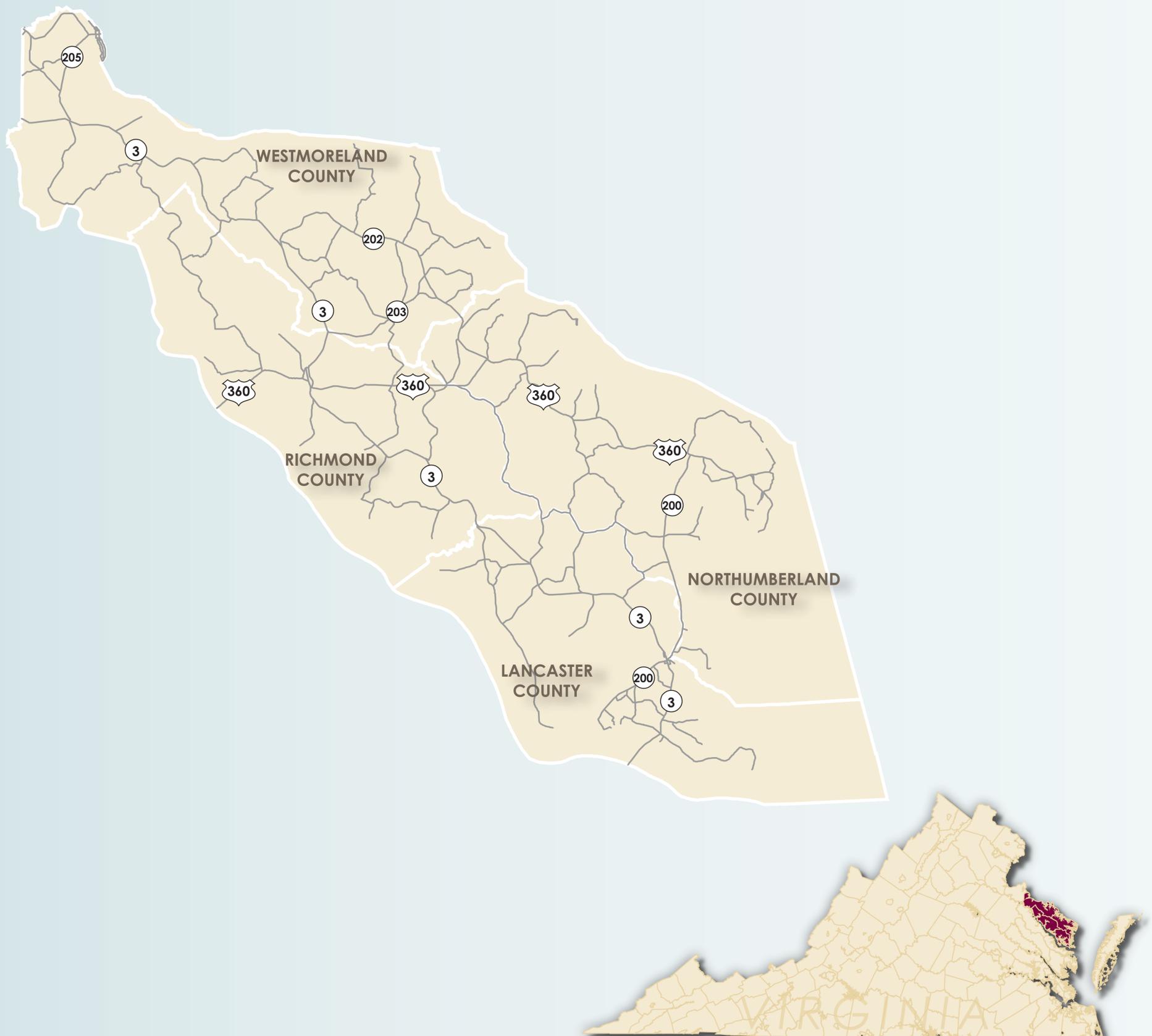


Regional Goals

- Goal 1.** Enhance the connectivity of the existing transportation network within and between regions across all modes for both people and freight.
- Goal 2.** Provide a safe and secure transportation system.
- Goal 3.** Support and improve the economic vitality of the individual regions by providing access to economic opportunities, such as industrial access or recreational travel and tourism, as well as enhancing intermodal connectivity.
- Goal 4.** Ensure continued quality of life during project development and implementation by considering natural, historic, and community environments, including special populations.
- Goal 5.** Preserve the existing transportation network and promote efficient system management in order to promote access and mobility for both people and freight.
- Goal 6.** Encourage land use and transportation coordination, including but not limited to, development of procedures or mechanisms to incorporate all modes, while engaging the private sector.

