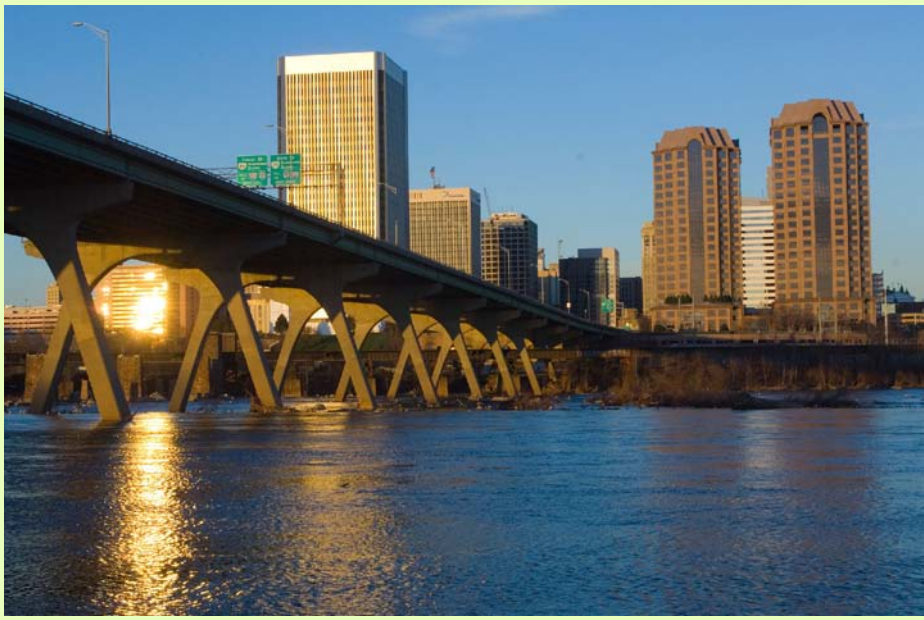
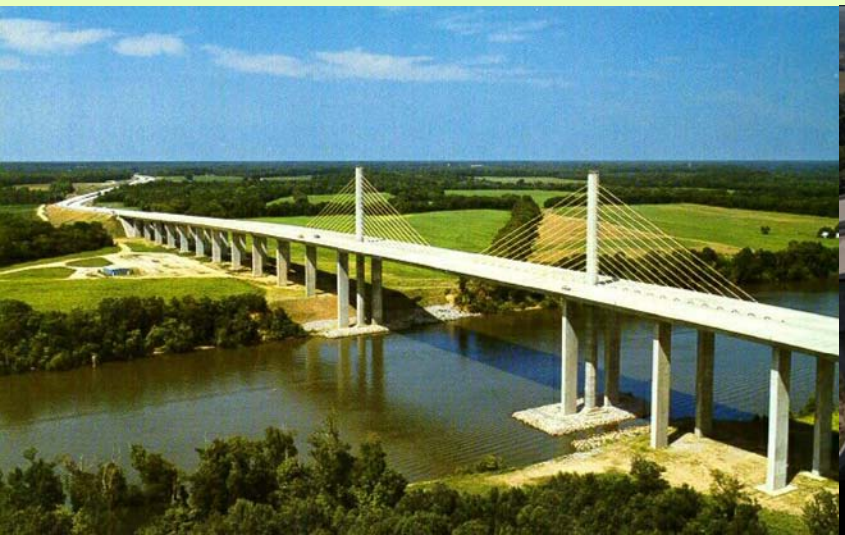
Richmond Regional Bridge and Culvert Inventory & Structural Assessment Report 2015 Update



RICHMOND AREA



ACKNOWLEDGMENTS

This report was prepared by the Richmond Regional Planning District Commission (RRPDC) staff through a cooperative process involving the City of Richmond, Counties of Charles City, Chesterfield, Goochland, Hanover, Henrico, New Kent, Powhatan , and the Town of Ashland, the Virginia Department of Transportation (VDOT), the Virginia Department of Rail and Public Transportation (DRPT), the Virginia Department of Aviation, the Capital Region Airport Commission, GRTC Transit System, the Richmond Metropolitan Authority, the Federal Highway Administration (FHWA), the Federal Transit Administration (FTA), the RRPDC and RideFinders, Inc., on behalf of the Richmond Area Metropolitan Planning Organization (MPO). The contents of this work program reflect the views of the MPO. The RRPDC staff is responsible for the facts and accuracy of the data presented herein. The contents do not necessarily reflect the official views or policies of the FHWA, FTA, VDOT, DRPT or the RRPDC. This document does not constitute a standard, specification, or regulation. FHWA, FTA, VDOT, or DRPT acceptance of this document as evidence of fulfillment of the objectives of this work program does not constitute endorsement/approval of the need for any recommended improvements nor does it constitute approval of their location and design or a commitment to fund any such improvements. Additional project level environmental impact assessments and/or studies of alternatives may be necessary.

NONDISCRIMINATION

The Richmond Area Metropolitan Planning Organization (RAMPO) fully complies with Title VI of the Civil Rights Act of 1964 and related statutes and regulations in all programs and activities. The RAMPO will strive to provide reasonable accommodations and services for persons who require special assistance to participate in this public involvement opportunity. For more information on meeting accessibility, or to obtain a Title VI Complaint Form, see www.richmondregional.org or call the Title VI Coordinator at 804-323-2033.

NO DISCRIMINACIÓN

Aviso de Título VI abreviado al público: RAMPO cumple plenamente con Título VI de la ley de Derechos Civiles de 1964 y con estatutos relacionados en todas programas y actividades. El RAMPO se esforzará por proporcionar alojamiento y servicios razonables para las personas que requieren asistencia especial para participar en esta oportunidad de participación pública. Para más información sobre accesibilidad de la reunión o para obtener los documentos de reclamación de Título VI, por favor visita www.richmondregional.org o llama el Coordinador del Título VI en 804-323-2033.

Richmond Regional Bridge and Culvert Inventory

&

Structural Assessment Report

2015 Update

Richmond Regional Transportation Planning Organization
9211 Forest Hill Avenue, Suite 200
Richmond, Virginia, 23235
Phone: (804) 323 - 2033
Fax: (804) 323 - 2025
www.richmondregional.org

Prepared by Richmond Regional Planning District Commission

Table of Contents

Page

- Executive Summary....1
- Bridge & Culvert Definitions....3
- National Bridge Inventory....3
- VDOT List of Structures....3
- Data Sources for the Report....4
- Mapping of the Structures....4
- Regional Bridge & Culvert Summary....5
  - Total Bridges & Culverts....5
  - Bridges & Culverts by Ownership....5
  - Bridges & Culverts by Age....6
  - Structures by Highway System....10
- Bridge Inspection and Ratings....11
  - Structurally Deficient Bridges & Culverts....11
  - Functionally Obsolete Bridges & Culverts....18
  - Deficient Structures....27
  - Weight Posted Structures....28
- Sufficiency Rating....32
- Health Index....32
- Federal Bridge Funding....37
  - Deficient Structures with Sufficiency Rating less than 50....37
  - Deficient bridges with sufficiency ratings greater than 50 and less than or equal to 80....43

Appendices

- Appendix A. Jurisdictional Level List and Map of all Bridges and Culverts....A1
- Appendix B. VDOT Bridge General Condition Rating Code Key....A66

List of Tables

Table		Page
1	Culverts & Bridges in the Richmond Region	4
2	Bridge & Culvert Mapping	5
3	Total Bridges & Culverts	5
4	Bridges & Culverts by Ownership	6
5	Bridges & Culverts by Decade Built/Reconstructed	10
6	Structures by Highway System	10
7	Structurally Deficient Bridges & Culverts by Jurisdiction	12
8	Structurally Deficient Bridges & Culverts by Ownership	12
9	Structurally Deficient Bridges & Culverts in the Richmond Region	14
10	Functionally Obsolete Bridges & Culverts by Jurisdiction	18
11	Functionally Obsolete Bridges & Culverts by Ownership	18
12	Functionally Obsolete Bridges & Culverts in the Richmond Region	20
13	Deficient Bridges & Culverts by Jurisdiction	27
14	Deficient Bridges & Culverts by Ownership	27
15	Weight Posted Bridges & Culverts	28
16	Weight Posted Structures in the Richmond Region	30
17	Sufficiency Rating in the Richmond Region	32
18	Bridges & Culverts with Lowest Health Index in the Richmond Region	34
19	Deficient Structures with sufficiency rating less than 50 by Jurisdictions	37
20	Deficient Structures with sufficiency rating less than 50 by Ownership	38
21	Structures Eligible for Federal Bridge Replacement Funds in the Richmond Region	40
22	Deficient Structures with Sufficiency Rating 50-80 by Jurisdictions	43
23	Deficient Structures with Sufficiency Rating 50-80 by Ownership	43
24	Structures Eligible for Federal Bridge Rehabilitation Funds in the Richmond Region	45

List of Maps

Map		Page
1	VDOT Owned Bridges & Culverts in the Richmond Region	7
2	Bridges & Culverts by Ownership in the Richmond Region (Non-VDOT)	8
3	Structures Built Before 1950 in the Richmond Region	9
4	Structurally Deficient Bridges & Culverts in the Richmond Region	13
5	Functionally Obsolete Bridges & Culverts in the Richmond Region	19
6	Weight Posted Bridges & Culverts in the Richmond Region	29
7	Structures with Health Index below 60 in the Richmond Region	33
8	Structures Eligible for Federal Bridge Replacement Funds in the Richmond Region	39
9	Structures Eligible for Federal Bridge Rehabilitation Funds in the Richmond Region	44

Richmond Regional
Planning District Commission
Metropolitan Planning Organization

Town of
Ashland
Counties of
Charles City
Chesterfield
Goochland
Hanover
Henrico
New Kent
Powhatan
City of
Richmond

TPO AGENDA 12/3/15; ITEM III.A.

RICHMOND REGIONAL BRIDGE AND CULVERT INVENTORY & STRUCTURAL ASSESSMENT REPORT

Richmond Regional Transportation Planning Organization

On motion of James H. Burrell, seconded by Patricia S. O'Bannon, the Richmond Regional Transportation Planning Organization (RRTPO) unanimously approved the following resolution:

RESOLVED, that the Richmond Regional Transportation Planning Organization (TPO) accepts the *Richmond Regional Bridge and Culvert Inventory & Structural Assessment Report 2015 update* as work complete; and

BE IT FURTHER RESOLVED, that the TPO directs staff to work with TAC and VDOT Richmond District staff to develop a regional bridge replacement and rehabilitation strategy for TPO review that would include a methodology for prioritizing regional bridge needs, identify a prioritized list of bridge needs, and identify funding strategies to address the infrastructure investment needs.

****

This is to certify that the Richmond Regional Transportation Planning Organization (TPO) approved the above resolution at its meeting held December 3, 2015.

WITNESS:

Sharon E. Robeson
Administrative Secretary
Richmond Regional Planning
District Commission

BY:

Barbara S. Nelson
Secretary
Richmond Regional Transportation
Planning Organization

9211 Forest Hill Avenue, Suite 200 • Richmond, Virginia 23235 • Telephone: (804) 323-2033 • Fax: (804) 323-2025
www.richmondregional.org

Executive Summary

Bridges and culverts are an important part of any regional transportation systems. Due to the presence of many rivers like the James River, Pamunkey River, Chickahominy River, Appomattox River and South Anna River and numerous creeks and streams in the Richmond Region there are many bridges (and culverts) in the Richmond Region. Similarly, due to the presence of an integrated network of highways including Interstates 64, 95, 195 and 295, freeway Routes 76, 150, 288 and 895 and many other state and US highways there are many elevated (grade-separated) interchanges. The condition of these structures is key to the smooth flow of transportation in the Richmond Region.

The Richmond Regional Bridge and Culvert Inventory & Structural Assessment Report 2014 was the first attempt of the Richmond Regional Transportation Planning Organization (RRTPO) to provide inventory of all the structures in the region, and identify structures with poor conditions (structurally deficient, functionally obsolete, weight posted, etc.). The report also provided a list of structures eligible for federal bridge replacement funds and federal bridge rehabilitation funds.

This 2015 update of the Richmond Regional Bridge & Culvert Inventory & Structural Report builds on the previous report. This report is based on the snapshot of the data captured from VDOT's online dashboard as of January 15, 2015; exactly one year after of the snapshot data used in the 2014 Report.

In 2014, 1,414 structures were listed in the database. In 2015, 1,412 structures were listed. The difference in inventory is due to the fact that some structures get closed, some get replaced and some newly constructed. Out of the 1412 structures in the inventory 815 are bridges and 597 are culverts.

Bridges and culverts in the Richmond Region are owned and maintained by VDOT, various jurisdictions and other public and private agencies**.** VDOT owns and maintains around 85 percent of all bridges and culverts in the region. The City of Richmond and Henrico County own and maintain almost 10 percent of all bridges and culverts. Chesterfield County and Town of Ashland both maintain 1 culvert each. Local Tolling agency Richmond Metropolitan Transportation Authority (RMTA) owns and maintains about 33 bridges and culverts (2.3% of all structures). A few bridges are owned and maintained by the private sector. Transurban owns and maintains 34 bridges and culverts in Route 895 (including ramps). Private railroad agencies CSX Corporation and Norfolk Southern Railways own and maintain 4 bridges in total (3 by CSX and 1 by Norfolk Southern)

The median year a structure (bridge or culvert) was constructed (or undergo major reconstruction) in the Richmond Region is 1985, making the median age of the structures in the region as 30 years as of January 2015. Out of 1,412 structures in the Richmond Region, 64 structures (4.5%) built before 1950 have not gone through any major reconstruction work. The bulk of the bridges in the region were built from 1960 to 1990 (52%).

Structures are considered structurally deficient if they have been restricted to light vehicles, closed to traffic or require rehabilitation. Structurally deficient means there are elements of the bridge that need to be monitored and/or repaired. The fact that a bridge is "structurally deficient" does not imply that it is likely to collapse or that it is unsafe. In 2014, 109 structures were classified as structurally deficient structures and in 2015, 110 structures.

A functionally obsolete structure (bridge or culvert) is one which was built to standards that are not used today. These structures are not automatically rated as structurally deficient, nor are they inherently unsafe. Functionally obsolete bridges do not have adequate lane widths, shoulder widths, or vertical clearances to serve current traffic demand, or those that may be occasionally flooded. In 2014, 183 structures were classified as functionally obsolete structures and in 2015, 185 structures.

According to the Federal Highway Administration (FHWA) a structure is deemed "deficient" if the structure is rated either 'structurally deficient' or 'functionally obsolete'.

Sufficiency ratings were developed by the Federal Highway Administration to serve as a prioritization tool to allocate funds. The rating varies from 0 percent (poor) to 100 percent (very good). The formula considers structural adequacy, whether the structure is functionally obsolete and level of service provided to the public.

Deficient bridges with sufficiency ratings of less than 50 qualify for federal bridge replacement funds. In the Richmond Region, Structures eligible for federal bridge replacement funds have increased from 70 to 77 from 2014 to 2015.

Similarly deficient bridges with sufficiency ratings greater than 50 and less than or equal to 80 qualify for federal bridge rehabilitation funds. In 2015, in the Richmond Region 171 structures have been identified as deficient structures with sufficiency rating greater than 50 and less than 80.

The following summaries the findings of 2015 update of the Richmond Regional Bridge & Culvert Inventory & Structural Report:

- Total number Structures in the Richmond Region : 1,412
- Total number of Bridges : 815
- Total number of Culverts: 597
- Total number of Structurally Deficient Bridges: 110
- Total Number of Functionally Obsolete bridges: 185
- Total number of Deficient bridges: 295
- Median Age of Structures : 30 years
- Number of Structures eligible for Federal Bridge Replacement Funds: 77
- Number of Structures eligible for Federal Bridges Rehabilitation Funds: 171

Bridge & Culvert Definitions

Bridges and culverts are collectively called "structures". The National Bridge Inspection Standards (NBIS) published in the Code of Federal Regulations (23 CFR 650.3) give the following definition of a bridge:

"A structure including supports erected over a depression or an obstruction, such as water, highway, or railway, and having a track or passageway for carrying traffic or other moving loads, and having an opening measured along the center of the roadway of more than 20 feet (6.1 meters) between undercopings of abutments or spring lines of arches, or extreme ends of openings for multiple boxes; it may also include multiple pipes, where the clear distance between openings is less than half of the smaller contiguous opening."

Similarly, according to Report No. FHWA-PD-96-001 (Recording and Coding Guide for the Structure and Inventory of the Nation's Bridges) a culvert is defined as:

"A structure designed hydraulically to take advantage of submergence to increase hydraulic capacity. Culverts, as distinguished from bridges, are usually covered with embankment and are composed of structural material around the entire perimeter, although some are supported on spread footings with the streambed serving as the bottom of the culvert. Culverts may qualify to be considered "bridge" length."

National Bridge Inventory (NBI)

The National Bridge Inventory (NBI) is a database, compiled by the Federal Highway Administration (FHWA), with information on all structures in the United States that have roads passing above or below. The data is used to analyze bridges and judge their conditions. The bridge inventory is developed with the purpose of having a unified database for bridges, including identification information, bridge types and specifications (including geometric data) and operational conditions. Any bridge or culvert satisfying the definition of structure in NBIS as stated above and more than 20 feet (6.1 meters) long used for vehicular traffic is included in NBI. Those structures which are included in the NBI are called "NBI structures".

Similarly, a structure is referred to as a "Non-NBI structure" if it is a bridge with a clear span opening (as defined above) of less than 20 feet or a culvert with an opening of greater than 36 square feet but not meeting the definition of an "NBI structure" given above.

VDOT List of Structures

The Virginia Department of Transportation (VDOT) is responsible for the inventory and inspections of all structures across the state including bridges and culverts owned by VDOT and other jurisdictions, public agencies, and private entities (e.g. railroads, private toll roads, etc.). VDOT maintains an online dashboard showing the latest structure conditions by VDOT District. VDOT inspects and documents all

bridges regardless of their length and all culverts having an opening greater than 36 square feet. VDOT's list of structures contain both bridges and culverts, and both NBI structures and Non-NBI- structures.

Data Sources for the Report

The database of structures available online in the VDOT dashboard is the primary source for all data used in this report. The dashboard was accessed on January 15, 2015 and the excel spreadsheet for VDOT Richmond District was downloaded. A query was then done to select the structures located in the nine jurisdictions (Town of Ashland, Counties of Charles City, Chesterfield, Hanover, Henrico, Goochland, New Kent and Powhatan, and City of Richmond) of the Richmond Region.

The database has 1,412 structures listed in the Richmond Region. It includes 815 bridges and 597 culverts. The database includes 1,094 NBI structures and 318 Non-NBI structures. All analysis in this document is based on all the structures listed in the database. Table 1 shows the breakdown by the total number of bridges and culverts and also by NBI or Non- NBI structures.

Table 1: Culverts & Bridges in the Richmond Region

Type	Total	NBI Structure	Non-NBI Structure
Bridge	815	778	37
Culvert	597	316	281
Total	1,412	1,094	318

Mapping of the Structures

The bridges and culverts listed in the NBI, were mapped using NBI coordinates. VDOT database provides route name and crossing of the structure but does not provide the geographical coordinates (latitude and longitude) of the structure. In order to get the geographical coordinates, 2012 (the most current) NBI ASCII database file for Virginia (data is available by State) was retrieved from the FHWA website. This database was joined to the VDOT database using the Federal Structure Number. The Federal Structure Number is an identification information which addresses the bridge location uniquely and classifies the type of routes carried on or under the structure and locates the bridge geographically. The latitude and longitude data in the NBI database was then used to create point geography using ArcGIS and the points were then mapped.

For bridges and culverts which are not listed in NBI and for the newer structures built in or after 2012, the route name and crossing information provided in the VDOT database were used. The street maps and aerial photography provided by Google and Bing were used to locate the structure using the information provided by VDOT database. These structures were then manually created as point geography in ArcGIS and then mapped.

Staff was unable to map some very small bridges and culverts due to the lack of appropriate information. It was also hard to pinpoint some culverts using aerial photography due to the tree canopy. The mapping summary of the bridges and culverts in the Richmond Region is provided in Table 2.

Table 2: Bridge & Culvert Mapping									
Type	**Bridge**			**Culvert**			**Total Structure**		
Mapping Status	**NBI**	**Not in NBI**	**Total**	**NBI**	**Not in NBI**	**Total**	**NBI**	**Not in NBI**	**Total**
Mapped	778	34	812	315	9	324	1,093	43	1,136
Unmapped	0	3	3	1	272	273	1	275	276
Total	778	37	815	316	281	597	1,094	318	1,412

Regional Bridge & Culvert Summary

Total Bridges & Culverts

The Richmond Region has a total of 1,412 bridges and culverts. The breakdown of the bridges by jurisdiction is shown in the table below.

Table 3: Total Bridges & Culverts

Jurisdiction	# of Bridges & Culverts
Town of Ashland	6
Charles City County	29
Chesterfield County	350
Goochland County	128
Hanover County	204
Henrico County	360
New Kent County	97
Powhatan County	47
City of Richmond	191
Richmond Region	**1,412**

Bridges & Culverts by Ownership

Bridges and culverts in the Richmond Region are owned and maintained by VDOT, various jurisdictions and other public and private agencies**.** VDOT owns and maintains around 85 percent of all bridges and culverts in the region. The City of Richmond and Henrico County own and maintain almost 10 percent of all bridges and culverts. Chesterfield County and Town of Ashland both maintain 1 culvert each. Local Tolling agency Richmond Metropolitan Transportation Authority (RMTA) owns and maintains about 33 bridges and culverts (2.3% of all structures). A few bridges are owned and maintained by the private sector. Transurban owns and maintains 34 bridges and culverts in Route 895 (including ramps). Private railroad agencies CSX Corporation and Norfolk Southern Railways own and maintain 4 bridges in total (3 by CSX and 1 by Norfolk Southern). Table 4 below lists the breakdown of bridges and culverts by ownership.

Table 4: Bridges & Culverts by Ownership

Ownership	# of Bridges & Culverts	Percentage of Total
Town of Ashland	1	0.1%
City of Richmond	79	5.6%
Chesterfield County	1	0.1%
Henrico County	65	4.6%
RMTA	33	2.3%
Transurban	34	2.4%
Railroad (CSX & NS)	4	0.3%
VDOT	1,195	84.9%
Total	**1,412**	**100.0%**

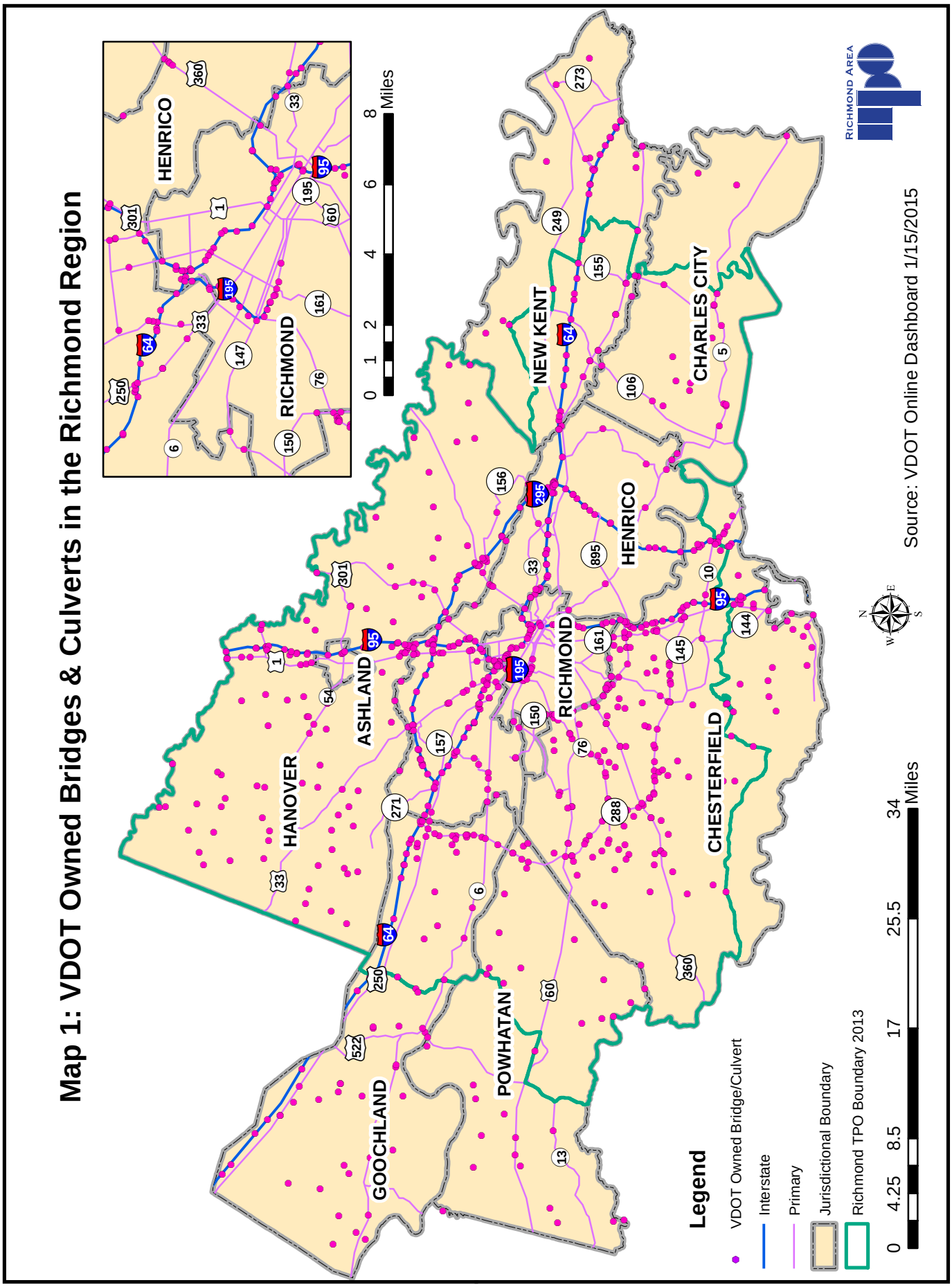
Maps 1 & 2 show the structures owned by VDOT and structures owned by other public and private agencies respectively.

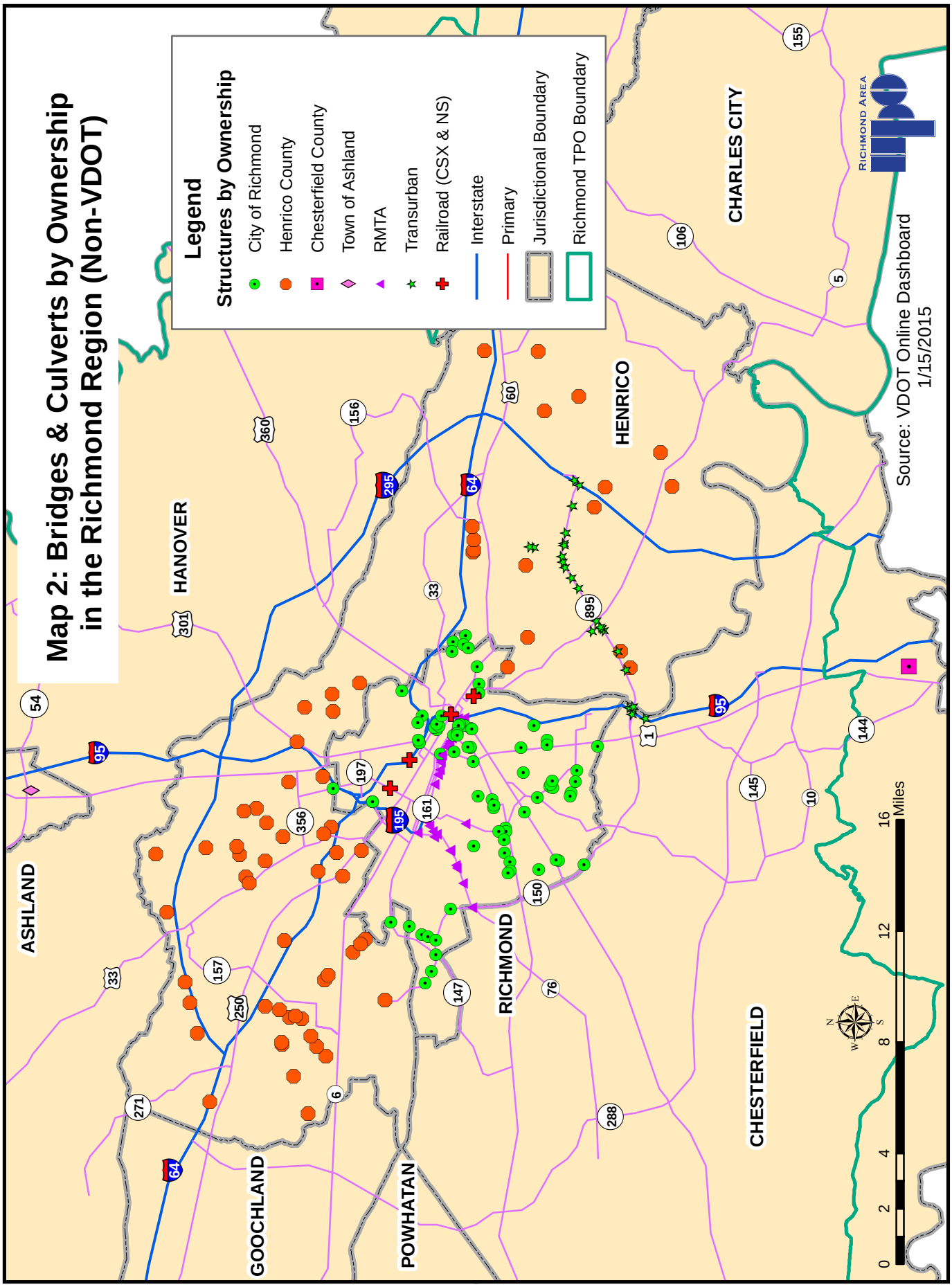
Bridges & Culverts by Age

The median year a structure (bridge or culvert) was constructed (or undergo major reconstruction) in the Richmond Region is 1985, making the median age of the structures in the region as 30 years as of January 2015. Out of 1,412 structures in the Richmond Region, 64 structures (4.5%) built before 1950 have not gone through any major reconstruction work. The bulk of the bridges in the region were built from 1960 to 1990 (52%). The new millennium has seen the building of 316 new structures. Most of these bridges were built on new freeways (Routes 288 and 895). Some of these new bridges replaced the older ones.

Map 3 shows the locations of all structures built before 1950 in the Richmond Region.

Table 5 shows the breakdown of bridges and culverts built in the Richmond Region by decade built.


Map 1: VDOT Owned Bridges & Culverts in the Richmond Region
HENRICO
RICHMOND
0 1 2 4 6 8 Miles
HANOVER
ASHLAND
GOOCHLAND
POWHATAN
NEW KENT
CHARLES CITY
HENRICO
RICHMOND
CHESTERFIELD
Source: VDOT Online Dashboard 1/15/2015
Legend
VDOT Owned Bridge/Culvert
Interstate
Primary
Jurisdictional Boundary
Richmond TPO Boundary 2013
0 4.25 8.5 17 25.5 34 Miles


Map 2: Bridges & Culverts by Ownership in the Richmond Region (Non-VDOT)
Legend
Structures by Ownership
City of Richmond
Henrico County
Chesterfield County
Town of Ashland
RMTA
Transurban
Railroad (CSX & NS)
Interstate
Primary
Jurisdictional Boundary
Richmond TPO Boundary
Source: VDOT Online Dashboard
1/15/2015
RICHMOND AREA MPO
ASHLAND
HANOVER
GOOCHLAND
POWHATAN
RICHMOND
HENRICO
CHESTERFIELD
CHARLES CITY
0 2 4 8 12 16 Miles

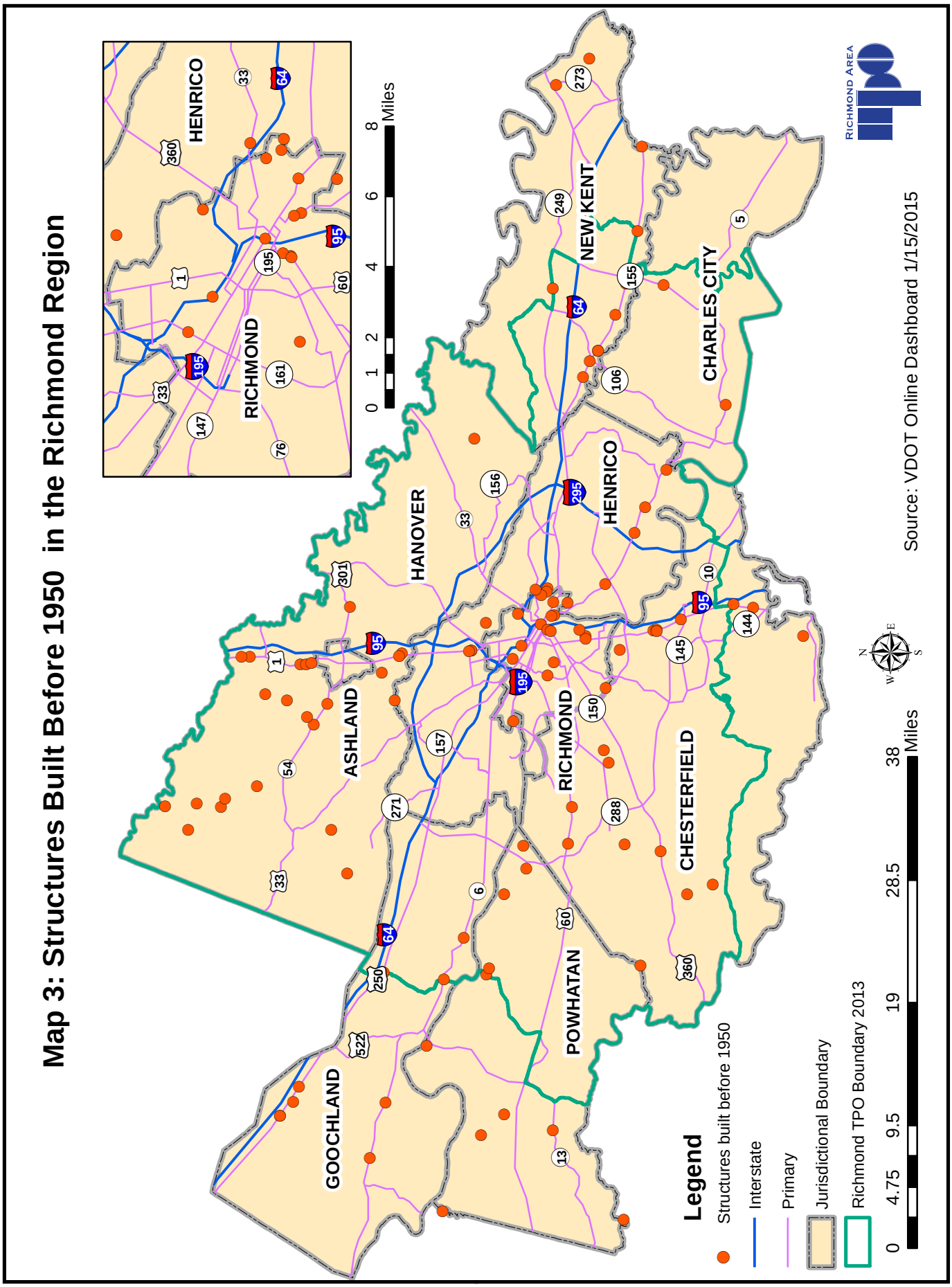

Map 3: Structures Built Before 1950 in the Richmond Region
HENRICO
RICHMOND
0 1 2 4 6 8 Miles
GOOCHLAND
ASHLAND
HANOVER
HENRICO
NEW KENT
CHARLES CITY
RICHMOND
POWHATAN
CHESTERFIELD
Legend
Structures built before 1950
Interstate
Primary
Jurisdictional Boundary
Richmond TPO Boundary 2013
0 4.75 9.5 19 28.5 38 Miles
Source: VDOT Online Dashboard 1/15/2015
RICHMOND AREA TPO

Table 5: Bridges & Culverts by Decade Built/Reconstructed

Jurisdiction	1900-1909	1910-1919	1920-1929	1930-1939	1940-1949	1950-1959	1960-1969	1970-1979	1980-1989	1990-1999	2000-2009	2010-2014	Total
Town of Ashland						2	1		1	1	1		6
Charles City County				1		7	3	4	4	3	6	1	29
Chesterfield County			2	1	4	12	18	29	73	101	91	19	350
Goochland County			1	5		8	43	11	8	11	36	5	128
Hanover County				1	3	10	26	55	35	29	37	8	204
Henrico County					3	16	62	64	84	63	52	16	360
New Kent County			3	1	15	3	10	54	2	5	4		97
Powhatan County				5	5	1	8	12	3	3	8	2	47
City of Richmond	1	3	1	5	4	9	16	69	20	33	19	11	191
Richmond Region	**1**	**3**	**7**	**19**	**34**	**68**	**187**	**298**	**230**	**249**	**254**	**62**	**1,412**
Percentage By Decade	**0.07%**	**0.21%**	**0.50%**	**1.35%**	**2.41%**	**4.82%**	**13.24%**	**21.10%**	**16.29%**	**17.63%**	**17.99%**	**4.39%**	**100.00%**

Structures by Highway System

In Virginia the highway system, for funding purpose is categorized as Interstate, Primary, Secondary and Urban system. Table 6 shows the number of culverts and bridges in each of these categories. Few of the newly constructed structures have not been categorized yet and have been listed as “unclassified”.

Table 6: Structures by Highway System

Highway System	# of Bridges	# of Culverts	Total Structures	Percentage of Total
Interstate	176	166	342	24.22%
Primary	291	179	470	33.29%
Secondary	269	200	469	33.22%
Urban	78	51	129	9.14%
Unclassified	1	1	2	0.14%
Total	**815**	**597**	**1,412**	**100.00%**

Bridge Inspection & Ratings

The Virginia Department of Transportation (VDOT) is responsible for the inventory and inspection of all bridges and culverts across Virginia, including bridges and culverts owned by VDOT and other jurisdictions, public agencies or private entities (e.g. railroads, private toll roads etc.). The bridges and culverts are inspected in accordance to the National Bridge Inspection Standards (NBIS).

Condition ratings are used to describe an existing bridge compared to its condition if it were new. The ratings are based on the materials, physical condition of the deck (riding surface), the superstructure (supports immediately beneath the driving surface) and the substructures (foundation and supporting posts and piers). Culverts have one element to inspect (the whole culvert,) unlike the bridges which have three (deck, superstructure and substructure). General condition ratings range from 0 (failed condition) to 9 (excellent). The VDOT Bridge Condition Code key is attached in the appendix for reference.

Structurally Deficient Bridges & Culverts

Bridges are considered structurally deficient if they have been restricted to light vehicles, closed to traffic or require rehabilitation. Structurally deficient means there are elements of the bridge that need to be monitored and/or repaired.

The condition of different parts of a bridge is rated on a scale of 0 to 9 (with 9 being “excellent” and zero being “failed”). A structurally deficient bridge is one for which the deck (riding surface), the superstructure (supports immediately beneath the driving surface) or the substructure (foundation and supporting posts and piers) are rated in condition 4 or less.

The fact that a bridge is "structurally deficient" does not imply that it is likely to collapse or that it is unsafe. To remain open to traffic, structurally deficient bridges are often posted with reduced weight limits that restrict the gross weight of vehicles using the bridges. If unsafe conditions are identified during a physical inspection, the structure must be closed.

As of January 15, 2015, 110 of the 1,412 structures (7.8 % of all structures) in the Richmond Regional are classified as structurally deficient structures. The City of Richmond has 29 structurally deficient structures making more than 15% of its structures structurally deficient. Powhatan County and New Kent County both have more than 10% of its structures are designated structurally deficient.

95 of 109 structurally deficient structures in the Richmond Region (86% of the structurally deficient structures) are owned by VDOT. There are 8 structures owned by the city of Richmond which are structurally deficient. Similarly, a number of bridges owned by Henrico County, railroad companies and the RMTA are also structurally deficient. The tables below show the distribution of structurally deficient structures by jurisdiction and by ownership in the Richmond Region.

