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
Dinwiddie County Deficiencies

**DINWIDDIE COUNTY RECOMMENDATIONS**

1. US 1 (Boydton Plank Rd.)/VA-40 (Doyle Blvd.)
   - Short-term: Install horizontal alignment (W1) signs at curves; redesign right turn channelization and install a additional stop sign on eastbound approach of VA-40; Mid-term: Study installation of right turn lane on eastbound VA-40.

2. US 1 (Boydton Plank Rd.)/VA-627 (Courthouse Rd.)
   - Short-term: Construct concrete central island for stop sign on VA-627 southbound approach; install Advance Intersection Warning signs (W2 series) on US 1; Mid-term: Study installation of right turn lane on Courthouse Rd.

3. US 1 (Boydton Plank Rd.)/VA-619 (Courthouse Rd.)
   - Short-term: Trim vegetation on north side on US 1 to improve sight distance; paint stop bar on VA-619 approach.

4. VA-663 (Boiseau Rd.)/VA-627 (Courthouse Rd.)
   - Short-term: Additional stop sign on centerline for southbound Boiseau Rd.; raised pedestrian waming for mid-block pedestrian crossing.

5. VA-40 (Doyle Blvd.)/VA-619 (Courthouse Rd.)
   - Short-term: Install horizontal alignment (W1) signs, chevrons and shoulder rumble strips at appropriate locations; Long-term: Widen to 4 lanes.

6. (New Cox Rd.)/VA-627 (Courthouse Rd.)
   - Short-term: Install oneway and do not enter signs on median and rd VA-627 approaches per MUTCD; stripe centerline and stop bar on US 460 storage space; Long-term: Study safety issues on U.S. Route 460 crossings.

7. VA-40 from VA-1099 to US 1
   - Short-term: Install right turn bay on eastbound VA-40 at US 1; Mid-term: Widen to 4 lanes.

8. VA-623 from VA-40 to VA-639

9. VA-646 from VA-613 to VA-647
   - Long-term: Reconstruct road to address geometric deficiencies (10-foot lanes) and replace bridge.

10. US 1 from VA-657 to VA-647
    - Short-term: Install horizontal alignment (W1) signs at curves; Long-term: Replace bridge over Toney Creek and bridge over Little Cattail Creek.

11. VA-703 from VA-667 to I-95 Ramps
    - Long-term: Replace bridge.

12. VA-612/627 from US 460 to VA-627
    - Long-term: Reconstruct road to address geometric deficiencies (10-foot lanes).

13. VA-622 from VA-613 E to US 460
    - Long-term: Reconstruct road to address geometric deficiencies (12-foot lanes).

14. VA-613 from VA-40 E to VA-646
    - Long-term: Reconstruct road to address geometric deficiencies (11-foot lanes).

15. VA-646 from VA-647 to US 1
    - Long-term: Reconstruct road to address geometric deficiencies (10-foot lanes).

16. VA-661 from VA-627 to VA-613
    - Long-term: Reconstruct road to address geometric deficiencies (12-foot lanes).

17. VA-644 from VA-40 to VA-650
    - Long-term: Reconstruct road to address geometric deficiencies (12-foot lanes).

18. VA-626 from VA-619 to VA-609
    - Long-term: Reconstruct road to address geometric deficiencies (12-foot lanes).

19. VA-609 from VA-626 to VA-682
    - Long-term: Reconstruct road to address geometric deficiencies (12-foot lanes).

20. VA-619 from VA-658 to VA-40
    - Long-term: Reconstruct road to address geometric deficiencies (12-foot lanes).

21. VA-626 from VA-665 to VA-40
    - Long-term: Reconstruct road to address geometric deficiencies (10-foot lanes).

22. VA-670 from VA-613 5 to VA-609
    - Long-term: Reconstruct road to address geometric deficiencies (11-foot lanes).

23. VA-613 from VA-1 S to VA-670 W
    - Long-term: Reconstruct road to address geometric deficiencies (12-foot lanes).

24. VA-627 from VA-612 to VA-661
    - Short-term: Install horizontal alignment (W1) signs, chevrons and shoulder rumble strips at appropriate locations; Long-term: Widen to 4 lanes.