Study Approach

- Development of regional transportation goals and objectives,
- Public involvement,
- Data compilation and collection,
- Data analysis,
- Identification of transportation deficiencies and recommendations, and
- Environmental overview



Existing Conditions: Modal Analysis

Roadways



Bicycle and Pedestrian Facilities



Roadway System Deficiencies



ROADWAY SYSTEM DEFICIENCIES

Segment Deficiency

- Operation Deficiency
- Safety Deficiency
- Both Operation and Safety Deficiency
- Geometric Deficiency

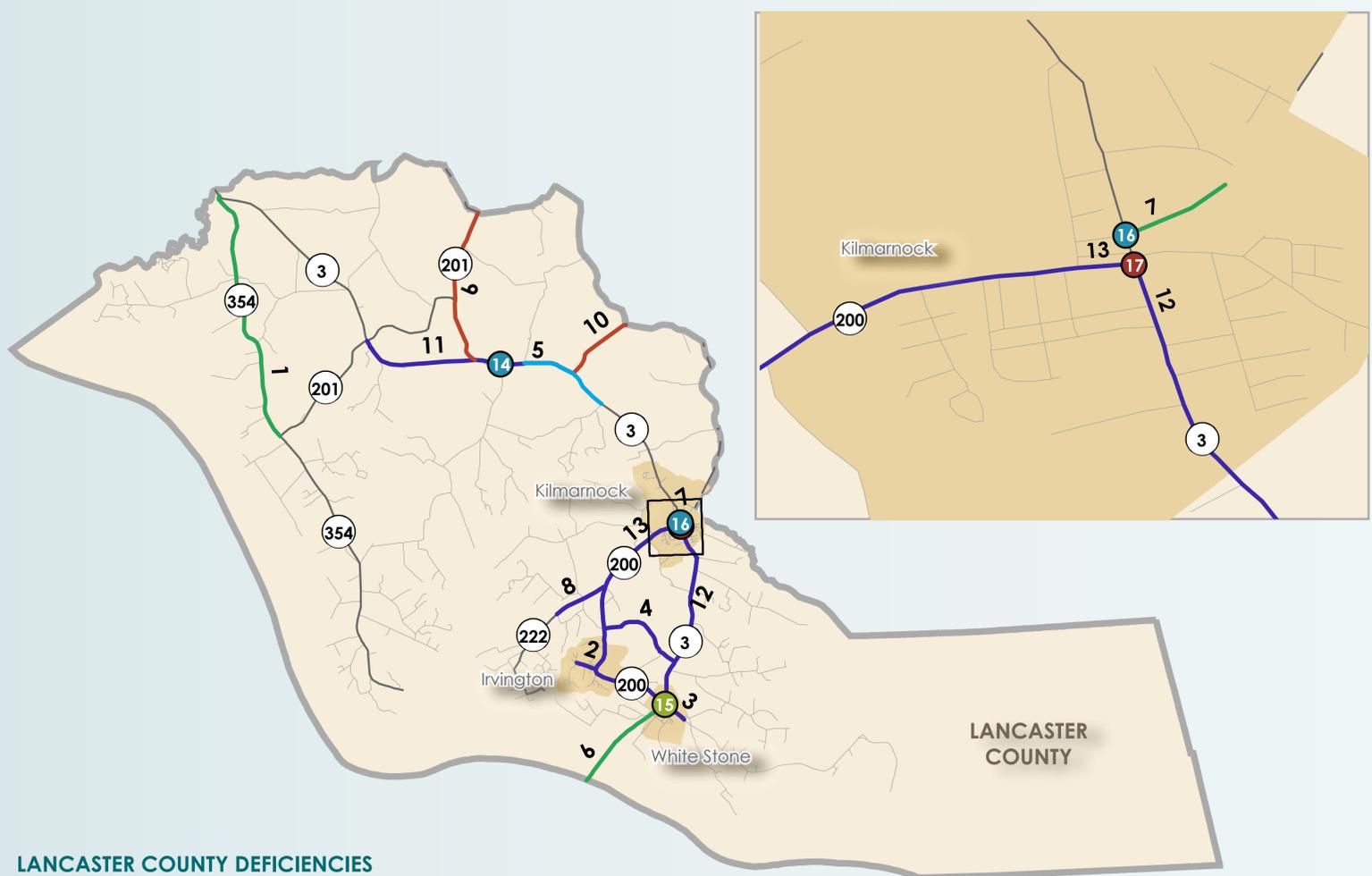
Intersection Deficiency

- Operation Deficiency
- Safety Deficiency
- Both Deficiencies
- Other Deficiencies

Lancaster County Deficiencies

LANCASTER COUNTY RECOMMENDATIONS

- 1** **VA-354 from VA-3 to VA-201**
Segment determined not to be a congestion priority.
- 2** **T-634 from T-672 to VA-200**
Short-term: Trim vegetation to improve sight distance at horizontal curve.
- 3** **T-695 from T-639 to White Stone SCL**
Short-term: Install Advance Intersection Warning (W2 series) signs on VA-695; paint Stop Bar on Little Bay Rd.
- 4** **VA-646 from VA-200 to VA-3 N.**
Short-term: Install No Passing (W14-3) and Curve Warning signs at appropriate locations.
- 5** **VA-3 from VA-604 to VA-614**
Long-term: 4-lane widening of SR 3
- 6** **VA-3 from VA-200 S to Norris Bridge**
Long-term: Replace Norris Bridge with 4-lane bridge; widen to four lanes with median.
- 7** **VA-200 from Kilmarnock NCL to Northumberland CL**
