central	6517	Segment	VA 53	VA 636 (Nahor Manor Road)	VA 600 (South Boston Road)
17	Richmond Road-East	6518	Segment	US 250	VA 600 (Paynes Mill Road)	Louisa County Line
18	Union Mills Road	6519	Segment	VA 616	Albemarle County Line	VA 600 (South Boston Road)
19	VA 600/VA 618	6520	Intersection	VA 600/VA 618	VA 600 (South Boston Road)	VA 618 (Lake Monticello Road)
20	VA 600/VA 616	6521	Intersection	VA 600/VA 616	VA 600 (South Boston Road)	VA 616 (Union Mills Road)
21	South Boston Road-North	6522	Segment	VA 600	VA 618 (Lake Monticello Road)	VA 616 (Union Mills Road)
22	South Boston Road-Central	6523	Segment	VA 600	VA 53 (Thomas Jefferson Parkway)	VA 618 (Lake Monticello Road)
23	Thomas Jefferson Parkway-East	6524	Segment	VA 53	VA 600 (South Boston Road)	US 15 (James Madison Highway)
24	Lake Monticello Road	6525	Segment	VA 618	VA 53 (Thomas Jefferson Parkway)	VA 600 (South Boston Road)
25	West River Road	6526	Segment	VA 6	Scottsville Town Line	VA 675 (Old Drivers Hill Road)
26	Rolling Road-South	6527	Segment	VA 620	VA 6 (West River Road)	VA 639 (Long Acre Road)

Rank	Lanes	VTRANS Needs	Description
16	2	2	Long-Term: Reconstruct road to address geometric deficiencies (including full-width lanes and shoulders)
17	2	1	Long-Term: Widen to four lanes with median
18	2		Long-Term: Consider roundabout or signalization and addition of turn lanes
19	2	2, 3	Mid-Term: Add turn lanes and consider a roundabout; Long-Term: Reconstruct roadway to lower vertical curve
20	2		Long-Term: Reconstruct with alternative intersection treatments
21	2		Long-Term: Widen to four lanes
22	2		Long-Term: Widen to four lanes
23	2		Long-Term: Reconstruct road to address geometric deficiencies (including full-width lanes and shoulders)
24	2		Long-Term: Reconstruct road to address geometric deficiencies (including full-width lanes and shoulders)
25	2	3	Long-Term: Realign to improve geometry and sight distance
26	2		Long-Term: Reconstruct road to address geometric deficiencies (including full-width lanes and shoulders)