25. VA-703 from US 1 to VA-660
    - Short-term: Install chevrons at horizontal curves; install stop ahead signs on I-85 off ramps; Long-term: Rural 2-lane 24 feet from I-85 to VA-660.
PRINCE GEORGE COUNTY RECOMMENDATIONS

US-460 from VA-625 to VA-601
Short-term: Corridor improvement project; Mid-term: Add turn lanes at intersection with Rtes 601, 624, 635, 618; install warning light/reflective strips at VA-616 (US 460 Location Study).

VA-156 from 0.5 Mi. W. of VA-638 to 0.5 Mi. E. of VA-638
Short-term: Install horizontal alignment (W1) signs at curves.

VA-616 from VA-635 to VA-625
Short-term: Install horizontal alignment (W1) and chevron signs at curves; stripe edges; Long-term: Rusty 2-lane 22 feet.

VA-625 from VA-616 to VA-10
Long-term: reconstruct road to address geometric deficiencies (11-foot lanes).

VA-35 from US 301 to VA-638
Short-term: Install warning signs for turning vehicles near US 301; Long-term: Widen to 4 lanes.

VA-35 (Courtland Rd.)/VA-638 (Templeton Rd.)
Short-term: Install stop bar on northbound VA-638; repaint pavement marking on southbound VA-638.

US 460 (County Dr.)/VA-618 (Queen St.)
Short-term: Relocate utility pole on southeast corner (fixed object hazard); repave corners to remove depressions at the corners; install advance intersection warning (W2 series) on US-460 approaches; Long-term: US 460 realignment.

US-460 from VA-625 to VA-601
Long-term: Add turning lanes

VA-616 from VA-625 to VA-10
Long-term: Reconstruct road to address geometric deficiencies (10-foot lanes).

VA-625 from VA-619 to US 460 E.
Long-term: Reconstruct road to address geometric deficiencies (12-foot lanes).

VA-638 from VA-625 to VA-662
Long-term: Reconstruct road to address geometric deficiencies (11-foot lanes).

VA-638 from VA-662 to VA-35
Long-term: Reconstruct road to address geometric deficiencies (12-foot lanes).

VA-638 from VA-35 to Sussex Co. Line
Long-term: Reconstruct road to address geometric deficiencies (11-foot lanes).

VA-625 from VA-619 to US 460 E.
Long-term: Reconstruct road to address geometric deficiencies (12-foot lanes).

VA-623 from VA-667 to US 301
Long-term: Reconstruct road to address geometric deficiencies (12-foot lanes).
Sussex County Deficiencies

Sussex County Recommendations

US 460 from Wakefield Co. Line to Prince George Co. Line
- Short-term: Install horizontal alignment (W1) and chevron signs at curves.
- Long-term: Reconstruct.

VA-602 from VA-625 to VA-628
- Short-term: Install horizontal alignment (W1) and chevron signs at curves.
- Long-term: Widen to 4 lanes.

VA-40 from VA-655 to Sury Co. Line
- Short-term: Study introduction of turn bays south of Rte 460 to improve safety and congestion.
- Long-term: Realignment of US 460 (US 460 Location Study) - Alternative C/WI proposes an interchange at the junction of Rt. R. 40.

VA-40 (Main St.)/Railroad Ave./Railroad Crossing
- Short-term: Relocate stop bar and stop sign on Railroad Ave. Study improvement of sight distance from Bunk St. by reconfiguring parking.

US 460 (N. County Dr.) at VA-603 (Church St.)
- Short-term: Paint stop bar on Church St. approach; enhance channelization at south west corner for US 460 traffic; Island is a fixed object hazard.
- Assess speed reduction measures in this section of US 460; Mid-term: Assess the intersection for signalization.
- Long-term: Urban 2-lane section on Church St.

US 460 (N. County Dr.) at VA-714 (High St.)
- Short-term: Install stop bar on southbound US 460 through lanes; restripe pavement marking on VA-139.

VA-40 from Dinwiddie C/L to VA-40 Bus.
- Short-term: Install deer warning signs.
- Long-term: Widen to 4 lanes.