Table 7: Structurally Deficient Bridges & Culverts by Jurisdiction

Jurisdiction	Total Bridges & Culverts	S.D. Bridges & Culverts	Percentage classified as S.D.
Town of Ashland	6	0	0.00%
Charles City County	29	2	6.90%
Chesterfield County	350	18	5.10%
Goochland County	128	8	6.30%
Hanover County	204	19	9.30%
Henrico County	360	17	4.70%
New Kent County	97	12	12.40%
Powhatan County	47	5	10.60%
City of Richmond	191	29	15.20%
Richmond Region	**1,412**	**110**	**7.80%**

Table 8: Structurally Deficient Bridges & Culverts by Ownership

Ownership	Total Bridges & Culverts	S.D. Bridges & Culverts	Percentage classified as S.D.
Town of Ashland	1	0	0.00%
City of Richmond	79	8	10.10%
Chesterfield County	1	0	0.00%
Henrico County	65	4	6.20%
RMTA	33	0	0.00%
Transurban	31	0	0.00%
Railroad (CSX & NS)	4	3	75.00%
VDOT	1,195	95	7.90%
Total	**1,412**	**110**	**7.80%**

Map 4 shows the location of structurally deficient bridges and culverts in the Richmond Region. A complete list of these structures follows Map 4.

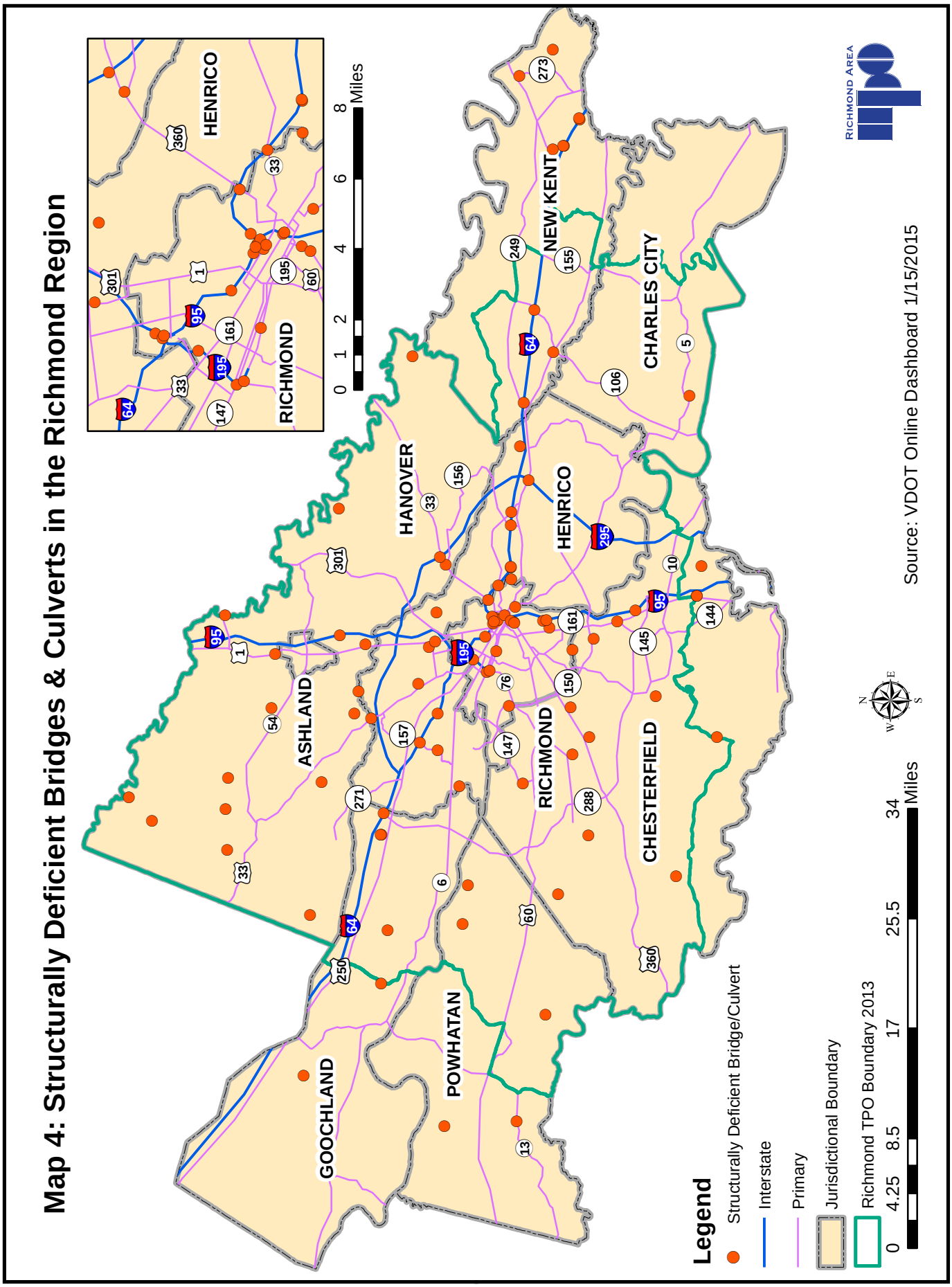

Map 4: Structurally Deficient Bridges & Culverts in the Richmond Region
HENRICO
RICHMOND
0 1 2 4 6 8 Miles
GOOCHLAND
POWHATAN
ASHLAND
HANOVER
HENRICO
NEW KENT
CHARLES CITY
RICHMOND
CHESTERFIELD
Legend
Structurally Deficient Bridge/Culvert
Interstate
Primary
Jurisdictional Boundary
Richmond TPO Boundary 2013
0 4.25 8.5 17 25.5 34 Miles
N E S W
Source: VDOT Online Dashboard 1/15/2015
Richmond Area TPO

Table 9: Structurally Deficient Bridges and Culverts in the Richmond Region

Jurisdiction	Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Deck Condition Rating	Superstructure Condition Rating	Substructure Condition Rating	Culvert Conditing Rating
Charles City County	5	JOHN TYLER MEM HWY	HERRING CREEK	VDOT	4796	Bridge	Yes	1953	1989	4	4	6	N
Charles City County	640	HERRING CREEK ROAD	HERRING CREEK	VDOT	4819	Bridge	Yes	1930	1991	5	5	4	N
Chesterfield County	763	FORDHAM ROAD	HORNERS RUN	VDOT	29014	Culvert	Yes	1981	2008	N	N	N	4
Chesterfield County	1	Jefferson Davis HY	CSX TRANSPORTATION	VDOT	4986	Bridge	Yes	1934	1970	5	4	4	N
Chesterfield County	1	Jeff Davis Highway	BRANCH OF ASHTON CREEK	VDOT	4993	Bridge	No	1928	1928	4	4	4	N
Chesterfield County	1	Jeff Davis Hwy	ASHTON CREEK	VDOT	4994	Bridge	Yes	1928	2001	6	7	4	N
Chesterfield County	95	Interstate-95	RTE 608 (REYMET RD)	VDOT	5058	Bridge	Yes	1958	1990	4	5	5	N
Chesterfield County	147	ROUTE 0147	UNNAMED TRIBUTARY	VDOT	5104	Culvert	Yes	1950	1985	N	N	N	4
Chesterfield County	150	ROUTE 0150 EBL	NS RAILWAY	VDOT	5141	Bridge	Yes	1972	1972	6	4	6	N
Chesterfield County	603	Winterpock Road	WINTERPOCK CREEK	VDOT	5232	Bridge	Yes	1945	2006	7	4	6	N
Chesterfield County	604	Genito Road	TOMAHAWK CREEK	VDOT	5238	Bridge	Yes	1939	1939	6	4	6	N
Chesterfield County	606	Mt. Hermon Road	SWIFT CREEK	VDOT	5243	Bridge	Yes	1972	1972	6	4	6	N
Chesterfield County	636	Nash Road	RITA BRANCH	VDOT	5271	Bridge	No	1951	1951	4	4	4	N
Chesterfield County	637	Hopkins Rd.	FALLING CREEK	VDOT	5272	Bridge	Yes	1952	1952	5	4	4	N
Chesterfield County	641	Dundas Road	CSX TRNS & USDGSC SERVIC	VDOT	5280	Bridge	Yes	1951	1961	5	4	4	N
Chesterfield County	647	Walmsley Blvd.	POCOSHOCK CREEK	VDOT	5283	Culvert	Yes	1980	1980	N	N	N	4
Chesterfield County	654	Spring Run Road	THIRD BRANCH	VDOT	5306	Bridge	No	1940	2001	6	7	4	N
Chesterfield County	655	BEACH ROAD	SWIFT CREEK	VDOT	5309	Bridge	Yes	1972	1972	6	4	5	N
Chesterfield County	678	West Providence Rd	BRANCH OF FALLING CREEK	VDOT	5328	Bridge	Yes	1947	1947	4	4	5	N
Chesterfield County	746	Ruffins Mill Road	ASHTON CREEK	VDOT	5342	Bridge	No	1950	1996	6	4	6	N
Goochland County	623	Ashland Road	TUCKAHOE CREEK	VDOT	8643	Culvert	Yes	1966	1966	N	N	N	3
Goochland County	641	Genito Road	GENITO CREEK	VDOT	8662	Culvert	No	1969	1969	N	N	N	3
Goochland County	673	Route 673	ROCKETS WILD BOAR CREEK	VDOT	8674	Culvert	Yes	1966	1966	N	N	N	3
Goochland County	64	Interstate-64 EBL	LITTLE TUCKAHOE CREEK	VDOT	8580	Bridge	Yes	1967	1980	6	4	5	N
Goochland County	64	I-64 WBL	LITTLE TUCKAHOE CREEK	VDOT	8581	Bridge	Yes	1967	1980	6	4	5	N
Goochland County	622	Rockville road	ANDERSON CREEK	VDOT	8637	Culvert	No	1971	1971	N	N	N	4
Goochland County	639	Sheppard Town Road	BR OF BEAVERDAM CREEK	VDOT	8659	Culvert	Yes	1986	1986	N	N	N	4
Goochland County	650	River Road	TUCKAHOE CREEK	VDOT	8666	Bridge	Yes	1950	1987	4	4	4	N
Hanover County	625	GREENWOOD ROAD	CHICKAHOMINY RIVER	VDOT	9500	Bridge	Yes	1937	1975	6	5	3	N
Hanover County	629	PIPING TREE FERRY	WHITING SWAMP	VDOT	9508	Culvert	No	1967	1967	N	N	N	3
Hanover County	660	WINNS CHURCH ROAD	GRASSY SWAMP CREEK	VDOT	9540	Culvert	No	1970	1970	N	N	N	3
Hanover County	1	WASHINGTON HIGHWAY	CSX TRANSPORTATION	VDOT	9363	Bridge	Yes	1934	1973	5	5	4	N
Hanover County	30	KINGS DOMINION BVD	NORTH ANNA RIVER	VDOT	9378	Bridge	Yes	1966	1966	5	4	5	N
Hanover County	33	EBL MOUNTAIN ROAD	CHICKAHOMINY RIVER	VDOT	9381	Bridge	Yes	1971	2003	6	4	5	N

Table 9: Structurally Deficient Bridges and Culverts in the Richmond Region

Jurisdiction	Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Deck Condition Rating	Superstructure Condition Rating	Substructure Condition Rating	Culvert Conditing Rating
Hanover County	156	COLD HARBOR ROAD	RTE 360	VDOT	9412	Bridge	Yes	1968	1968	5	4	6	N
Hanover County	295	EBL ROUTE 0295	BEAVERDAM CREEK	VDOT	9430	Bridge	Yes	1979	1979	6	4	6	N
Hanover County	605	RIVER ROAD	CRUMP CREEK	VDOT	9473	Bridge	Yes	1982	1982	5	6	4	N
Hanover County	611	Vontay Road	TURKEY CREEK	VDOT	9487	Bridge	No	1960	1986	7	4	6	N
Hanover County	658	GOSHEN ROAD	NEW FOUND RIVER	VDOT	9539	Bridge	Yes	1978	1978	5	4	4	N
Hanover County	661	OLD TELEGRAPH ROAD	STONY RUN	VDOT	9541	Bridge	Yes	1919	1973	4	4	6	N
Hanover County	670	STONE HORSE CR RD	STONE HORSE CREEK	VDOT	9550	Culvert	No	1970	1970	N	N	N	4
Hanover County	671	COATESVILLE ROAD	NEEDSTAN CREEK	VDOT	9553	Culvert	No	1961	1961	N	N	N	4
Hanover County	686	HORSESHOE BRIDGE	STAGG CREEK	VDOT	9566	Bridge	Yes	1975	1975	5	4	6	N
Hanover County	715	Beaver Dam Road	NEW FOUND RIVER	VDOT	9578	Bridge	Yes	1959	1959	4	6	5	N
Hanover County	715	BEAVER DAM ROAD	S. BRANCH BEAVERDAM CRK	VDOT	9581	Culvert	Yes	1947	1947	N	N	N	4
Hanover County	738	TEMAN ROAD	PUG SWAMP CREEK	VDOT	9589	Bridge	Yes	1913	1978	6	4	5	N
Hanover County	802	LEWISTOWN ROAD	RTE I 95	VDOT	9596	Bridge	Yes	1961	1991	4	4	4	N
New Kent County	33	NEW KENT HIGHWAY	RTE I 64 @ BOTTOMS BRIDG	VDOT	12630	Bridge	Yes	1965	1965	4	6	5	N
New Kent County	60	EBL POCAHONTAS TR	TOE INK SWAMP	VDOT	12641	Bridge	Yes	1947	1947	4	5	4	N
New Kent County	64	EBL ROUTE 0064	RTE 627	VDOT	12665	Bridge	Yes	1971	1971	6	4	6	N
New Kent County	64	WBL ROUTE 0064	RTE 627	VDOT	12667	Bridge	Yes	1971	1971	6	4	6	N
New Kent County	64	EBL ROUTE 0064	BEAVERDAM CREEK	VDOT	12673	Bridge	Yes	1972	1972	6	4	6	N
New Kent County	64	WBL ROUTE 0064	BEAVERDAM CREEK	VDOT	12674	Bridge	Yes	1972	1972	6	4	5	N
New Kent County	64	EBL ROUTE 0064	WAHRANI SWAMP	VDOT	12675	Bridge	Yes	1972	1972	6	4	5	N
New Kent County	64	WBL ROUTE 0064	WAHRANI SWAMP	VDOT	12676	Bridge	Yes	1972	1972	6	4	5	N
New Kent County	106	EMMAUS CHURCH ROAD	RTES I 64 & 33	VDOT	12704	Bridge	Yes	1972	1972	6	4	6	N
New Kent County	273	FARMERS DRIVE	ELTHAM CREEK	VDOT	12709	Bridge	Yes	1947	1947	4	4	6	N
New Kent County	600	HOLLY FORK ROAD	GODDINS MILL POND	VDOT	12711	Bridge	No	1920	1997	4	5	5	N
New Kent County	632	Stage Road	BEAVERDAM CREEK	VDOT	12741	Culvert	Yes	1976	1976	N	N	N	4
Powhatan County	13	Old Buckingham Rd.	SALLEE CREEK	VDOT	13826	Bridge	Yes	1920	1945	5	5	4	N
Henrico County	1	NBL BROOK ROAD	UPHAM BROOK	VDOT	9716	Bridge	Yes	1921	1971	6	3	4	N
Henrico County	156	WILLIS CHURCH ROAD	CREWES CHANNEL	VDOT	9863	Culvert	No	1984	1984	N	N	N	3
Henrico County	7667	SKIPWITH ROAD	ROUTE 0064	VDOT	9612	Bridge	Yes	1967	1967	4	6	5	N
Henrico County	0	PARHAM ROAD	CSX RAILWAY	Henrico County	9634	Bridge	Yes	1967	1997	6	5	4	N
Henrico County	0	MEADOW ROAD	BOAR SWAMP	Henrico County	9652	Culvert	Yes	1954	1954	N	N	N	4
Henrico County	0	LAKESIDE AVENUE	NORTH RUN	Henrico County	9657	Bridge	Yes	1954	1954	5	4	5	N
Henrico County	0	WILKINSON ROAD	UPHAM BROOK	Henrico County	9661	Culvert	Yes	1954	1954	N	N	N	4
Henrico County	33	NINE MILE ROAD	ROUTE 0064	VDOT	9745	Bridge	Yes	1968	1988	6	4	4	N

Table 9: Structurally Deficient Bridges and Culverts in the Richmond Region

Jurisdiction	Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Deck Condition Rating	Superstructure Condition Rating	Substructure Condition Rating	Culvert Conditing Rating
Henrico County	60	EBL WILLIAMSBURG	RTE I 295	VDOT	9750	Bridge	Yes	1979	1991	6	4	6	N
Henrico County	64	EBL ROUTE 0064	RTE 33	VDOT	9756	Bridge	Yes	1964	1964	5	4	5	N
Henrico County	64	WBL ROUTE 0064	RTE 33	VDOT	9758	Bridge	Yes	1964	1964	5	4	5	N
Henrico County	64	EBL ROUTE 0064	RTE 156	VDOT	9760	Bridge	Yes	1964	1964	4	4	4	N
Henrico County	64	WBL ROUTE 0064	RTE 156	VDOT	9762	Bridge	Yes	1964	1996	4	4	4	N
Henrico County	64	EBL ROUTE 0064	NORFOLK SOUTHERN RWY	VDOT	9808	Bridge	Yes	1968	1988	5	4	5	N
Henrico County	64	WBL ROUTE 0064	NORFOLK SOUTHERN RWY	VDOT	9809	Bridge	Yes	1968	1988	5	4	5	N
Henrico County	157	PEMBERTON ROAD	RTE I 64	VDOT	9875	Bridge	Yes	1967	1967	4	5	5	N
Henrico County	157	PEMBERTON ROAD	STONY RUN	VDOT	9877	Culvert	Yes	1965	1965	N	N	N	4
Powhatan County	603	Rocky Ford Road	BRANCH ROCKY FORD CREEK	VDOT	13837	Bridge	No	1954	2001	6	4	5	N
Powhatan County	614	Judes Ferry Road	JONES CREEK	VDOT	13845	Bridge	Yes	1976	1976	6	4	5	N
Powhatan County	684	CARTERSVILLE ROAD	DEEP CREEK	VDOT	13863	Bridge	Yes	1935	1935	4	4	6	N
Powhatan County	711	HUGUENOT TRAIL	NORWOOD CREEK	VDOT	13866	Bridge	Yes	1939	1939	5	4	5	N
Richmond	0	LYNHAVEN AVENUE	BROAD ROCK CREEK	City of Richmond	21357	Bridge	Yes	1949	1949	4	3	5	N
Richmond	0	LOMBARDY STREET	CSX RAILWAY	Railroad	21380	Bridge	Yes	1932	1933	3	3	3	N
Richmond	5	MAIN STREET	NS RAILWAY	Railroad	21398	Bridge	Yes	1913	1913	3	3	3	N
Richmond	0	BELLEVUE AVENUE	ROUTE I-95	VDOT	21280	Bridge	Yes	1958	1958	5	4	5	N
Richmond	0	1ST STREET	ROUTE I-95 (I-64)	VDOT	21282	Bridge	Yes	1958	2003	5	4	5	N
Richmond	0	4TH STREET	ROUTE I-95	VDOT	21284	Bridge	Yes	1969	1969	5	4	6	N
Richmond	64	RAMP TO 5TH & 95S	ROUTE I-95	VDOT	21287	Bridge	Yes	1958	1995	5	4	5	N
Richmond	0	7th Street	I-95, LOOP-J, RAMP-B	VDOT	21289	Bridge	Yes	1958	2004	7	4	5	N
Richmond	0	MEADOW STREET	ROUTE 195 EXPRESSWAY	VDOT	21306	Bridge	Yes	1976	1996	5	4	5	N
Richmond	0	COMMERCE ROAD	GOODES CREEK	City of Richmond	21360	Bridge	Yes	1940	1940	4	4	4	N
Richmond	0	5TH STREET	ROUTE 33 (LEIGH STREET)	City of Richmond	21370	Bridge	Yes	1971	1971	5	4	4	N
Richmond	0	7TH STREET	ROUTE 33 (LEIGH STREET)	City of Richmond	21374	Bridge	Yes	1971	1971	5	4	4	N
Richmond	0	EAST RICHMOND ROAD	GILLIES CREEK	City of Richmond	21378	Bridge	Yes	1932	1932	5	4	4	N
Richmond	64	WBL ROUTE 0064	RTE I 195 NBL & RAMP B	VDOT	21417	Bridge	Yes	1967	1971	5	4	5	N
Richmond	64	Interstate-64 EBL	CSX,HOSPITALST&VALLEYRD	VDOT	21425	Bridge	Yes	1967	2001	4	4	5	N
Richmond	64	WBL ROUTE 0064	CSXT,HOSPITALST&VALL	VDOT	21427	Bridge	Yes	1967	2001	4	4	5	N
Richmond	64	EBL ROUTE 0064	RTE 95,4TH & 5TH STREETS	VDOT	21435	Bridge	Yes	1969	1998	6	4	6	N
Richmond	64	WBL ROUTE 0064	ROUTE 95	VDOT	21441	Bridge	Yes	1971	1971	5	4	5	N
Richmond	95	Interstate-95	DEEPWTR TERMINAL SER. RD	VDOT	21486	Bridge	Yes	1958	1984	5	4	5	N
Richmond	95	I-95 Ramps B&D	INTERSTATE 95	VDOT	21503	Bridge	Yes	1977	1993	6	4	6	N
Richmond	147	Cary Street	RTE. 195 & CSX RAILROAD	VDOT	21519	Bridge	Yes	1975	1975	6	4	5	N

Table 9: Structurally Deficient Bridges and Culverts in the Richmond Region

Jurisdiction	Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Deck Condition Rating	Superstructure Condition Rating	Substructure Condition Rating	Culvert Conditing Rating
Richmond	195	SBL ROUTE 0195	RTE 76 , CSX RR , RAMP S	VDOT	21552	Bridge	Yes	1975	1975	5	4	5	N
Richmond	195	Route 195	HAMILTON STREET	VDOT	21554	Bridge	Yes	1975	1975	5	4	4	N
Richmond	250	BROAD STREET	ROUTE 0095	VDOT	21569	Bridge	Yes	1958	1977	4	4	4	N
Richmond	250	BROAD STREET	RAVINE (CSX ROW)	Railroad	21575	Bridge	Yes	1909	1909	5	4	5	N
Richmond	360	Mechanicsville Tnp	INTERSTATE-64 AND CD RDS	VDOT	21576	Bridge	Yes	1968	1968	4	4	4	N
Richmond	360	14TH STREET	JAMES RIVER SOUTH DIV @	City of Richmond	21583	Bridge	Yes	1913	1913	5	4	5	N
Richmond	360	14TH STREET	JAMES RIVER NORTH DIV @	City of Richmond	21584	Bridge	Yes	1913	1913	5	4	5	N
Richmond	360	HULL STREET	MANCHESTER CANAL	City of Richmond	21585	Bridge	Yes	1921	2005	4	4	5	N

Functionally Obsolete Bridges & Culverts

A functionally obsolete bridge or culvert was built to standards that are not used today. These bridges (or culverts) are not automatically rated as structurally deficient, nor are they inherently unsafe. Functionally obsolete bridges do not have adequate lane widths, shoulder widths, or vertical clearances to serve current traffic demand, or those that may be occasionally flooded.

As of January 15, 2015, 185 of the 1,412 (13%) structures in the Richmond Region are classified as functionally obsolete. Almost one third of all City of Richmond structures are classified as functionally obsolete. Similarly, 55 % of structures owned by the RMTA and 12% of structures owned by VDOT are designated functionally obsolete.

Table 10: Functionally Obsolete Bridges & Culverts by Jurisdiction

Jurisdiction	Total Bridges & Culverts	F.O. Bridges & Culverts	Percentage classified as F.O.
Town of Ashland	6	2	33.3%
Charles City County	29	2	6.9%
Chesterfield County	350	37	10.6%
Goochland County	128	16	12.5%
Hanover County	204	31	15.2%
Henrico County	360	26	7.2%
New Kent County	97	5	5.2%
Powhatan County	47	9	19.1%
City of Richmond	191	57	29.8%
Richmond Region	**1,412**	**185**	**13.1%**

Table 11: Functionally Obsolete Bridges & Culverts by Ownership

Ownership	# of Bridges & Culverts	F.O. Bridges & Culverts	Percentage classified as F.O.
Town of Ashland	1	0	0.0%
City of Richmond	79	15	19.0%
Chesterfield County	1	0	0.0%
Henrico County	65	6	9.2%
RMTA	33	18	54.5%
Transurban	34	3	8.8%
Railroad (CSX & NS)	4	1	25.0%
VDOT	1,195	142	11.9%
Total	**1,412**	**185**	**13.1%**

Map 5 shows the location of functionally obsolete structures in the Richmond Region. A complete list of these structures follows Map 5.

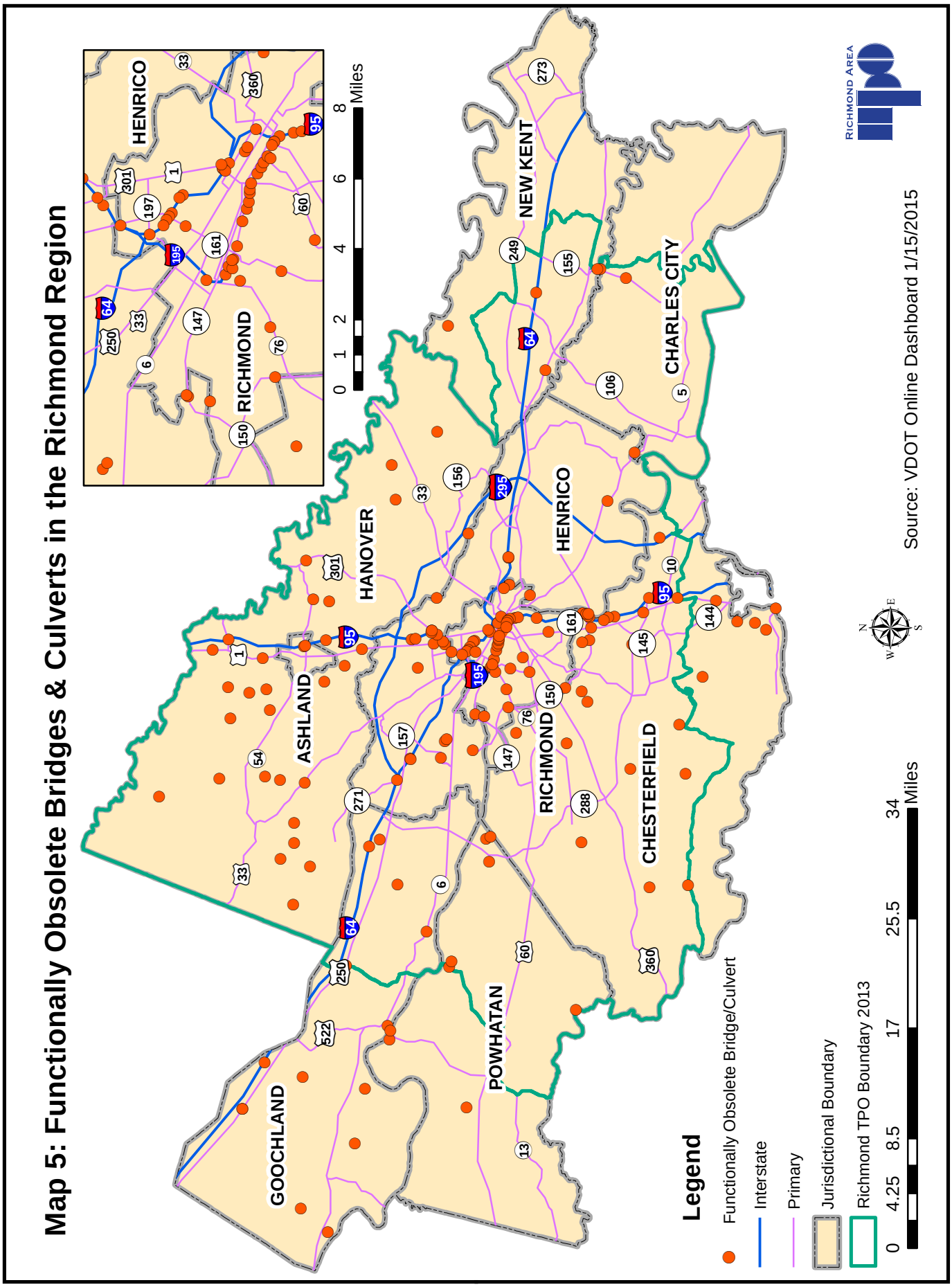

Map 5: Functionally Obsolete Bridges & Culverts in the Richmond Region
HENRICO
RICHMOND
0 1 2 4 6 8 Miles
GOOCHLAND
ASHLAND
HANOVER
POWHATAN
RICHMOND
HENRICO
NEW KENT
CHESTERFIELD
CHARLES CITY
Legend
Functionally Obsolete Bridge/Culvert
Interstate
Primary
Jurisdictional Boundary
Richmond TPO Boundary 2013
0 4.25 8.5 17 25.5 34 Miles
Source: VDOT Online Dashboard 1/15/2015
Richmond Area MPO

Table 12: Functionally Obsolete Bridges and Culverts in the Richmond Region

Jurisdiction	Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed
Charles City County	5	JOHN TYLER MEM HWY	TURKEY ISLAND CREEK	VDOT	4802	Bridge	Yes	1951	1951
Charles City County	155	COURTHOUSE ROAD	COLLINS RUN	VDOT	4807	Bridge	No	1931	1986
Chesterfield County	295	RAMP D MEADOWVILLE	BRANCH /JOHNSON CREEK	VDOT	30200	Culvert	Yes	2012	2012
Ashland	54	Patrick Henry EBL	INTERSTATE 95	VDOT	9388	Bridge	Yes	1961	1991
Ashland	54	WBL PATRICK HENRY	INTERSTATE 95	VDOT	9390	Bridge	Yes	1961	2003
Chesterfield County	5583	WATERMILL PARKWAY	TOMAHAWK CREEK	VDOT	28314	Bridge	Yes	2003	2003
Chesterfield County	895	RAMP H OF 895 WBL	RMP A 150 & DUPONT_CHANL	Transurban	27296	Bridge	Yes	2002	2002
Chesterfield County	1	NBL JEFF DAVIS HWY	FALLING CREEK	VDOT	24940	Bridge	Yes	1997	1997
Chesterfield County	637	Hopkins Road	PROCTORS CREEK	VDOT	24810	Bridge	Yes	1997	1997
Chesterfield County	1	Jefferson Davis Hy	PROCTORS CREEK	VDOT	4988	Bridge	Yes	1923	2000
Chesterfield County	36	Chesterfield Ave.	APPOMATTOX RIVER	VDOT	5011	Bridge	Yes	1961	1961
Chesterfield County	95	Interstate-95	RTE 656 (BELLWOOD RD.)	VDOT	5066	Bridge	Yes	1958	1998
Chesterfield County	95	Interstate-95	TEXACO RD & DUPONT CHAN	VDOT	5079	Bridge	Yes	1958	1996
Chesterfield County	150	Chippenham Pkwy WB	CSX TRANS & STRATHMOR RD	VDOT	5105	Bridge	Yes	1965	2002
Chesterfield County	604	Genito Road	PEDESTRIAN WALKWAY	VDOT	5240	Culvert	No	1981	2013
Chesterfield County	604	Genito Road	ROUTE 288	VDOT	5241	Bridge	Yes	1988	2004
Chesterfield County	615	Coxendale Road	INTERSTATE-95	VDOT	5245	Bridge	Yes	1977	1977
Chesterfield County	618	Route 618	INTERSTATE -95	VDOT	5250	Bridge	Yes	1977	2007
Chesterfield County	625	Branders Bridge Rd	SWIFT CREEK	VDOT	5259	Bridge	Yes	1966	2005
Chesterfield County	628	Hickory Road	OLD TOWN CREEK	VDOT	5266	Bridge	No	1948	1964
Chesterfield County	636	Nash Road	FIRST BRANCH	VDOT	5270	Bridge	Yes	1988	1988
Chesterfield County	651	Belmont Road	FALLING CREEK	VDOT	5290	Bridge	Yes	1980	1980
Chesterfield County	654	Bundle Road	SECOND BRANCH	VDOT	5305	Bridge	Yes	1974	2007
Chesterfield County	655	Beach Road	WINTERPOCK CREEK	VDOT	5310	Bridge	No	1947	1947
Chesterfield County	678	West Providence Rd	BEAVER POND CREEK	VDOT	5327	Bridge	Yes	1947	2007
Chesterfield County	1	Jeff Davis Highway	TINSBERRY CREEK	VDOT	4995	Bridge	Yes	1928	1928
Chesterfield County	95	Interstate-95	OLD TEXACO ROAD	VDOT	5075	Bridge	Yes	1958	1996
Chesterfield County	95	Interstate-95	SHELL ROAD	VDOT	5083	Bridge	No	1958	1984

Table 12: Functionally Obsolete Bridges and Culverts in the Richmond Region

Jurisdiction	Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed
Chesterfield County	150	Route 150 EBL	INTERSTATE 95 & RAMP B	VDOT	5088	Bridge	Yes	1978	1991
Chesterfield County	95	I-95 NBL Ramp-B	INTERSTATE 95	VDOT	5094	Bridge	Yes	1978	1993
Chesterfield County	144	Chester Road	HAMBLIN CREEK	VDOT	5100	Bridge	Yes	1949	1949
Chesterfield County	150	WBL ROUTE 0150	NS RAILWAY	VDOT	5140	Bridge	Yes	1968	1968
Chesterfield County	602	River Road	WINTERPOCK CREEK	VDOT	5231	Bridge	Yes	1960	1960
Chesterfield County	627	Woodpecker Road	OLD TOWN CREEK	VDOT	5263	Bridge	Yes	1950	1964
Chesterfield County	631	Bradley Bridge Rd.	SWIFT CREEK	VDOT	5268	Bridge	Yes	1964	1964
Chesterfield County	638	Cogbill Road	FALLING CREEK	VDOT	5277	Bridge	Yes	1938	1982
Chesterfield County	643	Turner Road	FALLING CREEK	VDOT	5282	Bridge	Yes	1960	1960
Chesterfield County	653	Qualla Rd.	SWIFT CREEK	VDOT	5302	Bridge	Yes	1960	2013
Chesterfield County	678	Buford Road	SOUTHERN RAILWAY	VDOT	5330	Bridge	Yes	1983	1983
Chesterfield County	780	Lush Forest Trail	FIRST BRANCH	VDOT	5346	Bridge	No	1950	2007
Chesterfield County	1612	ELLIHAM AVENUE	CSX RAILWAY	VDOT	5351	Bridge	Yes	1965	1965
Goochland County	6	River Road	GENITO CREEK	VDOT	8556	Bridge	Yes	1929	2000
Goochland County	250	Broad Street Road	BR BIG LICKINGHOLE CREEK	VDOT	8599	Bridge	No	1930	1930
Goochland County	600	Rock Castle Rd.	BIG LICKINGHOLE CREEK	VDOT	8603	Bridge	Yes	1954	1954
Goochland County	603	Elk Island Road	NORTH BRANCH JAMES RIVER	VDOT	8605	Bridge	Yes	1973	2011
Goochland County	619	Newline Road	INTERSTATE-64	VDOT	8630	Bridge	Yes	1969	1969
Goochland County	644	Miller's Lane	DOVER CREEK	VDOT	8663	Bridge	No	1950	2008
Goochland County	667	Old Columbia Road	LITTLE BYRD CREEK	VDOT	8670	Bridge	Yes	1950	1950
Goochland County	673	Whitehall Road	WHITEHALL CREEK	VDOT	8673	Bridge	No	1950	2012
Goochland County	708	Saint Matthews Ln.	BRANCH OF TUCKAHOE CK	VDOT	8680	Bridge	Yes	1988	1988
Goochland County	6	River Road West	BRANCH OF JAMES RIVER	VDOT	8568	Bridge	No	1930	1971
Goochland County	250	West Broad Street	BEAVERDAM CREEK	VDOT	8591	Bridge	Yes	1932	1932
Goochland County	250	Broad Street	BR BIG LICKINGHOLE CREEK	VDOT	8600	Bridge	No	1930	1930
Goochland County	250	Route 250	STREAM	VDOT	8601	Culvert	No	1945	2013
Goochland County	522	Maiden Road	CSX TRANSPORTATION	VDOT	8602	Bridge	Yes	1972	1972
Goochland County	616	Haskins Road	LITTLE LICKINGHOLE CREEK	VDOT	8625	Bridge	Yes	1955	1955

Table 12: Functionally Obsolete Bridges and Culverts in the Richmond Region

Jurisdiction	Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed
Goochland County	622	Rockville Road	INTERSTATE 64	VDOT	8635	Bridge	Yes	1967	1967
Hanover County	798	GODDINS HILL ROAD	MECHUMPS CREEK	VDOT	28069	Bridge	Yes	2005	2005
Hanover County	615	WILLIAMSVILLE ROAD	TOTOPOTOMOY CREEK	VDOT	26959	Bridge	Yes	2001	2001
Hanover County	691	CANTERBURY ROAD	TAYLORS CREEK	VDOT	25558	Bridge	Yes	1998	1998
Hanover County	667	BLUNTS BRIDGE ROAD	SOUTH ANNA RIVER	VDOT	24023	Bridge	Yes	1994	1994
Hanover County	1	WASHINGTON HIGHWAY	CSX TRANSPORTATION	VDOT	9359	Bridge	Yes	1926	2000
Hanover County	606	STUDLEY ROAD	TOTOPOTOMOY CREEK	VDOT	9476	Bridge	Yes	1952	1952
Hanover County	610	BETHANY CHURCH RD	TAYLORS CREEK	VDOT	9484	Bridge	Yes	1957	2013
Hanover County	615	CREIGHTON ROAD	CHICKAHOMINY RIVER	VDOT	9491	Bridge	Yes	1956	2012
Hanover County	626	ELMONT ROAD	STONY RUN CREEK	VDOT	9501	Bridge	Yes	1975	1975
Hanover County	628	MCCLELLAN ROAD	PARSLEYS CREEK	VDOT	9506	Bridge	No	1930	2006
Hanover County	667	BLUNTS BRIDGE ROAD	NEW FOUND RIVER	VDOT	9547	Bridge	Yes	1941	2003
Hanover County	671	SCOTCHTOWN ROAD	CEDAR CREEK	VDOT	9552	Bridge	Yes	1961	1991
Hanover County	671	SCOTCHTOWN ROAD	WALKERS CREEK	VDOT	9554	Bridge	Yes	1988	1988
Hanover County	688	DOSWELL ROAD	LITTLE RIVER	VDOT	9567	Bridge	Yes	1936	1986
Hanover County	1	WASHINGTON HIGHWAY	LITTLE RIVER	VDOT	9360	Bridge	Yes	1925	1992
Hanover County	1	WASHINGTON HIGHWAY	SOUTH ANNA RIVER	VDOT	9361	Bridge	Yes	1925	1937
Hanover County	1	WASHINGTON HIGHWAY	STONEY RUN	VDOT	9364	Bridge	Yes	1923	2006
Hanover County	30	WBL KINGS DOMINION	RTE I 95	VDOT	9371	Bridge	Yes	1963	1983
Hanover County	33	MOUNTAIN ROAD	SOUTH ANNA RIVER	VDOT	9379	Bridge	Yes	1970	1970
Hanover County	301	HANOVER COURTHOUSE	MECHUMPS CREEK	VDOT	9450	Bridge	Yes	1932	1955
Hanover County	617	SPRING ROAD	SOUTH ANNA RIVER	VDOT	9492	Bridge	Yes	1959	2012
Hanover County	627	MEADOWBRIDGE ROAD	CHICKAHOMINY RIVER	VDOT	9505	Bridge	Yes	1955	1955
Hanover County	656	MOUNT HERMON ROAD	CAMPBELLS CREEK	VDOT	9529	Bridge	Yes	1971	1971
Hanover County	657	ASHCAKE ROAD	RTE I 95	VDOT	9536	Bridge	Yes	1961	1989
Hanover County	671	COATESVILLE ROAD	NEW FOUND RIVER	VDOT	9551	Bridge	Yes	1940	2007
Hanover County	673	WALTONS TAVERN RD	TAYLORS CREEK	VDOT	9555	Bridge	Yes	1941	1941
Hanover County	676	VONTAY ROAD	MILL CREEK	VDOT	9560	Bridge	Yes	1940	1990