GREENE COUNTY

ROADWAY SYSTEM DEFICIENCIES



PERFORMANCE AND RECOMMENDATIONS

GREENE COUNTY | PRIORITIZATIONS

VTRANS Needs Key: CoSS: 1 Safety: 2 UDA: 3 Regional Network: 4

Rank	Project Name	Project ID	Type	Route	From	To	Lanes	VTRANS Needs	Description
1	US 33/VA 680	7901	Intersection	US 33/VA 680	US 33 (Spotswood Trail)	VA 680 (Pinewood Court)	2	1, 2, 3	Long-Term: Realign or relocate intersection to improve geometry and sight distance
2	US 29/US 33	7902	Intersection	US 29/33	US 29 (Seminole Trail)	US 33 (Spotswood Trail)	6	1, 3	Deficiency with low priority, continue to monitor for potential improvements
3	New Road, Northeast US 29/US 33	7903	Segment	New	US 29 (Seminole Trail)	US 33 (Spotswood Trail)	2	1, 2, 3	Long-Term: Construct new roadway
4	New Road West US 29/ VA 607	7904	Segment	New	US 29 (Seminole Trail)	VA 607 (Cedar Grove Road)	2	1, 2, 3	Long-Term: Construct new roadway
5	New Road, East US 29/ VA 607	7905	Segment	New	US 29 (Seminole Trail)	VA 607 (Matthew Mill Road)	2	1, 3	Long-Term: Construct new roadway
6	New Parallel, West US 29/US 33	7906	Segment	New	US 29 (Seminole Trail)	US 29 (Seminole Trail)	2	1	Long-Term: Construct new roadway
7	US 29/VA 609	7907	Intersection	US 29/VA 609	US 29 (Seminole Trail)	VA 609 (Fredericksburg Road)	4	1, 2	Long-Term: Reconstruct intersection to improve safety
8	Seminole Trail-North	7908	Segment	US 29	US 33 (Spotswood Trail)	Madison County Line	4	1	Long-Term: Elimate crossovers
10	US 29/VA 616	7910	Intersection	US 29/VA 616	US 29 (Seminole Trail)	VA 616 (Carpenter Mill Road)	4	1, 2, 3	Short-Term: Maintenance and improve signage; Long-Term: Add curb and gutter to eastbound roadway
11	New Parallel, East US 29/ VA 607	7911	Segment	New	US 29 (Seminole Trail)	US 29 (Seminole Trail)	2	1, 2, 3	Long-Term: Construct new roadway
12	New Parallel, West US 29/VA 607	7912	Segment	New	US 29 (Seminole Trail)	US 29 (Seminole Trail)	2		Long-Term: Construct new roadway
13	Spotswood Trail-Central	7913	Segment	US 33	VA 636 (Goose Pond Road)	US 33 Business-West	4		Monitor for geometric improvements
14	Spotswood Trail-East	7914	Segment	US 33	US 29 (Seminole Trail)	Orange County Line	2	2, 3	Long-Term: Widen road to increase capacity and/or accommodate travel demand on alternative corridors
15	Spotswood Trail-West	7915	Segment	US 33	Rockingham County Line	VA 636 (Goose Pond Road)	2		Monitor for geometric improvements
16	Amicus Road	7916	Segment	VA 633	VA 623 (Swift Run Road)	US 33 (Spotswood Trail)	2		Long-Term: Reconstruct road to address geometric deficiencies (including full-width lanes and shoulders)
17	Seminole Trail-South	7917	Segment	US 29	Albemarle County Line	US 33 (Spotswood Trail)	4	1, 2, 3	Long-Term: Widen to six lanes with median, remove traffic signals and upgrade to provide alternative forms of access, including interchanges
18	Bacon Hollow Road	7918	Segment	VA 627	VA 632 (Wyatt Mountain Road)	VA 810 (Dyke Road)	2		Long-Term: Reconstruct road to address geometric deficiencies (11-foot lanes)
19	Main Street-Central	7919	Segment	US 33 Business	VA 230 (Madison Road)	VA 622 (Celt Road)	2	3	Mid-Term: Consider conducting a truck circulation study; Long-Term: Consider prohibiting truck through traffic (Town of Standardsville)
20	Main Street-East	7920	Segment	US 33	VA 230 (Madison Road)	US 33 (Spotswood Trail-West)	2		Long-Term: Reconstruct road to address geometric deficiencies (including full-width lanes and shoulders)

PERFORMANCE AND RECOMMENDATIONS

GREENE COUNTY | PRIORITIZATIONS

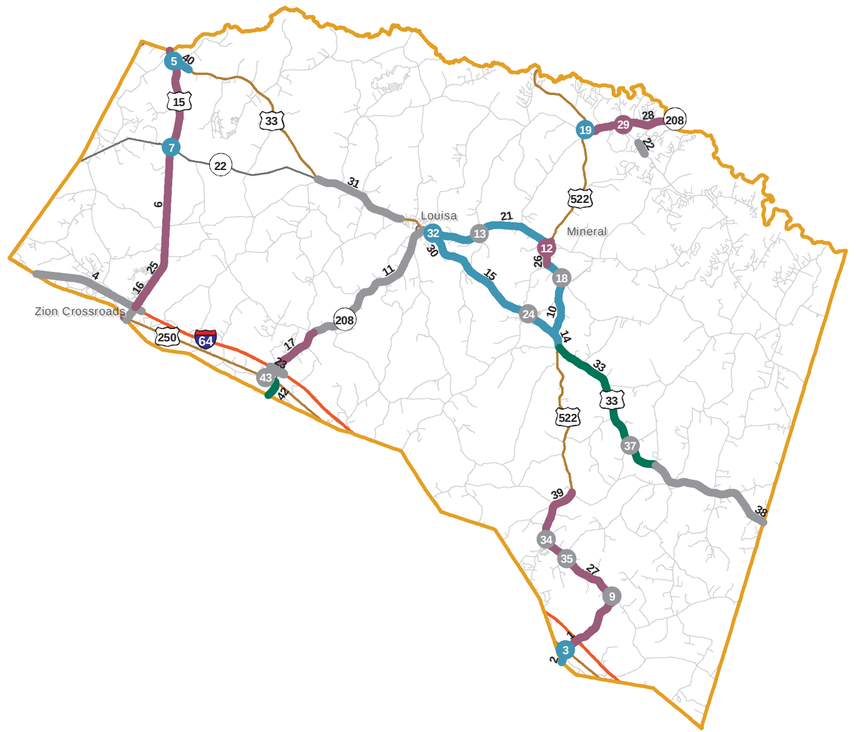
VTRANS Needs Key: CoSS: 1 Safety: 2 UDA: 3 Regional Network: 4