VA-40 from VA-40 Bus to I-95 Ramps
- Short-term: Install speed reduction measures on VA-40 at the intersections.

VA-617 from VA-631 to Surry Co. Line
- Short-term: Install horizontal alignment (W1) and chevron signs at curves.

VA-40 from VA-655 to T-620 from T-628 to Wakefield WCL
- Short-term: Install new pavement markings on VA-602; Long-term: Assess

US 460 from Waverly Co. Line to Prince George Co. Line
- Short-term: Install horizontal alignment (W1) and chevron signs at curves.
- Long-term: Widen to 4 lanes.

US 460 from Waverly Co. Line to Prince George Co. Line
- Short-term: Install horizontal alignment (W1) and chevron signs at curves.
- Long-term: Widen to 4 lanes.

VA-46 from VA-460 N to VA-735 W.
- Long-term: Reconstruct road to address geometric deficiencies (11-foot lanes).

US 460 (General Mahone Hwy.)/VA-602 (Cabin Point Rd.)

VA-40 from Wakefield Co. Line to VA-40 Business
- Short-term: Install deer warning signs.
- Long-term: Widen to 4 lanes.
Surry County Deficiencies

**SURRY COUNTY RECOMMENDATIONS**

VA-626 (Beaverdam Rd.)/VA-618 (Hollybush Rd.)
- Short-term: Install pavement markings including edge lines, centerline and stop bar. Repave the depression on the NE corner.

VA-10 (Colonial Trail E.)/VA-650 (Mount Ray Dr.)/Hog Island Rd.
- Short-term: Install advance intersection warning signs (W2 series) on VA-10; install pavement marking on northbound Mount Ray Dr.

VA-617 from VA-10 to VA-650
- Mid-term: Explore the feasibility of bike/trail system; Long-term: Reconstruct road to address geometric deficiencies (12-foot lanes).

VA-10 (Colonial Trail E.)/N. VA-31 (Rolfe Hwy.)
- Short-term: Improve signal timings at the intersection; Long-term: Develop bikeways.

VA-626 (Lebanon Rd.)/VA-618 (Southwark Rd.)
- Short-term: Reconstruct roadway to straighten curves, widen, and grade (improve horizontal and vertical alignment) and remove dips.

VA-617 (White Marsh Rd.) from VA-10 E. to 2.8 Mi. S. of VA-10
- Short-term: Reconstruct and widen the roadway, straighten curve.

VA-10 E. (Bacon Castle Trail) at VA-617 (Colonial E.)
- Short-term: Install a left-turn lane for eastbound VA-10.

VA-646 from VA-626 to VA-613
- Long-term: Reconstruct road to address geometric deficiencies (12-foot lanes).

VA-616 (Golden Hill Rd.) from VA-10 E. to VA-632
- Short-term: Reconstrcut roadway and straighten curve.

VA-634 (Highgate Rd.) from VA-10 E. to VA-633
- Short-term: Reconstruct and widen roadway.

VA-10 E. (Bacon Castle Trail) at VA-617 (Colonial E.)
- Short-term: Install a left-turn lane for eastbound VA-10.
**Greenville County Recommendations**

**Greenville County Deficiencies**

**Greenville County Deficiencies**

**GREENVILLE COUNTY RECOMMENDATIONS**

**US 301 from North Carolina State Line to Sussex Co. Line**

**US 301 (Sussex Dr.)/VA-614 (Ottermann Rd.)**
Short-term: Paint pavement markings on westbound approach of Ottermann Rd.; Mid-term: Assess the interaction for signalization.

**VA-608 from VA-610 to VA-680**
Short-term: Install horizontal alignment (W1) and chevron signs at curves; stripe edge lines.

**VA-611 from Brunswick Co. Line to VA-633**
Short-term: Install horizontal alignment (W1) signs at curves.

**VA-610 from US 301 to VA-634**
Short-term: Install speed limit, curve warning and no passing (W14-3) signs at appropriate locations. Long-term: Construct a connector road from Sagles Lake Rd. to Purdy Rd. for access to new development.

**VA-730 from VA-622 to VA-676**
Long-term: Replace bridge.

**VA-730 from VA-622 to Emporia SCL**
Short-term: Install horizontal alignment (W2) signs and chevrons at appropriate locations.