Table 12: Functionally Obsolete Bridges and Culverts in the Richmond Region

Jurisdiction	Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed
Hanover County	685	ROCKETTS MILL ROAD	NEW FOUND RIVER	VDOT	9564	Bridge	Yes	1961	1986
Hanover County	686	HORSESHOE BRIDGE	SOUTH ANNA RIVER	VDOT	9565	Bridge	Yes	1917	1976
Hanover County	738	TEMAN ROAD	BEAVERDAM CREEK	VDOT	9587	Bridge	Yes	1914	2008
Hanover County	801	COBBS ROAD	STONY RUN	VDOT	9595	Bridge	Yes	1941	1992
Henrico County	895	POCAHONTAS PKY EBL	JAMES RIVER & I-95 & RMP	Transurban	27293	Bridge	Yes	2002	2002
Henrico County	895	POCAHONTAS PKY WBL	JAMES RIVER & I-95 & RMP	Transurban	27294	Bridge	Yes	2002	2002
Henrico County	64	FLYOVER TO 295 EBL	RTES I-64 AND I-295 WBL	VDOT	26672	Bridge	Yes	2009	2009
New Kent County	155	S. COURTHOUSE ROAD	CHICKAHOMINY RIVER CANAL	VDOT	28065	Bridge	Yes	2005	2005
New Kent County	60	EBL POCAHONTAS TR	CRUMPS SWAMP	VDOT	12651	Bridge	No	1924	1924
New Kent County	155	S. COURTHOUSE ROAD	CHICKAHOMINY RV@-PROV-FG	VDOT	12707	Bridge	Yes	1931	1973
Powhatan County	714	Winterfield Road	ROBERTS BRANCH	VDOT	29185	Bridge	No	2007	2007
Powhatan County	684	Bell Road	STEGERS CREEK	VDOT	13862	Bridge	No	1938	1938
Powhatan County	313	Beaumont Road	GRIGG LAKE	VDOT	13833	Bridge	Yes	1945	1945
Powhatan County	522	ROUTE 0522	JAMES RIVER @	VDOT	13834	Bridge	Yes	1972	1972
Henrico County	7555	SBL LABURNUM AVE	ROUTE 0064	VDOT	9624	Bridge	Yes	1964	1997
Henrico County	0	RIVER ROAD	ROUTE 150	Henrico County	9636	Bridge	Yes	1990	1990
Henrico County	0	NEW OSBORNE TURNPK	ALMOND CREEK	Henrico County	9646	Culvert	Yes	1901	1970
Henrico County	0	WOODMAN ROAD	STREAM	Henrico County	9658	Culvert	Yes	1955	1955
Henrico County	1	SBL BROOK ROAD	UPHAM BROOK	VDOT	9715	Bridge	Yes	1939	1985
Henrico County	1	BROOK ROAD	ROUTE 0095	VDOT	9718	Bridge	Yes	1958	2005
Henrico County	95	SBL ROUTE 0095	UPHAM BROOK	VDOT	9836	Bridge	Yes	1962	2014
Henrico County	157	PEMBERTON ROAD	UNNAMED TR DP RUN CK	VDOT	9872	Bridge	Yes	1962	1976
Henrico County	301	NBL CHAMBERLAYNE	UPHAM BROOK	VDOT	10012	Bridge	Yes	1962	2012
Henrico County		ACCESS ROAD	UPHAM BROOK	Henrico County	9603	Bridge	Yes	1962	1962
Henrico County	42	COX ROAD	WBL ROUTE 0064	VDOT	9616	Bridge	Yes	1967	1967
Henrico County	42	COX ROAD	EBL ROUTE 0064	VDOT	9618	Bridge	Yes	1967	1990
Henrico County	7555	NBL LABURNUM AVE	ROUTE 0064	VDOT	9626	Bridge	Yes	1964	1997
Henrico County	0	SCOTT ROAD	ROUTE I 95	VDOT	9630	Bridge	Yes	1962	2003

Table 12: Functionally Obsolete Bridges and Culverts in the Richmond Region

Jurisdiction	Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed
Henrico County	7552	DUMBARTON ROAD	ROUTE 0095	VDOT	9668	Bridge	Yes	1958	1996
Henrico County	0	QUIOCCASIN ROAD	SHOPPING CENTER ROAD	Henrico County	9674	Bridge	Yes	1975	1975
Henrico County	0	PARHAM ROAD	SHOPPING CENTER ROAD	Henrico County	9676	Bridge	Yes	1975	1975
Henrico County	5	NEW MARKET ROAD	BAILEYS CK @ CURLES-NECK	VDOT	9722	Bridge	Yes	1942	1974
Henrico County	73	WBL PARHAM ROAD	ROUTE I-95	VDOT	9828	Bridge	Yes	1978	1992
Henrico County	73	EBL PARHAM ROAD	ROUTE I-95	VDOT	9830	Bridge	Yes	1962	1991
Henrico County	147	HUGUENOT ROAD	LITTLE WESTHAM CREEK	VDOT	9854	Bridge	Yes	1949	1985
Henrico County	301	SBL CHAMBERLAYNE	RTE I 95	VDOT	10008	Bridge	Yes	1962	1992
Henrico County	301	SBL CHAMBERLAYNE	RTE I 95 & UPHAM BROOK	VDOT	10010	Bridge	Yes	1962	1992
New Kent County	607	STEEL TRAP ROAD	WATERLOO CK/DICKERSON SW	VDOT	28299	Bridge	Yes	2005	2005
New Kent County	64	WBL ROUTE 0064	SCHIMINOE CREEK	VDOT	12687	Culvert	No	1972	1972
Powhatan County	604	GENITO ROAD	APPOMATTOX RIVER	VDOT	13841	Bridge	Yes	1954	1954
Powhatan County	607	Huguenot Springs R	BERNARDS CREEK	VDOT	13844	Bridge	Yes	1945	1996
Powhatan County	711	HUGUENOT TRAIL	BERNARD CREEK	VDOT	13865	Bridge	Yes	1940	1940
Powhatan County	711	HUGUENOT TRAIL	FINE CREEK	VDOT	13867	Bridge	Yes	1940	1940
Powhatan County	711	Huguenot Trail	BRANCH OF FINE CREEK	VDOT	13868	Bridge	No	1940	1940
Richmond	0	HAXALL POINT	HAXALL CANAL	City of Richmond	29092	Bridge	Yes	2005	2005
Richmond	0	CHAMBERLAYNE PKWAY	CSX RAILWAY	City of Richmond	23356	Bridge	Yes	1992	1992
Richmond	0	WALMSLEY BOULEVARD	POCOSHAM CREEK	City of Richmond	21273	Bridge	Yes	1968	1968
Richmond	0	Chamberlayne Pkwy	INTERSTATE-95 & I-64	VDOT	21293	Bridge	Yes	1958	2004
Richmond	0	FOREST HILL AVENUE	ROUTE 76 & POWHITE CREEK	RMTA	21295	Bridge	Yes	1972	1972
Richmond	0	Sheppard street	195 EXPESS & 146	VDOT	21302	Bridge	Yes	1976	1976
Richmond	0	S. Robinson Street	I-195 (DOWNTOWN EXPWAY)	VDOT	21304	Bridge	Yes	1976	1976
Richmond	0	ROUTE 0000	I-195	VDOT	21308	Bridge	Yes	1975	1991
Richmond	0	MAPLEWOOD AVENUE	ROUTE 146	RMTA	21323	Bridge	Yes	1975	1975
Richmond	0	DOUGLASDALE ROAD	ROUTE 146	RMTA	21327	Bridge	Yes	1975	1975
Richmond	0	ALLEN AVENUE	ROUTE 195 EXPRESSWAY	RMTA	21329	Bridge	Yes	1975	1975
Richmond	0	HARRISON STREET	ROUTE 195 EXPRESSWAY	RMTA	21333	Bridge	Yes	1975	1975

Table 12: Functionally Obsolete Bridges and Culverts in the Richmond Region

Jurisdiction	Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed
Richmond	0	CHERRY STREET	ROUTE 195 EXPRESSWAY	RMTA	21335	Bridge	Yes	1975	1975
Richmond	0	LAUREL STREET	ROUTE 195 EXPRESSWAY	RMTA	21337	Bridge	Yes	1975	1975
Richmond	0	5TH STREET	CLAY STREET	City of Richmond	21368	Bridge	Yes	1971	1971
Richmond	0	7TH STREET	CLAY STREET	City of Richmond	21372	Bridge	Yes	1971	1971
Richmond	1	Belvidere Street	INTERSTATE-95	VDOT	21392	Bridge	Yes	1958	2007
Richmond	1	BELVIDERE STREET	ROUTE 195 EXPRESSWAY	RMTA	21394	Bridge	Yes	1975	1975
Richmond	60	FOREST HILL AVENUE	REEDY CREEK	City of Richmond	21415	Bridge	Yes	1977	1977
Richmond	95	ROUTE 0095 (0064)	SHERWOOD AVENUE	VDOT	21447	Bridge	Yes	1958	2013
Richmond	95	ROUTE 0095 (0064)	ROBINHOOD ROAD	VDOT	21449	Bridge	Yes	1958	2013
Richmond	95	ROUTE 0095 (0064)	HERMITAGE ROAD	VDOT	21451	Bridge	Yes	1958	2013
Richmond	95	Interstate-95/I-64	ROUTE 161 (BOULEVARD)	VDOT	21453	Bridge	Yes	1958	2012
Richmond	95	ROUTE 0095 (0064)	RTE 95 RAMP A TO RTE 161	VDOT	21455	Bridge	Yes	1958	2012
Richmond	95	Interstate 95	WESTWOOD AVENUE	VDOT	21457	Bridge	Yes	1958	2012
Richmond	95	Interstate-95	ESSO ROAD	VDOT	21476	Bridge	No	1958	1997
Richmond	95	ROUTE 0095	GRAVEL ROAD	VDOT	21488	Bridge	No	1958	1977
Richmond	95	ROUTE 0095	ROUTE 0095 RAMPS E & F	VDOT	21496	Bridge	Yes	1958	2002
Richmond	95	Interstate 95	RTE. 197 (LABURNUM AVE.)	VDOT	21498	Bridge	Yes	1958	2013
Richmond	95	I-95 Ramps A&C	INTERSTATE 95	VDOT	21501	Bridge	Yes	1977	1991
Richmond	195	DOWNTN EXP RAMP WN	RTE 360,STREETS, CSX RWY	RMTA	21534	Bridge	Yes	1975	1975
Richmond	0	OAKWOOD CEMETERY RO	UNNAMED TRIB	City of Richmond	29945	Bridge	Yes	1920	1920
Richmond	0	RIVERSIDE DRIVE	RATTLESNAKE CREEK	City of Richmond	21274	Bridge	No	1950	1998
Richmond	0	RIVER ROAD	LITTLE WESTHAM CREEK	City of Richmond	21299	Bridge	Yes	1960	1985
Richmond	0	Grove Ave.	ROUTE 195 & CSX RR	VDOT	21310	Bridge	Yes	1975	1975
Richmond	0	ROUTE 0000	I-195	VDOT	21312	Bridge	Yes	1975	1975
Richmond	0	Idlewood Ave.	I-195 & RAMP W	VDOT	21314	Bridge	Yes	1975	1993
Richmond	0	RANDOLPH STREET	ROUTE 195 EXPRESSWAY	RMTA	21331	Bridge	Yes	1975	1975
Richmond	0	2ND STREET	ROUTE 195 EXPRESSWAY	RMTA	21341	Bridge	Yes	1975	1975
Richmond	0	5TH STREET	ROUTE 195 EXPRESSWAY	RMTA	21347	Bridge	Yes	1975	1975

Table 12: Functionally Obsolete Bridges and Culverts in the Richmond Region

Jurisdiction	Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed
Richmond	0	7TH STREET	ROUTE 195 EXPRESSWAY	RMTA	21349	Bridge	Yes	1975	1975
Richmond	0	10TH STREET	ROUTE 195 EXPRESSWAY	RMTA	21351	Bridge	Yes	1975	1975
Richmond	0	COLUMBIA STREET	BROAD ROCK CREEK	City of Richmond	21359	Bridge	Yes	1947	1947
Richmond	0	EAST RICHMOND ROAD	STONEY RUN	City of Richmond	21379	Bridge	Yes	1932	1932
Richmond	1	SBL BELVIDERE ST	BROOK ROAD & CSX RAILWAY	City of Richmond	21386	Bridge	Yes	1958	1958
Richmond	1	NBL BELVIDERE ST	BROOK ROAD & CSX RAILWAY	City of Richmond	21388	Bridge	Yes	1958	1958
Richmond	60	MIDLOTHIAN TURNPIK	ROUTE 161 BELT BOULEVARD	City of Richmond	21407	Bridge	Yes	1953	1961
Richmond	60	MIDLOTHIAN TURNPIK	CSX RAILWAY	City of Richmond	21409	Bridge	Yes	1954	1954
Richmond	95	ROUTE 0095	DUPONT WATERLINE ROAD	VDOT	21480	Bridge	Yes	1958	2003
Richmond	95	ROUTE 0095	JAMES RV,RTE 360(60)&CSX	VDOT	21494	Bridge	Yes	1958	2011
Richmond	95	DOWNTN EXP RAMP SW	JAMES RV,STREETS,CSX RWY	RMTA	21508	Bridge	Yes	1976	1976
Richmond	146	SBL ROUTE 0146	SBL ROUTE 0195 EXPRESSWY	VDOT	21513	Bridge	Yes	1976	1976
Richmond	161	Rte 161(Hermitage)	INTERSTATE-95	VDOT	21526	Bridge	Yes	1958	2002
Richmond	161	WESTOVER HILLS BLV	JAMES RV,NS RWY,CSX RWY	RMTA	21528	Bridge	Yes	1924	1993
Richmond	161	NORTH BOULEVARD	CSX RAILWAY	Railroad	21531	Bridge	Yes	1943	1986
Richmond	195	DOWNTN EXP RAMP WS	JAMES RV,RMP SW,17TH,CSX	RMTA	21536	Bridge	Yes	1976	1994
Richmond	195	SBL DOWNTOWN EXPWY	RTE 195 NBL & 12TH ST	RMTA	21544	Bridge	Yes	1975	1994

Deficient Structures

According to the Federal Highway Administration (FHWA) a structure is deemed "deficient" if the structure is rated either 'structurally deficient' or 'functionally obsolete'. If a structure is both structurally deficient and functionally obsolete it is designated simply as structurally deficient.

The Richmond Region has 110 structurally deficient structures and 185 functionally obsolete structures making a total of 295 deficient structures. This is almost 21% of all structures in the Richmond Region (1,412 structures in total). The breakdown of deficient structures by jurisdiction and by ownership is provided in Tables 13 and 14 below.

Table 13: Deficient Bridges & Culverts by Jurisdiction

Jurisdiction	Total Bridges & Culverts	Deficient Bridges & Culverts	Percentage classified as Deficient
Town of Ashland	6	2	33.3%
Charles City County	29	4	13.8%
Chesterfield County	350	55	15.7%
Goochland County	128	24	18.8%
Hanover County	204	50	24.5%
Henrico County	360	43	11.9%
New Kent County	97	17	17.5%
Powhatan County	47	14	29.8%
City of Richmond	191	86	45.0%
Richmond Region	**1,412**	**295**	**20.9%**

Table 14: Deficient Bridges & Culverts by Ownership

Ownership	Total Bridges & Culverts	Deficient Bridges & Culverts	Percentage classified as Deficient
Town of Ashland	1	0	0.0%
City of Richmond	79	23	29.1%
Chesterfield County	1	0	0.0%
Henrico County	65	10	15.4%
RMTA	33	18	54.5%
Transurban	34	3	8.8%
Railroad (CSX & NS)	4	4	100.0%
VDOT	1,195	237	19.8%
Total	**1,412**	**295**	**20.9%**

Weight Posted Structures

A weight-posted structure is one that has a rated load carrying capacity less than the Virginia designated legal loads.

A total of 50 bridges and culverts in the Richmond Region are weight-posted structures. The table below shows the distribution of weight posted bridge by Jurisdiction. Hanover County has the most weight posted structure in the region followed by Chesterfield County and the City of Richmond.

Table 15: Weight Posted Bridges & Culverts

Jurisdiction	Weight-Posted Bridges & Culverts
Ashland	0
Charles City County	3
Chesterfield County	9
Goochland County	8
Hanover County	13
Henrico County	1
New Kent County	1
Powhatan County	6
Richmond	9
Richmond Region	**50**

Map 6 shows the location weight posted structures in the Richmond Region. A complete list of these structures follows Map 6.

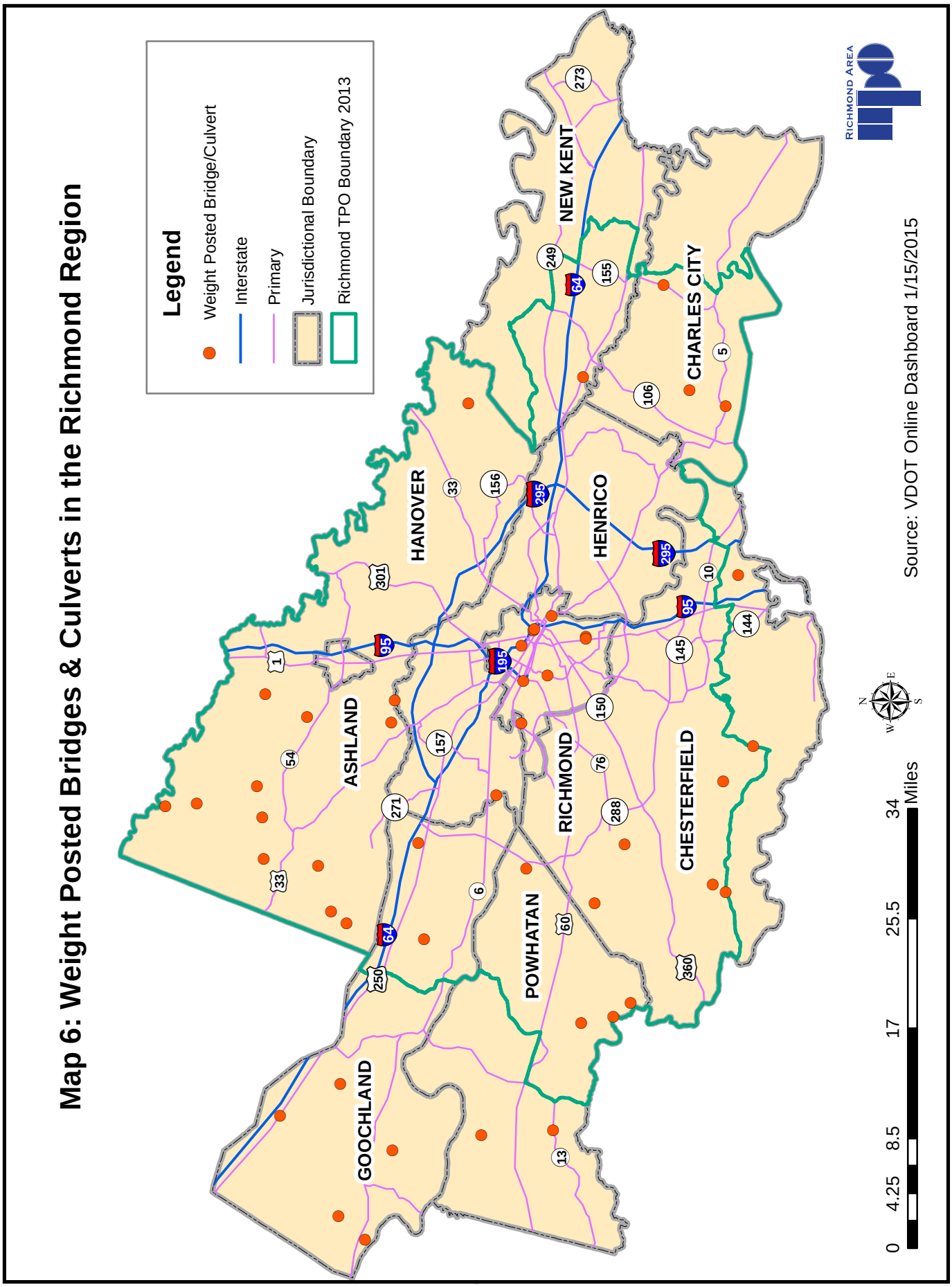

Map 6: Weight Posted Bridges & Culverts in the Richmond Region
Legend
Weight Posted Bridge/Culvert
Interstate
Primary
Jurisdictional Boundary
Richmond TPO Boundary 2013
NEW KENT
CHARLES CITY
HANOVER
HENRICO
ASHLAND
RICHMOND
CHESTERFIELD
POWHATAN
GOOCHLAND
Source: VDOT Online Dashboard 1/15/2015
0 4.25 8.5 17 25.5 34 Miles
RICHMOND AREA

Table 16: Weight Posted Structures in the Richmond Region

Jurisdiction	Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))
Charles City County	155	COURTHOUSE ROAD	COLLINS RUN	VDOT	4807	Bridge	No	1931	1986	54	FO
Charles City County	5	JOHN TYLER MEM HWY	HERRING CREEK	VDOT	4796	Bridge	Yes	1953	1989	42	SD
Charles City County	607	STEEL TRAP ROAD	WEST RUN	VDOT	4809	Bridge	Yes	1959	1988	59	
Chesterfield County	654	Bundle Road	SECOND BRANCH	VDOT	5305	Bridge	Yes	1974	2007	32	FO
Chesterfield County	602	River Road	WINTERPOCK CREEK	VDOT	5231	Bridge	Yes	1960	1960	23	FO
Chesterfield County	603	Winterpock Road	WINTERPOCK CREEK	VDOT	5232	Bridge	Yes	1945	2006	21	SD
Chesterfield County	604	Genito Road	TOMAHAWK CREEK	VDOT	5238	Bridge	Yes	1939	1939	7	SD
Chesterfield County	606	Mt. Hermon Road	SWIFT CREEK	VDOT	5243	Bridge	Yes	1972	1972	26	SD
Chesterfield County	636	Nash Road	RITA BRANCH	VDOT	5271	Bridge	No	1951	1951	49	SD
Chesterfield County	654	Spring Run Road	THIRD BRANCH	VDOT	5306	Bridge	No	1940	2001	11	SD
Chesterfield County	746	Ruffins Mill Road	ASHTON CREEK	VDOT	5342	Bridge	No	1950	1996	6	SD
Chesterfield County	780	Lush Forest Trail	FIRST BRANCH	VDOT	5346	Bridge	No	1950	2007	42	FO
Goochland County	250	Broad Street Road	BR BIG LICKINGHOLE CREEK	VDOT	8599	Bridge	No	1930	1930	52	FO
Goochland County	603	Elk Island Road	NORTH BRANCH JAMES RIVER	VDOT	8605	Bridge	Yes	1973	2011	26	FO
Goochland County	667	Old Columbia Road	LITTLE BYRD CREEK	VDOT	8670	Bridge	Yes	1950	1950	78	FO
Goochland County	673	Whitehall Road	WHITEHALL CREEK	VDOT	8673	Bridge	No	1950	2012	62	FO
Goochland County	623	Ashland Road	TUCKAHOE CREEK	VDOT	8643	Culvert	Yes	1966	1966	50	SD
Goochland County	641	Genito Road	GENITO CREEK	VDOT	8662	Culvert	No	1969	1969	40	SD
Goochland County	616	Haskins Road	LITTLE LICKINGHOLE CREEK	VDOT	8625	Bridge	Yes	1955	1955	26	FO
Goochland County	650	River Road	TUCKAHOE CREEK	VDOT	8666	Bridge	Yes	1950	1987	27	SD
Hanover County	610	BETHANY CHURCH RD	TAYLORS CREEK	VDOT	9484	Bridge	Yes	1957	2013	45	FO
Hanover County	688	DOSWELL ROAD	LITTLE RIVER	VDOT	9567	Bridge	Yes	1936	1986	49	FO
Hanover County	625	GREENWOOD ROAD	CHICKAHOMINY RIVER	VDOT	9500	Bridge	Yes	1937	1975	6	SD
Hanover County	660	WINNS CHURCH ROAD	GRASSY SWAMP CREEK	VDOT	9540	Culvert	No	1970	1970	52	SD
Hanover County	611	Vontay Road	TURKEY CREEK	VDOT	9487	Bridge	No	1960	1986	23	SD
Hanover County	617	SPRING ROAD	SOUTH ANNA RIVER	VDOT	9492	Bridge	Yes	1959	2012	43	FO
Hanover County	658	GOSHEN ROAD	NEW FOUND RIVER	VDOT	9539	Bridge	Yes	1978	1978	16	SD
Hanover County	671	COATESVILLE ROAD	NEW FOUND RIVER	VDOT	9551	Bridge	Yes	1940	2007	49	FO
Hanover County	686	HORSESHOE BRIDGE	SOUTH ANNA RIVER	VDOT	9565	Bridge	Yes	1917	1976	33	FO
Hanover County	693	FLANNIGAN MILL RD	MATADEGUIN CREEK	VDOT	9571	Bridge	Yes	1968	1984	65	
Hanover County	715	Beaver Dam Road	NEW FOUND RIVER	VDOT	9578	Bridge	Yes	1959	1959	50	SD

Table 16: Weight Posted Structures in the Richmond Region

Jurisdiction	Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))
Hanover County	738	TEMAN ROAD	BEAVERDAM CREEK	VDOT	9587	Bridge	Yes	1914	2008	51	FO
Hanover County	738	TEMAN ROAD	PUG SWAMP CREEK	VDOT	9589	Bridge	Yes	1913	1978	20	SD
New Kent County	60	EBL POCAHONTAS TR	CRUMPS SWAMP	VDOT	12651	Bridge	No	1924	1924	52	FO
Powhatan County	13	Old Buckingham Rd.	SALLEE CREEK	VDOT	13826	Bridge	Yes	1920	1945	21	SD
Powhatan County	603	Rocky Ford Road	ROCKY FORD CREEK	VDOT	13835	Bridge	Yes	1950	1978	53	
Henrico County	156	WILLIS CHURCH ROAD	CREWES CHANNEL	VDOT	9863	Culvert	No	1984	1984	55	SD
Powhatan County	603	Petersburg Road	BUTTERWOOD CREEK	VDOT	13836	Bridge	Yes	1955	1975	46	
Powhatan County	604	GENITO ROAD	APPOMATTOX RIVER	VDOT	13841	Bridge	Yes	1954	1954	36	FO
Powhatan County	607	Huguenot Springs R	BERNARDS CREEK	VDOT	13844	Bridge	Yes	1945	1996	58	FO
Powhatan County	684	CARTERSVILLE ROAD	DEEP CREEK	VDOT	13863	Bridge	Yes	1935	1935	38	SD
Richmond	0	LYNHAVEN AVENUE	BROAD ROCK CREEK	City of Richmond	21357	Bridge	Yes	1949	1949	13	SD
Richmond	0	LOMBARDY STREET	CSX RAILWAY	Railroad	21380	Bridge	Yes	1932	1933	36	SD
Richmond	5	MAIN STREET	NS RAILWAY	Railroad	21398	Bridge	Yes	1913	1913	28	SD
Richmond	0	RIVERSIDE DRIVE	RATTLESNAKE CREEK	City of Richmond	21274	Bridge	No	1950	1998	64	FO
Richmond	0	COLUMBIA STREET	BROAD ROCK CREEK	City of Richmond	21359	Bridge	Yes	1947	1947	50	FO
Richmond	0	5TH STREET	ROUTE 33 (LEIGH STREET)	City of Richmond	21370	Bridge	Yes	1971	1971	6	SD
Richmond	0	7TH STREET	ROUTE 33 (LEIGH STREET)	City of Richmond	21374	Bridge	Yes	1971	1971	15	SD
Richmond	147	Cary Street	RTE. 195 & CSX RAILROAD	VDOT	21519	Bridge	Yes	1975	1975	29	SD
Richmond	161	WESTOVER HILLS BLV	JAMES RV,NS RWY,CSX RWY	RMTA	21528	Bridge	Yes	1924	1993	15	FO

Sufficiency Rating

Sufficiency ratings were developed by the Federal Highway Administration to serve as a prioritization tool to allocate funds. The rating varies from 0 percent (poor) to 100 percent (very good). The formula considers structural adequacy, whether the structure is functionally obsolete and level of service provided to the public. The fact that a structure has low sufficiency rating does not imply that it is necessarily unsafe.

As of January 15, 2015, the median sufficiency rating of the structures in the Richmond Region is 85. Out of 1,412 structures in the Richmond Region 80 structures (5.7%) had the sufficiency rating below 50, 454 structures (33.2%) had rating in the range 50-80 and 872 (61.8%) structures had rating in the range 80.1 -100. Sufficiency rating for a few structures were not available.

The table below illustrates the bridge/culvert sufficiency rating in the Richmond Region by jurisdictions.

Table 17: Sufficiency Rating In the Richmond Region

Jurisdiction	Total # of Bridges & Culverts	Sufficiency Rating			
		0-49.9	50-80	80.1-100	NA
Town of Ashland	6		5	1	
Charles City County	29	1	4	24	
Chesterfield County	350	17	91	241	1
Goochland County	128	6	34	88	
Hanover County	204	16	70	116	2
Henrico County	360	11	123	223	3
New Kent County	97	1	27	69	
Powhatan County	47	9	14	24	
City of Richmond	191	19	86	86	
Richmond Region	**1,412**	80	454	872	6

Health Index

VDOT uses another measure, the Health Index, to measure the physical condition of the structures and provide a consistent internal ranking system for bridge maintenance. A Health Index of 100% indicates that all of the elements of the structure are in the best possible condition, while a Health Index of 0% indicates that all the elements of the structure are in the worst possible condition. Only VDOT and Transurban owned and maintained roads have a Health Index.

Of the 1,412 structures in the Richmond Region only 1,242 bridges have been given a health index. Seven VDOT maintained structures are missing the Health Index. The median health index is 91.94. There are 65 structures with a health index of less than 60. Map 7 shows the location of structures with a Health Index less than 60 in the Richmond Region. A complete list of these structures follows Map 7.

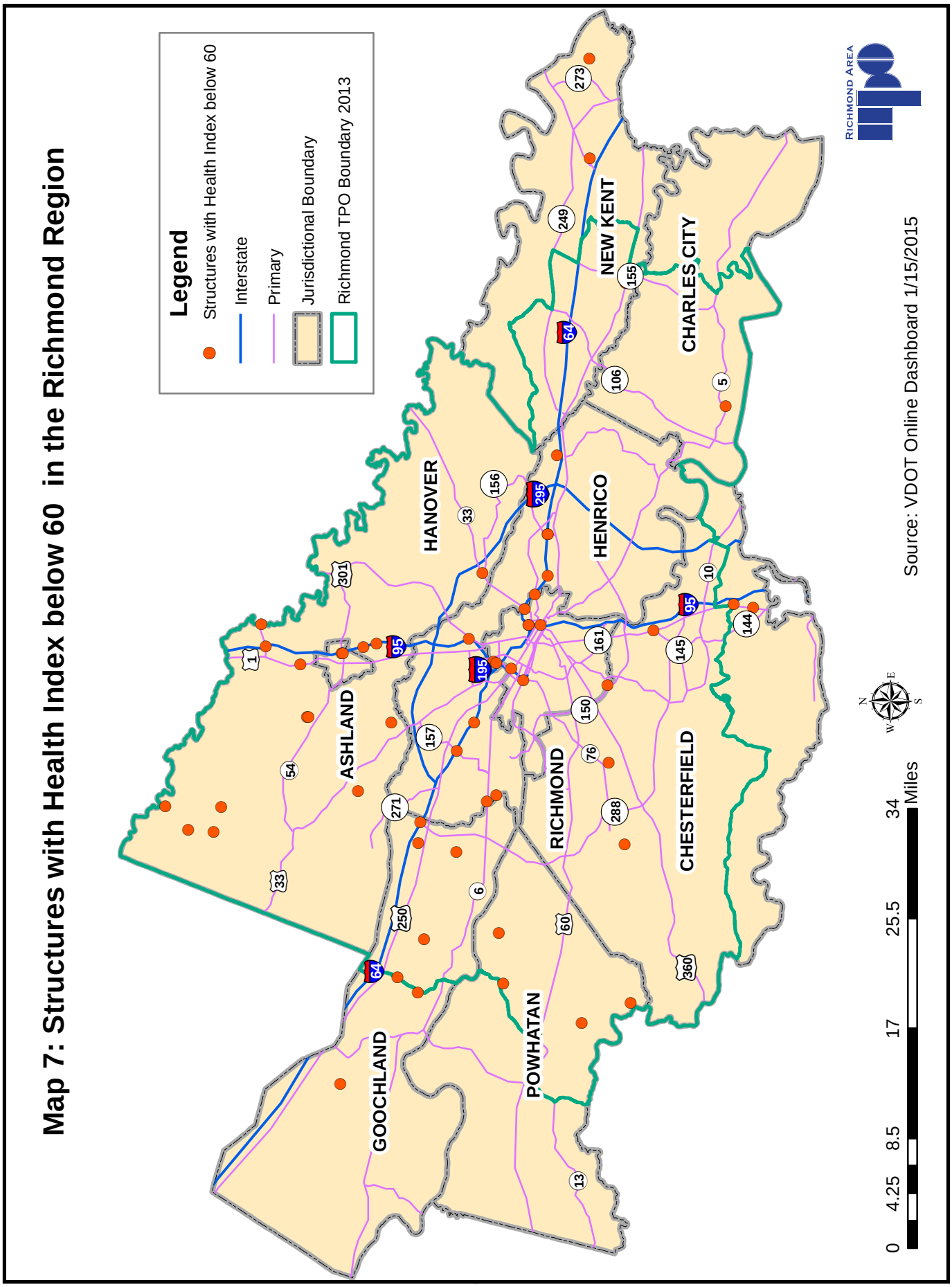

Map 7: Structures with Health Index below 60 in the Richmond Region
Legend
Structures with Health Index below 60
Interstate
Primary
Jurisdictional Boundary
Richmond TPO Boundary 2013
HANOVER
NEW KENT
CHARLES CITY
HENRICO
ASHLAND
RICHMOND
CHESTERFIELD
GOOCHLAND
POWHATAN
Source: VDOT Online Dashboard 1/15/2015
0 4.25 8.5 17 25.5 34 Miles

Table 18: Bridges and Culverts with Lowest Health Index in the Richmond Region

Jurisdiction	Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Health Index
Goochland County	623	Ashland Road	TUCKAHOE CREEK	VDOT	8643	Culvert	Yes	1966	1966	SD	5.08
Hanover County	670	STONE HORSE CR RD	STONE HORSE CREEK	VDOT	9550	Culvert	No	1970	1970	SD	6.2
Hanover County	660	WINNS CHURCH ROAD	GRASSY SWAMP CREEK	VDOT	9540	Culvert	No	1970	1970	SD	18.52
Goochland County	639	Sheppard Town Road	BR OF BEAVERDAM CREEK	VDOT	8659	Culvert	Yes	1986	1986	SD	22.03
Chesterfield County	604	Genito Road	TOMAHAWK CREEK	VDOT	5238	Bridge	Yes	1939	1939	SD	27.84
Hanover County	715	BEAVER DAM ROAD	S. BRANCH BEAVERDAM CRK	VDOT	9581	Culvert	Yes	1947	1947	SD	27.99
Henrico County	156	WILLIS CHURCH ROAD	CREWES CHANNEL	VDOT	9863	Culvert	No	1984	1984	SD	29.82
Goochland County	673	Route 673	ROCKETS WILD BOAR CREEK	VDOT	8674	Culvert	Yes	1966	1966	SD	29.89
Goochland County	641	Genito Road	GENITO CREEK	VDOT	8662	Culvert	No	1969	1969	SD	30.04
Chesterfield County	3200	HARBOR POINTE ROAD	PED WALK/GOLF PATH	VDOT	30018	Culvert	No	2012	2012		33.33
Chesterfield County	2434	Kingston Avenue	BRANCH OF JOHNSON CREEK	VDOT	29529	Culvert	No	1969	1969		33.33
Powhatan County	621	Cosby Road	STREAM INTO JAMES RIVER	VDOT	13852	Culvert	No	1962	1962		33.33
Richmond	64	WBL ROUTE 0064	CSXT,HOSPITALST&VALL	VDOT	21427	Bridge	Yes	1967	2001	SD	34.18
Richmond	64	Interstate-64 EBL	CSX,HOSPITALST&VALLEYRD	VDOT	21425	Bridge	Yes	1967	2001	SD	34.67
Powhatan County	603	Rocky Ford Road	BRANCH ROCKY FORD CREEK	VDOT	13837	Bridge	No	1954	2001	SD	36.52
Hanover County	802	LEWISTOWN ROAD	RTE I 95	VDOT	9596	Bridge	Yes	1961	1991	SD	38.79
Goochland County	645	Beaverdam Creek Rd	Branch o Beaverdam Creek	VDOT	8665	Culvert	No	1970	2001		42.08
Hanover County	30	KINGS DOMINION BVD	NORTH ANNA RIVER	VDOT	9378	Bridge	Yes	1966	1966	SD	43.29
Henrico County	64	WBL ROUTE 0064	RTE 156	VDOT	9762	Bridge	Yes	1964	1996	SD	44.04
New Kent County	600	HOLLY FORK ROAD	GODDINS MILL POND	VDOT	12711	Bridge	No	1920	1997	SD	44.37
Hanover County	715	BEAVER DAM ROAD	N. Branch Beaverdam Crk.	VDOT	9580	Culvert	No	1960	1960		44.44
Henrico County	64	EBL ROUTE 0064	RTE 156	VDOT	9760	Bridge	Yes	1964	1964	SD	44.7
Chesterfield County	1	Jefferson Davis HY	CSX TRANSPORTATION	VDOT	4986	Bridge	Yes	1934	1970	SD	45.05
Powhatan County	628	Red Lane Road	JONES CREEK	VDOT	13854	Culvert	Yes	1965	1965		45.4
Richmond	147	Cary Street	RTE. 195 & CSX RAILROAD	VDOT	21519	Bridge	Yes	1975	1975	SD	46.92
Hanover County	686	HORSESHOE BRIDGE	SOUTH ANNA RIVER	VDOT	9565	Bridge	Yes	1917	1976	FO	47.36
Hanover County	657	ASHCAKE ROAD	RTE I 95	VDOT	9536	Bridge	Yes	1961	1989	FO	48.27
Ashland	54	WBL PATRICK HENRY	INTERSTATE 95	VDOT	9390	Bridge	Yes	1961	2003	FO	49.4
Chesterfield County	688	Dakins Drive	BRANCH OF FALLING CREEK	VDOT	5335	Culvert	No	1974	1974		50
Goochland County	623	Hockett Road	BROAD CREEK	VDOT	8638	Culvert	Yes	1973	1973		50.08

Table 18: Bridges and Culverts with Lowest Health Index in the Richmond Region

Jurisdiction	Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Health Index
Goochland County	632	Fairground Road	Beaverdam Creek	VDOT	8646	Culvert	Yes	1966	1966		50.1
Hanover County	1	WASHINGTON HIGHWAY	SOUTH ANNA RIVER	VDOT	9361	Bridge	Yes	1925	1937	FO	50.12
Hanover County	615	Williamsville Road	HAWES MILLTRACE	VDOT	9489	Culvert	No	1970	1970		50.57
Powhatan County	614	Judes Ferry Road	JONES CREEK	VDOT	13845	Bridge	Yes	1976	1976	SD	51.51
Chesterfield County	678	West Providence Rd	BRANCH OF FALLING CREEK	VDOT	5328	Bridge	Yes	1947	1947	SD	51.75
Ashland	54	Patrick Henry EBL	INTERSTATE 95	VDOT	9388	Bridge	Yes	1961	1991	FO	51.92
New Kent County	632	Stage Road	BEAVERDAM CREEK	VDOT	12741	Culvert	Yes	1976	1976	SD	53.01
Hanover County	658	GOSHEN ROAD	LITTLE RIVER	VDOT	9538	Bridge	Yes	1940	1965		53.15
Goochland County	650	River Road	TUCKAHOE CREEK	VDOT	8666	Bridge	Yes	1950	1987	SD	53.96
Richmond	64	WBL ROUTE 0064	RTE I 195 NBL & RAMP B	VDOT	21417	Bridge	Yes	1967	1971	SD	54.84
Richmond	360	Mechanicsville Tnp	INTERSTATE-64 AND CD RDS	VDOT	21576	Bridge	Yes	1968	1968	SD	55.22
Hanover County	686	HORSESHOE BRIDGE	STAGG CREEK	VDOT	9566	Bridge	Yes	1975	1975	SD	55.38
Henrico County	0	MEADOW ROAD	BOAR SWAMP	Henrico County	9652	Culvert	Yes	1954	1954	SD	55.67
Goochland County	64	Interstate-64 EBL	LITTLE TUCKAHOE CREEK	VDOT	8580	Bridge	Yes	1967	1980	SD	55.77
Hanover County	715	BEVER DAM ROAD	LITTLE RIVER	VDOT	9579	Bridge	Yes	1957	1980		56.85
Richmond	250	BROAD STREET	ROUTE 0095	VDOT	21569	Bridge	Yes	1958	1977	SD	56.88
Richmond	195	NBL ROUTE 0195	CSX TRANSP RAILROAD	VDOT	21556	Bridge	Yes	1975	1975		57.26
Richmond	0	BELLEVUE AVENUE	ROUTE I-95	VDOT	21280	Bridge	Yes	1958	1958	SD	57.3
New Kent County	60	POCAHONTAS TRAIL	JONES RUN	VDOT	12642	Bridge	Yes	1947	1947		57.37
Hanover County	738	TEMAN ROAD	PUG SWAMP CREEK	VDOT	9589	Bridge	Yes	1913	1978	SD	57.51
Henrico County	33	NINE MILE ROAD	ROUTE 0064	VDOT	9745	Bridge	Yes	1968	1988	SD	57.63
Hanover County	30	WBL KINGS DOMINION	RTE I 95	VDOT	9371	Bridge	Yes	1963	1983	FO	58.15
Hanover County	156	COLD HARBOR ROAD	RTE 360	VDOT	9412	Bridge	Yes	1968	1968	SD	58.18
Henrico County	157	PEMBERTON ROAD	RTE I 64	VDOT	9875	Bridge	Yes	1967	1967	SD	58.25
Chesterfield County	1	Jeff Davis Highway	BRANCH OF ASHTON CREEK	VDOT	4993	Bridge	No	1928	1928	SD	58.46
Chesterfield County	1	Jeff Davis Highway	TINSBERRY CREEK	VDOT	4995	Bridge	Yes	1928	1928	FO	58.48
Henrico County	64	ROUTE 0064	STREAM	VDOT	9797	Culvert	No	1968	1968		58.53
Henrico County	7667	SKIPWITH ROAD	ROUTE 0064	VDOT	9612	Bridge	Yes	1967	1967	SD	59.09
Powhatan County	603	Petersburg Road	BUTTERWOOD CREEK	VDOT	13836	Bridge	Yes	1955	1975		59.19
Henrico County	64	EBL ROUTE 0064	NORFOLK SOUTHERN RWY	VDOT	9808	Bridge	Yes	1968	1988	SD	59.22

Table 18: Bridges and Culverts with Lowest Health Index in the Richmond Region

Jurisdiction	Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Health Index
Goochland County	64	I-64 WBL	LITTLE TUCKAHOE CREEK	VDOT	8581	Bridge	Yes	1967	1980	SD	59.33
Goochland County	6	PATTERSON AVE	TUCKAHOE CREEK	VDOT	8571	Bridge	Yes	1971	1971		59.64
Charles City County	5	JOHN TYLER MEM HWY	HERRING CREEK	VDOT	4796	Bridge	Yes	1953	1989	SD	59.8
Henrico County	301	SBL CHAMBERLAYNE	RTE I 95 & UPHAM BROOK	VDOT	10010	Bridge	Yes	1962	1992	FO	59.93
Chesterfield County	651	Belmont Road	POCOSHOCK CREEK	VDOT	5293	Culvert	Yes	1980	1980		59.95

Federal Bridge Funding

Deficient Structures with Sufficiency Rating less than 50

A deficient structure is one which is either structurally deficient or functionally obsolete. Deficient bridges with sufficiency ratings of less than 50 qualify for federal bridge replacement funds.