Rank	Project Name	Project ID	Type	Route	From	To
21	Main Street-West	7921	Segment	US 33 Business	US 33 (Spotswood Trail)	VA 622 (Celt Road)
22	Madison Road	7922	Segment	VA 230	US 33 Business	Madison County Line
23	Matthew Mill Road	7923	Segment	VA 607	US 29 (Seminole Trail)	Orange County Line
24	Cedar Grove Road	7924	Segment	VA 607	US 29 (Seminole Trail)	VA 743 (Advance Mills Road)

Rank	Lanes	VTRANS Needs	Description
21	2		Deficiency with low priority, continue to monitor for potential improvements
22	2		Long-Term: Reconstruct road to address geometric deficiencies (including full-width lanes and shoulders)
23	2	2	Long-Term: Widen road to increase capacity and/or accommodate travel demand on alternative corridors
24	2	2	Deficiency with low priority, continue to monitor for potenetial improvements

LOUISA COUNTY

ROADWAY SYSTEM DEFICIENCIES



PERFORMANCE AND RECOMMENDATIONS

LOUISA COUNTY | PRIORITIZATIONS

VTRANS Needs Key: CoSS: 1 Safety: 2 UDA: 3 Regional Network: 4

Rank	Project Name	Project ID	Type	Route	From	To	Lanes	VTRANS Needs	Description
1	Cross County Road-South	10901	Segment	US 522	US 250 (Three Notch Road)	Interstate 64	2	1, 2	Long-Term: Widen to four lanes with median
2	Sandy Hook Road	10902	Segment	US 522	Goochland County Line	US 522 (Cross County Road)	2	1, 2	
3	US 522/US 250	10903	Intersection	US 522/250	US 522 (Cross County Road)	US 250 (Three Notch Road)	2	1, 2	Deficiency with low priority, continue to monitor for potential improvements
4	Interstate 64-West	10904	Segment	I-64	Fluvanna County Line	US 15 (James Madison Highway)	4	1	
5	US 15/US 33	10905	Intersection	US 15/33	US 15 (James Madison Highway)	US 33 (South Spotswood Trail)	2	2	
6	James Madison Highway-North	10906	Segment	US 15	VA 617 (East Green Springs Road)	Orange County Line	2	2	Long-Term: Reconstruct road to address geometric deficiencies (including full-width lanes and shoulders)
7	US 15/VA 22	10907	Intersection	US 15/VA 22	US 15 (James Madison Highway)	VA 22 (Louisa Road)	2	2	Deficiency with low priority, continue to monitor for potential improvements
8	James Madison Highway-Zion	10908	Segment	US 15	Fluvanna County Line	Interstate 64	4	1, 3	
9	US 522/VA 663	10909	Intersection	US 522/VA 663	US 522 (Cross County Road)	VA 663 (Owens Creek Road)	2		
10	Pendleton Road	10910	Segment	US 522	Town of Mineral, Southern Limits	US 33 (Jefferson Highway)	2	2	
11	Courthouse Road-North	10911	Segment	VA 208	VA 640 (East Jack Jouett Road)	US 33/VA 22 (East Main Street)	2		
12	US 522/East First Street	10912	Intersection	US 522	US 522 (Mineral Avenue/ Piedmont Avenue)	US 522 (East First Street)	2		Deficiency with low priority, continue to monitor for potential improvements
13	VA 208/22/VA 767	10913	Intersection	VA 208/22/767	VA 208/22 (Davis Highway)	VA 767 (School Bus Road)	2		
14	Cuckoo	10914	Segment	US 522/33	US 522 (Pendleton Road)	US 33 (Jefferson Highway)	2	2	
15	Jefferson Highway	10915	Segment	US 33	Town of Louisa, Southern Limits	US 522 (Cross County Road/ Pendleton Road)	2	2	
16	James Madison Highway-South	10916	Segment	US 15	Interstate 64	Sommerfield Drive	2		Monitor capacity demands in this corridor and develop strategies for accommodating/managing these demands through a mix of travel demand and growth management, as well as enhanced multi-modal travel capacity and consideration of accommodating demands on both existing and potential new parallel corridors. Seek to reserve rights-of-way (through setbacks) from I-64 to Sommerfield Drive in order to allow for potential widening of this section of the corridor to four lanes with a median
17	Courthouse Road-South	10917	Segment	VA 208	Interstate 64	VA 640 (East Jack Jouett Road)	2		Long-Term: Reconstruct road to address geometric deficiencies (including full-width lanes and shoulders)
18	US 522/VA 700	10918	Intersection	US 522/VA 700	US 522 (Pendleton Road)	VA 700 (Mica Road)	2		