Long-term: Widen road to 12-ft lanes and install shoulders
- 8** **VA-222 from VA-709 to VA-200**
Short-term: Construct intersection improvements at VA-200 including W2 series signs, double headed arrow sign (W1-7) and speed limit signs on VA-222.
- 9** **VA-600 from VA-3 to Northumberland Co. Line**
Long-term: reconstruct road to address geometric deficiencies (12-foot lanes).
- 10** **VA-605 from VA-3 W to VA-615**
Long-term: reconstruct road to address geometric deficiencies (12-foot lanes).
- 11** **VA-3 from VA-201 to VA-605**
Mid-term: Construct shoulder and pull-off enhancements; Long-term: widen to four lanes with median.
- 12** **VA-3 from VA-200 N. to VA-200 S.**
Mid-term: Install deer crossing signage at high crash locations, streetscaping, signage & parking improvements
- 13** **VA-200 from VA-3 N to VA-3 S/VA-695**
Mid-term: Install deer crossing, speed reduction and truck route signage, Install pedestrian/bike path
- 14** **VA-3 (Mary Ball Rd.) at VA-604 (Merry Point Rd.)**
Mid-term: Install turn bays on VA-3
- 15** **PR 200 (Irvington Rd.) at SR 3 (Mary Ball Rd.)/ VA-695**
Short-term: Install 400-ft left turn bay on VA-200 (Irvington Rd); Long-term: widen to urban four lanes with median. on VA-3
- 16** **PR 200 (E. Church St.) N. at SR 3 (S. Main St.)**
Short-term: Parking bumpout removal on NB approach.
- 17** **PR 200 (Irvington Rd.) S. at SR 3 (S. Main St.)**
Short-term: WB configuration change to Left/Left-Right, parking bumpout removal on SB and NB approaches.