In the Richmond Region, 77 structures have been identified as deficient structure with sufficiency rating less than 50. The City of Richmond has 19 such structures followed by Hanover and Chesterfield County with each having 16 such structures. Viewed by ownership, all 4 structures owned by the railroad companies (Norfolk Southern & CSX) fall under this category. Similarly, 63 of VDOT owned structures (5.3% of all structures owned by VDOT), 6 structures owned by the City of Richmond and 3 structures owned by Henrico County, fall under this category.

Table 19 : Deficient Structures with sufficiency rating less than 50 by Jurisdictions

Jurisdiction	Total Structures	Deficient Structures with Sufficiency Rating less Than 50	Percentage classified as Deficient Structures with Sufficiency Rating less Than 50
Town of Ashland	6	0	0.0%
Charles City County	29	1	3.4%
Chesterfield County	350	16	4.6%
Goochland County	128	6	4.7%
Hanover County	204	16	7.8%
Henrico County	360	10	2.8%
New Kent County	97	1	1.0%
Powhatan County	47	8	17.0%
City of Richmond	191	19	9.9%
Richmond Region	**1,412**	**77**	**5.5%**

Table 20: Deficient Structures with sufficiency rating less than 50 by Ownership

Ownership	Total Bridges	Deficient Structures with Sufficiency Rating less Than 50	Percentage classified as Deficient Structures with Sufficiency Rating less Than 50
Town of Ashland	1	0	0.0%
City of Richmond	79	6	7.6%
Chesterfield County	1	0	0.0%
Henrico County	65	3	4.6%
RMTA	33	1	3.0%
Transurban	34	0	0.0%
Railroad	4	4	100.0%
VDOT	1,195	63	5.3%
Total	**1,412**	**77**	**5.5%**

Map 8 shows the location of structures eligible for federal bridge replacement funds (deficient structures with sufficiency rating less than 50) in the Richmond Region. A complete list of these structures follows Map 8.

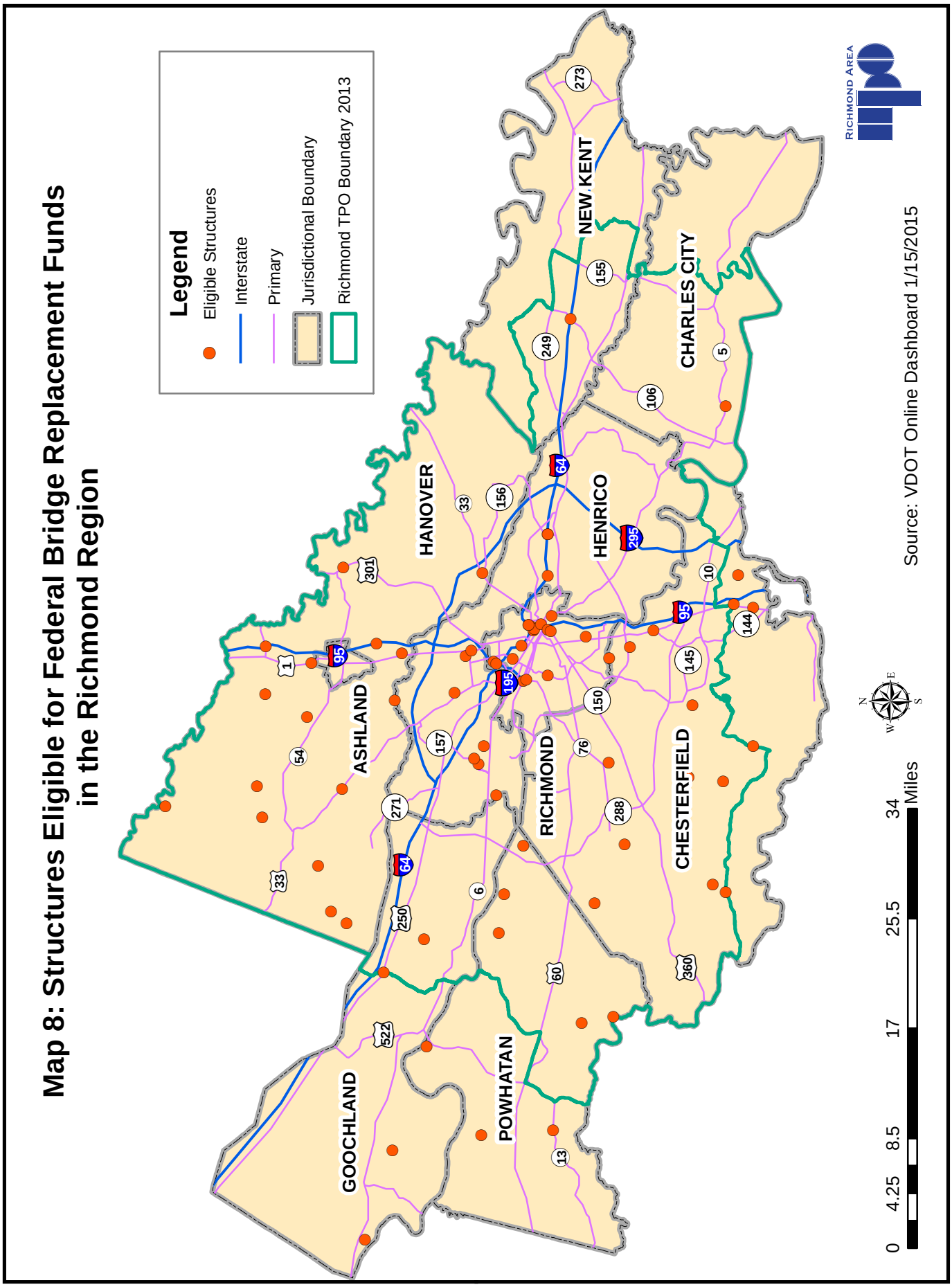

Map 8: Structures Eligible for Federal Bridge Replacement Funds in the Richmond Region
Legend
Eligible Structures
Interstate
Primary
Jurisdictional Boundary
Richmond TPO Boundary 2013
RICHMOND AREA MPO
Source: VDOT Online Dashboard 1/15/2015
0 4.25 8.5 17 25.5 34 Miles
N E S W
GOOCHLAND
POWHATAN
ASHLAND
HANOVER
RICHMOND
CHESTERFIELD
HENRICO
NEW KENT
CHARLES CITY

Table 21: Structures Eligible for Federal Bridge Replacement Funds in the Richmond Region

Jurisdiction	Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))
Chesterfield County	604	Genito Road	TOMAHAWK CREEK	VDOT	5238	Bridge	Yes	1939	1939	7	SD
Goochland County	641	Genito Road	GENITO CREEK	VDOT	8662	Culvert	No	1969	1969	40	SD
Richmond	64	WBL ROUTE 0064	CSXT,HOSPITALST&VALL	VDOT	21427	Bridge	Yes	1967	2001	44	SD
Richmond	64	Interstate-64 EBL	CSX,HOSPITALST&VALLEYRD	VDOT	21425	Bridge	Yes	1967	2001	43	SD
Powhatan County	603	Rocky Ford Road	BRANCH ROCKY FORD CREEK	VDOT	13837	Bridge	No	1954	2001	42	SD
Hanover County	802	LEWISTOWN ROAD	RTE I 95	VDOT	9596	Bridge	Yes	1961	1991	39	SD
Henrico County	64	WBL ROUTE 0064	RTE 156	VDOT	9762	Bridge	Yes	1964	1996	47	SD
Henrico County	64	EBL ROUTE 0064	RTE 156	VDOT	9760	Bridge	Yes	1964	1964	48	SD
Chesterfield County	1	Jefferson Davis HY	CSX TRANSPORTATION	VDOT	4986	Bridge	Yes	1934	1970	33	SD
Richmond	147	Cary Street	RTE. 195 & CSX RAILROAD	VDOT	21519	Bridge	Yes	1975	1975	29	SD
Hanover County	686	HORSESHOE BRIDGE	SOUTH ANNA RIVER	VDOT	9565	Bridge	Yes	1917	1976	33	FO
Powhatan County	614	Judes Ferry Road	JONES CREEK	VDOT	13845	Bridge	Yes	1976	1976	47	SD
Chesterfield County	678	West Providence Rd	BRANCH OF FALLING CREEK	VDOT	5328	Bridge	Yes	1947	1947	42	SD
Goochland County	650	River Road	TUCKAHOE CREEK	VDOT	8666	Bridge	Yes	1950	1987	27	SD
Richmond	64	WBL ROUTE 0064	RTE I 195 NBL & RAMP B	VDOT	21417	Bridge	Yes	1967	1971	38	SD
Richmond	250	BROAD STREET	ROUTE 0095	VDOT	21569	Bridge	Yes	1958	1977	47	SD
Richmond	0	BELLEVUE AVENUE	ROUTE I-95	VDOT	21280	Bridge	Yes	1958	1958	41	SD
Hanover County	738	TEMAN ROAD	PUG SWAMP CREEK	VDOT	9589	Bridge	Yes	1913	1978	20	SD
Hanover County	30	WBL KINGS DOMINION	RTE I 95	VDOT	9371	Bridge	Yes	1963	1983	48	FO
Hanover County	156	COLD HARBOR ROAD	RTE 360	VDOT	9412	Bridge	Yes	1968	1968	44	SD
Chesterfield County	1	Jeff Davis Highway	BRANCH OF ASHTON CREEK	VDOT	4993	Bridge	No	1928	1928	28	SD
Chesterfield County	1	Jeff Davis Highway	TINSBERRY CREEK	VDOT	4995	Bridge	Yes	1928	1928	48	FO
Henrico County	64	EBL ROUTE 0064	NORFOLK SOUTHERN RWY	VDOT	9808	Bridge	Yes	1968	1988	48	SD
Charles City County	5	JOHN TYLER MEM HWY	HERRING CREEK	VDOT	4796	Bridge	Yes	1953	1989	42	SD
Henrico County	1	NBL BROOK ROAD	UPHAM BROOK	VDOT	9716	Bridge	Yes	1921	1971	36	SD
Henrico County	64	WBL ROUTE 0064	NORFOLK SOUTHERN RWY	VDOT	9809	Bridge	Yes	1968	1988	48	SD
Hanover County	658	GOSHEN ROAD	NEW FOUND RIVER	VDOT	9539	Bridge	Yes	1978	1978	16	SD
Hanover County	661	OLD TELEGRAPH ROAD	STONY RUN	VDOT	9541	Bridge	Yes	1919	1973	38	SD
Hanover County	611	Vontay Road	TURKEY CREEK	VDOT	9487	Bridge	No	1960	1986	23	SD
Hanover County	1	WASHINGTON HIGHWAY	CSX TRANSPORTATION	VDOT	9363	Bridge	Yes	1934	1973	37	SD
Powhatan County	13	Old Buckingham Rd.	SALLEE CREEK	VDOT	13826	Bridge	Yes	1920	1945	21	SD
Chesterfield County	655	BEACH ROAD	SWIFT CREEK	VDOT	5309	Bridge	Yes	1972	1972	39	SD
Chesterfield County	636	Nash Road	RITA BRANCH	VDOT	5271	Bridge	No	1951	1951	49	SD

Table 21: Structures Eligible for Federal Bridge Replacement Funds in the Richmond Region

Jurisdiction	Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))
Chesterfield County	641	Dundas Road	CSX TRNS & USDGSC SERVIC	VDOT	5280	Bridge	Yes	1951	1961	34	SD
Richmond	195	SBL ROUTE 0195	RTE 76 , CSX RR , RAMP S	VDOT	21552	Bridge	Yes	1975	1975	44	SD
Powhatan County	604	GENITO ROAD	APPOMATTOX RIVER	VDOT	13841	Bridge	Yes	1954	1954	36	FO
Chesterfield County	606	Mt. Hermon Road	SWIFT CREEK	VDOT	5243	Bridge	Yes	1972	1972	26	SD
Powhatan County	313	Beaumont Road	GRIGG LAKE	VDOT	13833	Bridge	Yes	1945	1945	45	FO
Powhatan County	684	CARTERSVILLE ROAD	DEEP CREEK	VDOT	13863	Bridge	Yes	1935	1935	38	SD
Chesterfield County	746	Ruffins Mill Road	ASHTON CREEK	VDOT	5342	Bridge	No	1950	1996	6	SD
Powhatan County	711	HUGUENOT TRAIL	NORWOOD CREEK	VDOT	13866	Bridge	Yes	1939	1939	25	SD
Chesterfield County	603	Winterpock Road	WINTERPOCK CREEK	VDOT	5232	Bridge	Yes	1945	2006	21	SD
Chesterfield County	637	Hopkins Rd.	FALLING CREEK	VDOT	5272	Bridge	Yes	1952	1952	42	SD
Henrico County	0	PARHAM ROAD	CSX RAILWAY	Henrico County	9634	Bridge	Yes	1967	1997	42	SD
Henrico County	157	PEMBERTON ROAD	UNNAMED TR DP RUN CK	VDOT	9872	Bridge	Yes	1962	1976	37	FO
New Kent County	106	EMMAUS CHURCH ROAD	RTES I 64 & 33	VDOT	12704	Bridge	Yes	1972	1972	49	SD
Chesterfield County	654	Spring Run Road	THIRD BRANCH	VDOT	5306	Bridge	No	1940	2001	11	SD
Chesterfield County	602	River Road	WINTERPOCK CREEK	VDOT	5231	Bridge	Yes	1960	1960	23	FO
Powhatan County	711	HUGUENOT TRAIL	BERNARD CREEK	VDOT	13865	Bridge	Yes	1940	1940	45	FO
Hanover County	617	SPRING ROAD	SOUTH ANNA RIVER	VDOT	9492	Bridge	Yes	1959	2012	43	FO
Goochland County	250	West Broad Street	BEAVERDAM CREEK	VDOT	8591	Bridge	Yes	1932	1932	47	FO
Hanover County	625	GREENWOOD ROAD	CHICKAHOMINY RIVER	VDOT	9500	Bridge	Yes	1937	1975	6	SD
Chesterfield County	780	Lush Forest Trail	FIRST BRANCH	VDOT	5346	Bridge	No	1950	2007	42	FO
Goochland County	616	Haskins Road	LITTLE LICKINGHOLE CREEK	VDOT	8625	Bridge	Yes	1955	1955	26	FO
Hanover County	671	COATESVILLE ROAD	NEW FOUND RIVER	VDOT	9551	Bridge	Yes	1940	2007	49	FO
Richmond	0	7th Street	I-95, LOOP-J, RAMP-B	VDOT	21289	Bridge	Yes	1958	2004	48	SD
Goochland County	603	Elk Island Road	NORTH BRANCH JAMES RIVER	VDOT	8605	Bridge	Yes	1973	2011	26	FO
Chesterfield County	654	Bundle Road	SECOND BRANCH	VDOT	5305	Bridge	Yes	1974	2007	32	FO
Goochland County	6	River Road West	BRANCH OF JAMES RIVER	VDOT	8568	Bridge	No	1930	1971	48	FO
Henrico County	157	PEMBERTON ROAD	STONY RUN	VDOT	9877	Culvert	Yes	1965	1965	45	SD
Hanover County	33	MOUNTAIN ROAD	SOUTH ANNA RIVER	VDOT	9379	Bridge	Yes	1970	1970	47	FO
Hanover County	610	BETHANY CHURCH RD	TAYLORS CREEK	VDOT	9484	Bridge	Yes	1957	2013	45	FO
Hanover County	688	DOSWELL ROAD	LITTLE RIVER	VDOT	9567	Bridge	Yes	1936	1986	49	FO
Hanover County	301	HANOVER COURTHOUSE	MECHUMPS CREEK	VDOT	9450	Bridge	Yes	1932	1955	32	FO
Henrico County	0	LAKESIDE AVENUE	NORTH RUN	Henrico County	9657	Bridge	Yes	1954	1954	11	SD
Henrico County	0	PARHAM ROAD	SHOPPING CENTER ROAD	Henrico County	9676	Bridge	Yes	1975	1975	49	FO

Table 21: Structures Eligible for Federal Bridge Replacement Funds in the Richmond Region

Jurisdiction	Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))
Richmond	0	LYNHAVEN AVENUE	BROAD ROCK CREEK	City of Richmond	21357	Bridge	Yes	1949	1949	13	SD
Richmond	0	LOMBARDY STREET	CSX RAILWAY	Railroad	21380	Bridge	Yes	1932	1933	36	SD
Richmond	5	MAIN STREET	NS RAILWAY	Railroad	21398	Bridge	Yes	1913	1913	28	SD
Richmond	0	5TH STREET	ROUTE 33 (LEIGH STREET)	City of Richmond	21370	Bridge	Yes	1971	1971	6	SD
Richmond	0	7TH STREET	ROUTE 33 (LEIGH STREET)	City of Richmond	21374	Bridge	Yes	1971	1971	15	SD
Richmond	161	WESTOVER HILLS BLV	JAMES RV,NS RWY,CSX RWY	RMTA	21528	Bridge	Yes	1924	1993	15	FO
Richmond	161	NORTH BOULEVARD	CSX RAILWAY	Railroad	21531	Bridge	Yes	1943	1986	9	FO
Richmond	250	BROAD STREET	RAVINE (CSX ROW)	Railroad	21575	Bridge	Yes	1909	1909	49	SD
Richmond	360	14TH STREET	JAMES RIVER SOUTH DIV @	City of Richmond	21583	Bridge	Yes	1913	1913	36	SD
Richmond	360	14TH STREET	JAMES RIVER NORTH DIV @	City of Richmond	21584	Bridge	Yes	1913	1913	36	SD
Richmond	360	HULL STREET	MANCHESTER CANAL	City of Richmond	21585	Bridge	Yes	1921	2005	34	SD

Deficient bridges with sufficiency ratings greater than 50 and less than or equal to 80

Deficient bridges with sufficiency ratings greater than 50 and less than or equal to 80 qualify for federal bridge rehabilitation funds. The breakdown of these structures are presented in Tables 17 and 18 below.

Table 22: Deficient Structures with Sufficiency Rating 50-80 by Jurisdictions

Jurisdiction	Total Bridges	Deficient Structures with Sufficiency Rating 50-80	Percentage classified as Deficient Structures with Sufficiency Rating 50-80
Town of Ashland	6	2	33.3%
Charles City County	29	3	10.3%
Chesterfield County	350	29	8.3%
Goochland County	128	17	13.3%
Hanover County	204	29	14.2%
Henrico County	360	27	7.5%
New Kent County	97	13	13.4%
Powhatan County	47	6	12.8%
City of Richmond	191	45	23.6%
Richmond Region	**1,412**	**171**	**12.1%**

Table 23: Deficient Structures with Sufficiency Rating 50 -80 by Ownership

Ownership	Total Bridges	Deficient Structures with Sufficiency Rating 50-80	Percentage classified as Deficient Structures with Sufficiency Rating 50-80
Town of Ashland	1	0	0.0%
City of Richmond	79	15	19.0%
Chesterfield County	1	0	0.0%
Henrico County	65	6	9.2%
RMTA	33	7	21.2%
Transurban	34	0	0.0%
Railroad	4	0	0.0%
VDOT	1,195	143	12.0%
Total	**1,412**	**171**	**12.1%**

Map 9 shows the location of structures eligible for federal bridge rehabilitation funds (deficient structures with sufficiency rating 50-80) in the Richmond Region. A complete list of these structures follows Map 9.

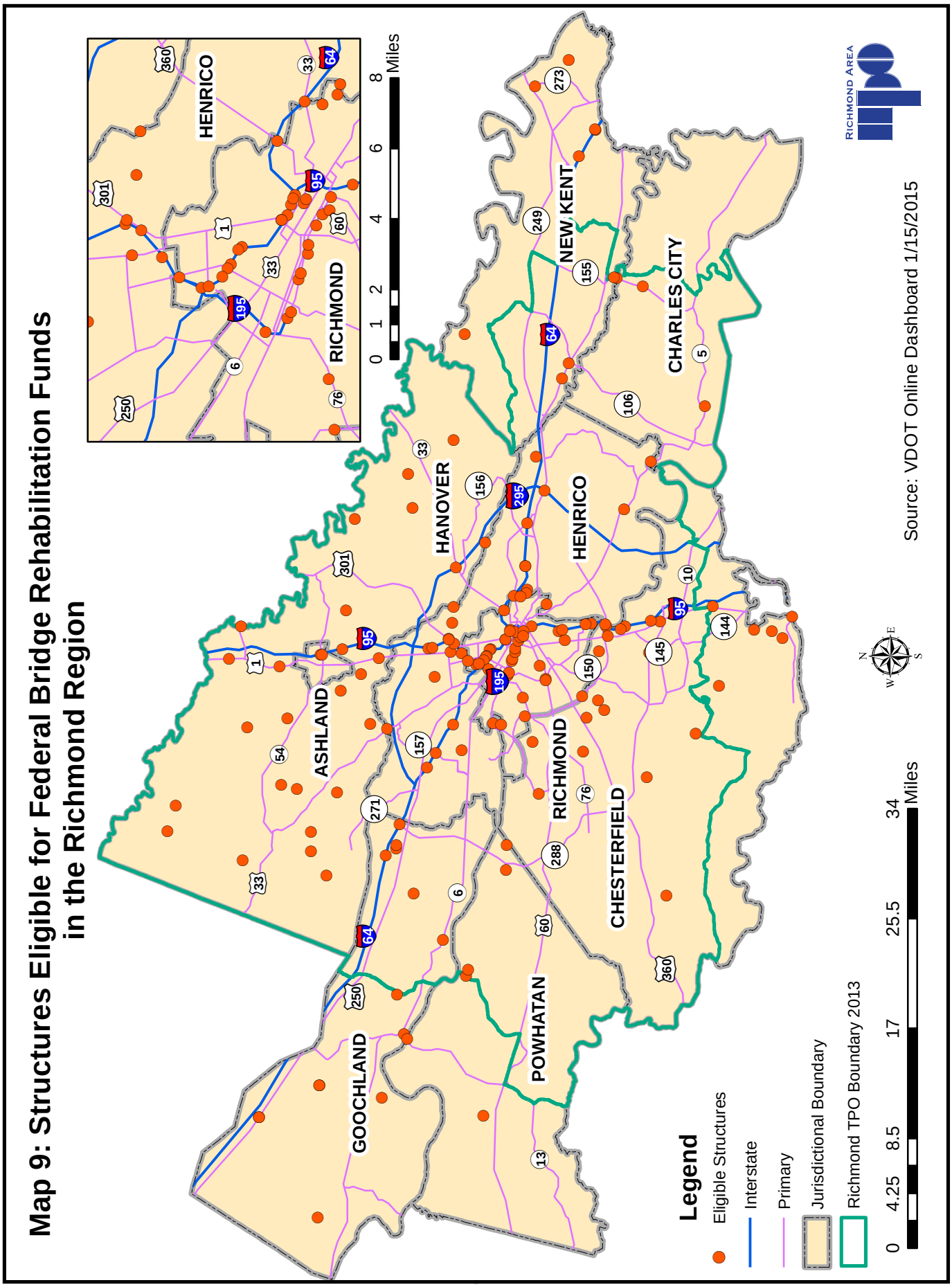

Map 9: Structures Eligible for Federal Bridge Rehabilitation Funds in the Richmond Region
HENRICO
RICHMOND
0 1 2 4 6 8 Miles
GOOCHLAND
POWHATAN
CHESTERFIELD
HENRICO
HANOVER
ASHLAND
RICHMOND
NEW KENT
CHARLES CITY
Legend
Eligible Structures
Interstate
Primary
Jurisdictional Boundary
Richmond TPO Boundary 2013
0 4.25 8.5 17 25.5 34 Miles
Source: VDOT Online Dashboard 1/15/2015
Richmond Area TPO

Table 24: Structures Eligible for Federal Bridge Rehabilitation Funds in the Richmond Region

Jurisdiction	Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))
Goochland County	623	Ashland Road	TUCKAHOE CREEK	VDOT	8643	Culvert	Yes	1966	1966	50	SD
Hanover County	670	STONE HORSE CR RD	STONE HORSE CREEK	VDOT	9550	Culvert	No	1970	1970	69	SD
Hanover County	660	WINNS CHURCH ROAD	GRASSY SWAMP CREEK	VDOT	9540	Culvert	No	1970	1970	52	SD
Goochland County	639	Sheppard Town Road	BR OF BEAVERDAM CREEK	VDOT	8659	Culvert	Yes	1986	1986	68	SD
Hanover County	715	BEAVER DAM ROAD	S. BRANCH BEAVERDAM CRK	VDOT	9581	Culvert	Yes	1947	1947	69	SD
Henrico County	156	WILLIS CHURCH ROAD	CREWES CHANNEL	VDOT	9863	Culvert	No	1984	1984	55	SD
Goochland County	673	Route 673	ROCKETS WILD BOAR CREEK	VDOT	8674	Culvert	Yes	1966	1966	52	SD
Hanover County	30	KINGS DOMINION BVD	NORTH ANNA RIVER	VDOT	9378	Bridge	Yes	1966	1966	58	SD
New Kent County	600	HOLLY FORK ROAD	GODDINS MILL POND	VDOT	12711	Bridge	No	1920	1997	63	SD
Hanover County	657	ASHCAKE ROAD	RTE I 95	VDOT	9536	Bridge	Yes	1961	1989	58	FO
Ashland	54	WBL PATRICK HENRY	INTERSTATE 95	VDOT	9390	Bridge	Yes	1961	2003	65	FO
Hanover County	1	WASHINGTON HIGHWAY	SOUTH ANNA RIVER	VDOT	9361	Bridge	Yes	1925	1937	58	FO
Ashland	54	Patrick Henry EBL	INTERSTATE 95	VDOT	9388	Bridge	Yes	1961	1991	65	FO
Richmond	360	Mechanicsville Tnp	INTERSTATE-64 AND CD RDS	VDOT	21576	Bridge	Yes	1968	1968	67	SD
Hanover County	686	HORSESHOE BRIDGE	STAGG CREEK	VDOT	9566	Bridge	Yes	1975	1975	64	SD
Henrico County	0	MEADOW ROAD	BOAR SWAMP	Henrico County	9652	Culvert	Yes	1954	1954	70	SD
Goochland County	64	Interstate-64 EBL	LITTLE TUCKAHOE CREEK	VDOT	8580	Bridge	Yes	1967	1980	59	SD
Henrico County	33	NINE MILE ROAD	ROUTE 0064	VDOT	9745	Bridge	Yes	1968	1988	70	SD
Henrico County	157	PEMBERTON ROAD	RTE I 64	VDOT	9875	Bridge	Yes	1967	1967	58	SD
Henrico County	7667	SKIPWITH ROAD	ROUTE 0064	VDOT	9612	Bridge	Yes	1967	1967	57	SD
Goochland County	64	I-64 WBL	LITTLE TUCKAHOE CREEK	VDOT	8581	Bridge	Yes	1967	1980	61	SD
Henrico County	301	SBL CHAMBERLAYNE	RTE I 95 & UPHAM BROOK	VDOT	10010	Bridge	Yes	1962	1992	66	FO
Henrico County	64	EBL ROUTE 0064	RTE 33	VDOT	9756	Bridge	Yes	1964	1964	67	SD
Henrico County	7552	DUMBARTON ROAD	ROUTE 0095	VDOT	9668	Bridge	Yes	1958	1996	59	FO
Richmond	195	Route 195	HAMILTON STREET	VDOT	21554	Bridge	Yes	1975	1975	55	SD
Hanover County	606	STUDLEY ROAD	TOTOPOTOMOY CREEK	VDOT	9476	Bridge	Yes	1952	1952	51	FO
Richmond	161	Rte 161(Hermitage)	INTERSTATE-95	VDOT	21526	Bridge	Yes	1958	2002	57	FO
Henrico County	64	WBL ROUTE 0064	RTE 33	VDOT	9758	Bridge	Yes	1964	1964	66	SD
Hanover County	715	Beaver Dam Road	NEW FOUND RIVER	VDOT	9578	Bridge	Yes	1959	1959	50	SD
Richmond	64	WBL ROUTE 0064	ROUTE 95	VDOT	21441	Bridge	Yes	1971	1971	72	SD
Richmond	0	1ST STREET	ROUTE I-95 (I-64)	VDOT	21282	Bridge	Yes	1958	2003	63	SD
Richmond	64	RAMP TO 5TH & 95S	ROUTE I-95	VDOT	21287	Bridge	Yes	1958	1995	62	SD
Hanover County	685	ROCKETTS MILL ROAD	NEW FOUND RIVER	VDOT	9564	Bridge	Yes	1961	1986	68	FO

Table 24: Structures Eligible for Federal Bridge Rehabilitation Funds in the Richmond Region

Jurisdiction	Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))
Hanover County	33	EBL MOUNTAIN ROAD	CHICKAHOMINY RIVER	VDOT	9381	Bridge	Yes	1971	2003	69	SD
Henrico County	0	WILKINSON ROAD	UPHAM BROOK	Henrico County	9661	Culvert	Yes	1954	1954	72	SD
New Kent County	273	FARMERS DRIVE	ELTHAM CREEK	VDOT	12709	Bridge	Yes	1947	1947	55	SD
Richmond	0	4TH STREET	ROUTE I-95	VDOT	21284	Bridge	Yes	1969	1969	51	SD
Chesterfield County	631	Bradley Bridge Rd.	SWIFT CREEK	VDOT	5268	Bridge	Yes	1964	1964	59	FO
Goochland County	522	Maiden Road	CSX TRANSPORTATION	VDOT	8602	Bridge	Yes	1972	1972	65	FO
Chesterfield County	95	Interstate-95	RTE 608 (REYMET RD)	VDOT	5058	Bridge	Yes	1958	1990	51	SD
Charles City County	640	HERRING CREEK ROAD	HERRING CREEK	VDOT	4819	Bridge	Yes	1930	1991	78	SD
Hanover County	626	ELMONT ROAD	STONY RUN CREEK	VDOT	9501	Bridge	Yes	1975	1975	78	FO
Henrico County	42	COX ROAD	WBL ROUTE 0064	VDOT	9616	Bridge	Yes	1967	1967	54	FO
Chesterfield County	144	Chester Road	HAMBLIN CREEK	VDOT	5100	Bridge	Yes	1949	1949	61	FO
Hanover County	605	RIVER ROAD	CRUMP CREEK	VDOT	9473	Bridge	Yes	1982	1982	50	SD
Powhatan County	684	Bell Road	STEGERS CREEK	VDOT	13862	Bridge	No	1938	1938	72	FO
Henrico County	73	EBL PARHAM ROAD	ROUTE I-95	VDOT	9830	Bridge	Yes	1962	1991	63	FO
Charles City County	5	JOHN TYLER MEM HWY	TURKEY ISLAND CREEK	VDOT	4802	Bridge	Yes	1951	1951	57	FO
Powhatan County	711	Huguenot Trail	BRANCH OF FINE CREEK	VDOT	13868	Bridge	No	1940	1940	61	FO
Chesterfield County	150	WBL ROUTE 0150	NS RAILWAY	VDOT	5140	Bridge	Yes	1968	1968	64	FO
New Kent County	60	EBL POCAHONTAS TR	TOE INK SWAMP	VDOT	12641	Bridge	Yes	1947	1947	66	SD
Hanover County	627	MEADOWBRIDGE ROAD	CHICKAHOMINY RIVER	VDOT	9505	Bridge	Yes	1955	1955	59	FO
New Kent County	155	S. COURTHOUSE ROAD	CHICKAHOMINY RV@-PROV-FG	VDOT	12707	Bridge	Yes	1931	1973	61	FO
Richmond	64	EBL ROUTE 0064	RTE 95,4TH & 5TH STREETS	VDOT	21435	Bridge	Yes	1969	1998	55	SD
Goochland County	250	Broad Street	BR BIG LICKINGHOLE CREEK	VDOT	8600	Bridge	No	1930	1930	56	FO
Chesterfield County	95	Interstate-95	SHELL ROAD	VDOT	5083	Bridge	No	1958	1984	65	FO
Chesterfield County	150	ROUTE 0150 EBL	NS RAILWAY	VDOT	5141	Bridge	Yes	1972	1972	53	SD
Richmond	0	Grove Ave.	ROUTE 195 & CSX RR	VDOT	21310	Bridge	Yes	1975	1975	55	FO
New Kent County	64	WBL ROUTE 0064	WAHRANI SWAMP	VDOT	12676	Bridge	Yes	1972	1972	69	SD
Powhatan County	522	ROUTE 0522	JAMES RIVER @	VDOT	13834	Bridge	Yes	1972	1972	58	FO
New Kent County	64	EBL ROUTE 0064	BEAVERDAM CREEK	VDOT	12673	Bridge	Yes	1972	1972	68	SD
Chesterfield County	643	Turner Road	FALLING CREEK	VDOT	5282	Bridge	Yes	1960	1960	65	FO
New Kent County	60	EBL POCAHONTAS TR	CRUMPS SWAMP	VDOT	12651	Bridge	No	1924	1924	52	FO
Goochland County	250	Route 250	STREAM	VDOT	8601	Culvert	No	1945	2013	67	FO
Richmond	0	MEADOW STREET	ROUTE 195 EXPRESSWAY	VDOT	21306	Bridge	Yes	1976	1996	64	SD
Chesterfield County	638	Cogbill Road	FALLING CREEK	VDOT	5277	Bridge	Yes	1938	1982	66	FO

Table 24: Structures Eligible for Federal Bridge Rehabilitation Funds in the Richmond Region

Jurisdiction	Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))
Goochland County	673	Whitehall Road	WHITEHALL CREEK	VDOT	8673	Bridge	No	1950	2012	62	FO
Henrico County	147	HUGUENOT ROAD	LITTLE WESTHAM CREEK	VDOT	9854	Bridge	Yes	1949	1985	77	FO
Henrico County	1	SBL BROOK ROAD	UPHAM BROOK	VDOT	9715	Bridge	Yes	1939	1985	76	FO
New Kent County	64	EBL ROUTE 0064	RTE 627	VDOT	12665	Bridge	Yes	1971	1971	66	SD
Richmond	95	I-95 Ramps B&D	INTERSTATE 95	VDOT	21503	Bridge	Yes	1977	1993	52	SD
Goochland County	708	Saint Matthews Ln.	BRANCH OF TUCKAHOE CK	VDOT	8680	Bridge	Yes	1988	1988	79	FO
New Kent County	64	EBL ROUTE 0064	WAHRANI SWAMP	VDOT	12675	Bridge	Yes	1972	1972	68	SD
Henrico County	5	NEW MARKET ROAD	BAILEYS CK @ CURLES-NECK	VDOT	9722	Bridge	Yes	1942	1974	57	FO
Henrico County	0	SCOTT ROAD	ROUTE I 95	VDOT	9630	Bridge	Yes	1962	2003	60	FO
Powhatan County	711	HUGUENOT TRAIL	FINE CREEK	VDOT	13867	Bridge	Yes	1940	1940	62	FO
New Kent County	64	WBL ROUTE 0064	RTE 627	VDOT	12667	Bridge	Yes	1971	1971	67	SD
Chesterfield County	95	I-95 NBL Ramp-B	INTERSTATE 95	VDOT	5094	Bridge	Yes	1978	1993	69	FO
Richmond	146	SBL ROUTE 0146	SBL ROUTE 0195 EXPRESSWY	VDOT	21513	Bridge	Yes	1976	1976	75	FO
Goochland County	250	Broad Street Road	BR BIG LICKINGHOLE CREEK	VDOT	8599	Bridge	No	1930	1930	52	FO
New Kent County	64	WBL ROUTE 0064	BEAVERDAM CREEK	VDOT	12674	Bridge	Yes	1972	1972	69	SD
Hanover County	295	EBL ROUTE 0295	BEAVERDAM CREEK	VDOT	9430	Bridge	Yes	1979	1979	59	SD
Henrico County	60	EBL WILLIAMSBURG	RTE I 295	VDOT	9750	Bridge	Yes	1979	1991	66	SD
Hanover County	676	VONTAY ROAD	MILL CREEK	VDOT	9560	Bridge	Yes	1940	1990	69	FO
Charles City County	155	COURTHOUSE ROAD	COLLINS RUN	VDOT	4807	Bridge	No	1931	1986	54	FO
Chesterfield County	655	Beach Road	WINTERPOCK CREEK	VDOT	5310	Bridge	No	1947	1947	75	FO
Richmond	0	Idlewood Ave.	I-195 & RAMP W	VDOT	21314	Bridge	Yes	1975	1993	73	FO
Hanover County	673	WALTONS TAVERN RD	TAYLORS CREEK	VDOT	9555	Bridge	Yes	1941	1941	61	FO
Goochland County	667	Old Columbia Road	LITTLE BYRD CREEK	VDOT	8670	Bridge	Yes	1950	1950	78	FO
Henrico County	42	COX ROAD	EBL ROUTE 0064	VDOT	9618	Bridge	Yes	1967	1990	60	FO
Henrico County	301	SBL CHAMBERLAYNE	RTE I 95	VDOT	10008	Bridge	Yes	1962	1992	65	FO
Chesterfield County	95	Interstate-95	OLD TEXACO ROAD	VDOT	5075	Bridge	Yes	1958	1996	62	FO
Chesterfield County	150	Route 150 EBL	INTERSTATE 95 & RAMP B	VDOT	5088	Bridge	Yes	1978	1991	68	FO
Hanover County	1	WASHINGTON HIGHWAY	CSX TRANSPORTATION	VDOT	9359	Bridge	Yes	1926	2000	69	FO
Chesterfield County	36	Chesterfield Ave.	APPOMATTOX RIVER	VDOT	5011	Bridge	Yes	1961	1961	76	FO
Chesterfield County	628	Hickory Road	OLD TOWN CREEK	VDOT	5266	Bridge	No	1948	1964	76	FO
Henrico County	73	WBL PARHAM ROAD	ROUTE I-95	VDOT	9828	Bridge	Yes	1978	1992	77	FO
Hanover County	656	MOUNT HERMON ROAD	CAMPBELLS CREEK	VDOT	9529	Bridge	Yes	1971	1971	77	FO
Richmond	95	Interstate-95	DEEPWTR TERMINAL SER. RD	VDOT	21486	Bridge	Yes	1958	1984	56	SD