PERFORMANCE AND RECOMMENDATIONS

LOUISA COUNTY | PRIORITIZATIONS

VTRANS Needs Key: CoSS: 1 Safety: 2 UDA: 3 Regional Network: 4

Rank	Project Name	Project ID	Type	Route	From	To	Lanes	VTRANS Needs	Description
19	US 522/VA 208	10919	Intersection	US 522/VA 208	US 522 (Zachary Taylor Highway)	VA 208 (New Bridge Road)	2	2	Mid-Term: Consider installation of traffic signal and add turn lanes
20	East Main Street	10920	Segment	VA 22/208	US 33 (Jefferson Highway)	Town of Louisa, Eastern Limits	2	2	Long-Term: Remove street parking and reconfigure eastbound and westbound lanes to provide additional capacity
21	Davis Highway	10921	Segment	VA 22/208	Town of Louisa	Town of Mineral	2	2	Short-Term: Improve warning signs for railroad crossing; Mid-Term: Lengthen turn lanes; Long-Term: Widen to four lanes
22	Kentucky Springs Road	10922	Segment	VA 652	VA 790 (Mitchell Point Road)	Boones Point Road	2		
23	Exit 143 Interchange	10923	Segment	I-64/VA 208	Interstate 64	VA 208 (Courthouse Road)	4	1	
24	US 33/VA 605	10924	Intersection	US 33/VA 605	US 33 (Jefferson Highway)	VA 605 (Willis Proffitt Road)	2		
25	James Madison Highway-Central	10925	Segment	US 15	Sommerfield Drive	VA 617 (East Green Springs Road)	2		Monitor capacity demands in this corridor and develop strategies for accommodating/managing these demands through a mix of travel demand and growth management, as well as enhanced multi-modal travel capacity and consideration for accommodating demands on both existing and potential new parallel corridors
26	Mineral Avenue	10926	Segment	US 522	VA 22/208 (Piedmont Avenue)	Town of Mineral, Southern Limits	2		Long-Term: Widen road to increase capacity and/or accommodatetravel demand on alternative corridors or modes
27	Cross County Road-Central	10927	Segment	US 522	Interstate 64	VA 629 (Cartersville Road)	2		Long-Term: Reconstruct road to address geometric deficiencies (including full-width lanes and shoulders)
28	New Bridge Road	10928	Segment	VA 208	US 522 (Zachary Taylor Highway)	Spotsylvania County Line	2	2	Long-Term: Widen to four lanes with median
29	VA 652/VA 208	10929	Intersection	VA 208/652	VA 652 (Kentucky Springs Road)	VA 208 (New Bridge Road)	2		Long-Term: Add turn lanes and consider realignment and signalization of VA 652/VA 670 intersection
30	Jefferson Highway	10930	Segment	US 33	VA 22/208 (East Main Street)	Town of Louisa, Eastern Limits	2	2	
31	Louisa Road	10931	Segment	US 33	US 33 (Jefferson Highway)	Town of Louisa, Western Limits	2		
32	VA 22/US 33	10932	Intersection	VA 22/US 33	VA 22 (Davis Highway)	US 33 (Jefferson Highway)	2	2	Deficiency with low priority, continue to monitor for potential improvements
33	Jefferson Highway-Central	10933	Segment	US 33	US 522 (Cross County Road)	VA 609 (Buckner Road)	2	2	Long-Term: Reconstruct road to address geometric deficiencies (including full-width lanes and shoulders)
34	US 522/VA 619	10934	Intersection	US 522/VA 619	US 522 (Cross County Road)	VA 619 (New Line Road)	2		
35	US 522/VA 601	10935	Intersection	US 522/VA 601	US 522 (Cross County Road)	VA 601 (Paynes Mill Road)	2		
36	Louisa Avenue	10936	Segment	US 522	US 522/VA 618 (East First Street)	Town of Mineral, Northern Limits	2		Long-Term: Construct new bypass route