LANCASTER COUNTY DEFICIENCIES

- | | |
|---|--|
| Intersection Deficiency | Segment Deficiency |
| ● Operation Deficiency | — Operation Deficiency |
| ● Safety Deficiency | — Safety Deficiency |
| ● Both Deficiencies | — Geometric Deficiency |
| ● Other Deficiency | — Both Operation & Safety Deficiency |

Northumberland County Deficiencies

43 NORTHUMBERLAND COUNTY RECOMMENDATIONS

VA-646 from VA-702 to VA-662

Short-term: Enhance Curve warning and Chevron signs at horizontal curves.

44

US-360 from VA-601 to VA-634

Long-term: widen to urban four lanes with median.

45

VA-614 from VA-600 to US-360 S.

Long-term: reconstruct road to address geometric deficiencies (11-foot lanes).

46

VA-201 from US 360 to Lancaster Co. Line

Long-term: reconstruct road to address geometric deficiencies (12-foot lanes).

47

VA-604 from VA-201 S. to US-360 S.

Long-term: reconstruct road to address geometric deficiencies (11-foot lanes).

48

US-360 from VA-630 to VA-644 W.

Long-term: reconstruct road to address geometric deficiencies (4 Lane With Median)

49

VA-665 from VA-609 W. to VA-664

Long-term: reconstruct road to address geometric deficiencies (12-foot lanes).

50

US-360 from VA-634 to VA-630

Short-term: Install Advance Intersection Warning (W2 series) signs at VA-201; Mid-term: Construct US 360 improvements from Heathsville to Horsehead and Burgess; Long-term: widen to rural four lanes with median.

51

VA-642 from VA-201 to VA-610

Short-term: Widen road to 12-ft lanes; Long-term: reconstruct road to address geometric deficiencies (11-foot lanes).

52

US-360 from VA-202 to VA-750

Short-term: widen to urban four lanes with median; Mid-term: High Angle and Rear-end crashes - Investigate conversion of driveway entrances to right-in/right-out; Long-term.

53

US-360 from VA-644 to VA-646

Short-term: Install Advance Intersection Warning signs (W2 series); Long-term: Investigate installation of TWLTL at some sections.

54

US-360 from VA-646 to Toulson Ave.

Mid-term: reconstruct road to address geometric deficiencies (12-foot lanes); Long-term: Improve US 360 to 4-lane from Lilian to Reedville.

NORTHUMBERLAND COUNTY DEFICIENCIES

Intersection Deficiency

- Operation Deficiency
- Safety Deficiency
- Both Deficiencies
- Other Deficiency