**VA-639 from VA-650 to US 301**
Long-term: Reconstruct road to address geometric deficiencies (11-foot lanes). Repair bridge over Fountain Creek.

**VA-619 from Sussex Co. Line to VA-608**
Long-term: Reconstruct road to address geometric deficiencies (11-foot lanes).

**VA-610 from VA-613 to VA-634**
Long-term: Reconstruct road to address geometric deficiencies (11-foot lanes).

**VA-617 from VA-613 to VA-634**
Long-term: Reconstruct road to address geometric deficiencies (11-foot lanes).

**VA-614 from VA-617 to US 301**
Long-term: Reconstruct road to address geometric deficiencies (12-foot lanes).

**VA-630 from VA-129 to VA-648**
Long-term: Reconstruct road to address geometric deficiencies (11-foot lanes).

**VA-633 from VA-632 to VA-622**
Long-term: Reconstruct road to address geometric deficiencies (12-foot lanes).

**VA-629 from VA-622 to VA-631**
Long-term: Reconstruct road to address geometric deficiencies (12-foot lanes).

**VA-622 from VA-629 N to VA-730 W.**
Long-term: Reconstruct road to address geometric deficiencies (11-foot lanes).

**VA-730 from VA-660 to Southampton Co. Line**
Long-term: Reconstruct road to address geometric deficiencies (11-foot lanes).

**VA-611 from VA-658 to VA-643**
Short-term: Install raised pavement markers and rumble strips at appropriate locations.

**US 301 from Brunswick Ave. to US 58 Bus.**
Short-term: Redesign pavement markings on Meherin River bridge; Mid-term: Construction of a sidewalk along east side of US 301 (6 yr.); construction of signal at hospital entrance. (Emporia)

**US 58 (W. Atlantic St.)/Mark Dr. (US 58 Bus.)**
Short-term: Investigate possibility of installing crosswalks and pedestrian signals; Improve signal timings at the intersection; Mid-term: Provide second dedicated right turn lane on eastbound US 58 Bypass. (Emporia)

**US 58 (W. Atlantic St.)/E. Atlantic St. (US 58 Bus.)**
Short-term: Enhance horizontal alignment, truck warning and stop ahead signs on VA-602; red stripe pavement markings on VA-602. (Emporia)

**US 58 (E. Atlantic St.) from US 619 (Purdy Rd.) to US 302 Ramps**
Short-term: Extend right turn lanes at Market Dr. and Purdy Rd.; Long-term: Widen US 58 to six-lanes. (Emporia)

**US 58 Bus. (E. Atlantic St.) from US 301 to Southampton Rd.**
Short-term: Intersection improvements at US 301; Mid-term: Reconstruction without added capacity. (Emporia)

**US 301 from Va. 614 to Va. 665**
Long-term: Repair bridge over Fountain Creek.

**VA-608 from VA-610 to VA-680**
Long-term: Replacement bridge.

**VA-611 from VA-650 to US 301**
Long-term: Replace bridge over CSX railroad.

**VA-619 from Sussex Co. Line to VA-608**
Long-term: Reconstruction of roadway to address geometric deficiencies (11-foot lanes). Repair bridge over Fountain Creek.

**US 301 from VA-634 to VA-665**
Long-term: Replace bridge over CSX railroad.

**VA-610 from VA-613 to VA-634**
Long-term: Reconstruction of roadway to address geometric deficiencies (11-foot lanes).

**VA-617 from VA-613 to VA-634**
Long-term: Reconstruction of roadway to address geometric deficiencies (11-foot lanes).

**VA-614 from VA-617 to US 301**
Long-term: Reconstruction of roadway to address geometric deficiencies (12-foot lanes).

**VA-630 from VA-129 to VA-648**
Long-term: Reconstruction of roadway to address geometric deficiencies (11-foot lanes).

**VA-633 from VA-632 to VA-622**
Long-term: Reconstruction of roadway to address geometric deficiencies (12-foot lanes).

**VA-629 from VA-622 to US 301**
Long-term: Reconstruction of roadway to address geometric deficiencies (12-foot lanes).