PERFORMANCE AND RECOMMENDATIONS

LOUISA COUNTY | PRIORITIZATIONS

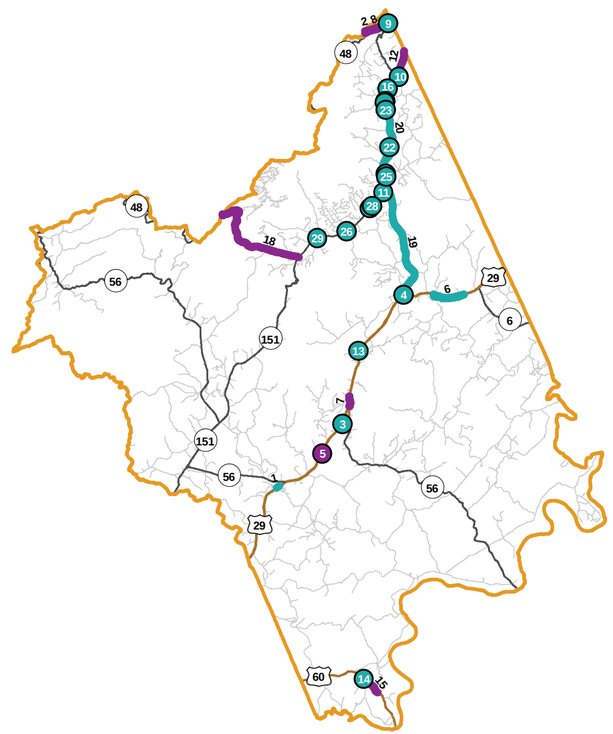
VTRANS Needs Key: CoSS: 1 Safety: 2 UDA: 3 Regional Network: 4

Rank	Project Name	Project ID	Type	Route	From	To
37	US 33 (Jefferson Hwy)/VA 648 Gardners Road	10937	Intersection	US 33/VA 648	US 33 (Jefferson Highway)	VA 648 (Gardners Road/Jouett School Road)
38	Jefferson Highway-East	10938	Segment	US 33	VA 609 (Buckner Road)	Hanover County Line
39	Cross County Road-North	10939	Segment	US 522	VA 629 (Cartersville Road)	VA 648 (Gardners Road)
40	South Spotswood Trail	10940	Segment	US 33	US 15 (James Madison Highway)	VA 691 (Old Louisa Road)
41	East First Street	10941	Segment	US 522	VA 22/208 (Piedmont Avenue)	US 522 (Louisa Avenue)
42	Kents Store Road	10942	Segment	VA 659	Fluvanna County Line	US 250 (Three Notch Road)
43	US 250/VA 626	10943	Intersection	US 250/VA 626	US 250 (Three Notch Road)	VA 626 (Evergreen Road/ Mallory Road)

Rank	Lanes	VTRANS Needs	Description
37	2		
38	2	2	
39	2		Long-Term: Reconstruct road to address geometric deficiencies (including full-width lanes and shoulders)
40	2	2	
41	2		
42	2	1, 2	Long-Term: Reconstruct road to address geometric deficiencies (including full-width lanes and shoulders)
43	2	1	