Table 24: Structures Eligible for Federal Bridge Rehabilitation Funds in the Richmond Region

Jurisdiction	Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))
Chesterfield County	647	Walmsley Blvd.	POCOSHOCK CREEK	VDOT	5283	Culvert	Yes	1980	1980	68	SD
Goochland County	6	River Road	GENITO CREEK	VDOT	8556	Bridge	Yes	1929	2000	66	FO
Hanover County	801	COBBS ROAD	STONY RUN	VDOT	9595	Bridge	Yes	1941	1992	80	FO
Chesterfield County	651	Belmont Road	FALLING CREEK	VDOT	5290	Bridge	Yes	1980	1980	80	FO
Henrico County	7555	SBL LABURNUM AVE	ROUTE 0064	VDOT	9624	Bridge	Yes	1964	1997	77	FO
Chesterfield County	1	Jeff Davis Hwy	ASHTON CREEK	VDOT	4994	Bridge	Yes	1928	2001	59	SD
Goochland County	600	Rock Castle Rd.	BIG LICKINGHOLE CREEK	VDOT	8603	Bridge	Yes	1954	1954	63	FO
Henrico County	7555	NBL LABURNUM AVE	ROUTE 0064	VDOT	9626	Bridge	Yes	1964	1997	68	FO
Hanover County	1	WASHINGTON HIGHWAY	LITTLE RIVER	VDOT	9360	Bridge	Yes	1925	1992	76	FO
Richmond	95	ROUTE 0095	DUPONT WATERLINE ROAD	VDOT	21480	Bridge	Yes	1958	2003	70	FO
Goochland County	622	Rockville Road	INTERSTATE 64	VDOT	8635	Bridge	Yes	1967	1967	73	FO
Powhatan County	607	Huguenot Springs R	BERNARDS CREEK	VDOT	13844	Bridge	Yes	1945	1996	58	FO
Richmond	95	Interstate 95	RTE. 197 (LABURNUM AVE.)	VDOT	21498	Bridge	Yes	1958	2013	64	FO
Hanover County	738	TEMAN ROAD	BEAVERDAM CREEK	VDOT	9587	Bridge	Yes	1914	2008	51	FO
Hanover County	671	SCOTCHTOWN ROAD	WALKERS CREEK	VDOT	9554	Bridge	Yes	1988	1988	78	FO
Richmond	95	ROUTE 0095	JAMES RV,RTE 360(60)&CSX	VDOT	21494	Bridge	Yes	1958	2011	63	FO
New Kent County	607	STEEL TRAP ROAD	WATERLOO CK/DICKERSON SW	VDOT	28299	Bridge	Yes	2005	2005	74	FO
Hanover County	1	WASHINGTON HIGHWAY	STONEY RUN	VDOT	9364	Bridge	Yes	1923	2006	65	FO
Hanover County	671	SCOTCHTOWN ROAD	CEDAR CREEK	VDOT	9552	Bridge	Yes	1961	1991	78	FO
Chesterfield County	678	Buford Road	SOUTHERN RAILWAY	VDOT	5330	Bridge	Yes	1983	1983	66	FO
Chesterfield County	637	Hopkins Road	PROCTORS CREEK	VDOT	24810	Bridge	Yes	1997	1997	77	FO
Chesterfield County	627	Woodpecker Road	OLD TOWN CREEK	VDOT	5263	Bridge	Yes	1950	1964	63	FO
Chesterfield County	1	Jefferson Davis Hy	PROCTORS CREEK	VDOT	4988	Bridge	Yes	1923	2000	64	FO
Richmond	0	Chamberlayne Pkwy	INTERSTATE-95 & I-64	VDOT	21293	Bridge	Yes	1958	2004	73	FO
Goochland County	644	Miller's Lane	DOVER CREEK	VDOT	8663	Bridge	No	1950	2008	78	FO
Chesterfield County	147	ROUTE 0147	UNNAMED TRIBUTARY	VDOT	5104	Culvert	Yes	1950	1985	72	SD
Hanover County	615	WILLIAMSVILLE ROAD	TOTOPOTOMOY CREEK	VDOT	26959	Bridge	Yes	2001	2001	79	FO
Chesterfield County	678	West Providence Rd	BEAVER POND CREEK	VDOT	5327	Bridge	Yes	1947	2007	79	FO
Henrico County	301	NBL CHAMBERLAYNE	UPHAM BROOK	VDOT	10012	Bridge	Yes	1962	2012	80	FO
Richmond	95	ROUTE 0095 (0064)	SHERWOOD AVENUE	VDOT	21447	Bridge	Yes	1958	2013	77	FO
Chesterfield County	1	NBL JEFF DAVIS HWY	FALLING CREEK	VDOT	24940	Bridge	Yes	1997	1997	80	FO
Hanover County	628	MCCLELLAN ROAD	PARSLEYS CREEK	VDOT	9506	Bridge	No	1930	2006	77	FO
Chesterfield County	636	Nash Road	FIRST BRANCH	VDOT	5270	Bridge	Yes	1988	1988	74	FO

Table 24: Structures Eligible for Federal Bridge Rehabilitation Funds in the Richmond Region

Jurisdiction	Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))
Chesterfield County	1612	ELLIHAM AVENUE	CSX RAILWAY	VDOT	5351	Bridge	Yes	1965	1965	67	FO
New Kent County	155	S. COURTHOUSE ROAD	CHICKAHOMINY RIVER CANAL	VDOT	28065	Bridge	Yes	2005	2005	75	FO
Chesterfield County	653	Qualla Rd.	SWIFT CREEK	VDOT	5302	Bridge	Yes	1960	2013	62	FO
Richmond	95	ROUTE 0095 (0064)	HERMITAGE ROAD	VDOT	21451	Bridge	Yes	1958	2013	64	FO
Chesterfield County	604	Genito Road	PEDESTRIAN WALKWAY	VDOT	5240	Culvert	No	1981	2013	73	FO
Richmond	95	ROUTE 0095 (0064)	ROBINHOOD ROAD	VDOT	21449	Bridge	Yes	1958	2013	61	FO
Richmond	95	Interstate-95/I-64	ROUTE 161 (BOULEVARD)	VDOT	21453	Bridge	Yes	1958	2012	66	FO
Richmond	95	Interstate 95	WESTWOOD AVENUE	VDOT	21457	Bridge	Yes	1958	2012	64	FO
Goochland County	622	Rockville road	ANDERSON CREEK	VDOT	8637	Culvert	No	1971	1971	72	SD
Hanover County	691	CANTERBURY ROAD	TAYLORS CREEK	VDOT	25558	Bridge	Yes	1998	1998	80	FO
Hanover County	615	CREIGHTON ROAD	CHICKAHOMINY RIVER	VDOT	9491	Bridge	Yes	1956	2012	72	FO
Powhatan County	714	Winterfield Road	ROBERTS BRANCH	VDOT	29185	Bridge	No	2007	2007	79	FO
Henrico County	0	NEW OSBORNE TURNPK	ALMOND CREEK	Henrico County	9646	Culvert	Yes	1901	1970	77	FO
Chesterfield County	625	Branders Bridge Rd	SWIFT CREEK	VDOT	5259	Bridge	Yes	1966	2005	78	FO
Henrico County	0	WOODMAN ROAD	STREAM	Henrico County	9658	Culvert	Yes	1955	1955	80	FO
Henrico County		ACCESS ROAD	UPHAM BROOK	Henrico County	9603	Bridge	Yes	1962	1962	68	FO
Henrico County	0	QUIOCCASIN ROAD	SHOPPING CENTER ROAD	Henrico County	9674	Bridge	Yes	1975	1975	65	FO
Richmond	0	HAXALL POINT	HAXALL CANAL	City of Richmond	29092	Bridge	Yes	2005	2005	74	FO
Richmond	0	WALMSLEY BOULEVARD	POCOSHAM CREEK	City of Richmond	21273	Bridge	Yes	1968	1968	56	FO
Richmond	0	FOREST HILL AVENUE	ROUTE 76 & POWHITE CREEK	RMTA	21295	Bridge	Yes	1972	1972	66	FO
Richmond	0	ALLEN AVENUE	ROUTE 195 EXPRESSWAY	RMTA	21329	Bridge	Yes	1975	1975	79	FO
Richmond	0	HARRISON STREET	ROUTE 195 EXPRESSWAY	RMTA	21333	Bridge	Yes	1975	1975	76	FO
Richmond	0	CHERRY STREET	ROUTE 195 EXPRESSWAY	RMTA	21335	Bridge	Yes	1975	1975	79	FO
Richmond	0	5TH STREET	CLAY STREET	City of Richmond	21368	Bridge	Yes	1971	1971	78	FO
Richmond	0	7TH STREET	CLAY STREET	City of Richmond	21372	Bridge	Yes	1971	1971	78	FO
Richmond	60	FOREST HILL AVENUE	REEDY CREEK	City of Richmond	21415	Bridge	Yes	1977	1977	78	FO
Richmond	0	OAKWOOD CEMETERY RO	UNNAMED TRIB	City of Richmond	29945	Bridge	Yes	1920	1920	74	FO
Richmond	0	2ND STREET	ROUTE 195 EXPRESSWAY	RMTA	21341	Bridge	Yes	1975	1975	75	FO
Richmond	0	7TH STREET	ROUTE 195 EXPRESSWAY	RMTA	21349	Bridge	Yes	1975	1975	67	FO
Richmond	0	RIVERSIDE DRIVE	RATTLESNAKE CREEK	City of Richmond	21274	Bridge	No	1950	1998	64	FO
Richmond	0	COMMERCE ROAD	GOODES CREEK	City of Richmond	21360	Bridge	Yes	1940	1940	50	SD
Richmond	0	COLUMBIA STREET	BROAD ROCK CREEK	City of Richmond	21359	Bridge	Yes	1947	1947	50	FO
Richmond	0	EAST RICHMOND ROAD	GILLIES CREEK	City of Richmond	21378	Bridge	Yes	1932	1932	51	SD

Table 24: Structures Eligible for Federal Bridge Rehabilitation Funds in the Richmond Region

Jurisdiction	Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))
Richmond	0	EAST RICHMOND ROAD	STONEY RUN	City of Richmond	21379	Bridge	Yes	1932	1932	65	FO
Richmond	1	SBL BELVIDERE ST	BROOK ROAD & CSX RAILWAY	City of Richmond	21386	Bridge	Yes	1958	1958	71	FO
Richmond	1	NBL BELVIDERE ST	BROOK ROAD & CSX RAILWAY	City of Richmond	21388	Bridge	Yes	1958	1958	70	FO
Richmond	60	MIDLOTHIAN TURNPIK	ROUTE 161 BELT BOULEVARD	City of Richmond	21407	Bridge	Yes	1953	1961	64	FO
Richmond	60	MIDLOTHIAN TURNPIK	CSX RAILWAY	City of Richmond	21409	Bridge	Yes	1954	1954	63	FO
Richmond	195	SBL DOWNTOWN EXPWY	RTE 195 NBL & 12TH ST	RMTA	21544	Bridge	Yes	1975	1994	67	FO

Richmond Regional Bridge and Culvert Inventory

&

Structural Assessment Report

2015 Update

Appendices

Appendix A.

Jurisdictional Level List and Map of all Bridges and Culverts

Town of Ashland

- Map A1: Bridges & Culverts in the Town of Ashland
- Table A1: VDOT list of Structures (Bridges and Culverts) in the Town of Ashland

Charles City County

- Map A2: Bridges & Culverts in Charles City County
- Table A2: VDOT list of Structures (Bridges and Culverts) in Charles City County

Chesterfield County

- Map A3: Bridges & Culverts in Chesterfield County
- Table A3: VDOT list of Structures (Bridges and Culverts) in Chesterfield County

Goochland County

- Map A4: Bridges & Culverts in Goochland County
- Table A4: VDOT list of Structures (Bridges and Culverts) in Goochland County

Hanover County

- Map A5: Bridges & Culverts in Hanover County
- Table A5: VDOT list of Structures (Bridges and Culverts) in Hanover County

Henrico County

- Map A6: Bridges & Culverts in Henrico County
- Table A6: VDOT list of Structures (Bridges and Culverts) in Henrico County

New Kent County

- Map A7: Bridges & Culverts in New Kent County
- Table A7: VDOT list of Structures (Bridges and Culverts) in New Kent County

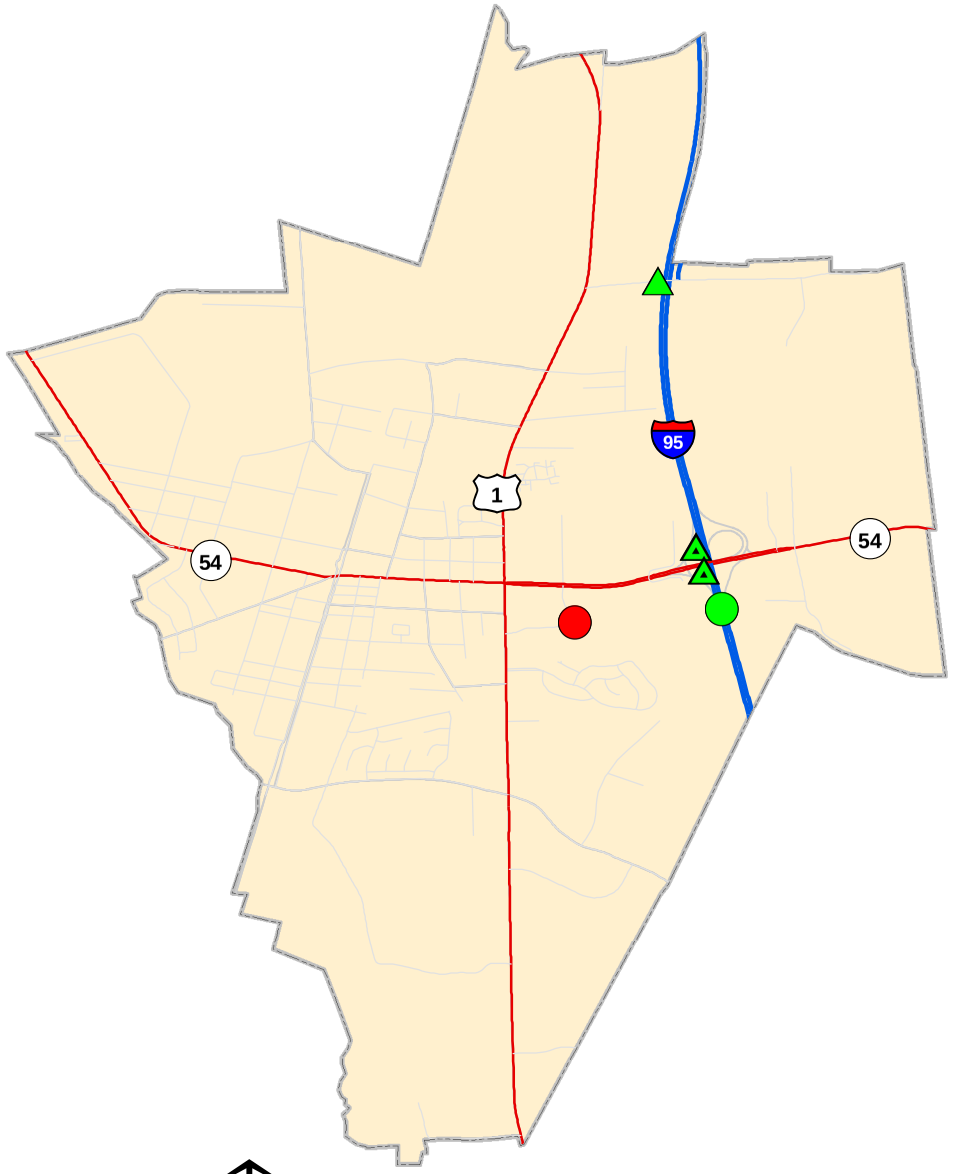
Powhatan County

- Map A8: Bridges & Culverts in Powhatan County
- Table A8: VDOT list of Structures (Bridges and Culverts) in Powhatan County

City of Richmond

- Map A9: Bridges & Culverts in the City of Richmond
- Table A9: VDOT list of Structures (Bridges and Culverts) in the City of Richmond

Map A1: Bridges & Culverts in the Town of Ashland



Legend

Town of Ashland Owned Culvert

- Culvert

VDOT Owned Bridges & Culverts

- Bridge Eligible for Rehabilitation
- Other Bridges
- Other Culverts
- Interstate
- Primary
- Secondary
- Jurisdictional Boundary

Miles
0 0.5 1

N

Note : 1 Culvert along Route 54 could not be mapped

Source: VDOT Online dashboard 1/15/2015

RICHMOND AREA

This page intentionally left blank

Table A1: VDOT list of Structures (Bridges and Culverts) in the Town of Ashland

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
54	WBL PATRICK HENRY	INTERSTATE 95	VDOT	9390	Bridge	Yes	1961	2003	65	FO		Yes		8/14/2013	217.8	44	2150	Primary
54	Patrick Henry EBL	INTERSTATE 95	VDOT	9388	Bridge	Yes	1961	1991	65	FO		Yes		1/21/2013	217.8	33.1	2150	Primary
95	ROUTE 0095	MECHUMPS CREEK	VDOT	9397	Culvert	No	1959	1959	70					12/6/2011	18	214	112210	Interstate
54	E.PATRICK HENRY RD	STREAM	VDOT	9382	Culvert	No	1959	1959	72					12/18/2013	5.9	129	4301	Primary
698	JAMESTOWN ROAD	RTE I 95	VDOT	9573	Bridge	Yes	1963	1963	74					1/28/2013	252	28.9	546	Urban
0	COTTAGE GREEN DR.	MECHUMPS CREEK	Town of Ashland	23357	Culvert	Yes	1989	1989	85					3/26/2014	21	150	1000	Urban

Note : Structures listed in ascending order of Sufficiency Ratings

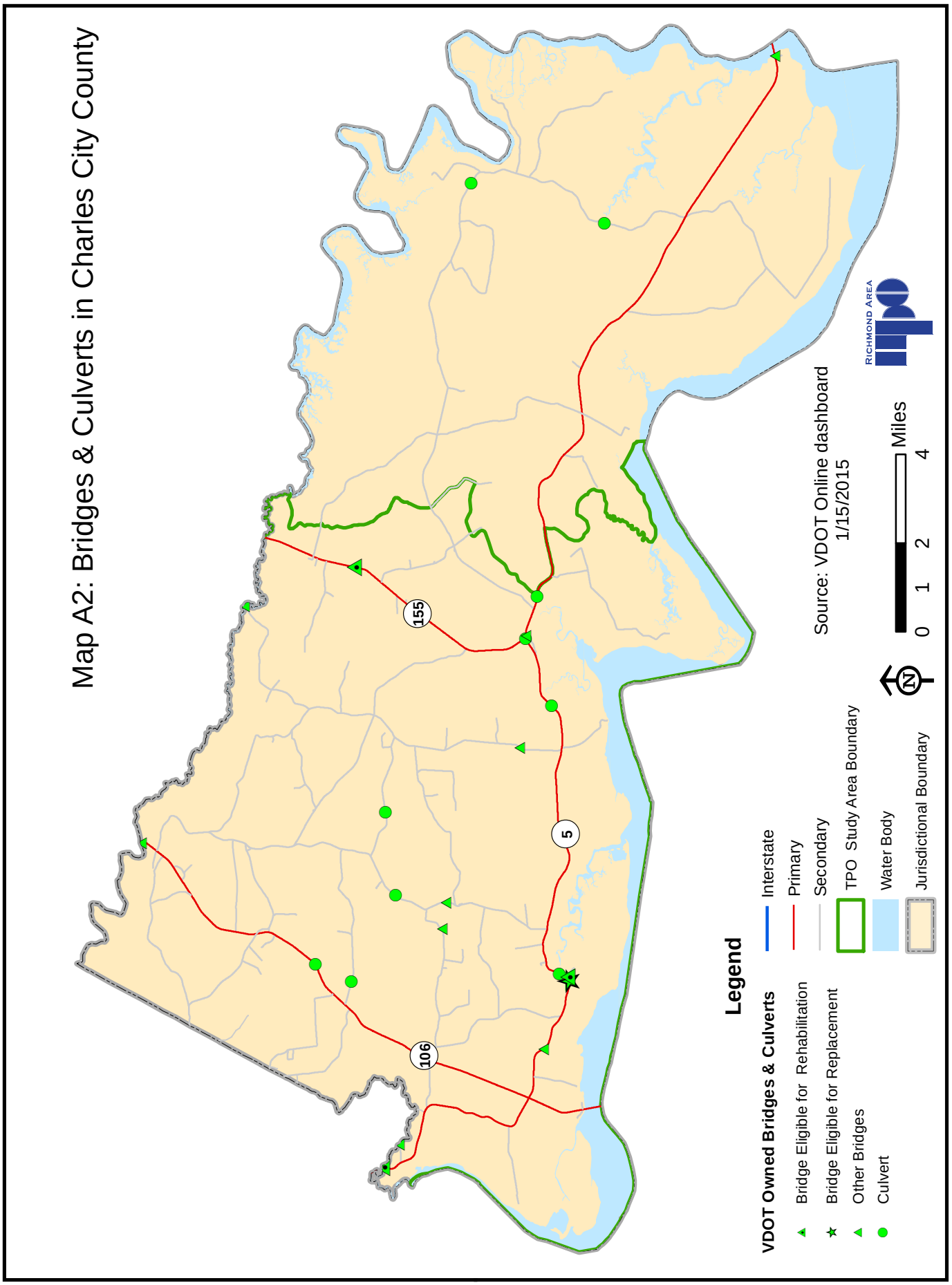
Deficient Structure with Sufficiency Rating 0 - 49.9 highlighted in red.

Deficient Structure with Sufficiency Rating 50-80 highlighted in green.

Source : VDOT online listing of Bridges by District

URL : http://dashboard.virginiadot.org/Pages/Maintenance/AdvancedBridgeReport.aspx?districtCode=4

This page intentionally left blank


Map A2: Bridges & Culverts in Charles City County
155
5
106
Legend
VDOT Owned Bridges & Culverts
Bridge Eligible for Rehabilitation
Bridge Eligible for Replacement
Other Bridges
Culvert
Interstate
Primary
Secondary
TPO Study Area Boundary
Water Body
Jurisdictional Boundary
N
0 1 2 4
Miles
Source: VDOT Online dashboard
1/15/2015
RICHMOND AREA
TPO

This page intentionally left blank

Table A2: VDOT list of Structures (Bridges and Culverts) in Charles City County

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
5	JOHN TYLER MEM HWY	HERRING CREEK	VDOT	4796	Bridge	Yes	1953	1989	42	SD	Yes		Posted	9/5/2014	100.1	28.1	2639	Primary
155	COURTHOUSE ROAD	COLLINS RUN	VDOT	4807	Bridge	No	1931	1986	54	FO		Yes	Posted	5/29/2014	18	24.9	1705	Primary
5	JOHN TYLER MEM HWY	TURKEY ISLAND CREEK	VDOT	4802	Bridge	Yes	1951	1951	57	FO		Yes		8/15/2013	45.9	30.8	2323	Primary
607	STEEL TRAP ROAD	WEST RUN	VDOT	4809	Bridge	Yes	1959	1988	59				Posted	7/31/2014	32.2	24	552	Secondary
640	HERRING CREEK ROAD	HERRING CREEK	VDOT	4819	Bridge	Yes	1930	1991	78	SD		Yes		7/30/2014	32.2	21	97	Secondary
618	ADKINS ROAD	CHICKAHOMINY RIVER	VDOT	4815	Bridge	Yes	1959	2013	82					2/11/2014	208	26.9	1119	Secondary
618	ADKINS ROAD	GUNNS RUN	VDOT	27575	Bridge	Yes	2005	2005	84					5/9/2013	52.5	21	217	Secondary
609	BARNETTS ROAD	EAST RUN	VDOT	25634	Bridge	Yes	2002	2002	84					7/31/2014	105	28.9	567	Secondary
606	CARTER'S MILL ROAD	TURKEY ISLAND CREEK	VDOT	4808	Bridge	Yes	1972	1972	87					8/15/2013	51.8	29.9	29	Secondary
5	JOHN TYLER MEM HWY	CHICKAHOMINY RIVER @	VDOT	28011	Bridge	Yes	2009	2009	87					7/29/2013	2549.9	56.4	2638	Primary
5	JOHN TYLER MEM HWY	GUNNS RUN	VDOT	4799	Culvert	Yes	1954	1954	88					10/27/2014	30.8	50	2287	Primary
106	ROXBURY ROAD	WEST RUN	VDOT	4804	Culvert	Yes	1972	1972	88					1/15/2014	44	51	2134	Primary
5	JOHN TYLER MEM HWY	HERRING CREEK	VDOT	4800	Culvert	Yes	1957	2009	90					1/15/2014	26.9	73	2639	Primary
5	JOHN TLYER MEM HWY	PENNYS CREEK	VDOT	4797	Culvert	No	1958	1958	92					11/2/2011	5.9	84	2638	Primary
5	JOHN TYLER MEM HWY	PARRISH HILL CREEK	VDOT	4798	Culvert	Yes	1958	1958	94					10/29/2013	24	135	2170	Primary
5	JOHN TYLER MEM HWY	COURTHOUSE CREEK	VDOT	25559	Bridge	Yes	1998	1998	94					7/16/2014	65	59.4	2170	Primary
620	LEWIS TYLER LA	EAST RUN	VDOT	4816	Culvert	Yes	1968	1968	97					1/15/2014	30.8	37	464	Secondary
615	THE GLEBE LANE	BARROW CREEK	VDOT	4813	Culvert	Yes	1965	1965	98					10/27/2014	30.8	58	551	Secondary
623	WILLCOX NECK	MORRIS CREEK	VDOT	4817	Culvert	Yes	1963	1963	98					11/5/2014	39	59	478	Secondary
623	WILLCOX NECK ROAD	TOMAHUND CREEK	VDOT	4818	Culvert	No	1950	1950	99					11/2/2011	17.1	26	260	Secondary
155	S. COURTHOUSE ROAD	COURTHOUSE CREEK	VDOT	4806	Culvert	Yes	1931	1931	99					10/27/2014	21	62	1576	Primary
614	STURGEON POINT RD	COLLINS RUN	VDOT	27056	Culvert	No	1952	1952	99					10/23/2013	18	25	910	Secondary
106	ROXBURY ROAD	POSSUM RUN CREEK	VDOT	4803	Culvert	No	1980	1980	99					11/2/2011	9.8	68	2738	Primary
5	JOHN TLYER MEM HWY	KIMAGES CREEK	VDOT	27195	Bridge	Yes	2002	2002	99					4/8/2014	56.1	45.6	2639	Primary
106	ROXBURY ROAD	CHICKAHOMINY RIVER	VDOT	25710	Bridge	Yes	2001	2001	99					7/23/2013	255.9	45.3	2738	Primary
609	BARNETTS ROAD	SALEM RUN	VDOT	4811	Culvert	Yes	1973	1973	100					1/15/2014	24.9	40	696	Secondary
609	BARNETTS ROAD	BRANCH WEST RUN	VDOT	4812	Culvert	No	1990	1990	100					3/14/2013	14.1	79	464	Secondary
609	BARNETTS ROAD	POSSUM RUN	VDOT	26595	Culvert	No	1957	1957	100					10/18/2012	16.1	47	1664	Secondary
650	CATTAIL ROAD	WEST RUN	VDOT	4820	Culvert	Yes	1970	1970	100					1/15/2014	30.8	50	360	Secondary

Note : Structures listed in ascending order of Sufficiency Ratings

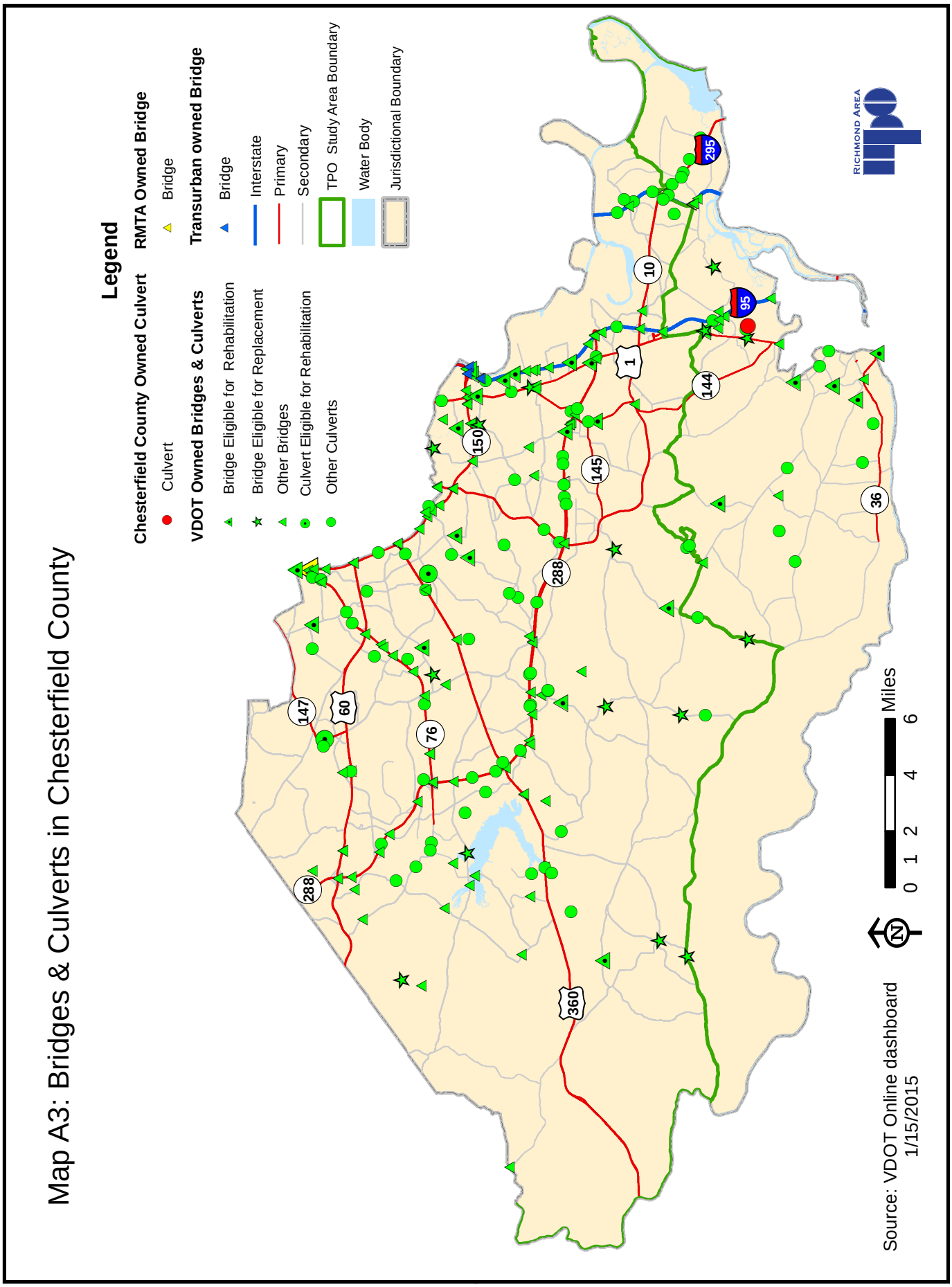
Deficient Structure with Sufficiency Rating 0 - 49.9 highlighted in red.

Deficient Structure with Sufficiency Rating 50-80 highlighted in green.

Source : VDOT online listing of Bridges by District

URL : http://dashboard.virginiadot.org/Pages/Maintenance/AdvancedBridgeReport.aspx?districtCode=4

This page intentionally left blank


Map A3: Bridges & Culverts in Chesterfield County
Legend
Chesterfield County Owned Culvert
Culvert
RMTA Owned Bridge
Bridge
VDOT Owned Bridges & Culverts
Bridge Eligible for Rehabilitation
Bridge Eligible for Replacement
Other Bridges
Culvert Eligible for Rehabilitation
Other Culverts
Transurban owned Bridge
Bridge
Interstate
Primary
Secondary
TPO Study Area Boundary
Water Body
Jurisdictional Boundary
RICHMOND AREA MPO
0 1 2 4 6
Miles
N
Source: VDOT Online dashboard
1/15/2015

This page intentionally left blank

Table A3: VDOT list of Structures (Bridges and Culverts) in Chesterfield County

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
746	Ruffins Mill Road	ASHTON CREEK	VDOT	5342	Bridge	No	1950	1996	6	SD	Yes		Posted	8/27/2014	19.8	20	3726	Secondary
604	Genito Road	TOMAHAWK CREEK	VDOT	5238	Bridge	Yes	1939	1939	7	SD	Yes		Posted	10/21/2014	45.9	20	8804	Secondary
654	Spring Run Road	THIRD BRANCH	VDOT	5306	Bridge	No	1940	2001	11	SD	Yes		Posted	9/26/2014	21	24.6	2496	Secondary
603	Winterpock Road	WINTERPOCK CREEK	VDOT	5232	Bridge	Yes	1945	2006	21	SD	Yes		Posted	9/26/2014	23	20.3	407	Secondary
602	River Road	WINTERPOCK CREEK	VDOT	5231	Bridge	Yes	1960	1960	23	FO	Yes		Posted	10/8/2014	42	21	1606	Secondary
606	Mt. Hermon Road	SWIFT CREEK	VDOT	5243	Bridge	Yes	1972	1972	26	SD	Yes		Posted	8/28/2014	46.9	20	237	Secondary
1	Jeff Davis Highway	BRANCH OF ASHTON CREEK	VDOT	4993	Bridge	No	1928	1928	28	SD	Yes			1/31/2014	9.8	64	17072	Primary
654	Bundle Road	SECOND BRANCH	VDOT	5305	Bridge	Yes	1974	2007	32	FO	Yes		Posted	3/20/2014	32.2	21	1789	Secondary
1	Jefferson Davis HY	CSX TRANSPORTATION	VDOT	4986	Bridge	Yes	1934	1970	33	SD	Yes			3/31/2014	187	45.9	22153	Primary
641	Dundas Road	CSX TRNS & USDGSC SERVIC	VDOT	5280	Bridge	Yes	1951	1961	34	SD	Yes			6/12/2014	274	23.6	5636	Secondary
655	BEACH ROAD	SWIFT CREEK	VDOT	5309	Bridge	Yes	1972	1972	39	SD	Yes			1/24/2014	174.9	34.1	15782	Secondary
678	West Providence Rd	BRANCH OF FALLING CREEK	VDOT	5328	Bridge	Yes	1947	1947	42	SD	Yes			10/16/2014	23	25.6	7077	Secondary
637	Hopkins Rd.	FALLING CREEK	VDOT	5272	Bridge	Yes	1952	1952	42	SD	Yes			2/25/2014	50.9	24	5435	Secondary
780	Lush Forest Trail	FIRST BRANCH	VDOT	5346	Bridge	No	1950	2007	42	FO	Yes		Posted	6/26/2014	21	20	342	Secondary
2657	South Belmont Road	POCOSHOCK CREEK	VDOT	5359	Bridge	Yes	1943	1943	46					10/27/2014	33.1	25.6	200	Secondary
1	Jeff Davis Highway	TINSBERRY CREEK	VDOT	4995	Bridge	Yes	1928	1928	48	FO	Yes			11/4/2014	23	47.9	20054	Primary
636	Nash Road	RITA BRANCH	VDOT	5271	Bridge	No	1951	1951	49	SD	Yes		Posted	7/28/2014	19.7	22.6	2269	Secondary
95	Interstate-95	RTE 608 (REYMET RD)	VDOT	5058	Bridge	Yes	1958	1990	51	SD		Yes		5/30/2014	75.1	124	96759	Interstate
150	ROUTE 0150 EBL	NS RAILWAY	VDOT	5141	Bridge	Yes	1972	1972	53	SD		Yes		4/15/2014	139.7	35.1	25852	Primary
641	Beulah Road	KINGSLAND CREEK	VDOT	5279	Culvert	Yes	1973	2008	55					12/8/2014	42	80	6693	Secondary
10	Iron Bridge Road	KINGSLAND CREEK	VDOT	5003	Culvert	No	1957	1957	58					8/5/2014	7.9	128	28201	Primary
150	Chippenham Parkway	POCOSHAM CREEK	VDOT	5115	Culvert	Yes	1968	1968	59					2/25/2013	42	197	73758	Primary
631	Bradley Bridge Rd.	SWIFT CREEK	VDOT	5268	Bridge	Yes	1964	1964	59	FO		Yes		8/29/2014	143	25.9	5337	Secondary
360	Hull Street Road	NUTTREE BRANCH	VDOT	5228	Culvert	Yes	1957	1990	59					3/27/2013	35.1	206	37707	Primary
1	Jeff Davis Hwy	ASHTON CREEK	VDOT	4994	Bridge	Yes	1928	2001	59	SD		Yes		8/28/2014	22	64	17072	Primary
60	ROUTE 0060	POCOSHOCK CREEK	VDOT	5013	Culvert	No	1958	1988	60					4/11/2013	5.9	195	52139	Primary
95	Interstate-95	ASHTON CREEK	VDOT	5051	Culvert	Yes	1957	1977	60					7/29/2014	35.1	202	88487	Interstate
144	Chester Road	HAMBLIN CREEK	VDOT	5100	Bridge	Yes	1949	1949	61	FO		Yes		9/12/2013	45.9	29.2	11257	Primary
95	Interstate-95	OLD TEXACO ROAD	VDOT	5075	Bridge	Yes	1958	1996	62	FO		Yes		9/24/2014	24	133.2	87998	Interstate
653	Qualla Rd.	SWIFT CREEK	VDOT	5302	Bridge	Yes	1960	2013	62	FO		Yes		8/15/2013	146	27	8197	Secondary
627	Woodpecker Road	OLD TOWN CREEK	VDOT	5263	Bridge	Yes	1950	1964	63	FO		Yes		9/22/2014	22	28.2	2899	Secondary
1	Jeff Davis Highway	UNNAMED TRIB	VDOT	4992	Culvert	Yes	1958	1958	64					4/3/2013	22	95	22153	Primary
150	WBL ROUTE 0150	NS RAILWAY	VDOT	5140	Bridge	Yes	1968	1968	64	FO		Yes		4/10/2013	139.7	35.1	25852	Primary
1	Jefferson Davis Hy	PROCTORS CREEK	VDOT	4988	Bridge	Yes	1923	2000	64	FO		Yes		9/9/2013	33.1	53.1	18841	Primary
95	Interstate-95	SHELL ROAD	VDOT	5083	Bridge	No	1958	1984	65	FO		Yes		9/29/2014	17.1	136.2	99025	Interstate
643	Turner Road	FALLING CREEK	VDOT	5282	Bridge	Yes	1960	1960	65	FO		Yes		2/27/2014	145	27.2	5242	Secondary
638	Cogbill Road	FALLING CREEK	VDOT	5277	Bridge	Yes	1938	1982	66	FO		Yes		7/19/2013	65	29.2	5351	Secondary