Segment Deficiency

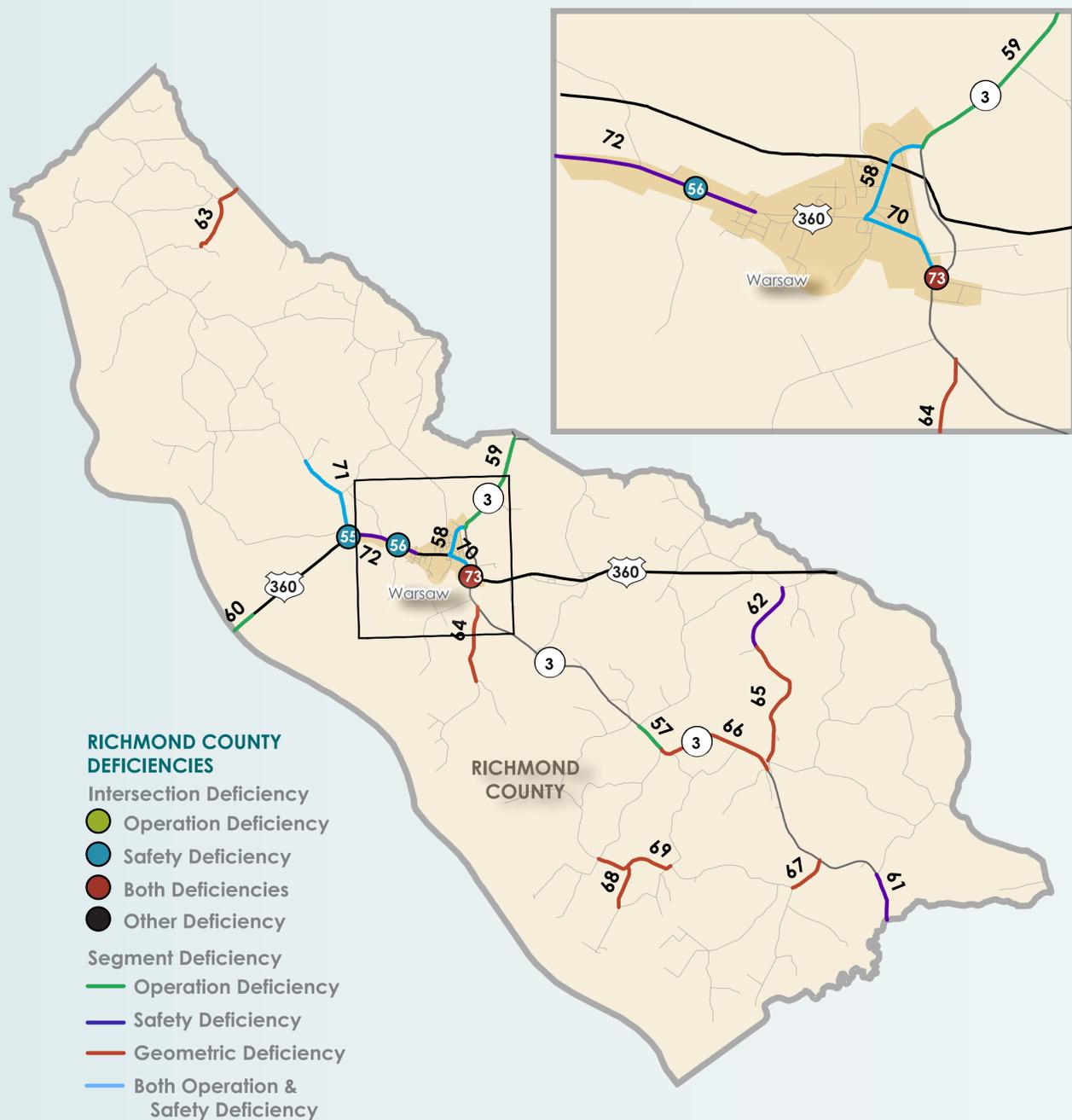
- Operation Deficiency
- Safety Deficiency
- Geometric Deficiency
- Both Operation & Safety Deficiency