NELSON COUNTY

ROADWAY SYSTEM DEFICIENCIES



PERFORMANCE AND RECOMMENDATIONS

NELSON COUNTY | PRIORITIZATIONS

VTRANS Needs Key: CoSS: 1 Safety: 2 UDA: 3 Regional Network: 4

Rank	Project Name	Project ID	Type	Route	From	To	Rank	Lanes	VTRANS Needs	Description
1	US 29 Acess Management at Colleen	12501	Segment	US 29	VA 655 (Colleen Road)	3999 Thomas Nelson Highway	1	4	1, 2	Short-Term: Improve signage; Mid-Term: Lengthen turn lanes
2	Interstate 64	12502	Segment	I-64	Albemarle County Line	Augusta County Line	2	4	1, 2	Long-Term: Widen road to include truck climbing lanes
3	Thomas Nelson/Front Street	12503	Intersection	US 29/Business 29	US 29 (Thomas Nelson Highway)	Business 29 (Front Street/ Callohill Drive)	3	2	1, 2	Short-term: Modify signal timing and improve signage and pavement markings
4	River Road/Thomas Nelson	12504	Intersection	VA 6/US 29	VA 6 (River Road)	US 29 (Thomas Nelson Hwy)	4	4	1, 2	Long-Term: Address safety deficiencies
5	Nelson County Middle & High School	12505	Intersection	US 29/VA 741	US 29 (Thomas Nelson Highway)	VA 741 (Drumheller Orchard Lane)	5	4	1	Monitor for safety improvements
6	Thomas Nelson Highway-North	12506	Segment	US 29/VA 6	VA 617 (Rockfish River Road)	VA 779 (Mosby Lane)	6	4	1, 2	Long-Term: Address safety deficiencies
7	Thomas Nelson Highway-Central	12507	Segment	US 29	VA 718 (Mountain Cove Road)	9749 Thomas Nelson Highway	7	4	1	Monitor for operational improvements
8	Rockfish Gap Turnpike	12508	Segment	US 250	Albemarle County Line	Augusta County Line	8	4	1	Long-Term: Widen road to increase capacity and address geometric deficiencies (including full-width lanes and shoulders)
9	US 250/VA 6	12509	Intersection	US 250/VA 6	US 250 (Rockfish Gap Turnpike)	VA 6 (Afton Mountain Road)	9	4	1	Monitor for safety improvements
10	US 151/VA 6/VA 638-North	12510	Intersection	US 151/VA 6/ 638	US 151 (Critzers Shop Road)	VA 638 (Avon Road), North	10	2		Deficiency with low priority, continue to monitor for potential improvements
11	US 151/VA 6 (River Road)	12511	Intersection	US 151/VA 6	US 151 (Rockfish Valley Highway)	VA 6 (River Road)	11	2	2	Deficiency with low priority, continue to monitor for potential improvements
12	Critzers Shop Road	12512	Segment	US 151	Albemarle County Line	VA 6 (Afton Mountain Road)	12	2		Long-Term: Widen road to increase capacity and address geometric deficiencies (including full-width lanes and shoulders)
13	US 29/VA 775	12513	Intersection	US 29/VA 775	US 29 (Thomas Nelson Highway)	VA 775 (Anderson Lane/Lewis Lane)	13	4	1	Short-Term: Improve signage Long-Term: Consider closing median opening and installing rumble strips
14	US 60/VA 622	12514	Intersection	US 60/VA 622	US 60 (Richmond Highway)	VA 622 (Allens Creek Road/ Spring Lane)	14	2		Mid-Term: Improve intersection to address site distance deficiency
15	Richmond Highway	12515	Segment	US 60	Robertson Lane (Private)	VA 809 (Payne Place)	15	2		Monitor for operational improvements