Table A3: VDOT list of Structures (Bridges and Culverts) in Chesterfield County

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
1	Jeff Davis Highway	KINGSLAND CREEK	VDOT	4987	Bridge	Yes	1934	1971	66					9/10/2013	33.1	56.4	18841	Primary
678	Buford Road	SOUTHERN RAILWAY	VDOT	5330	Bridge	Yes	1983	1983	66	FO		Yes		8/29/2013	152.9	42	13030	Secondary
1612	ELLIHAM AVENUE	CSX RAILWAY	VDOT	5351	Bridge	Yes	1965	1965	67	FO		Yes		8/30/2013	178.1	36.1	494	Secondary
95	Interstate 95	BELLWOOD BRANCH	VDOT	5085	Culvert	Yes	1958	1977	68					7/29/2014	33.1	218	99025	Interstate
150	Route 150 EBL	INTERSTATE 95 & RAMP B	VDOT	5088	Bridge	Yes	1978	1991	68	FO		Yes		1/23/2013	1034.1	40	28702	Primary
647	Walmsley Blvd.	POCOSHOCK CREEK	VDOT	5283	Culvert	Yes	1980	1980	68	SD		Yes		12/19/2014	49.9	69	14425	Secondary
651	Belmont Road	POCOSHOCK CREEK	VDOT	5293	Culvert	Yes	1980	1980	69					2/25/2013	77.1	82	14773	Secondary
95	I-95 NBL Ramp-B	INTERSTATE 95	VDOT	5094	Bridge	Yes	1978	1993	69	FO		Yes		1/23/2013	253	32.2	87998	Interstate
10	East Hundred road	JOHNSON CREEK	VDOT	4999	Culvert	Yes	1965	1965	69					7/18/2013	34.1	144	20375	Primary
1	Jeff Davis Highway	GRINDALL CREEK	VDOT	4991	Culvert	Yes	1956	1956	70					4/3/2013	36.1	126	20754	Primary
150	CHIPPENHAM PARKWAY	GRINDALLS CREEK	VDOT	5091	Culvert	No	1978	2002	70					1/5/2015	7.9	260	57405	Primary
150	CHIPPENHAM PARKWAY	GRINDALLS CREEK	VDOT	5050	Culvert	No	1958	2002	70					1/5/2015	8.9	260	57405	Primary
60	Midlothian Turnpik	UNNAMED TRIB	VDOT	5016	Culvert	No	1959	1959	70					7/9/2013	9.8	116	30108	Primary
76	Powhite Parkway	STREAM	VDOT	5047	Culvert	No	1988	1988	70					10/23/2012	12.1	171	49345	Primary
95	Interstate-95	REDWATER CREEK	VDOT	5090	Culvert	Yes	1958	1977	70					3/11/2014	21	200	106197	Interstate
150	ROUTE 0150	STREAM	VDOT	5113	Culvert	No	1965	1965	70					3/8/2013	8.8	269	56233	Primary
288	RTE 288 & SB CD RD	BRANCH OF MICHAUX CREEK	VDOT	29187	Culvert	No	2003	2008	70					4/4/2013	19	250	35852	Primary
288	Route 288 SBL	STREAM	VDOT	5161	Culvert	No	1990	1990	70					8/6/2014	15.1	136	23823	Primary
95	Interstate-95	REEDY CREEK	VDOT	5052	Culvert	No	1957	1977	71					11/4/2014	9.8	239	88487	Interstate
10	Iron Bridge Road	BR PROCTOR CREEK	VDOT	5002	Culvert	Yes	1959	1993	72					3/20/2013	24	211	28201	Primary
95	Interstate-95	PROCTORS CREEK	VDOT	5057	Bridge	Yes	1958	1989	72					3/20/2014	75.1	135.9	96759	Interstate
95	ROUTE 0095	RTE 616 (OSBORNE RD)	VDOT	5055	Bridge	Yes	1958	1990	72					5/29/2013	75.1	124	106197	Interstate
147	ROUTE 0147	UNNAMED TRIBUTARY	VDOT	5104	Culvert	Yes	1950	1985	72	SD		Yes		1/6/2015	28.9	108	41184	Primary
150	Chippenham Parkway	HUGHES SPRING BRANCH	VDOT	5114	Culvert	No	1968	1968	73					7/16/2013	7.9	180	66579	Primary
604	Genito Road	PEDESTRIAN WALKWAY	VDOT	5240	Culvert	No	1981	2013	73	FO		Yes		3/19/2013	13.1	80	12175	Secondary
637	Hopkins Rd.	ROUTE 150	VDOT	5275	Bridge	Yes	1976	1976	74					7/23/2013	226	87.9	27432	Secondary
150	Route 150 EBL	TEXACO RD & DUPONT CHAN	VDOT	5092	Bridge	Yes	1978	1993	74					1/22/2013	189	40	28702	Primary
95	Interstate-95	KINGSLAND CREEK	VDOT	5062	Bridge	Yes	1958	1998	74					8/5/2014	220.5	124	99025	Interstate
636	Nash Road	FIRST BRANCH	VDOT	5270	Bridge	Yes	1988	1988	74	FO		Yes		4/3/2014	83	29.9	8297	Secondary
655	Beach Road	WINTERPOCK CREEK	VDOT	5310	Bridge	No	1947	1947	75	FO		Yes		8/19/2014	23	25.3	1392	Secondary
10	NBL ROUTE 0010	FALLING CREEK	VDOT	5008	Bridge	Yes	1985	1985	75					6/4/2013	149.9	40.4	6239	Primary
76	Powhite Parkway	UNNAMED TRIBUTARY	VDOT	5042	Culvert	Yes	1988	1988	75					10/2/2014	44	322	31799	Primary
36	Chesterfield Ave.	APPOMATTOX RIVER	VDOT	5011	Bridge	Yes	1961	1961	76	FO		Yes		7/15/2013	100.1	38.1	7323	Primary
628	Hickory Road	OLD TOWN CREEK	VDOT	5266	Bridge	No	1948	1964	76	FO		Yes		3/4/2013	20	27.9	3402	Secondary
76	Powhite Parkway	BR. OF FALLING CREEK	VDOT	5041	Culvert	No	1988	1988	76					10/2/2014	26.5	188	28547	Primary
95	ROUTE 0095	SWIFT CREEK	VDOT	5099	Bridge	Yes	1958	1994	77					9/5/2013	252	124	91961	Interstate
637	Hopkins Road	PROCTORS CREEK	VDOT	24810	Bridge	Yes	1997	1997	77	FO		Yes		12/31/2014	32.2	27.9	7208	Secondary

Table A3: VDOT list of Structures (Bridges and Culverts) in Chesterfield County

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
10	East Hundred Road	BRANCH OF JOHNSON CREEK	VDOT	5006	Culvert	Yes	1965	2011	78					7/18/2013	26.9	120	25544	Primary
150	Chippenham Pkwy EB	CSX TRANS & STRATHMOR RD	VDOT	5127	Bridge	Yes	1976	2002	78					10/6/2014	202.1	56.1	28116	Primary
686	Jahnke Road	POWHITE CREEK	VDOT	5332	Culvert	Yes	1988	1988	78					10/21/2014	101	222	16119	Secondary
724	Spruce Ave.	JOHNSON CREEK	VDOT	23260	Culvert	Yes	1991	1991	78					11/7/2014	25.9	50	281	Secondary
360	Hull Street	STREAM	VDOT	5226	Culvert	No	1954	1954	78					7/16/2013	5.9	102	35677	Primary
36	RIVER ROAD	CSX TRANSPORTATION	VDOT	5010	Bridge	Yes	1990	1990	78					4/30/2014	164	84	7485	Primary
295	Interstate-295	STREAM	VDOT	5216	Culvert	Yes	1987	1987	78					4/2/2014	26.9	257	34944	Interstate
649	Newby's Bridge Rd.	FALLING CREEK	VDOT	5286	Bridge	Yes	1971	1971	78					12/17/2013	91.9	31.8	4336	Secondary
295	Interstate-295	STREAM	VDOT	5214	Culvert	Yes	1990	1990	78					4/2/2014	42	252	34944	Interstate
625	Branders Bridge Rd	SWIFT CREEK	VDOT	5259	Bridge	Yes	1966	2005	78	FO		Yes		4/1/2014	183.1	29.9	2202	Secondary
76	Route 76	ROUTE 678 (BUFORD ROAD)	VDOT	5030	Bridge	Yes	1988	1988	79					7/17/2014	104	79.7	44715	Primary
678	West Providence Rd	BEAVER POND CREEK	VDOT	5327	Bridge	Yes	1947	2007	79	FO		Yes		10/18/2013	23	25.9	6887	Secondary
147	Huguenot Road	STREAM	VDOT	5103	Culvert	No	1955	1955	79					3/19/2012	11.2	104	40985	Primary
288	Route 288	CATTLE RUN CREEK	VDOT	5175	Culvert	Yes	1989	1989	79					9/9/2013	24	315	33532	Primary
288	Route 288	NUTTREE BRANCH	VDOT	5169	Culvert	Yes	1988	1988	79					8/6/2014	42	230	41630	Primary
295	Interstate-295	I-295 LOOP-C OVER STREAM	VDOT	5219	Culvert	Yes	1987	1987	79					4/3/2014	47.9	384	33921	Interstate
76	Powhite Pkwy WBL	LONG BRANCH	VDOT	5049	Culvert	Yes	1988	1988	79					10/21/2014	34.1	162	24672	Primary
295	Interstate-295	STREAM	VDOT	5215	Culvert	Yes	1987	1987	79					4/2/2014	25.9	213	34944	Interstate
10	Route 10	RAMPS C&D OVR STREAM	VDOT	5007	Culvert	Yes	1990	1990	80					6/27/2014	24	365	39169	Primary
76	Powhite parkway	POWHITE CREEK	VDOT	5046	Culvert	Yes	1988	1988	80					10/2/2014	44.9	381	44715	Primary
651	Belmont Road	FALLING CREEK	VDOT	5290	Bridge	Yes	1980	1980	80	FO		Yes		12/17/2013	123	34.1	7837	Secondary
360	HULL STREET ROAD	DRY CREEK	VDOT	5223	Bridge	Yes	1928	1985	80					7/31/2013	39	46.3	21409	Primary
288	Route 288	PROCTORS CREEK	VDOT	5201	Culvert	Yes	1990	1990	80					6/4/2014	59.1	558	39348	Primary
653	Courthouse Road	FALLING CREEK	VDOT	24056	Bridge	Yes	1994	1994	80					8/15/2014	103	99.7	34345	Secondary
651	Route 651	ROUTE 288	VDOT	5287	Bridge	Yes	1990	1990	80					4/17/2014	432.1	32.2	4275	Secondary
3600	Woodlake Parkway	WEST BRANCH CREEK	VDOT	26170	Culvert	Yes	1983	2010	80					10/7/2014	49.9	70	14297	Secondary
288	Route 288	TRIB. OF NUTTREE BRANCH	VDOT	5170	Culvert	Yes	1988	1988	80					8/6/2014	33.1	314	41630	Primary
288	Route 288	PROCTORS CREEK	VDOT	5202	Culvert	Yes	1990	1990	80					5/20/2014	34.1	300	39348	Primary
150	Chippenham Pkwy	CSX TRANSPORTATION	VDOT	27246	Bridge	Yes	2002	2002	80					9/30/2014	173.9	135.5	57405	Primary
1	NBL JEFF DAVIS HWY	FALLING CREEK	VDOT	24940	Bridge	Yes	1997	1997	80	FO		Yes		1/31/2013	182	31.3	11076	Primary
950	CHARTER COLNY PKWY	PEDESTRIAN WALKWAY	VDOT	28469	Culvert	No	2003	2006	80					10/16/2014	9.8	121	8000	Secondary
76	Route 76	BRANCH OF POWHITE CREEK	VDOT	5045	Culvert	Yes	1988	1988	80					5/27/2014	28.9	258	44715	Primary
637	Hopkins Road	KINGSLAND CREEK	VDOT	23859	Bridge	Yes	1993	1993	80					12/19/2013	202.1	33.1	8826	Secondary
288	Route 288	BRANCH OF PROCTORS CREEK	VDOT	5204	Culvert	Yes	1990	1990	80					5/20/2014	62	262	39348	Primary
288	Rte 288 & Ramp B&D	Proctors Creek	VDOT	5203	Culvert	Yes	1990	1990	81					9/4/2014	35.1	270	38347	Primary
288	Route 288	Nuttree Branch	VDOT	5159	Culvert	Yes	1990	1990	81					4/28/2014	94.2	538	37705	Primary
288	Route 288	STREAM	VDOT	5148	Culvert	No	1990	1990	81					5/7/2012	7.9	310	37705	Primary

Table A3: VDOT list of Structures (Bridges and Culverts) in Chesterfield County

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
95	Interstate-95	RTE 656 (BELLWOOD RD.)	VDOT	5066	Bridge	Yes	1958	1998	81	FO				8/19/2014	108	124	99025	Interstate
1	Jeff. Davis &Rmp A	CATTLE RUN CREEK	VDOT	4998	Culvert	No	1989	1989	81					2/4/2014	19	278	24570	Primary
95	Interstate-95	TEXACO RD & DUPONT CHAN	VDOT	5079	Bridge	Yes	1958	1996	81	FO				9/30/2014	74.1	124	87998	Interstate
76	WBL POWHITE PARKWY	RTE 150 CHIPPENHAM PKWAY	RMTA	5022	Bridge	Yes	1972	1988	81					10/31/2013	204.1	61	24672	Primary
288	Route 288 NBL	unnamed tributary	VDOT	5206	Culvert	No	1990	1990	82					11/4/2014	16.1	108	23823	Primary
76	Powhite Pkwy EBL	LONG BRANCH	VDOT	5048	Culvert	Yes	1988	1988	82					10/21/2014	34.1	168	24672	Primary
288	Route 288 SBL	STREAM	VDOT	5207	Culvert	No	1990	1990	82					11/4/2014	16.1	122	23823	Primary
1	Route 1 SBL	FALLING CREEK	VDOT	4985	Bridge	Yes	1978	1978	82					1/31/2013	170	44	11076	Primary
150	WBL ROUTE 150	TEXACO RD.	VDOT	5096	Bridge	Yes	1978	1991	82					1/22/2013	371.1	40	28702	Primary
76	Route 76	RTE 2510 (REDBRIDGE ROAD	VDOT	5032	Bridge	Yes	1988	1988	82					7/18/2014	101	79.7	31799	Primary
360	Hull Street EBL	POCOSHOCK CREEK	VDOT	5227	Culvert	Yes	1954	1994	82					7/16/2013	50.9	70	17838	Primary
150	Chippenham Pkwy WB	FALLING CREEK	VDOT	5107	Bridge	Yes	1965	2002	83					11/24/2014	178.1	67.6	28116	Primary
150	CHIPPENHAM PKWY EB	FALLING CREEK	VDOT	5129	Bridge	Yes	1975	2002	83					11/25/2014	178.1	67.6	28116	Primary
95	Interstate-95	CSX TRANSPORTATION	VDOT	5065	Bridge	Yes	1958	1998	83					9/30/2014	128.3	124	99025	Interstate
95	ROUTE 0095	RTE 613 (WILLIS RD)	VDOT	5060	Bridge	Yes	1958	1998	83					9/24/2014	75.1	124	99025	Interstate
653	Qualla Road	ROUTE 288	VDOT	5298	Bridge	Yes	1990	1990	83					4/17/2014	402.9	33.8	6964	Secondary
1	JEFFERSON DAVIS HY	SWIFT CREEK	VDOT	4990	Bridge	Yes	1990	1990	83					9/24/2013	182.1	83	26583	Primary
7295	UPSHUR DRIVE	BRNCH BEAVER POND CREEK	VDOT	28802	Culvert	Yes	2006	2006	84					9/3/2014	40.5	0	300	Secondary
150	WBL ROUTE 0150	POWHITE CREEK	VDOT	5112	Bridge	Yes	1968	1999	84					10/31/2013	128	64.3	25852	Primary
145	Chester Road	N. BRNCH PROCTORS CREEK	VDOT	5102	Culvert	Yes	1990	1990	84					10/9/2014	42	207	6277	Primary
5583	WATERMILL PARKWAY	TOMAHAWK CREEK	VDOT	28314	Bridge	Yes	2003	2003	84	FO				4/10/2014	88.9	73.5	7256	Secondary
3840	WOOLRIDGE ROAD	STREAM	VDOT	28029	Culvert	No	2003	2003	84					2/6/2013	17.1	292	2000	Secondary
288	ROUTE 288 & RAMPS	LITTLE TOMAHAWK CREEK	VDOT	26648	Culvert	Yes	2003	2003	84					3/14/2013	29.9	420	2000	Primary
10	West Hundred Road	CSX TRANSPORTATION	VDOT	5000	Bridge	Yes	1990	1990	84					4/15/2014	144	82	30162	Primary
288	ROUTE 288	BR LITTLE TOMAHAWK CK	VDOT	28027	Culvert	No	2003	2003	84					2/28/2013	17.1	256	2000	Primary
295	RAMP D MEADOWVILLE	BRANCH /JOHNSON CREEK	VDOT	30200	Culvert	Yes	2012	2012	84	FO				5/1/2013	28.2	59	150	Interstate
288	Rte. 288 & CD Road	STREAM	VDOT	28032	Culvert	No	2003	2003	84					2/6/2013	9.8	541	2000	Primary
288	NBL ROUTE 0288	ROUTE 360	VDOT	5163	Bridge	Yes	1988	2013	85					9/11/2013	208	56.1	20815	Primary
150	Chippenham Pkwy WB	CSX TRANS & STRATHMOR RD	VDOT	5105	Bridge	Yes	1965	2002	85	FO				10/6/2014	202.1	67.4	28116	Primary
150	Chippenham Pkwy WB	FALLING CREEK	VDOT	5111	Bridge	Yes	1967	2002	85					8/28/2014	160.1	55.8	33289	Primary
76	Route 76	POCOSHOCK CREEK	VDOT	5034	Bridge	Yes	1988	1988	85					7/31/2014	301.8	79.7	31799	Primary
970	N. OTTERDALE ROAD	BR OF MICHAUX CREEK	VDOT	29224	Culvert	No	2008	2008	85					7/9/2013	9.8	68	1000	Secondary
60	Midlothian Tpk WBL	FALLING CREEK	VDOT	5015	Culvert	Yes	1959	1959	86					7/19/2013	21	48	19784	Primary
60	MIDLOTHIAN TPK EBL	NS RAILWAY	VDOT	5017	Bridge	Yes	1969	1969	86					9/30/2013	162.1	41.7	15054	Primary
664	COALBORO_ROAD	WINTERPOCK CREEK	VDOT	29035	Culvert	No	1984	2009	86					12/17/2014	8.9	80	210	Secondary
1878	Overcreek Lane	NUTTREE BRANCH	VDOT	5353	Culvert	Yes	1978	1978	86					9/4/2013	22	40	710	Secondary
618	Meadowville Road	INTERSTATE-295	VDOT	5252	Bridge	Yes	1987	1987	86					4/22/2014	268	33.8	2189	Secondary

Table A3: VDOT list of Structures (Bridges and Culverts) in Chesterfield County

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
638	COGBILL ROAD	LICKING CREEK	VDOT	28080	Culvert	Yes	2005	2005	86					3/20/2013	61	86	1000	Secondary
145	Chester Road	KINGSLAND CREEK	VDOT	5101	Bridge	Yes	1916	2010	86					7/10/2014	27.3	42	6277	Primary
1921	BRANDERMILL PKWY	PEDESTRIAN WALKWAY	VDOT	5355	Culvert	No	1980	1980	87					4/1/2014	13	41	3677	Secondary
618	Route 618	INTERSTATE -95	VDOT	5250	Bridge	Yes	1977	2007	87	FO				10/29/2014	184.1	38.1	3871	Secondary
1920	ROUTE 1920	PEDESTRIAN WALKWAY	VDOT	5354	Culvert	No	1980	1980	87					4/1/2011	14.1	72	4464	Secondary
636	Nash Road	SECOND BRANCH	VDOT	24722	Culvert	Yes	1996	1996	87					9/23/2014	43	94	2269	Secondary
288	NBL ROUTE 0288	ROUTE 1 (301)	VDOT	5178	Bridge	Yes	1989	1989	87					10/22/2013	188	53.8	16766	Primary
10	SBL ROUTE 0010	FALLING CREEK	VDOT	5009	Bridge	Yes	1985	1985	87					6/4/2013	149.9	40.4	6239	Primary
3840	Woolridge Road	ROUTE 288	VDOT	27934	Bridge	Yes	2003	2003	87					11/13/2014	249	82.3	2000	Secondary
3200	HARBOR POINTE ROAD	PED WALK/GOLF PATH	VDOT	30018	Culvert	No	2012	2012	88					6/30/2014	9.2	60	0	Secondary
626	Woodpecker Road	SECOND BRANCH	VDOT	5261	Bridge	Yes	1977	1977	88					8/13/2013	123	32.2	2265	Secondary
652	Old Hundred Road	SOUTHERN RAILWAY	VDOT	5297	Bridge	Yes	1974	1974	88					4/30/2013	117.1	32.2	2353	Secondary
150	Chippenham Pkwy EB	ROUTE 10	VDOT	5138	Bridge	Yes	1982	2002	88					9/9/2014	206	66.9	30279	Primary
604	Genito Road	ROUTE 288	VDOT	5241	Bridge	Yes	1988	2004	88	FO				6/11/2014	213.9	82.7	13956	Secondary
288	SBL Rt 288 & CD Rd	ROUTE 76	VDOT	5167	Bridge	Yes	1988	2003	88					9/25/2013	222.1	99.4	20815	Primary
752	Warren Ave	OLD TOWN CREEK	VDOT	24892	Culvert	Yes	1969	1969	88					3/11/2014	23	33	636	Secondary
653	Qualla Road	ROCKY RUN CREEK	VDOT	27931	Culvert	No	2004	2004	88					8/19/2014	9.8	96	3007	Secondary
722	Halloway Road	OLD TOWN CREEK	VDOT	5339	Culvert	Yes	1971	1971	88					1/22/2013	34.1	41	1995	Secondary
150	Chippenham Pkwy WB	ROUTE 10	VDOT	5136	Bridge	Yes	1982	2002	89					9/9/2014	206	66.9	30279	Primary
669	Sandy Ford Road	FRANKS BRANCH	VDOT	5321	Bridge	Yes	1977	1977	89					7/25/2013	103	32.2	1876	Secondary
2434	Kingston Avenue	BRANCH OF JOHNSON CREEK	VDOT	29529	Culvert	No	1969	1969	90					2/6/2013	15.5	48	-1	Secondary
2379	Castlewood Road	CSX RAILWAY	VDOT	5358	Bridge	Yes	1981	1981	90					7/16/2013	149	31.2	1573	Secondary
288	NBL Route 288	ROUTE 76	VDOT	26702	Bridge	Yes	2003	2003	90					9/25/2013	222.1	42.7	20815	Primary
288	NBL Rte. 288 CD Rd	ROUTE 76	VDOT	25579	Bridge	Yes	2003	2003	90					9/25/2013	222.1	56.4	20815	Primary
667	Otterdale Road	BLACKMAN CREEK	VDOT	27797	Bridge	Yes	2004	2004	90					3/20/2014	44	31.8	1361	Secondary
619	Happy Hill Road	TINSBERRY CREEK	VDOT	5254	Culvert	Yes	1971	1971	91					7/10/2013	24.9	46	523	Secondary
150	Chippenham Pkwy WB	POCOSHOCK CREEK	VDOT	5110	Bridge	Yes	1967	2002	91					8/26/2014	112.9	66.9	33289	Primary
288	Route 288 NBL	RTE. 637 (HOPKINS RD)	VDOT	5193	Bridge	Yes	1990	1990	91					6/5/2014	140	44	19674	Primary
7194	SHANNON COUNTY DR	KINGSLAND CREEK	VDOT	28544	Culvert	Yes	2006	2006	91					5/8/2013	42	48	200	Secondary
95	NBL ROUTE 0095	ROAD & FALLING CREEK	VDOT	5072	Bridge	Yes	1958	2000	91					12/3/2014	377	77.8	49512	Interstate
2389	MEADOWAY ROAD	STREAM	VDOT	29037	Culvert	No	2007	2007	91					1/10/2013	13.1	33	131	Secondary
150	WBL ROUTE OO150	RTE 647 (WALMSLEY BLVD)	VDOT	5133	Bridge	Yes	1979	1999	92					11/20/2013	182.1	54.8	33289	Primary
150	EBL ROUTE OO150	RTE 647 (WALMSLEY BLVD)	VDOT	5131	Bridge	Yes	1979	1999	92					11/20/2013	182.1	54.8	33289	Primary
95	SBL ROUTE 0095	ROAD & FALLING CREEK	VDOT	5070	Bridge	Yes	1958	2000	92					12/3/2014	377	99.4	46000	Interstate
667	Otterdale Road	SWIFT CREEK	VDOT	5313	Bridge	Yes	1989	1989	92					1/13/2015	103	31.8	978	Secondary
620	Woods Edge Road	Rt 95 & LOOP A FR Rt 620	VDOT	25381	Bridge	Yes	2001	2001	92					6/26/2013	296.9	99.7	14614	Secondary
5147	LASTINGHAM DRIVE	BRANCH OF MICHAUX BRANCH	VDOT	28291	Bridge	Yes	2005	2005	92					3/20/2014	29.9	60	43	Secondary

Table A3: VDOT list of Structures (Bridges and Culverts) in Chesterfield County

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
4202	ASHBROOK PARKWAY	DRY CREEK	VDOT	30351	Culvert	Yes	1994	1994	92					8/15/2013	73	66	200	
7416	TOMAHAWK RIDGE DR.	STREAM, WATERMILL, SCT 4	VDOT	29217	Bridge	No	2008	2008	92					7/9/2013	12.1	100	20	Secondary
669	Sandy Ford Road	BRANCH OF SWIFT CREEK	VDOT	26580	Culvert	No	2000	2000	92					11/14/2012	17.1	62	326	Secondary
615	Coxendale Road	INTERSTATE-95	VDOT	5245	Bridge	Yes	1977	1977	93	FO				10/6/2014	184.1	38.1	1331	Secondary
288	Route 288 SBL	RTE. 637 (HOPKINS RD.)	VDOT	5195	Bridge	Yes	1990	1990	93					6/5/2014	140	44	19674	Primary
647	Route 647 Reams Rd	ROUTE 76 POWHITE PKWY	VDOT	5284	Bridge	Yes	1988	1988	93					6/25/2014	165	37.7	12068	Secondary
288	Route 288 SBL	ROUTE 642	VDOT	5191	Bridge	Yes	1990	1990	93					6/30/2014	102	41.7	19674	Primary
60	Midlothian Tnpke	ROUTE 76 (POWHITE PKWY)	VDOT	5018	Bridge	Yes	1988	1988	93					6/26/2014	294	65.9	25148	Primary
60	Midlothian Tnpke	ROUTE 76 (POWHITE PKWY)	VDOT	5020	Bridge	Yes	1988	1988	93					6/26/2014	294	65.9	25148	Primary
606	MOUNT HERMON ROAD,	OTTERDALE BRANCH	VDOT	29270	Culvert	No	2008	2008	93					8/20/2013	18	110	30	Secondary
288	Route 288 NBL	ROUTE 642	VDOT	5189	Bridge	Yes	1990	1990	93					6/30/2014	102	41.7	19674	Primary
629	EANES ROAD	FRANKS BRANCH	VDOT	5267	Culvert	No	1990	1990	94					5/21/2014	15.1	50	122	Secondary
145	Centralia Road	CROOKED BRANCH	VDOT	26585	Culvert	No	2000	2000	94					11/14/2012	13.1	40	9157	Primary
748	ROUTE 0748	WINTERPOCK CREEK	VDOT	5343	Culvert	No	1975	1975	94					1/13/2015	8.9	40	10	Secondary
668	WOOLRIDGE ROAD	PEDESTRIAN TUNNEL	VDOT	29098	Culvert	No	2007	2007	94					2/21/2013	12.1	96	50	Secondary
746	Ruffin Mill Road	RTE 95 & RAMP C & LOOP B	VDOT	25383	Bridge	Yes	2001	2001	94					6/26/2013	368.1	46.6	4271	Secondary
150	EBL ROUTE 0150	POWHITE CREEK	VDOT	5126	Bridge	Yes	1972	1988	94					10/31/2013	128	66.6	25852	Primary
667	OTTERDALE ROAD	PEDESTRIAN CULVERT	VDOT	29255	Culvert	No	2008	2008	94					8/15/2013	12.1	82	39	Secondary
667	OTTERDALE ROAD	BRANCH OF DRY CREEK	VDOT	29256	Culvert	Yes	2008	2008	94					7/9/2013	32.2	112	39	Secondary
895	RAMP H OF 895 WBL	RMP A 150 & DUPONT_CHANL	Transurban	27296	Bridge	Yes	2002	2002	94	FO				8/21/2014	2372	32.8	500	Primary
604	Genito Road	SWIFT CREEK	VDOT	29426	Bridge	Yes	2012	2012	94					10/21/2014	111.3	35.7	8804	Secondary
672	South Arch Road	POCOSHOCK CREEK	VDOT	5323	Culvert	Yes	1986	1986	95					3/15/2013	23	60	12415	Secondary
754	Old Hundred Road	NUTTREE BRANCH	VDOT	27935	Culvert	Yes	2004	2004	95					8/6/2014	22	49	10416	Secondary
295	WBL ROUTE 0295	CSX RAILWAY	VDOT	23222	Bridge	Yes	1991	1991	95					7/23/2013	165	61.7	9500	Interstate
295	EBL ROUTE 0295	CSX RAILWAY	VDOT	23231	Bridge	Yes	1991	1991	95					7/22/2013	232.9	61.7	16960	Interstate
780	State Park Road	THIRD BRANCH	VDOT	25289	Bridge	Yes	1998	1998	95					12/11/2013	51.8	32.2	23	Secondary
288	NBL Rt 288 & CD Rd	NORFOLK SOUTHERN RAILWAY	VDOT	26642	Bridge	Yes	2003	2003	95					11/25/2014	219.2	81	17471	Primary
360	Route 360 WBL	SWIFT CREEK	VDOT	23546	Bridge	Yes	1992	1992	95					5/6/2014	162.3	59.3	33697	Primary
827	Allied Road	JOHNSON CREEK	VDOT	5347	Culvert	Yes	1954	1954	96					7/19/2013	44	66	1677	Secondary
654	Bundle Road	MANN BRANCH	VDOT	5307	Culvert	Yes	1989	1989	96					7/25/2013	23	40	1789	Secondary
60	Midlothian Tpk EBL	FALLING CREEK	VDOT	5014	Bridge	Yes	1935	1960	96					10/28/2014	23	41.3	19784	Primary
288	SBL ROUTE 0288	ROUTE 360	VDOT	5165	Bridge	Yes	1988	1990	96					9/11/2013	208	56.1	20815	Primary
95	RAMP E OF I-95 NBL	FALLING CREEK_& RMPS	Transurban	27295	Bridge	Yes	2002	2002	96					8/20/2014	2647	33.5	500	Interstate
295	WBL ROUTE 0295	CSX RAILWAY	VDOT	23223	Bridge	Yes	1991	1991	96					7/24/2013	268	61.7	9500	Interstate
288	Route 288 NBL	CSX TRANSPORTATION	VDOT	5181	Bridge	Yes	1990	1990	96					5/13/2014	139.1	56.1	19674	Primary
295	Interstate 295 WBL	RTE. 746 ENON CHURCH RD.	VDOT	23227	Bridge	Yes	1991	1991	96					7/25/2013	98.1	61.7	9500	Interstate
295	Interstate 295 EBL	RTE. 746 ENON CHURCH RD.	VDOT	23226	Bridge	Yes	1991	1991	96					7/25/2013	98.1	61.7	16960	Interstate

Table A3: VDOT list of Structures (Bridges and Culverts) in Chesterfield County

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
288	Route 288 NBL	CSX TRANSPORTATION	VDOT	5183	Bridge	Yes	1990	1990	96					5/13/2014	171.9	56.1	19674	Primary
288	Route 288 SBL	CSX TRANSPORTATION	VDOT	5182	Bridge	Yes	1990	1990	96					5/12/2014	139.1	56.1	19674	Primary
626	Woodpecker Road	FRANKS BRANCH	VDOT	5262	Culvert	Yes	1971	1971	96					1/9/2015	47.9	48	6189	Secondary
150	Chippenham Pkwy EB	FALLING CREEK	VDOT	5135	Bridge	Yes	1979	2002	96					8/28/2014	160.1	67.6	33289	Primary
288	Route 288 SBL	INTERSTATE-95	VDOT	5171	Bridge	Yes	1989	1989	96					12/12/2013	242.1	33.8	5702	Primary
653	Qualla Road	N FORK SWIFT CREEK	VDOT	5301	Bridge	Yes	1990	1990	96					4/3/2014	83	43.3	6964	Secondary
360	Hull Street Rd EBL	SWIFT CREEK	VDOT	26792	Bridge	Yes	2002	2002	96					2/20/2013	169.9	69.6	33697	Primary
7701	RTE.7701(SABRA WAY)	UNNAMED STREAM	VDOT	30207	Culvert	No	2009	2009	96					5/29/2013	19.9	7	-1	Secondary
718	Old Bon Air Road	POWHITE CREEK	VDOT	28528	Culvert	Yes	2007	2007	96					3/8/2013	21	41	8474	Secondary
295	Interstate-295	RAMP B & LOOP B O STREAM	VDOT	5218	Culvert	Yes	1987	1987	96					4/2/2014	43	200	33921	Interstate
1206	FEATHERSTONE DRIVE	STREAM	VDOT	5350	Culvert	Yes	1955	1955	96					8/20/2013	24	56	3369	Secondary
697	Bermuda Hundred Rd	BR OF JOHNSON CREEK	VDOT	5336	Culvert	No	1962	1962	97					7/18/2013	19	50	590	Secondary
657	IVY MILL ROAD	CATTLE CREEK	VDOT	23400	Culvert	No	1991	1991	97					3/4/2013	17.1	60	670	Secondary
652	Old Hundred Road	TOMAHAWK CREEK	VDOT	5295	Culvert	Yes	1974	1974	97					1/28/2014	44	60	2852	Secondary
651	Belmont Rd.	ROUTE 150	VDOT	5291	Bridge	Yes	1980	1980	97					7/23/2013	216.9	100.1	14773	Secondary
603	Skinquarter Dr.	SKINQUARTER CREEK	VDOT	5233	Bridge	Yes	1972	1972	97					8/22/2013	71.9	32.2	521	Secondary
295	Interstate-295 EBL	ROUTE 10	VDOT	5210	Bridge	Yes	1987	1987	97					3/31/2014	242.1	73.8	16960	Interstate
720	LUCKS LANE	RTE 288 & COLL DIST RDS	VDOT	25580	Bridge	Yes	2002	2003	97					9/24/2013	272	99.7	3576	Secondary
295	EBL ROUTE 0295	CSX RAILWAY	VDOT	23221	Bridge	Yes	1991	1991	97					7/22/2013	165	61.7	16960	Interstate
76	Route 76 WBL	PROP CHINABERRY PKWY	VDOT	5029	Bridge	Yes	1988	1988	97					5/28/2014	141.1	57.7	24672	Primary
150	WBL CHIPPENHAM PKW	ROUTE 686 (JAHNKE ROAD)	VDOT	25377	Bridge	Yes	1999	1999	97					9/26/2013	98.1	67.3	33356	Primary
76	Route 76 EBL	RAMP-B TOo RTE.150 SBL	VDOT	5026	Bridge	Yes	1988	1988	97					5/28/2014	162.1	45.9	24672	Primary
76	Route 76 EBL	PROP CHINABERRY PKWY	VDOT	5028	Bridge	Yes	1988	1988	97					5/28/2014	162.1	51.8	24672	Primary
288	Route 288 NBL	ROUTE 654	VDOT	5142	Bridge	Yes	1990	1990	97					4/16/2014	139.1	44	18852	Primary
678	Buford Road	UNNAMED STREAM	VDOT	5331	Culvert	No	1988	1988	97					2/28/2013	16.1	49	7303	Secondary
677	OLD BUCKINGHAM RD.	FALLING CREEK	VDOT	27382	Bridge	Yes	2006	2006	97					9/8/2014	152.9	39.4	9015	Secondary
60	WBL MIDLOTHIAN TPK	RTE 288 & COLL DIST RDS	VDOT	26646	Bridge	Yes	2003	2003	97					9/24/2013	280.8	54.5	14280	Primary
360	EBL ROUTE 0360	DRY CREEK	VDOT	5229	Culvert	Yes	1959	1959	97					7/31/2013	44.9	78	21409	Primary
950	Charter Colony Pkw	ROUTE 288	VDOT	26641	Bridge	Yes	2003	2003	97					11/20/2014	258.9	43.6	5000	Secondary
288	SBL Rt 288 & CD RD	NORFOLK SOUTHERN RR	VDOT	26644	Bridge	Yes	2003	2003	97					11/26/2014	219.2	93.8	17471	Primary
7440	Autumn Mist Drive	BRANCH OF FALLING CREEK	VDOT	29388	Culvert	Yes	2010	2010	97					5/19/2014	27	76.8	25	Secondary
651	Belmont Road	LICKING CREEK	VDOT	27289	Culvert	Yes	2002	2002	97					9/4/2014	60	60	4897	Secondary
678	Providence Road	POCOSHOCK CREEK	VDOT	5329	Culvert	No	2011	2011	97					4/10/2012	17.7	48	9521	Secondary
651	Belmont Road	BRANCH OF FALLING CREEK	VDOT	27930	Culvert	No	2004	2004	98					8/8/2012	12.1	96	7837	Secondary
616	Osborne Road	REDWATER CREEK	VDOT	23358	Culvert	No	1992	1992	98					12/29/2011	18	40	1815	Secondary
625	Branders Bridge Rd	UNNAMED STREAM	VDOT	5260	Culvert	Yes	1986	1986	98					3/11/2014	48.9	47	5597	Secondary
667	OTTERDALE ROAD	HORSEPEN CREEK	VDOT	5312	Culvert	No	1977	1977	98					4/10/2014	15.1	58	1532	Secondary

Table A3: VDOT list of Structures (Bridges and Culverts) in Chesterfield County

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
667	ROUTE 0667	TOMAHAWK CREEK	VDOT	5314	Culvert	Yes	1979	1979	98					3/14/2013	22	40	1110	Secondary
763	FORDHAM ROAD	HORNERS RUN	VDOT	29014	Culvert	Yes	1981	2008	98	SD				11/7/2014	65	70	5665	Secondary
150	Route 150 WBL	ROUTE 360 (HULL ST.)	VDOT	5122	Bridge	Yes	1971	1999	98					10/29/2013	140.1	54.8	33289	Primary
150	Route 150 EBL	ROUTE 360 (HULL ST.)	VDOT	5120	Bridge	Yes	1971	1999	98					10/29/2013	140.1	54.8	33289	Primary
288	Route 288 NBL	STREAM	VDOT	5151	Culvert	No	1990	1990	98					6/2/2014	19	100	23823	Primary
288	Route 288 SBL	STREAM	VDOT	5154	Culvert	No	1990	1990	98					6/2/2014	9	210	23823	Primary
295	Interstate-295 WBL	ROUTE 10	VDOT	5212	Bridge	Yes	1987	1987	98					3/31/2014	242.1	73.8	9500	Interstate
895	RAMP G OF 895 WBL	RTE 895 & RMPS OF 150	Transurban	27297	Bridge	Yes	2002	2002	98					8/22/2014	2806.1	32.8	500	Primary
360	Hull St. WBL	FALLING CREEK	VDOT	26312	Bridge	Yes	1999	1999	98					1/31/2014	97.1	57.4	19979	Primary
288	Route 288 SBL	STREAM	VDOT	5162	Culvert	No	1990	1990	98					6/2/2014	19	96	23823	Primary
150	Chippenham Pkwy EB	POCOSHOCK CREEK	VDOT	5130	Bridge	Yes	1979	2002	98					8/26/2014	112.9	66.9	33289	Primary
1921	BRANDERMILL PKWY	PEDESTRIAN WALKWAY	VDOT	5356	Culvert	No	1980	1980	98					4/1/2014	15.3	74	3677	Secondary
620	Woods Edge Road	ASHTON CREEK	VDOT	25384	Bridge	Yes	2001	2001	98					6/10/2013	413.1	99.7	5241	Secondary
288	SBL ROUTE 0288	ROUTE 1 (301)	VDOT	5176	Bridge	Yes	1989	1989	98					10/22/2013	188	53.8	16766	Primary
288	Route 288 SBL	CSX TRANSPORTATION	VDOT	5184	Bridge	Yes	1990	1990	98					5/12/2014	171.9	56.1	19674	Primary
150	Route 150 EBL	ROUTE 60	VDOT	5116	Bridge	Yes	1971	1999	98					10/29/2013	152.9	66.6	36879	Primary
288	Route 288 SBL	Unnamed Tributary	VDOT	5152	Culvert	Yes	1990	1990	98					4/14/2014	20	150	18852	Primary
150	Route150 WBL	ROUTE 60	VDOT	5118	Bridge	Yes	1971	1999	98					10/29/2013	152.9	66.6	36879	Primary
150	EBL CHIPPENHAM PKW	ROUTE 686 (JAHNKE ROAD)	VDOT	25376	Bridge	Yes	1999	1999	98					9/26/2013	98.1	67.3	33356	Primary
288	Route 288 NBL	UNNAMED TRIBUTARY	VDOT	5150	Culvert	Yes	1990	1990	98					4/14/2014	20	132	18852	Primary
625	Branders Bridge Rd	OLD TOWN CREEK	VDOT	5258	Culvert	Yes	1986	1986	98					3/11/2014	28.9	55	4352	Secondary
288	Route 288 SBL	Stream	VDOT	5149	Culvert	No	1990	1990	98					6/9/2014	9.8	152	18852	Primary
95	Interstate-95	ROUTE 10	VDOT	5086	Bridge	Yes	1958	1996	98					3/25/2014	164	148	106197	Interstate
288	Route 288 NBL	STREAM	VDOT	5160	Culvert	No	1990	1990	98					6/9/2014	18	286	18852	Primary
288	Route 288 SBL	STREAM	VDOT	5156	Culvert	No	1990	1990	98					6/3/2014	16	100	23823	Primary
288	Route 288 SBL	ROUTE 654	VDOT	5144	Bridge	Yes	1990	1990	98					4/16/2014	159.1	44	18852	Primary
1141	South Street	TINSBERRY CREEK	VDOT	5349	Culvert	No	1971	1971	98					7/10/2013	12.1	25	2866	Secondary
360	Hull St. EBL	FALLING CREEK	VDOT	26313	Bridge	Yes	1999	1999	98					1/31/2014	97.1	59.4	19979	Primary
288	Route 288 NBL	INTERSTATE 95	VDOT	5173	Bridge	Yes	1989	1989	98					12/12/2013	242.1	33.8	5702	Primary
651	NEWBYS BRIDGE ROAD	N BRANCH OF SWIFT CREEK	VDOT	28716	Culvert	Yes	2007	2007	98					11/6/2013	21	64	3150	Secondary
288	Rte. 288 SBL	UNNAMED TRIBUTARY	VDOT	5209	Culvert	Yes	1990	1990	98					6/4/2014	30.8	210	19674	Primary
288	Route 288 NBL	TRIB. TO LICKING CREEK	VDOT	5155	Culvert	Yes	1990	1990	98					4/22/2014	25.9	110	23823	Primary
288	Route 288 NBL	Unnamed Tributary	VDOT	5157	Culvert	Yes	1990	1990	98					4/14/2014	43	138	18852	Primary
288	Route 288 SBL	Unnamed Tributary	VDOT	5158	Culvert	Yes	1990	1990	98					4/14/2014	32.2	102	18852	Primary
360	Hull Street Rd WBL	POCOSHOCK CREEK	VDOT	24097	Bridge	Yes	1994	1994	98					11/12/2014	62	57.4	17838	Primary
653	Second Branch Road	SECOND BRANCH CREEK	VDOT	27592	Culvert	No	2003	2003	98					6/13/2011	15	60	2194	Secondary
662	SPRING RUN ROAD	SPRING RUN	VDOT	29100	Culvert	Yes	1998	1998	98					2/20/2013	41	48	6937	Secondary