Richmond County Deficiencies

RICHMOND COUNTY RECOMMENDATIONS

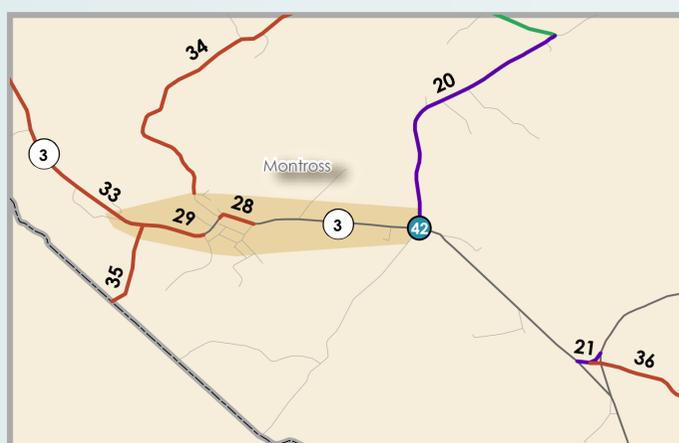
- 55 US 360 (Richmond Rd.) at Rt. 624 (Newland Rd.)**
Short-term: Install larger "Divided Hwy" signs; install wider Stop Bars on storage space; Mid-term: Assess intersection for signal warrants and installation of turn bays on VA-624.
- 56 US 360 (Richmond Rd.) at VA-624 (Sabine Hill Rd.)**
Short-term: Install "Divided Hwy" signs on VA-624; install wider Stop Bar on storage space; Assess intersection for signal warrants; Mid-term: Assess intersection for signal warrants and installation of turn bays on VA-624.
- 57 VA-3 from VA-619 to VA-642**
Long-term: reconstruct road to address geometric deficiencies (4 Lane With Median).
- 58 Main St. from US-360 to VA-3**
Mid-term: VA-3 Construction of off-street parking, S/W, landscaping and ped/bike trails; Long-term: Widen road to 4-lanes
- 59 VA-3 from Main St. to VA-203**
Long-term: Rural - 4 Lane with Median
- 60 US-360 from Essex CL to Downing Bridge**
Long-term: Bridge replacement; widen to urban four lanes with median.
- 61 VA-3 from VA-601 to Lancaster CL**
Short-term: Bridge rehabilitation; Long-term: widen to rural four lanes with median.
- 62 VA-607 from VA-677 to VA-617**
Short-term: Install Curve warning and Chevron signs at horizontal curves; Long-term: reconstruct road to address geometric deficiencies (11-foot lanes).
- 63 VA-638 from Westmoreland Co. Line to VA-639**
Long-term: reconstruct road to address geometric deficiencies (11-foot lanes).
- 64 VA-630 from VA-631 to VA-3**
Long-term: reconstruct road to address geometric deficiencies (12-foot lanes).
- 65 VA-607 from VA-677 to VA-692**
Long-term: reconstruct road to address geometric deficiencies (11-foot lanes).
- 66 VA-3 from VA-642 to VA-607**
Long-term: reconstruct road to address geometric deficiencies (4 Lane With Median)
- 67 VA-608 from VA-3 to VA-606**
Long-term: reconstruct road to address geometric deficiencies (11-foot lanes).
- 68 VA-642 from VA-614 to VA-641**
Long-term: reconstruct road to address geometric deficiencies (11-foot lanes).
- 69 VA-608 from VA-613 to VA-642**
Long-term: reconstruct road to address geometric deficiencies (11-foot lanes).
- 70 US-360 from VA-3 to Main St.**
Short-term: Enhance Speed Limit signs and Speed Reduction signs; Investigate TWLTL warrants; Long-term: Investigate TWLTL warrants
- 71 VA-624 from US-360 to VA-676**
Short-term: Install rumble strips; Mid-term: reconstruct road to address geometric deficiencies (12-foot lanes).
- 72 US-360 from Warsaw W. City Limits to VA-624**
Short-term: Install turning vehicle warning signs at intersection with flashers; Long-term: widen to urban four lanes with median.
- 73 US 360 (Richmond Rd.) at Rt. 3 (History Land Hwy.)**
Short-term: Modify left turn signal phasing on US 360 to protected-only; Improve signal timing to provide more green time to the critical movements.