PERFORMANCE AND RECOMMENDATIONS

NELSON COUNTY | PRIORITIZATIONS

VTRANS Needs Key: CoSS: 1 Safety: 2 UDA: 3 Regional Network: 4

Rank	Project Name	Project ID	Type	Route	From	To	Rank	Lanes	VTRANS Needs	Description
16	Rockfish Valley Highway/ VA 640	12516	Intersection	VA 6/US 151/VA 640	VA 6/US 151 (Rockfish Valley Highway)	VA 840 (Tanbark Drive)	16	2		Short-Term: Refresh the yellow lines and stop bars and move the stop sign; Mid-Term: Consider rumble strips on Route 840 (Tanbark Drive) approaches; Long-Term: Regrade Route 840 (Tanbark Drive) to improve visibility to Route 151; Long-Term: Regrade the embankment in the southwest and southeast quadrants
17	US 151/VA 6/VA 638-South	12517	Intersection	US 151/VA 6/638	VA 6/US 151 (Rockfish Valley Highway)	VA 638 (Avon Road), South	17	2		Short-Term: Move the stop bar on Route 638 (Avon Road) closer to the roadway to improve sight distance; Short-Term: Add deer crossing signs south of the intersection and gas station
18	Beech Grove Road	12518	Segment	VA 664	US 151 (Patrick Henry Highway)	US 48 (Blue Ridge Parkway)	18	2		Monitor for operational improvements
19	River Road	12519	Segment	VA 6	VA 6/US 151 (Rockfish Valley Highway)	US 29 (Thomas Nelson Highway)	19	2	2	Long-Term: Address safety deficiencies
20	Rockfish Valley Highway-North	12520	Segment	US 151/VA 6	VA 6 (Afton Mountain Road)	VA 6 (River Road)	20	2	2	Long-Term: Address safety deficiencies
21	US 151/VA 6/VA 609	12521	Intersection	US 151/VA 6/609	VA 6-US 151 (Rockfish Valley Highway)	VA 609 (Mill Lane)	21	2		Mid-Term: Improve access management; Long-Term: Widen the bridge structure
22	Rockfish Valley Highway/ VA 784	12522	Intersection	VA 6-US 151/VA 784	VA 6-US 151 (Rockfish Valley Highway)	VA 784 (Bland Wade Lane)	22	2		Mid-Term: Consider changing flashers to be demand responsive, so that they flash only when a vehicle is present or approaching (35 mph advisory speed sign with flashers already present); Long-Term: Regrade the roadway to improve sight distance and eliminate the dip in the road, or; Long-Term: Consider relocating VA 784 (Bland Wade Lane) south of the fitness center
23	US 151/VA 6/VA 760	12523	Intersection	US 151/VA 6/760	VA 6/US 151 (Rockfish Valley Highway)	VA 760 (Sunrise Drive)	23	2		Short-Term: Add deer crossing signs in vicinity of intersection; Long-Term: Regrade the roadway to reduce crest and reduce embankment
24	US 151/VA 729	12524	Intersection	US 151/VA 729	US 151 (Rockfish Valley Highway)	VA 729 (Creek Road)	24	2		Mid-Term: Restripe the roadway to provide a northbound left turn into the Ashley's Market southern access Long-Term: Add a southbound right turn lane on Route 151 for turning traffic onto VA 729 (Creek Road), and move the stop bar on VA 729 (Creek Road) closer to the southband through lane
25	US 151/VA 635	12525	Intersection	US 151/VA 635	US 151 (Rockfish Valley Highway)	VA 635 (Greenfield Road)	25	2		Short-Term: Extend the northbound right turn lane by utilizing (restriping) the existing northbound shoulder prior to the start of the turn lane
26	US 151/VA 634	12526	Intersection	US 151/VA 634	US 151 (Rockfish Valley Highway)	VA 634 (Adial Road)	26	2		Mid-Term: Add sidewalks for pedestrians; Long-Term: As new development or re-development occurs, improve access management and inter-parcel connectivity
27	US 151/Rodes Farm Drive	12527	Intersection	US 151/VA 613	US 151 (Rockfish Valley Highway)	VA 613 (Rodes Farm Drive)	27	2		Short-Term: Review commercial signage to ensure signage is not within the VDOT right-of-way; Long-Term: Reduce the crest of hill and regrade the embankments to improve sight distance

NELSON COUNTY | PRIORITIZATIONS

VTRANS Needs Key: CoSS: 1 Safety: 2 UDA: 3 Regional Network: 4

Rank	Project Name	Project ID	Type	Route	From	To
28	US 151/Lodebar Estate	12528	Intersection	US 151/VA 613	US 151 (Rockfish Valley Highway)	VA 613 (Lodebar Estate)
29	US 151/VA 627	12529	Intersection	US 151/VA 627	US 151 (Rockfish Valley Highway)	VA 627 (Spruce Creek Lane and Glenthorne Loop)

Rank	Lanes	VTRANS Needs	Description
28	2		Short-Term: Review commercial signage to ensure signage is not within the VDOT right-of-way; Long-Term: Reduce the crest of hill and regrade the embankments to improve sight distance
29	2		Short-Term: Add intersection-ahead signage with flashers on the northbound approach; Mid-Term: Realign Route 627 (Spruce Creek Lane) to reduce skew (by 25 degrees) and improve sight distance Long-Term: Regrade the embankment in the southwest quadrant