Table A3: VDOT list of Structures (Bridges and Culverts) in Chesterfield County

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
288	Route 288 NBL	UNNAMED TRIBUTARY	VDOT	5208	Culvert	Yes	1990	1990	98					8/15/2014	25.5	182	19674	Primary
672	Adkins Road	ROUTE 76	VDOT	5324	Bridge	Yes	1988	1988	98					4/10/2014	205.1	39.4	1612	Secondary
604	Route 604 EBL	ROUTE 288	VDOT	5236	Bridge	Yes	1990	1990	98					4/17/2014	503.9	42	9686	Secondary
642	Salem Church Road	REEDY CREEK	VDOT	26853	Bridge	Yes	2004	2004	98					12/16/2014	127	41.7	4262	Secondary
628	Rte.628(Hickory Roa	UNNAMED STREAM	VDOT	29830	Culvert	No	2011	2011	98					10/27/2011	15	7	3500	Secondary
733	Ruthers Road	POCOSHAM CREEK	VDOT	24675	Culvert	Yes	1980	1980	98					5/19/2014	34	45	4917	Secondary
288	Route 288 SBL	Stream	VDOT	5153	Culvert	No	1990	1990	98					6/9/2014	9.8	146	18852	Primary
288	Rte. 288 NBL	UNNAMED TRIBUTARY	VDOT	5205	Culvert	No	1990	1990	98					6/4/2014	16.1	98	19674	Primary
0	Access Road	TINSBERRY CREEK	Chesterfield County	25347	Culvert	No	1997	1997	98					9/30/2013	24.9	21	1	Secondary
746	Enon Church road	JOHNSON CREEK	VDOT	5341	Culvert	Yes	2003	2003	99					7/10/2013	26.9	76	3924	Secondary
1668	Goodes Bridge Road	Unnamed Tributary	VDOT	5352	Culvert	Yes	1986	1986	99					4/10/2014	24	56	4551	Secondary
4713	Buck Rub Drive	SPRING RUN	VDOT	24145	Bridge	Yes	1989	1989	99					10/7/2014	35.1	48.9	1674	Secondary
76	Route 76 EBL	ROUTE 150 CHIPPENHAM PKW	VDOT	5024	Bridge	Yes	1988	1988	99					5/20/2014	275.9	57.7	24672	Primary
686	Rte 686/Jahnke Rd	ROUTE 76	VDOT	5333	Bridge	Yes	1988	1988	99					5/15/2014	204.1	99.7	16119	Secondary
288	COMM CTR PKWY FLYO	RTE 288	VDOT	5146	Bridge	Yes	1990	1990	99					4/10/2014	350.1	33.3	200	Primary
653	Courthouse Road	ROUTE 76	VDOT	5303	Bridge	Yes	1988	1988	99					4/10/2014	242.1	99.8	36822	Secondary
717	Centralia Road	HAMLIN CREEK	VDOT	5337	Culvert	Yes	1981	1981	99					10/9/2014	23	49	4640	Secondary
1	Jeff Davis Highway	ROUTE 150	VDOT	4996	Bridge	Yes	1976	1976	99					5/30/2013	181.1	136.2	20754	Primary
628	Hickory Road	FRANKS BRANCH	VDOT	5265	Culvert	Yes	1980	1980	99					1/9/2015	47.9	96	2232	Secondary
76	Powhite Pkwy EBL	FALLING CREEK	VDOT	5035	Bridge	Yes	1988	1988	99					10/30/2014	233.9	41.7	14273	Primary
602	River Road	SURLINE BRANCH	VDOT	5230	Culvert	No	1970	1970	99					5/9/2013	19	48	751	Secondary
652	Old Hundred Road	LITTLE TOMAHAWK CREEK	VDOT	23386	Culvert	Yes	1991	2012	99					1/12/2014	42	80	2852	Secondary
76	Powhite Pkwy WBL	FALLING CREEK	VDOT	5036	Bridge	Yes	1988	1988	99					10/30/2014	233.9	41.7	14273	Primary
606	Mt. Hermon Road	TURKEY CREEK	VDOT	5244	Bridge	Yes	1986	1986	99					12/11/2013	53.1	29.9	237	Secondary
60	MIDLOTHN TRNPK WBL	NS RAILWAY	VDOT	5012	Bridge	Yes	1938	2007	99					9/30/2013	170.9	39.4	15054	Primary
652	Old Hundred Road	UNNAMED STREAM	VDOT	23384	Culvert	Yes	1991	2012	99					1/12/2014	46.9	144	2852	Secondary
631	Rhodes Lane	FRANKS BRANCH	VDOT	27929	Culvert	Yes	2003	2003	99					8/19/2014	30.8	31	151	Secondary
604	Route 604 WBL	ROUTE 288	VDOT	5234	Bridge	Yes	1990	1990	99					4/17/2014	503.9	42	9686	Secondary
651	NEWBYS BRIDGE ROAD	N FORK SWIFT CREEK	VDOT	27381	Culvert	Yes	2007	2007	99					11/6/2013	47.9	89	3084	Secondary
7316	BEGINNERS TRIAL LN	BRANCH OF JOHNSON CREEK	VDOT	28801	Culvert	Yes	2007	2007	99					9/4/2014	360	75	2000	Secondary
667	Otterdale Road	NORFOLK SOUTHERN RAILWAY	VDOT	26647	Bridge	Yes	2003	2003	99					9/29/2014	183.1	42.7	1180	Secondary
288	Route 288	Ramp-H o Cattle Run Crk	VDOT	5180	Culvert	No	1989	1989	99					3/24/2014	19	100	200	Primary
667	OTTERDALE ROAD	STREAM	VDOT	28028	Culvert	No	2003	2003	99					2/21/2013	17.1	251	1180	Secondary
60	EBL MIDLOTHIAN TPK	RTE 288 & COLL DIST RDS	VDOT	26645	Bridge	Yes	2003	2008	99					1/30/2013	275.9	67.6	14280	Primary
288	Route 288 SBL	ROUTE 145	VDOT	5187	Bridge	Yes	1990	1990	99					6/24/2014	240.2	56.1	19674	Primary
5899	ST. AUDRIES DRIVE	STREAM	VDOT	29039	Culvert	No	2007	2007	99					1/8/2013	14.1	88	40	Secondary
746	Ruffin Mill Road	CSX TRANSPORTATION	VDOT	25382	Bridge	Yes	2001	2001	99					6/12/2013	190.3	46.6	4271	Secondary

Table A3: VDOT list of Structures (Bridges and Culverts) in Chesterfield County

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
10	Rte. 10	CSX TRANSPORTATION	VDOT	29316	Bridge	Yes	2012	2013	99					6/5/2013	125.5	146.5	18835	Primary
688	Dakins Drive	BRANCH OF FALLING CREEK	VDOT	5335	Culvert	No	1974	1974	100					5/10/2012	15.1	64	1028	Secondary
288	Route 288 NBL	ROUTE 10	VDOT	5199	Bridge	Yes	1990	1990	100					5/29/2014	208	55.8	23823	Primary
288	Route 288 SBL	ROUTE 10	VDOT	5197	Bridge	Yes	1990	1990	100					5/29/2014	208	55.8	23823	Primary
5160	Highland Glen Driv	LICKING CREEK	VDOT	28486	Culvert	Yes	2004	2004	100					11/5/2014	25.9	88	500	Secondary
5186	EASTFAIR DRIVE	LICKING CREEK	VDOT	28487	Culvert	Yes	2004	2004	100					11/5/2014	50.9	80	800	Secondary
7421	Stone Creek Drive	BRANCH OF FALLING CREEK	VDOT	29389	Culvert	No	2008	2008	100					5/13/2014	15	100	-1	Secondary
2907	North beach Road	PEDESTRIAN WALKWAY	VDOT	5360	Culvert	No	1980	1980	100					6/6/2014	8.9	61	542	Secondary
295	Interstate-295	LOOP-C,RAMP-C O STREAM	VDOT	5217	Culvert	Yes	1987	1987	100					4/2/2014	42	136	500	Interstate
7104	MANDERS DR@CHARTER	UNNAMED TRIBUTARY	VDOT	28406	Culvert	No	2006	2006	100					8/6/2014	14.1	88	250	Secondary
288	Route 288 NBL	ROUTE 145	VDOT	5185	Bridge	Yes	1990	1990	100					6/24/2014	240.2	56.1	19674	Primary
5201	FOX CLUB PARKWAY	WEST BRANCH CREEK	VDOT	28411	Bridge	Yes	2006	2006	100					10/7/2014	60	42	600	Secondary
668	Woolridge Road	SWIFT CREEK RESERVOIR	VDOT	29425	Bridge	Yes	2010	2010	100					7/10/2014	245.8	60.3	400	Secondary
1950	Quail Hill Road	STREAM	VDOT	29463	Culvert	Yes	2010	2010	100					9/3/2014	49	50	650	Secondary
667	Rte. 667 (Otterdale	OTTERDALE CREEK	VDOT	29295	Culvert	No	2009	2009	100					9/4/2013	15	62	-1	Secondary
654	BAILEY BRIDGE ROAD	SWIFT CREEK	VDOT	25395	Bridge	Yes	2013	2013	100					6/25/2013	182.3	66.3	10000	Secondary
7446	BRIGHTWALTON ROAD	UNNAMED TR SWIFT CK	VDOT	30413	Culvert	Yes	2014	2014	NA					7/1/2014	0		-1	Secondary

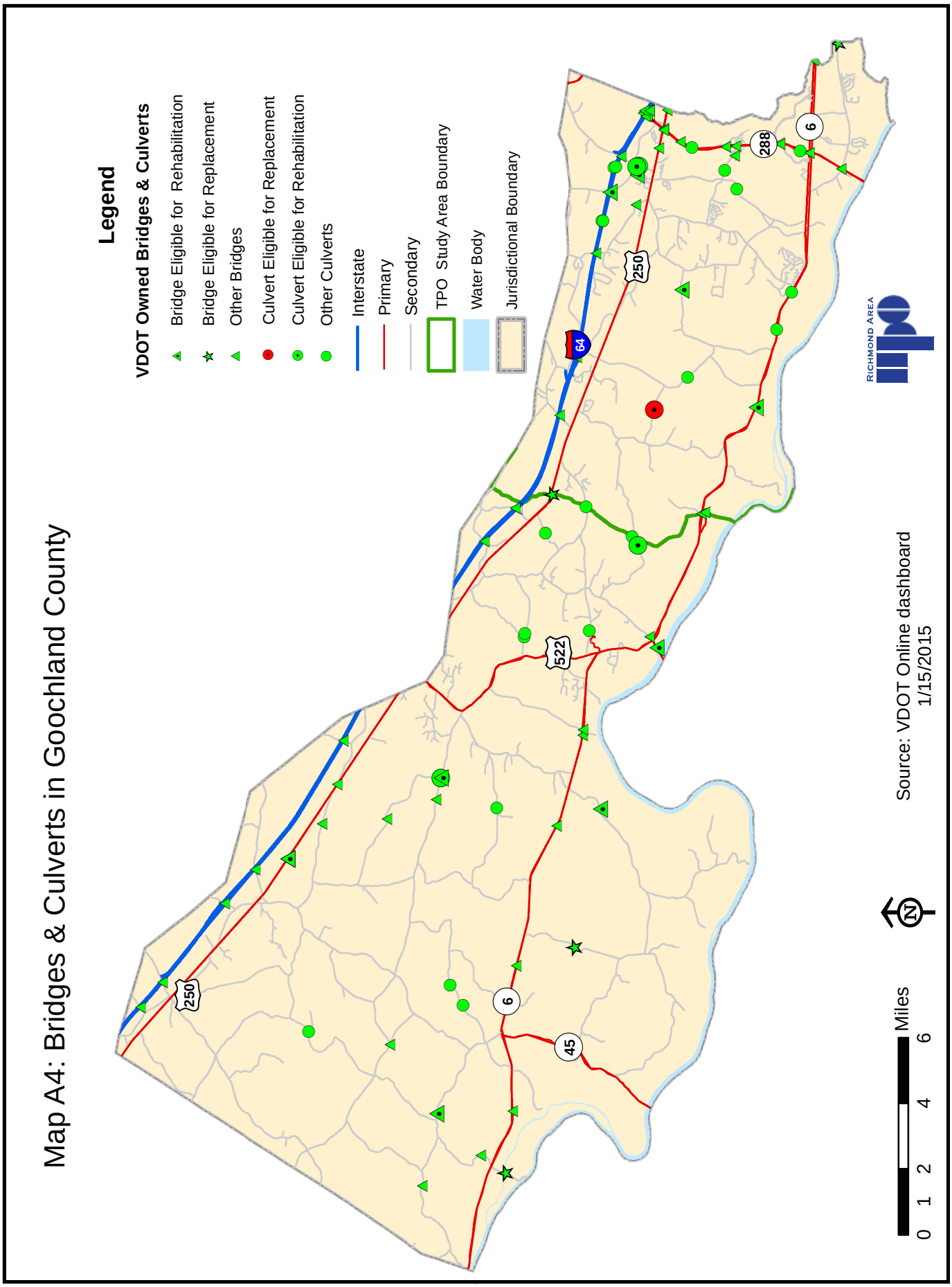
Note : Structures listed in ascending order of Sufficiency Ratings

Deficient Structure with Sufficiency Rating 0 - 49.9 highlighted in red.

Deficient Structure with Sufficiency Rating 50-80 highlighted in green.

Source : VDOT online listing of Bridges by District

URL : http://dashboard.virginiadot.org/Pages/Maintenance/AdvancedBridgeReport.aspx?districtCode=4


Map A4: Bridges & Culverts in Goochland County
Legend
VDOT Owned Bridges & Culverts
Bridge Eligible for Rehabilitation
Bridge Eligible for Replacement
Other Bridges
Culvert Eligible for Replacement
Culvert Eligible for Rehabilitation
Other Culverts
Interstate
Primary
Secondary
TPO Study Area Boundary
Water Body
Jurisdictional Boundary
RICHMOND AREA
250
64
288
6
522
45
Source: VDOT Online dashboard
1/15/2015
N
0 1 2 4 6
Miles

This page intentionally left blank

Table A4: VDOT list of Structures (Bridges and Culverts) in Goochland County

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
616	Haskins Road	LITTLE LICKINGHOLE CREEK	VDOT	8625	Bridge	Yes	1955	1955	26	FO	Yes		Posted	2/3/2014	25.5	24.3	684	Secondary
603	Elk Island Road	NORTH BRANCH JAMES RIVER	VDOT	8605	Bridge	Yes	1973	2011	26	FO	Yes		Posted	1/28/2014	202.1	14.1	31	Secondary
650	River Road	TUCKAHOE CREEK	VDOT	8666	Bridge	Yes	1950	1987	27	SD	Yes		Posted	6/30/2014	115.2	25.6	3969	Secondary
641	Genito Road	GENITO CREEK	VDOT	8662	Culvert	No	1969	1969	40	SD	Yes		Posted	6/3/2014	11.2	60	321	Secondary
250	West Broad Street	BEAVERDAM CREEK	VDOT	8591	Bridge	Yes	1932	1932	47	FO	Yes			3/13/2014	32.5	25.3	2931	Primary
6	River Road West	BRANCH OF JAMES RIVER	VDOT	8568	Bridge	No	1930	1971	48	FO	Yes			3/28/2014	16.1	24.9	3899	Primary
623	Ashland Road	TUCKAHOE CREEK	VDOT	8643	Culvert	Yes	1966	1966	50	SD		Yes	Posted	8/28/2014	32.2	89	9366	Secondary
673	Route 673	ROCKETS WILD BOAR CREEK	VDOT	8674	Culvert	Yes	1966	1966	52	SD		Yes		7/23/2014	24	58	2082	Secondary
250	Broad Street Road	BR BIG LICKINGHOLE CREEK	VDOT	8599	Bridge	No	1930	1930	52	FO		Yes	Posted	2/19/2014	12.1	25.9	1183	Primary
250	Broad Street	BR BIG LICKINGHOLE CREEK	VDOT	8600	Bridge	No	1930	1930	56	FO		Yes		2/19/2014	14.1	25.6	1183	Primary
64	ROUTE 0064	BEAVERDAM CREEK	VDOT	8575	Culvert	No	1968	1968	56					6/14/2013	15.1	450	31964	Interstate
64	Interstate-64 EBL	LITTLE TUCKAHOE CREEK	VDOT	8580	Bridge	Yes	1967	1980	59	SD		Yes		2/19/2014	174.9	42	30689	Interstate
6	Patterson Ave.	BRANCH OF TUCKAHOE CREEK	VDOT	8562	Culvert	No	1955	1975	59					3/13/2014	19	145	17576	Primary
64	I-64 WBL	LITTLE TUCKAHOE CREEK	VDOT	8581	Bridge	Yes	1967	1980	61	SD		Yes		2/19/2014	174.9	42	18000	Interstate
673	Whitehall Road	WHITEHALL CREEK	VDOT	8673	Bridge	No	1950	2012	62	FO		Yes	Posted	2/3/2014	20.5	19.7	1106	Secondary
600	Rock Castle Rd.	BIG LICKINGHOLE CREEK	VDOT	8603	Bridge	Yes	1954	1954	63	FO		Yes		3/7/2014	128	24.3	1026	Secondary
310	STATE FARM ROAD	BEAVERDAM CREEK	VDOT	8664	Bridge	Yes	1929	1929	64					6/27/2013	98.1	25.9	679	Primary
522	Maiden Road	CSX TRANSPORTATION	VDOT	8602	Bridge	Yes	1972	1972	65	FO		Yes		2/4/2014	219.2	30.8	4221	Primary
6	River Road	GENITO CREEK	VDOT	8556	Bridge	Yes	1929	2000	66	FO		Yes		7/11/2014	83	25.3	6188	Primary
250	Route 250	STREAM	VDOT	8601	Culvert	No	1945	2013	67	FO		Yes		4/30/2014	5.9	62	6577	Primary
639	Sheppard Town Road	BR OF BEAVERDAM CREEK	VDOT	8659	Culvert	Yes	1986	1986	68	SD		Yes		3/13/2014	23	47	1139	Secondary
6	Route 6	BEAVER DAM CREEK	VDOT	8563	Bridge	Yes	1952	2000	69					6/9/2014	130.9	31.5	4521	Primary
6	Route 6	BRANCH OF TUCKAHOE CREEK	VDOT	8564	Culvert	No	1975	2004	70					4/24/2012	12.1	174	10523	Primary
288	Route 288	WET WEATHER STREAM	VDOT	25225	Culvert	Yes	1997	1997	70					3/27/2014	35.1	253	40449	Primary
609	Three Chopt Road	BIG LICKINGHOLE CREEK	VDOT	8618	Bridge	Yes	1935	1979	71					11/18/2014	34.5	24.6	298	Secondary
64	Interstate 64	UNNAMED TRIBUTARY	VDOT	8586	Culvert	No	1969	1969	71					6/6/2013	5.9	330	25677	Interstate
6	River Road West	CHENEY'S CREEK	VDOT	24011	Bridge	Yes	1994	1994	72					6/3/2014	90.9	34.1	3899	Primary
622	Rockville road	ANDERSON CREEK	VDOT	8637	Culvert	No	1971	1971	72	SD		Yes		4/21/2014	17.1	64	2092	Secondary
617	Oilville Road	INTERSTATE-64	VDOT	8627	Bridge	Yes	1967	1967	73					3/18/2014	298.9	36.1	9548	Secondary
622	Rockville Road	INTERSTATE 64	VDOT	8635	Bridge	Yes	1967	1967	73	FO		Yes		2/18/2014	309.1	29.9	2092	Secondary
6	River Road West	LITTLE CREEK	VDOT	24009	Bridge	Yes	1994	1994	73					6/9/2014	90.9	34.1	3899	Primary
6	River Road West	DOVER CREEK	VDOT	8566	Culvert	Yes	1961	1961	75					6/19/2013	21	98	6188	Primary
64	Interstate-64	Brch Big Lickinghole Crk	VDOT	8583	Culvert	No	1932	1932	77					3/3/2011	19	371	18000	Interstate
645	Beaverdam Creek Rd	Branch o Beaverdam Creek	VDOT	8665	Culvert	No	1970	2001	78					5/16/2013	15.1	70	559	Secondary

Table A4: VDOT list of Structures (Bridges and Culverts) in Goochland County

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
667	Old Columbia Road	LITTLE BYRD CREEK	VDOT	8670	Bridge	Yes	1950	1950	78	FO		Yes	Posted	8/21/2014	30.8	20	256	Secondary
644	Miller's Lane	DOVER CREEK	VDOT	8663	Bridge	No	1950	2008	78	FO		Yes		8/21/2014	19.9	19.7	724	Secondary
708	Saint Matthews Ln.	BRANCH OF TUCKAHOE CK	VDOT	8680	Bridge	Yes	1988	1988	79	FO		Yes		2/12/2013	49.9	21.7	789	Secondary
621	Manakin Road	INTERSTATE 64	VDOT	8633	Bridge	Yes	1967	1967	79					2/18/2014	301.8	32.2	1927	Secondary
605	Shannon Hill Road	INTERSTATE-64	VDOT	8608	Bridge	Yes	1969	1969	80					2/24/2014	276.9	36.7	1559	Secondary
629	Old Frdrcksbrg Rd	INTERSTATE-64	VDOT	8644	Bridge	Yes	1969	1969	80					2/24/2014	296.9	36.7	1822	Secondary
6	River Road West	BRANCH OF JAMES RIVER	VDOT	8565	Culvert	Yes	1975	1975	82					6/19/2013	25.9	154	6188	Primary
6	Route 6	BRANCH OF TUCKAHOE CREEK	VDOT	8557	Culvert	No	1975	2004	82					4/24/2012	19	131	17576	Primary
650	River Road	ROUTE 288	VDOT	26561	Bridge	Yes	2003	2003	82					7/15/2014	191.9	32.8	3969	Secondary
740	Tuckahoe Crk. Pkwy	INTERMITTENT CREEK	VDOT	26664	Culvert	Yes	2003	2003	82					5/21/2014	27.3	186	1000	Secondary
610	Community House Rd	LITTLE BYRD CREEK	VDOT	23698	Bridge	Yes	1993	1993	83					6/11/2013	50	20.5	384	Secondary
64	Interstate 64 WBL	UNNAMED TRIBUTARY	VDOT	8574	Culvert	No	1969	1969	83					6/6/2013	18	198	9000	Interstate
288	Route 288 & Ramp B	STREAM	VDOT	26529	Culvert	Yes	2003	2003	84					5/20/2014	45.9	364	2000	Primary
250	Broad Street Road	Horsepen Creek	VDOT	8594	Culvert	No	1932	1932	84					6/18/2013	19	109	2931	Primary
702	Pony Farm Rd.	INTERSTATE-64	VDOT	8678	Bridge	Yes	1968	1968	84					2/25/2014	382.9	30.8	234	Secondary
250	Broad Street Road	LITTLE TUCKAHOE CREEK	VDOT	26280	Bridge	Yes	1999	1999	84					3/26/2014	53.1	135.8	26618	Primary
676	Hermitage Road	UNNAMED TRIBUTARY	VDOT	8675	Culvert	No	1965	1965	85					7/30/2013	15.1	61	1424	Secondary
6	River Road West	BRANCH OF JAMES RIVER	VDOT	8567	Culvert	No	1958	1958	85					7/30/2013	13.1	63	6188	Primary
611	Cedar Plains Rd.	BIG LICKINGHOLE CREEK	VDOT	8623	Bridge	Yes	1994	1994	85					3/28/2014	63	25.6	351	Secondary
632	Fairground Road	Beaverdam Creek	VDOT	8646	Culvert	Yes	1966	1966	86					4/23/2013	27.9	54	7190	Secondary
6	PATTERSON AVE	TUCKAHOE CREEK	VDOT	8571	Bridge	Yes	1971	1971	86					4/7/2014	180.1	86	17576	Primary
603	Tabscott Rd.	JOHNSON CREEK	VDOT	8606	Culvert	Yes	1969	1969	86					5/14/2013	21	41	188	Secondary
632	Fairground Road	Courthouse Creek	VDOT	8647	Culvert	Yes	1966	1966	86					4/16/2013	42	67	6726	Secondary
6	RIVER ROAD WEST	LITTLE LICKINGHOLE CREEK	VDOT	8561	Bridge	Yes	1929	1984	86					4/11/2014	32.5	41.8	3899	Primary
741	Broad Branch Drive	ROUTE 288	VDOT	26602	Bridge	Yes	2003	2003	86					7/16/2014	208	41.8	1000	Secondary
64	Interstate 64 EBL	BR BIG LICKINGHOLE CREEK	VDOT	8584	Culvert	No	1969	1969	86					6/6/2013	11.2	180	12857	Interstate
741	Broad Branch Drive	BROAD BRANCH CREEK	VDOT	26603	Bridge	Yes	2003	2003	86					7/9/2014	529.8	41.8	1000	Secondary
288	Ramp-A Fr 288 SBL	RT 740 & RAMP-D /TC PKWY	VDOT	27877	Bridge	Yes	2003	2003	86					7/28/2014	226	76.1	1000	Primary
623	Hockett Road	BROAD CREEK	VDOT	8638	Culvert	Yes	1973	1973	87					1/30/2013	54.1	54	1718	Secondary
6	Route 6	ROUTE 288	VDOT	26562	Bridge	Yes	2003	2003	87					12/26/2013	177.8	105.6	17576	Primary
623	ASHLAND ROAD	RTE I 64	VDOT	8639	Bridge	Yes	1967	2006	87					10/29/2014	308.1	36.1	9366	Secondary
6	River Road West	BIG LICKINGHOLE CREEK	VDOT	8560	Bridge	Yes	1930	1984	88					3/7/2014	47.9	41.8	3899	Primary
6	River Road West	BYRD	VDOT	8569	Bridge	Yes	1963	2001	88					4/8/2014	190.9	34.1	1615	Primary
613	Riddles Bridge Rd.	BIG LICKINGHOLE CREEK	VDOT	8624	Culvert	Yes	1960	1960	89					5/15/2013	24.9	50	334	Secondary

Table A4: VDOT list of Structures (Bridges and Culverts) in Goochland County

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
250	Broad Street Road	BR BIG LICKINGHOLE CRK	VDOT	8596	Bridge	Yes	1930	2000	89					5/15/2014	23	32.2	1183	Primary
250	Broad Street Rd.	BRANCH OF TUCKAHOE Creek	VDOT	8592	Culvert	No	1961	1961	89					5/16/2013	5.9	38	6577	Primary
634	Maidens Road	COURTHOUSE CREEK	VDOT	26113	Bridge	Yes	2003	2003	89					1/31/2014	82.3	39.5	2724	Secondary
635	Perkinsville Road	INTERSTATE-64 EBL	VDOT	8654	Bridge	Yes	1968	1968	89					2/20/2014	178.1	29.9	230	Secondary
635	Perkinsville Road	INTERSTATE-64 WBL	VDOT	8656	Bridge	Yes	1968	1968	90					2/20/2014	176.8	29.9	230	Secondary
608	Elk Hill Road	TRIB BYRD CREEK	VDOT	26598	Culvert	No	2000	2000	92					12/2/2014	19	40	312	Secondary
667	Old Columbia Rd.	BIG BYRD CREEK	VDOT	8669	Bridge	Yes	1973	1973	92					2/4/2014	172.9	29.9	273	Secondary
619	Newline Road	INTERSTATE-64	VDOT	8630	Bridge	Yes	1969	1969	93	FO				2/20/2014	340.9	31.5	676	Secondary
654	Shallow Well Road	INTERSTATE-64	VDOT	8667	Bridge	Yes	1967	1967	93					2/25/2014	336	29.9	626	Secondary
623	Ashland Road	Br. Little Tuckahoe Ck.	VDOT	8642	Culvert	No	1967	1967	93					5/21/2013	11.2	41	6481	Secondary
603	Elk Island Road	BYRD CREEK	VDOT	8604	Bridge	Yes	1971	1971	94					7/23/2014	49.9	24.3	84	Secondary
621	Manakin Road	BIG TUCKAHOE CREEK	VDOT	8632	Bridge	Yes	1991	1991	95					12/2/2014	83	34.4	1927	Secondary
250	Broad Street Rd.	UNNAMED TRIB	VDOT	8595	Culvert	No	1950	1950	96					6/11/2013	5.9	46	1183	Primary
250	Broad Street Rd.	BR. BIG LICKINGHOLE CR	VDOT	8598	Culvert	No	1950	1950	96					6/11/2013	5.9	42	1183	Primary
632	Fairground Road	BR. OF BEAVERDAM CREEK	VDOT	8648	Culvert	No	1966	1966	96					5/15/2013	17.1	63	7194	Secondary
64	Interstate 64 EBL	BEAVERDAM CREEK	VDOT	8572	Culvert	No	1969	1969	96					6/14/2013	18	125	15982	Interstate
683	Parrish Road	INTERSTATE-64	VDOT	8676	Bridge	Yes	1969	1969	96					1/15/2014	315.9	30.8	131	Secondary
64	Interstate 64 EBL	UNNAMED TRIB	VDOT	8587	Culvert	No	1968	1968	96					6/12/2013	5.9	144	15982	Interstate
64	Interstate 64 EBL	ANDERSON CREEK	VDOT	8579	Culvert	Yes	1967	1967	96					5/23/2013	24.9	213	20311	Interstate
617	Oilville Road	UNNAMED TRIB	VDOT	8626	Culvert	No	1967	1967	96					8/27/2013	17.1	75	9548	Secondary
606	Walton Road	INTERSTATE-64	VDOT	8610	Bridge	Yes	1969	1969	96					1/15/2014	348.1	31.2	723	Secondary
288	Route 288 NBL	BROAD BRANCH	VDOT	27857	Bridge	Yes	2003	2003	96					7/31/2014	195.9	44.6	15673	Primary
288	Route 288 SBL	TUCKAHOE CREEK	VDOT	25228	Bridge	Yes	1997	2003	96					3/26/2014	524	62.3	20224	Primary
288	Route 288 SBL	ROUTE 250 (BROAD STREET)	VDOT	27726	Bridge	Yes	2003	2003	96					11/21/2013	163.1	74.1	16789	Primary
64	Interstate 64 WBL	UNNAMED TRIB	VDOT	8589	Culvert	No	1968	1968	96					6/12/2013	5.9	165	21000	Interstate
64	Interstate 64 EBL	BRANCH OF TUCKAHOE CREEK	VDOT	8577	Culvert	Yes	1967	1967	96					5/21/2013	20	132	20311	Interstate
740	Tuckahoe Creek Pkw	ROUTE 288	VDOT	27869	Bridge	Yes	2003	2003	96					7/28/2014	236.3	125.8	1000	Secondary
608	Davis Mill Road	BR OF WHITEHALL CREEK	VDOT	24999	Culvert	No	1996	1996	97					7/30/2013	15.1	51	359	Secondary
64	Interstate 64 WBL	Beaverdam Creek	VDOT	8573	Culvert	No	1969	1969	97					6/14/2013	18	182	10500	Interstate
64	Interstate 64 EBL	UNNAMED TRIBUTARY	VDOT	8582	Culvert	No	1969	1969	97					6/6/2013	18	135	12857	Interstate
250	Broad Street Rd.	TUCKAHOE CREEK	VDOT	26796	Bridge	Yes	2003	2003	97					12/20/2013	77.1	123	11985	Primary
64	Interstate 64 WBL	ANDERSON CREEK	VDOT	8578	Culvert	Yes	1967	1967	97					5/23/2013	24.9	217	15000	Interstate
64	Interstate 64 WBL	BR BIG LICKINGHOLE CREEK	VDOT	8585	Culvert	No	1969	1969	97					6/6/2013	11.2	197	9000	Interstate
667	Old Columbia Road	LITTLE WHITTLE CREEK	VDOT	29296	Culvert	No	2009	2009	97					9/16/2013	15	60	-1	Secondary

Table A4: VDOT list of Structures (Bridges and Culverts) in Goochland County

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
64	Interstate 64 WBL	BRANCH OF TUCKAHOE CREEK	VDOT	8576	Culvert	Yes	1967	1967	97					5/21/2013	20	122	15000	Interstate
633	Poorhouse Road	Courthouse Creek Branch	VDOT	8650	Culvert	Yes	1961	1961	97					4/17/2013	24.9	30	303	Secondary
64	RAMP H FROM 64 WBL	RTE 64 & LIT TUCKAHOE CK	VDOT	26462	Bridge	Yes	2003	2003	97					1/27/2014	670.9	47.6	3000	Interstate
635	Camel Back Road	Br. BEAVERDAM CREEK	VDOT	28604	Culvert	Yes	2007	2007	97					8/27/2013	22	39	756	Secondary
64	Interstate 64 WBL	UNNAMED TRIBUTARY	VDOT	8588	Culvert	No	1969	1969	97					6/6/2013	5.9	192	9000	Interstate
250	Broad Street Rd.	Br Big Lickinghole Creek	VDOT	8597	Culvert	No	1950	1950	98					6/11/2013	16.1	58	1183	Primary
288	NBL Route 288	RTE 1250 (WEST CRK PRKWY	VDOT	26563	Bridge	Yes	2003	2003	98					7/3/2014	196.9	44.6	15852	Primary
288	Route 288 NBL	ROUTE 250 (BROAD STREET)	VDOT	27724	Bridge	Yes	2003	2003	98					11/21/2013	163.1	62.3	16789	Primary
288	Route 288 SBL	BROAD BRANCH	VDOT	25229	Bridge	Yes	1997	1997	98					2/11/2014	196.9	50.5	15673	Primary
288	SBL Route 288	RTE 1250(WEST CRK PRKWY)	VDOT	26564	Bridge	Yes	2003	2003	98					7/3/2014	192.9	44.6	15852	Primary
288	Route 288 NBL	TUCKAHOE CREEK	VDOT	27856	Bridge	Yes	2003	2003	98					7/15/2014	522	62.3	20224	Primary
608	DAVIS MILL ROAD	TARRANT CREEK	VDOT	30102	Culvert	Yes	2013	2013	98					4/16/2013	43	47	200	Secondary
633	Poorhouse Road	Courthouse Creek	VDOT	8649	Culvert	Yes	1961	1961	99					4/17/2013	21	35	303	Secondary
641	Shallow Well Road	Branch of Genito Creek	VDOT	8660	Culvert	Yes	1990	1990	99					12/2/2014	33.1	44	356	Secondary
6	River Road West	BRANCH OF JAMES RIVER	VDOT	8570	Culvert	No	1950	1950	99					4/24/2012	12.1	92	1615	Primary
673	Whitehall Rd.	BIG LICKINGHOLE CREEK	VDOT	23438	Bridge	Yes	1992	1992	99					5/15/2014	123	36.7	1106	Secondary
639	Sheppard Town Rd.	Beaverdam Creek	VDOT	8658	Culvert	Yes	1986	1986	99					3/13/2014	36.1	53	1139	Secondary
608	Davis Mill Rd.	GRADY'S BRANCH	VDOT	28603	Culvert	Yes	2007	2007	99					8/27/2013	28.9	62	389	Secondary
635	Perkinsville Rd.	Stream	VDOT	8652	Culvert	No	1967	1967	99					6/6/2011	6.9	99	756	Secondary
609	Hickory Hill Road	MILL CREEK	VDOT	8619	Culvert	No	1970	1970	100					9/16/2014	15.1	43	239	Secondary
610	Community House Rd	Branch of Byrd Creek	VDOT	26758	Culvert	No	2001	2001	100					4/17/2013	19	35	384	Secondary
288	Ramp E from 288NBL	LITTLE TUCKAHOE CREEK	VDOT	26463	Bridge	Yes	2003	2003	100					1/16/2014	689	47.6	1000	Primary
288	Ramp-G Fr 288 NBL	I-64 & RAMP H FR 64 WBL	VDOT	26461	Bridge	Yes	2003	2003	100					1/27/2014	504.9	47.6	3000	Primary
288	RAMP A FLYOVER - RO	ROUTE 288	VDOT	27870	Bridge	Yes	2003	2003	100					7/31/2014	332	40.7	1000	Primary
603	Rte. 603 (Tabscott	RANSOME CREEK	VDOT	29825	Culvert	No	2011	2011	100					10/17/2011	16	50	-1	Secondary
618	Whittcamp Rd.	WHITTCAMP CREEK	VDOT	28186	Culvert	No	2005	2005	100					8/27/2013	6.9	50	164	Secondary

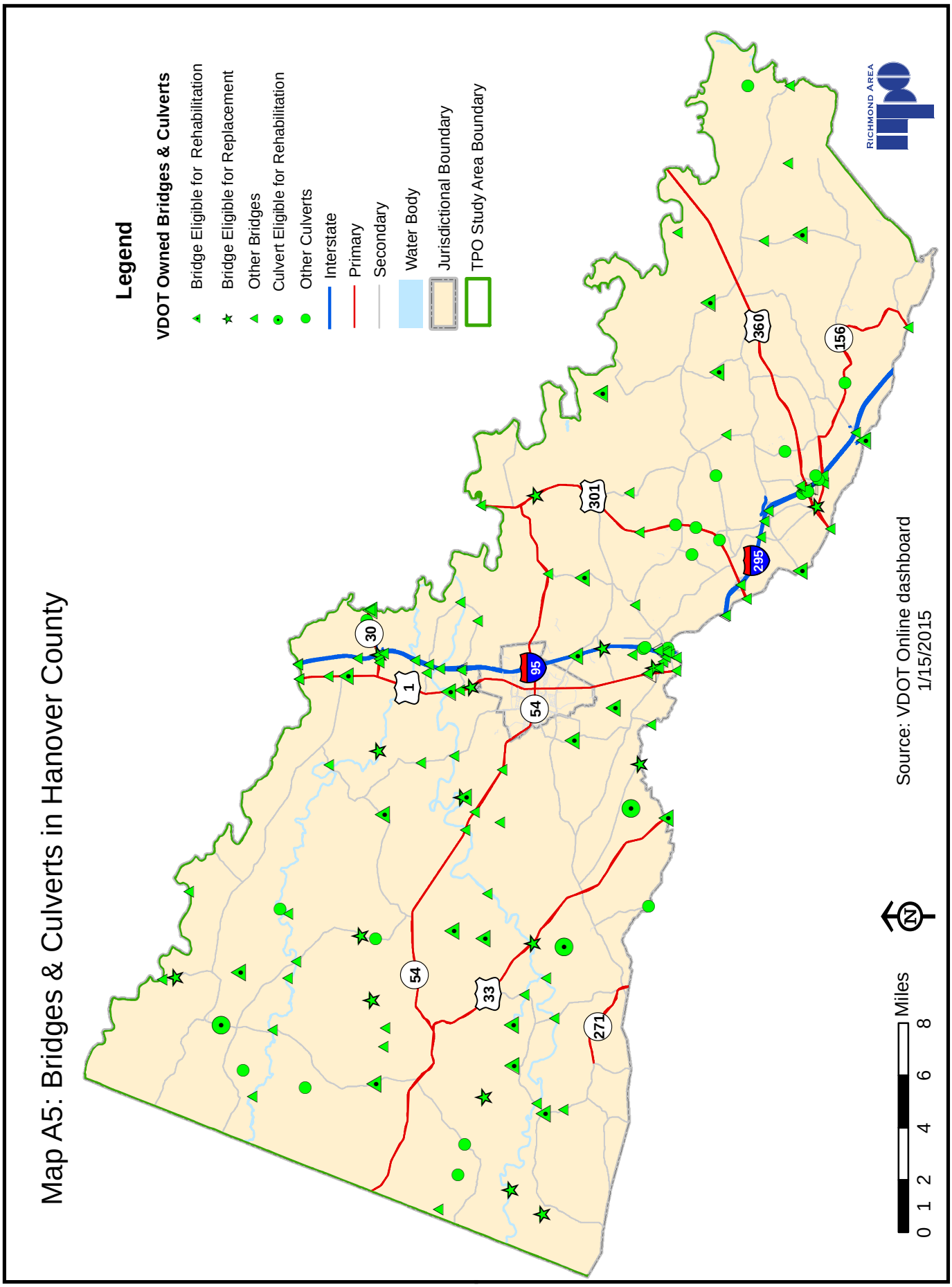
Note : Structures listed in ascending order of Sufficiency Ratings

Deficient Structure with Sufficiency Rating 0 - 49.9 highlighted in red.