Westmoreland County Deficiencies

WESTMORELAND COUNTY RECOMMENDATIONS

- 18 VA-3 from VA-637 to VA-205**
Long-term: Reconstruct road to address geometric deficiencies (12-foot lanes).
- 19 VA-643 from VA-622 W to VA-645**
Short-term: Widen road to 12-ft lanes and install shoulders.
- 20 VA-645 from VA-3 to VA-643**
Short-term: Paint new edgelines and restripe center double yellow. Install Curve warning and Chevron signs at horizontal curves.
- 21 VA-202 from VA-3 to VA-202 Y**
Short-term: Enhance curvature and hidden entrance signage.
- 22 VA-205 (James Monroe Hwy.) at VA-628 (Stoney Knoll Rd.)**
Short-term: Install Intersection Warning (W 2) series on both approaches of VA-205; trim vegetation to improve sight distance for VA-628.
- 23 VA-205 from VA-3 to VA-628 N.**
Short-term: Install Object Markers (OM-3) at bridge ends and Intersection Warning (W2) signs.
- 24 VA-3 from VA-664 to VA-204**
Short-term: Install No Passing (W14-3) and Deer Warning signs at appropriate locations; Mid-term: VA-3 Widen shoulders; Long-term: reconstruct road to address geometric deficiencies (12-foot lanes).
- 25 VA-3 from VA-204 to VA-624**
Short-term: Install No Passing (W14-3) and Deer Warning signs at appropriate locations; Mid-term: VA-3 Widen shoulders; Long-term: reconstruct road to address geometric deficiencies (12-foot lanes).
- 26 VA-621 from VA-600 N. to VA-202**
Short-term: Bridge rehabilitation; Long-term: Rural - 2 Lane 22 Feet
- 27 VA-631 from VA-205 S. to VA-205 N.**
Long-term: reconstruct road to address geometric deficiencies (11-foot lanes).
- 28 VA-3 from T-622 E. to T-1202**
Long-term: widen to urban four lanes with median.
- 29 VA-3 from Montross W. CL to T-622 W.**
Long-term: widen to urban four lanes with median.
- 30 VA-600 from VA-619 to VA-203**
Short-term: Install Curve warning and Chevron signs at horizontal curves; Long-term: reconstruct road to address geometric deficiencies (12-foot lanes).
- 31 VA-600 from VA-621 E. to VA-621 W.**
Short-term: Install Curve warning and Chevron signs at horizontal curves; Long-term: reconstruct road to address geometric deficiencies (12-foot lanes).
- 32 VA-3 from King George Co. Line to VA-637**
Long-term: reconstruct road to address geometric deficiencies (12-foot lanes).
- 33 VA-3 from VA-624 W. to VA-622**
Long-term: reconstruct road to address geometric deficiencies (12-foot lanes).
- 34 VA-622 from VA-609 to Montross N. City Limits**
Long-term: reconstruct road to address geometric deficiencies (11-foot lanes).
- 35 VA-622 from Montross S. City Limits to Richmond Co. Line**
Long-term: reconstruct road to address geometric deficiencies (11-foot lanes).
- 36 VA-600 from VA-202 to VA-621 W.**
Long-term: reconstruct road to address geometric deficiencies (12-foot lanes).
- 37 VA-626 from VA-202 W. to VA-621 S.**
Long-term: reconstruct road to address geometric deficiencies (11-foot lanes).
- 38 VA-600 from VA-621 E. to VA-203**
Long-term: reconstruct road to address geometric deficiencies (12-foot lanes).
- 39 VA-628 from VA-630 to VA-205 N.**
Short-term: Install Curve warning (W1 series) signage; Long-term: reconstruct road to address geometric deficiencies (11-foot lanes).
- 40 VA-638 from VA-3 to VA-625**
Short-term: Paint new edgelines and restripe center double yellow; Install Curve warning and Chevron signs at horizontal curves; Long-term: Widen road to 12-ft lanes and install shoulders.
- 41 VA-205 from Colonial Beach CL to King George CL**
Mid-term: Install Curve warning and Chevron signs at horizontal curves Long-term: Bridge rehabilitation
- 42 VA-3 (Kings Hwy.) at VA-645 (Zacata Rd)**
Short-term: Assess lane configuration changes on VA-3 to provide exclusive turn bays; Mid-term: Install turn bays on VA-3



WESTMORELAND COUNTY DEFICIENCIES

- Intersection Deficiency**
 - Operation Deficiency
 - Safety Deficiency
 - Both Deficiencies
 - Other Deficiency
- Segment Deficiency**
 - Operation Deficiency
 - Safety Deficiency
 - Geometric Deficiency
 - Both Operation & Safety Deficiency

Other Transportation Deficiencies

Public Transportation Strategies

Coordinated Human Service Mobility Plan

- Continue to support and maintain capital needs of coordinated human service public transportation providers;
- Expand availability of demand-response and specialized transportation services to provide additional trips for older adults, people with disabilities, and people with lower incomes;
- Expand outreach and information on available transportation options in the region, including establishment of a centralized point of access;
- Build coordination among existing public transportation and human service transportation providers;
- Bring new funding partners to public transit/human service transportation;
- Implement new public transportation services or operate existing public transit services on more frequent basis;
- Provide flexible transportation options and more specialized one-to-one services through expanded use of volunteers;
- Provide targeted shuttle services to access employment opportunities;
- Expand access to taxi services and other private transportation operators.