Deficient Structure with Sufficiency Rating 50-80 highlighted in green.

Source : VDOT online listing of Bridges by District

URL : http://dashboard.virginiadot.org/Pages/Maintenance/AdvancedBridgeReport.aspx?districtCode=4


Map A5: Bridges & Culverts in Hanover County
Legend
VDOT Owned Bridges & Culverts
Bridge Eligible for Rehabilitation
Bridge Eligible for Replacement
Other Bridges
Culvert Eligible for Rehabilitation
Other Culverts
Interstate
Primary
Secondary
Water Body
Jurisdictional Boundary
TPO Study Area Boundary
RICHMOND AREA MPO
Source: VDOT Online dashboard
1/15/2015
N
0 1 2 4 6 8
Miles
30
1
95
54
301
360
156
295
54
33
271

This page intentionally left blank

Table A5: VDOT list of Structures (Bridges and Culverts) in Hanover County

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
625	GREENWOOD ROAD	CHICKAHOMINY RIVER	VDOT	9500	Bridge	Yes	1937	1975	6	SD	Yes		Posted	6/16/2014	66.9	12.1	939	Secondary
658	GOSHEN ROAD	NEW FOUND RIVER	VDOT	9539	Bridge	Yes	1978	1978	16	SD	Yes		Posted	7/9/2014	42	24.9	1000	Secondary
738	TEMAN ROAD	PUG SWAMP CREEK	VDOT	9589	Bridge	Yes	1913	1978	20	SD	Yes		Posted	4/16/2014	28.9	20.3	618	Secondary
611	Vontay Road	TURKEY CREEK	VDOT	9487	Bridge	No	1960	1986	23	SD	Yes		Posted	1/27/2014	22.3	20.3	506	Secondary
301	HANOVER COURTHOUSE	MECHUMPS CREEK	VDOT	9450	Bridge	Yes	1932	1955	32	FO	Yes			12/4/2013	43	40	7229	Primary
686	HORSESHOE BRIDGE	SOUTH ANNA RIVER	VDOT	9565	Bridge	Yes	1917	1976	33	FO	Yes		Posted	8/28/2014	137.1	11.5	1124	Secondary
1	WASHINGTON HIGHWAY	CSX TRANSPORTATION	VDOT	9363	Bridge	Yes	1934	1973	37	SD	Yes			3/12/2014	162.1	47.2	8100	Primary
661	OLD TELEGRAPH ROAD	STONY RUN	VDOT	9541	Bridge	Yes	1919	1973	38	SD	Yes			6/17/2014	44	15.7	167	Secondary
802	LEWISTOWN ROAD	RTE I 95	VDOT	9596	Bridge	Yes	1961	1991	39	SD	Yes			4/18/2014	264.1	27	9034	Secondary
617	SPRING ROAD	SOUTH ANNA RIVER	VDOT	9492	Bridge	Yes	1959	2012	43	FO	Yes		Posted	10/30/2014	117.1	21	1183	Secondary
156	COLD HARBOR ROAD	RTE 360	VDOT	9412	Bridge	Yes	1968	1968	44	SD	Yes			6/12/2014	191.9	65.9	12437	Primary
610	BETHANY CHURCH RD	TAYLORS CREEK	VDOT	9484	Bridge	Yes	1957	2013	45	FO	Yes		Posted	11/21/2013	65.9	20	1282	Secondary
33	MOUNTAIN ROAD	SOUTH ANNA RIVER	VDOT	9379	Bridge	Yes	1970	1970	47	FO	Yes			3/24/2014	180.1	45.9	9023	Primary
30	WBL KINGS DOMINION	RTE I 95	VDOT	9371	Bridge	Yes	1963	1983	48	FO	Yes			2/14/2013	232	33	5448	Primary
671	COATESVILLE ROAD	NEW FOUND RIVER	VDOT	9551	Bridge	Yes	1940	2007	49	FO	Yes		Posted	7/14/2014	34.1	20	1134	Secondary
688	DOSWELL ROAD	LITTLE RIVER	VDOT	9567	Bridge	Yes	1936	1986	49	FO	Yes		Posted	6/18/2014	68.9	22	714	Secondary
715	Beaver Dam Road	NEW FOUND RIVER	VDOT	9578	Bridge	Yes	1959	1959	50	SD		Yes	Posted	4/21/2014	44	24.3	3250	Secondary
605	RIVER ROAD	CRUMP CREEK	VDOT	9473	Bridge	Yes	1982	1982	50	SD		Yes		2/18/2014	60.4	26	1801	Secondary
738	TEMAN ROAD	LITTLE RIVER	VDOT	9588	Bridge	Yes	1940	1940	50					4/22/2013	185	26.2	774	Secondary
606	STUDLEY ROAD	TOTOPOTOMOY CREEK	VDOT	9476	Bridge	Yes	1952	1952	51	FO		Yes		5/28/2014	48.9	25.9	2076	Secondary
738	TEMAN ROAD	BEAVERDAM CREEK	VDOT	9587	Bridge	Yes	1914	2008	51	FO		Yes	Posted	8/20/2014	48.9	24.9	502	Secondary
660	WINNS CHURCH ROAD	GRASSY SWAMP CREEK	VDOT	9540	Culvert	No	1970	1970	52	SD		Yes	Posted	9/16/2014	17	24	1098	Secondary
30	KINGS DOMINION BVD	NORTH ANNA RIVER	VDOT	9378	Bridge	Yes	1966	1966	58	SD		Yes		3/31/2014	274	31.8	3000	Primary
657	ASHCAKE ROAD	RTE I 95	VDOT	9536	Bridge	Yes	1961	1989	58	FO		Yes		6/13/2014	287.9	27	5173	Secondary
1	WASHINGTON HIGHWAY	SOUTH ANNA RIVER	VDOT	9361	Bridge	Yes	1925	1937	58	FO		Yes		8/6/2014	278.9	45.9	8100	Primary
627	MEADOWBRIDGE ROAD	CHICKAHOMINY RIVER	VDOT	9505	Bridge	Yes	1955	1955	59	FO		Yes		9/25/2014	100.1	30.8	9190	Secondary
295	EBL ROUTE 0295	BEAVERDAM CREEK	VDOT	9430	Bridge	Yes	1979	1979	59	SD		Yes		8/27/2014	170.9	74.1	40024	Interstate
673	WALTONS TAVERN RD	TAYLORS CREEK	VDOT	9555	Bridge	Yes	1941	1941	61	FO		Yes		5/16/2013	39	24.3	1026	Secondary
686	HORSESHOE BRIDGE	STAGG CREEK	VDOT	9566	Bridge	Yes	1975	1975	64	SD		Yes		9/29/2014	33.1	24	1124	Secondary
693	FLANNIGAN MILL RD	MATADEGUIN CREEK	VDOT	9571	Bridge	Yes	1968	1984	65				Posted	4/10/2014	52.3	25	588	Secondary
1	WASHINGTON HIGHWAY	STONEY RUN	VDOT	9364	Bridge	Yes	1923	2006	65	FO		Yes		3/27/2013	33.1	46.6	13718	Primary
658	GOSHEN ROAD	LITTLE RIVER	VDOT	9538	Bridge	Yes	1940	1965	67					6/16/2014	68.9	26.9	302	Secondary
95	Interstate 95 SBL	Lickinghole Creek	VDOT	9398	Culvert	Yes	1959	1959	67					1/31/2013	23	141	35000	Interstate
685	ROCKETTS MILL ROAD	NEW FOUND RIVER	VDOT	9564	Bridge	Yes	1961	1986	68	FO		Yes		6/19/2014	79.1	20.3	673	Secondary
627	POLE GREEN ROAD	MEADOWBRIDGE RD O RT 295	VDOT	9503	Bridge	Yes	1979	1991	68					7/31/2013	537.1	111.9	21571	Secondary
360	MECHANICSVILLE TPK	BR HOWARD CREEK	VDOT	9467	Culvert	No	1964	1964	68					2/13/2013	19	116	22661	Primary
360	MECHANICSVILLE TPK	HOWARD CREEK	VDOT	9468	Culvert	No	1961	1961	68					2/13/2013	13.1	175	22032	Primary

Table A5: VDOT list of Structures (Bridges and Culverts) in Hanover County

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
670	STONE HORSE CR RD	STONE HORSE CREEK	VDOT	9550	Culvert	No	1970	1970	69	SD		Yes		2/10/2014	15	43	1301	Secondary
715	BEAVER DAM ROAD	S. BRANCH BEAVERDAM CRK	VDOT	9581	Culvert	Yes	1947	1947	69	SD		Yes		9/17/2014	21.5	62	1349	Secondary
33	EBL MOUNTAIN ROAD	CHICKAHOMINY RIVER	VDOT	9381	Bridge	Yes	1971	2003	69	SD		Yes		5/14/2014	120.1	50.9	5271	Primary
676	VONTAY ROAD	MILL CREEK	VDOT	9560	Bridge	Yes	1940	1990	69	FO		Yes		6/3/2014	25.9	23.3	930	Secondary
1	WASHINGTON HIGHWAY	CSX TRANSPORTATION	VDOT	9359	Bridge	Yes	1926	2000	69	FO		Yes		3/12/2014	116.1	45.9	3910	Primary
664	HOPEFUL CHURCH RD	TAYLORS CREEK	VDOT	9544	Bridge	Yes	1956	1978	70					5/27/2014	46.9	24.3	624	Secondary
360	MECHANICSVILLE TPK	BR PAMUNKEY RIVER	VDOT	9465	Culvert	No	1960	1978	70					9/11/2013	5.9	128	18412	Primary
301	CHAMBERLAYNE ROAD	OPOSSUM CREEK	VDOT	9459	Culvert	Yes	1956	1977	70					10/21/2014	23	132	27996	Primary
95	I-95 NBL & CD Rd	Stony Run	VDOT	9400	Culvert	Yes	1959	1959	70					1/31/2013	24.9	219	128497	Interstate
95	ROUTE 0095	MILRAY BRANCH	VDOT	9396	Culvert	No	1959	1959	70					10/10/2012	7.9	414	110905	Interstate
360	MECHANICSVILLE TPK	BEAVERDAM CREEK	VDOT	9464	Culvert	Yes	1977	1977	70					11/14/2013	56.1	274	25597	Primary
301	CHAMBERLAYNE ROAD	TOTOPOTOMOY CREEK	VDOT	9454	Culvert	Yes	1978	1978	70					10/21/2014	35.1	145	14682	Primary
301	CHAMBERLAYNE ROAD	CRUMP CREEK	VDOT	9452	Culvert	Yes	1978	1978	70					10/21/2014	24.9	128	9483	Primary
95	ROUTE 0095	BULL RUN	VDOT	9405	Culvert	No	1962	1985	70					2/25/2013	18	337	90899	Interstate
295	ROUTE 0295	BRANDY BRANCH	VDOT	9419	Culvert	Yes	1978	1978	70					9/11/2013	25.9	544	80049	Interstate
1	WASHINGTON HIGHWAY	BR STONEY RUN	VDOT	9366	Bridge	No	1923	1957	71					4/9/2014	12.1	65.9	13718	Primary
615	CREIGHTON ROAD	DRY POND STREAM	VDOT	9490	Culvert	No	1980	1980	72					11/19/2013	6.9	84	11856	Secondary
295	ROUTE 0295	STREAM	VDOT	9438	Culvert	No	1980	1980	72					9/13/2011	13.1	256	98981	Interstate
1	WASHINGTON HIGHWAY	BR NORTH ANNA RIVER	VDOT	9365	Bridge	No	1934	1974	72					4/9/2014	12.1	65	3910	Primary
615	CREIGHTON ROAD	CHICKAHOMINY RIVER	VDOT	9491	Bridge	Yes	1956	2012	72	FO		Yes		9/26/2013	158	27.2	11683	Secondary
715	BEVER DAM ROAD	LITTLE RIVER	VDOT	9579	Bridge	Yes	1957	1980	73					5/12/2014	145	28.9	1349	Secondary
729	Hollowing Creek Rd	HOLLOWING CREEK	VDOT	9583	Culvert	Yes	1967	1967	73					12/11/2014	27.9	52	188	Secondary
606	OLD CHURCH ROAD	MATADEQUIN CREEK	VDOT	9478	Bridge	Yes	1974	1974	73					8/25/2014	51.8	24	462	Secondary
95	NBL ROUTE 0095	LITTLE RIVER	VDOT	9401	Bridge	Yes	1963	1985	74					3/20/2013	184.1	62	50317	Interstate
295	ROUTE 0295	STREAM	VDOT	9445	Culvert	No	1980	1980	74					1/5/2012	8.9	682	80049	Interstate
295	ROUTE 0295	BRANCH	VDOT	9420	Culvert	No	1978	1978	74					1/5/2012	8.9	412	80049	Interstate
680	SHILOH CHURCH ROAD	LITTLE RIVER	VDOT	9561	Bridge	Yes	1966	1966	75					5/14/2014	129.9	29.9	814	Secondary
626	OLD WASHINGTON HWY	CHICKAHOMINY RIVER	VDOT	9502	Bridge	Yes	1983	1983	76					2/18/2014	137.5	31.8	2441	Secondary
1	WASHINGTON HIGHWAY	LITTLE RIVER	VDOT	9360	Bridge	Yes	1925	1992	76	FO		Yes		4/14/2014	149.9	46.3	5701	Primary
95	SBL ROUTE 0095	LITTLE RIVER	VDOT	9402	Bridge	Yes	1963	1985	77					3/21/2013	184.1	62	31500	Interstate
95	SBL ROUTE 0095	NORTH ANNA RIVER	VDOT	9409	Bridge	Yes	1963	1985	77					5/22/2013	349.1	67.6	32500	Interstate
656	MOUNT HERMON ROAD	CAMPBELLS CREEK	VDOT	9529	Bridge	Yes	1971	1971	77	FO		Yes		7/25/2013	25.9	23.6	1227	Secondary
95	Interstate 95 NBL	Lickinghole Creek	VDOT	9399	Culvert	Yes	1959	2003	77					1/31/2013	23	167	55452	Interstate
628	MCCLELLAN ROAD	PARSLEYS CREEK	VDOT	9506	Bridge	No	1930	2006	77	FO		Yes		8/19/2014	17.8	21.7	657	Secondary
626	ELMONT ROAD	STONY RUN CREEK	VDOT	9501	Bridge	Yes	1975	1975	78	FO		Yes		8/25/2014	30.8	23.3	1423	Secondary
295	WBL ROUTE 0295	BEAVERDAM CREEK	VDOT	9431	Bridge	Yes	1979	2007	78					8/27/2014	185	74.1	99000	Interstate
54	E.PATRICK HENRY RD	FALLING CREEK	VDOT	9386	Bridge	No	1930	1977	78					9/24/2014	13.1	40.7	7549	Primary

Table A5: VDOT list of Structures (Bridges and Culverts) in Hanover County

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
671	SCOTCHTOWN ROAD	WALKERS CREEK	VDOT	9554	Bridge	Yes	1988	1988	78	FO		Yes		6/3/2014	32.2	21.7	1590	Secondary
671	SCOTCHTOWN ROAD	CEDAR CREEK	VDOT	9552	Bridge	Yes	1961	1991	78	FO		Yes		4/16/2013	42	22.6	1865	Secondary
712	ROBERT TERREL ROAD	NEW FOUND RIVER	VDOT	24239	Bridge	Yes	1995	1995	78					5/28/2013	63	25.9	978	Secondary
615	WILLIAMSVILLE ROAD	TOTOPOTOMOY CREEK	VDOT	26959	Bridge	Yes	2001	2001	79	FO		Yes		8/20/2013	53.1	24.9	3284	Secondary
295	EBL ROUTE 0295	STREAM	VDOT	9446	Culvert	No	1980	1980	79					1/5/2012	6.9	154	37209	Interstate
642	BELL CREEK ROAD	BRANDY BRANCH	VDOT	28079	Culvert	Yes	1995	1995	79					1/29/2013	169.9	170	17041	Secondary
95	NBL ROUTE 0095	SOUTH ANNA RIVER	VDOT	9403	Bridge	Yes	1963	1982	80					3/20/2013	310	61.7	50317	Interstate
603	LANDORA BRIDGE RD	NORTH ANNA RIVER	VDOT	9472	Bridge	Yes	1970	1970	80					5/21/2014	159.1	29.9	364	Secondary
801	COBBS ROAD	STONY RUN	VDOT	9595	Bridge	Yes	1941	1992	80	FO		Yes		5/27/2014	32.2	23	1564	Secondary
295	WBL ROUTE 0295	STREAM	VDOT	9447	Culvert	No	1980	1980	80					1/5/2012	6.9	150	25000	Interstate
782	LAKERIDGE PARKWAY	STONY RUN CREEK	VDOT	26371	Bridge	Yes	2002	2002	80					3/28/2013	178.1	55.4	5016	Secondary
691	CANTERBURY ROAD	TAYLORS CREEK	VDOT	25558	Bridge	Yes	1998	1998	80	FO		Yes		8/20/2014	63	24.9	1011	Secondary
798	GODDINS HILL ROAD	MECHUMPS CREEK	VDOT	28069	Bridge	Yes	2005	2005	81	FO				4/18/2013	53.1	22	468	Secondary
667	BLUNTS BRIDGE ROAD	NEW FOUND RIVER	VDOT	9547	Bridge	Yes	1941	2003	81	FO				7/25/2013	91.9	20.3	310	Secondary
360	MECHANICSVILLE TPK	BR TOTOPOTOMY CREEK	VDOT	9466	Culvert	No	1961	1961	81					9/11/2013	5.9	177	18412	Primary
301	Chamberlayne NBL	INTERSTATE 295	VDOT	9457	Bridge	Yes	1978	1993	82					1/16/2013	342.8	54	13998	Primary
295	Interstate 295 EBL	CHICKAHOMINY RIVER	VDOT	9449	Bridge	Yes	1979	1993	82					1/7/2013	419.9	86	47257	Interstate
696	WINSTON ROAD	STAGG CREEK	VDOT	9572	Bridge	Yes	1973	1973	82					6/16/2014	41	24	826	Secondary
54	E.PATRICK HENRY RD	STAGG CREEK	VDOT	9383	Bridge	Yes	1927	1977	82					9/17/2014	26.9	40	4720	Primary
95	SBL ROUTE 0095	SOUTH ANNA RIVER	VDOT	9404	Bridge	Yes	1963	1982	83					3/21/2013	310	61.7	31500	Interstate
628	MCCLELLAN ROAD	MATADEQUIN CREEK	VDOT	9507	Bridge	Yes	1974	2006	83					3/28/2013	41	22.6	919	Secondary
295	Interstate 295 WBL	CHICKAHOMINY RIVER	VDOT	9448	Bridge	Yes	1979	1991	84					1/7/2013	419.9	86	29500	Interstate
674	WOODMAN HALL ROAD	NEW FOUND RIVER	VDOT	24369	Bridge	Yes	1995	1995	84					7/9/2013	63	25.9	488	Secondary
301	CHAMBERLAYNE ROAD	KERSEY CREEK	VDOT	28127	Bridge	Yes	2005	2005	84					3/27/2013	85	45.9	7034	Primary
673	HOWARDS MILL ROAD	SOUTH ANNA RIVER	VDOT	9556	Bridge	Yes	1968	1968	85					5/9/2014	232.9	31.2	2322	Secondary
95	NBL ROUTE 0095	CSX TRANSP & RTE 688	VDOT	9392	Bridge	Yes	1963	1986	85					3/12/2013	243.1	61.7	45449	Interstate
156	COLD HARBOR ROAD	BEAVERDAM CREEK	VDOT	9410	Bridge	Yes	1978	1978	85					6/26/2014	186	45.9	12437	Primary
33	WBL MOUNTAIN ROAD	CHICKAHOMINY RIVER	VDOT	9380	Bridge	Yes	1981	1981	86					5/14/2014	153.9	41.7	5271	Primary
95	SBL ROUTE 0095	CSX TRANSP & RTE 688	VDOT	9394	Bridge	Yes	1963	1985	86					3/12/2013	238.8	61.7	32500	Interstate
667	BLUNTS BRIDGE ROAD	SOUTH ANNA RIVER	VDOT	24023	Bridge	Yes	1994	1994	86	FO				9/23/2014	183.1	27.9	310	Secondary
640	SHADY GROVE ROAD	OPOSSUM CREEK	VDOT	9516	Culvert	No	1967	1967	86					3/13/2013	12.1	63	10550	Secondary
1	NBL WASHINGTON HWY	NORTH ANNA RIVER	VDOT	24146	Bridge	Yes	1995	1995	87					2/20/2013	222.1	33.1	7471	Primary
676	Vontay Road	Shop Creek	VDOT	9559	Bridge	Yes	1989	1989	87					5/16/2013	67.9	29.9	1214	Secondary
1	SBL WASHINGTON HWY	NORTH ANNA RIVER	VDOT	24317	Bridge	Yes	1995	1995	87					2/20/2013	222.1	33.1	7471	Primary
685	NEW MARKET MILL RD	LITTLE RIVER	VDOT	25617	Bridge	Yes	2000	2000	87					5/20/2014	126	26.9	371	Secondary
782	LAKERIDGE PARKWAY	LICKINGHOLE CREEK	VDOT	29164	Bridge	Yes	2008	2008	87					6/24/2013	71.9	68.9	2500	Secondary
715	BEAVER DAM ROAD	N. Branch Beaverdam Crk.	VDOT	9580	Culvert	No	1960	1960	88					2/25/2013	12.1	48	1349	Secondary

Table A5: VDOT list of Structures (Bridges and Culverts) in Hanover County

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
615	Williamsville Road	HAWES MILLTRACE	VDOT	9489	Culvert	No	1970	1970	88					11/13/2013	12.1	50	1109	Secondary
680	WOODSONS MILL ROAD	HOLLAND CREEK	VDOT	9562	Culvert	No	1968	1968	88					3/13/2013	13.1	33	278	Secondary
301	CHAMBERLAYNE ROAD	BR CRUMP CREEK	VDOT	9451	Culvert	No	1956	1956	88					2/19/2013	5.9	100	7034	Primary
95	NBL ROUTE 0095	NORTH ANNA RIVER	VDOT	9408	Bridge	Yes	1963	1985	88					4/3/2013	349.1	67.6	45449	Interstate
671	COATESVILLE ROAD	NEEDSTAN CREEK	VDOT	9553	Culvert	No	1961	1961	88	SD				3/10/2014	17.1	30	1134	Secondary
608	PARSONS ROAD	JONES SWAMP	VDOT	9482	Culvert	No	1967	1967	89					2/25/2013	11.2	42	287	Secondary
617	BOURNE ROAD	TAYLORS CREEK	VDOT	9493	Culvert	Yes	1972	1972	89					1/7/2015	24	40	330	Secondary
675	AUBURN MILL ROAD	SOUTH ANNA RIVER	VDOT	9558	Bridge	Yes	1986	1986	89					4/25/2013	177.5	27.3	574	Secondary
656	RELOCATED RTE 656	RTE 95 & LICKINGHOLE CK	VDOT	26360	Bridge	Yes	2004	2004	89					4/11/2013	441.9	101.4	27499	Secondary
609	PARSLEYS MILL RD	Parsley's Creek	VDOT	28209	Culvert	No	2005	2005	89					2/19/2013	13.7	40	251	Secondary
664	GUN BARREL ROAD	BR NEW FOUND RIVER	VDOT	9545	Culvert	No	1964	1964	89					3/13/2013	18	31	502	Secondary
638	ATLEE ROAD	RTE I 295	VDOT	9512	Bridge	Yes	1978	1991	90					7/31/2013	303.1	38.1	7105	Secondary
611	ST PETERS CHURCH	TAYLORS CREEK	VDOT	9485	Bridge	Yes	1990	1990	90					4/9/2014	152.9	27.9	403	Secondary
738	OLD RIDGE ROAD	RTE I 95	VDOT	9590	Bridge	Yes	1982	1982	91					1/28/2013	318.9	37.7	311	Secondary
30	KINGS DOMINION BLD	BR N ANNA RIVER	VDOT	9373	Culvert	Yes	1962	2006	91					10/21/2014	26.9	142	6001	Primary
301	HANOVER COURTHOUSE	PAMUNKEY RIVER	VDOT	9461	Bridge	Yes	1978	1978	92					6/25/2014	299.9	45.9	4449	Primary
156	COLD HARBOR ROAD	RTE I 295	VDOT	9414	Bridge	Yes	1978	2004	92					9/3/2014	569.9	45.9	12437	Primary
156	COLD HARBOR ROAD	Chickahominy River	VDOT	9416	Bridge	Yes	1976	1976	92					5/13/2014	254.9	42	5401	Primary
642	BELL CREEK ROAD	BEAVERDAM CREEK	VDOT	9518	Bridge	Yes	1977	1977	92					6/24/2014	152.9	40.4	4360	Secondary
656	RELOCATED RTE 656	RAMP E1 & STONY RUN CK	VDOT	26361	Bridge	Yes	2004	2004	92					4/8/2013	649	109.3	18343	Secondary
301	Chamberlayne SBL	INTERSTATE 295	VDOT	9455	Bridge	Yes	1978	1993	93					1/16/2013	342.8	54	13998	Primary
646	HICKORY HILL ROAD	BR SOUTH ANNA RIVER	VDOT	24967	Bridge	Yes	1997	1997	93					5/20/2014	33.1	21.7	72	Secondary
1	WASHINGTON HIGHWAY	CHICKAHOMINY RIVER	VDOT	24904	Bridge	Yes	1997	1997	93					9/23/2014	140.1	112.9	25718	Primary
601	HEWLETT ROAD	LITTLE RIVER	VDOT	9470	Bridge	Yes	1976	1976	93					6/23/2014	116.1	29.9	344	Secondary
646	HICKORY HILL ROAD	SBL ROUTE I-95	VDOT	9524	Bridge	Yes	1982	1982	94					9/29/2014	244.1	37.7	223	Secondary
295	EBL ROUTE 0295	RTE 615 (CREIGHTON RD)	VDOT	9424	Bridge	Yes	1979	1979	94					8/21/2013	213.9	86	37209	Interstate
605	RIVER ROAD	TOTOPOTOMOY CREEK	VDOT	9474	Bridge	Yes	1968	1996	94					6/17/2014	43	26.9	149	Secondary
295	WBL ROUTE 0295	RTE 615 (CREIGHTON RD)	VDOT	9422	Bridge	Yes	1979	1979	94					8/22/2013	213.9	86	25000	Interstate
738	TEMAN ROAD	NORTH ANNA RIVER	VDOT	9592	Bridge	Yes	1968	1968	95					5/19/2014	234.9	31.8	618	Secondary
646	HICKORY HILL ROAD	NBL ROUTE I-95	VDOT	9522	Bridge	Yes	1982	1982	95					9/24/2014	244.1	37.7	223	Secondary
1	WASHINGTON HIGHWAY	FALLING CREEK	VDOT	9362	Bridge	Yes	1934	1984	95					9/17/2014	33.1	64	8100	Primary
656	ROUTE 656 RAMP D2	LICKINGHOLE CREEK	VDOT	26366	Bridge	Yes	2004	2004	95					4/9/2013	292	33.1	2000	Secondary
624	CAUTHORNE ROAD	CHICKAHOMINY RIVER	VDOT	9498	Culvert	Yes	1972	1972	95					2/21/2013	30.8	36	1869	Secondary
623	Lakeridge Parkway	CHICKAHOMINY RIVER	VDOT	27369	Bridge	Yes	2002	2002	95					9/22/2014	190	71.2	556	Secondary
738	OLD RIDGE ROAD	CSX TRANSPORTATION	VDOT	9586	Bridge	Yes	1979	1979	95					7/30/2013	151.9	33.8	1083	Secondary
643	LEE DAVIS ROAD	BEAVERDAM CREEK	VDOT	9520	Culvert	Yes	1973	1973	95					12/26/2013	39	67	10352	Secondary
295	WBL ROUTE 0295	RTE 360	VDOT	9434	Bridge	Yes	1979	1979	96					10/4/2013	262.5	86	25000	Interstate

Table A5: VDOT list of Structures (Bridges and Culverts) in Hanover County

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
30	KINGS DOMINION BVD	ROUTE 0095 RAMP A	VDOT	9376	Bridge	Yes	1976	1976	96					8/18/2014	79.1	42	4370	Primary
657	GREENWOOD CHURCH	SOUTH ANNA RIVER	VDOT	26633	Bridge	Yes	2001	2001	96					8/29/2013	176.8	29.9	586	Secondary
643	RURAL POINT ROAD	TOTOPOTOMOY CREEK	VDOT	9519	Bridge	Yes	1988	1988	96					5/6/2014	132.9	35.8	3658	Secondary
156	COLD HARBOR ROAD	POWHITE CREEK	VDOT	9411	Culvert	Yes	1956	1956	97					2/19/2013	21	60	4962	Primary
30	EBL KINGS DOMINION	RTE I 95	VDOT	9374	Bridge	Yes	1976	1976	97					6/13/2014	230	42	5448	Primary
301	NBL CHAMBERLAYNE	CHICKAHOMINY RIVER	VDOT	9463	Bridge	Yes	1978	1978	97					9/26/2013	303.1	42	13621	Primary
835	King's Charter Dr.	STONY RUN CREEK	VDOT	9532	Culvert	Yes	1960	1960	97					12/15/2014	36.1	76	4963	Secondary
835	Kings Acres Road	ROUTE I-95	VDOT	24622	Bridge	Yes	1996	1996	97					4/8/2014	312	47.2	4963	Secondary
54	E.PATRICK HENRY RD	MECHUMPS CREEK	VDOT	9385	Bridge	No	1948	1995	97					5/15/2013	14.1	44	3666	Primary
669	INDEPENDENCE ROAD	FALLING CREEK	VDOT	9549	Culvert	No	1967	1967	97					1/27/2014	19	68	338	Secondary
54	E.PATRICK HENRY RD	BR SOUTH ANNA RIVER	VDOT	9387	Culvert	No	1974	1974	98					1/9/2012	11.2	50	3935	Primary
295	EBL ROUTE 0295	RAMP A O BEAVERDAM CREEK	VDOT	9427	Bridge	Yes	1979	1979	98					8/21/2013	258.9	32.2	1300	Interstate
295	ROUTE 0295 LOOP D	BEAVERDAM CREEK	VDOT	9426	Bridge	Yes	1979	1979	98					8/21/2013	162.1	34.1	1300	Interstate
295	EBL ROUTE 0295	ROUTE 360	VDOT	9432	Bridge	Yes	1979	1979	98					8/19/2013	294.9	86	40024	Interstate
606	STUDLEY ROAD	TOTOPOTOMOY CREEK	VDOT	9477	Culvert	Yes	1963	1963	98					2/27/2013	34.1	62	3695	Secondary
54	W PatrickHenry Rd	SOUTH ANNA RIVER	VDOT	24996	Bridge	Yes	1997	1997	98					5/29/2013	173.9	38.1	4720	Primary
656	ROUTE 656 RAMP E1	RTE 95 & LICKINGHOLE CK	VDOT	26362	Bridge	Yes	2004	2004	98					4/11/2013	598.1	33.1	2000	Secondary
733	ROCKY FORD ROAD	TANYARD CREEK	VDOT	9584	Culvert	Yes	1961	1961	98					11/19/2013	24.9	40	701	Secondary
634	BEATTIES MILL RD	HOWARD CREEK	VDOT	9510	Culvert	No	1965	1965	99					2/19/2013	15.1	31	245	Secondary
630	MARKET ROAD	ELDER CREEK	VDOT	24127	Culvert	No	1994	1994	99					10/4/2012	11.2	30	3617	Secondary
657	ASHCAKE ROAD	STONY RUN CREEK	VDOT	9535	Culvert	No	1960	1960	99					2/21/2013	9.8	41	5173	Secondary
708	PLEASANT MILL ROAD	BR NEW FOUND RIVER	VDOT	9575	Culvert	No	1969	1969	99					2/25/2013	17.1	60	108	Secondary
295	ROUTE 0295 LOOP B	BEAVERDAM CREEK	VDOT	9428	Bridge	Yes	1979	1979	99					8/20/2013	165	34.1	1300	Interstate
95	ROUTE 0095 RAMP A	ROUTE 0095 & F-099	VDOT	9406	Bridge	Yes	1976	1976	99					9/5/2014	457	53.1	3200	Interstate
301	SBL CHAMBERLAYNE	CHICKAHOMINY RIVER	VDOT	9462	Bridge	Yes	1978	1978	99					9/26/2013	303.1	42	13621	Primary
640	SHADY GROVE ROAD	RTE I 295	VDOT	9514	Bridge	Yes	1979	1991	99					8/20/2013	457	87.9	6395	Secondary
656	MOUNT HERMON ROAD	SOUTH MECHUMPS CREEK	VDOT	26963	Culvert	No	2001	2001	99					11/19/2013	19	30	1227	Secondary
295	WBL ROUTE 0295	RAMP G O BEAVERDAM CREEK	VDOT	9429	Bridge	Yes	1979	1979	99					8/21/2013	132.9	32.2	1300	Interstate
611	DUNNS CHAPEL ROAD	SOUTH ANNA RIVER	VDOT	9486	Bridge	Yes	1976	1976	99					5/8/2014	162.1	32.2	612	Secondary
95	ROUTE 95 RAMP A1	STONY RUN CREEK	VDOT	26368	Bridge	Yes	2004	2004	99					3/27/2013	189	33.1	3000	Interstate
652	COOL SPRING ROAD	Totopotomoy Creek	VDOT	25481	Culvert	Yes	1998	1998	99					1/27/2014	24	26	1721	Secondary
30	KINGS DOMINION BLV	CSX TRANSP RAILROAD	VDOT	26112	Bridge	Yes	2004	2004	99					9/22/2014	90.9	70.2	4370	Primary
271	Pouncey Tract Road	GOLDMINE CREEK	VDOT	29503	Culvert	No	2010	2010	99					10/16/2014	16	65	1847	Primary
722	LANDMARK CEDAR RD.	BR LOCUST CREEK	VDOT	28075	Culvert	No	2005	2005	99					2/25/2013	14.1	40	100	Secondary
629	PIPING TREE FERRY	WHITING SWAMP	VDOT	9508	Culvert	No	1967	1967	99	SD				12/15/2014	13.1	52	1125	Secondary
620	DOG WOOD TRL.ROAD	SHOP CREEK	VDOT	9494	Culvert	No	1960	1960	100					2/21/2013	13.1	25	489	Secondary
663	CENTER STREET ROAD	BR STONEY RUN	VDOT	9543	Culvert	No	1960	1960	100					10/16/2014	19	123	1119	Secondary

Table A5: VDOT list of Structures (Bridges and Culverts) in Hanover County

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
715	CLAZEMONT ROAD	TAYLORS CREEK	VDOT	9577	Culvert	Yes	1970	1970	100					1/7/2015	24	43	645	Secondary
295	WBL ROUTE 0295	LOOP D O STREAM	VDOT	9439	Culvert	No	1980	1980	100					9/13/2011	7.9	77	1000	Interstate
1126	AMF DRIVE	STREAM	VDOT	9358	Culvert	No	1980	1980	100					1/9/2012	19	94	1925	Secondary
295	EBL ROUTE 0295	RAMP C O BRANCH	VDOT	9418	Culvert	Yes	1978	1978	100					11/14/2013	24.9	112	1000	Interstate
782	LAKERIDGE PARKWAY	LICKINGHOLE CREEK	VDOT	28055	Culvert	No	2008	2008	100					1/13/2015	55	696	0	Secondary
667	BLUNTS BRIDGE ROAD	FALLING CREEK	VDOT	23728	Culvert	No	1993	1993	100					2/21/2013	14.1	80	734	Secondary
656	ROUTE 656 RAMP E1	STONY RUN CREEK	VDOT	26363	Bridge	Yes	2004	2004	100					4/11/2013	182.1	41.3	2000	Secondary
95	ROUTE 95 RAMP D1	LICKINGHOLE CREEK	VDOT	26369	Bridge	Yes	2004	2004	100					4/9/2013	250	33.1	5000	Interstate
738	OLD RIDGE ROAD	SOUTH ANNA RIVER	VDOT	9585	Bridge	Yes	1986	1986	100					5/5/2014	183.1	29.9	51	Secondary
624	ABNER CHURCH RD.	STONE HORSE CREEK	VDOT	28070	Culvert	No	2005	2005	100					10/16/2014	17.1	50	638	Secondary
656	ROUTE 656 RAMP A2	LICKINGHOLE CREEK	VDOT	26365	Bridge	Yes	2004	2004	100					4/9/2013	182.1	33.1	3000	Secondary
30	KINGS DOMINION BVD	NORTH ANNA RIVER	VDOT	28107	Bridge	Yes	2008	2008	100					6/25/2013	307.1	42.7	3000	Primary
601	Hewlett Road	Beaverdam Creek	VDOT	29501	Culvert	Yes	2010	2010	100					10/16/2014	20	136	400	Secondary
656	SLIDING HILL ROAD	TOTOPOTOMY CREEK	VDOT	28836	Bridge	No	2010	2010	100					3/19/2014	21.3	130	0	Secondary
625	GREENWOOD ROAD	GRASSY SWAMP CREEK	VDOT	28504	Culvert	No	2007	2007	100					1/7/2015	12.1	50	716	Secondary
608	PARSONS ROAD	ROAN HORSE CREEK	VDOT	28318	Culvert	No	2006	2006	100					1/9/2012	11.2	40	287	Secondary
295	EBL ROUTE 0295	RAMP C O STREAM	VDOT	9440	Culvert	No	1979	1979	100					9/13/2011	13.1	100	1000	Interstate
651	Rte. 651	CRUMP CREEK	VDOT	29315	Bridge	Yes	2014	2014	NA					8/4/2014	77.7	38	713	Secondary
360	MECHANICSVILLE TPK	CHICKAHOMINY RIVER	VDOT	28896	Bridge	Yes	2014	2014	NA					10/30/2014	217.5	116	0	Primary

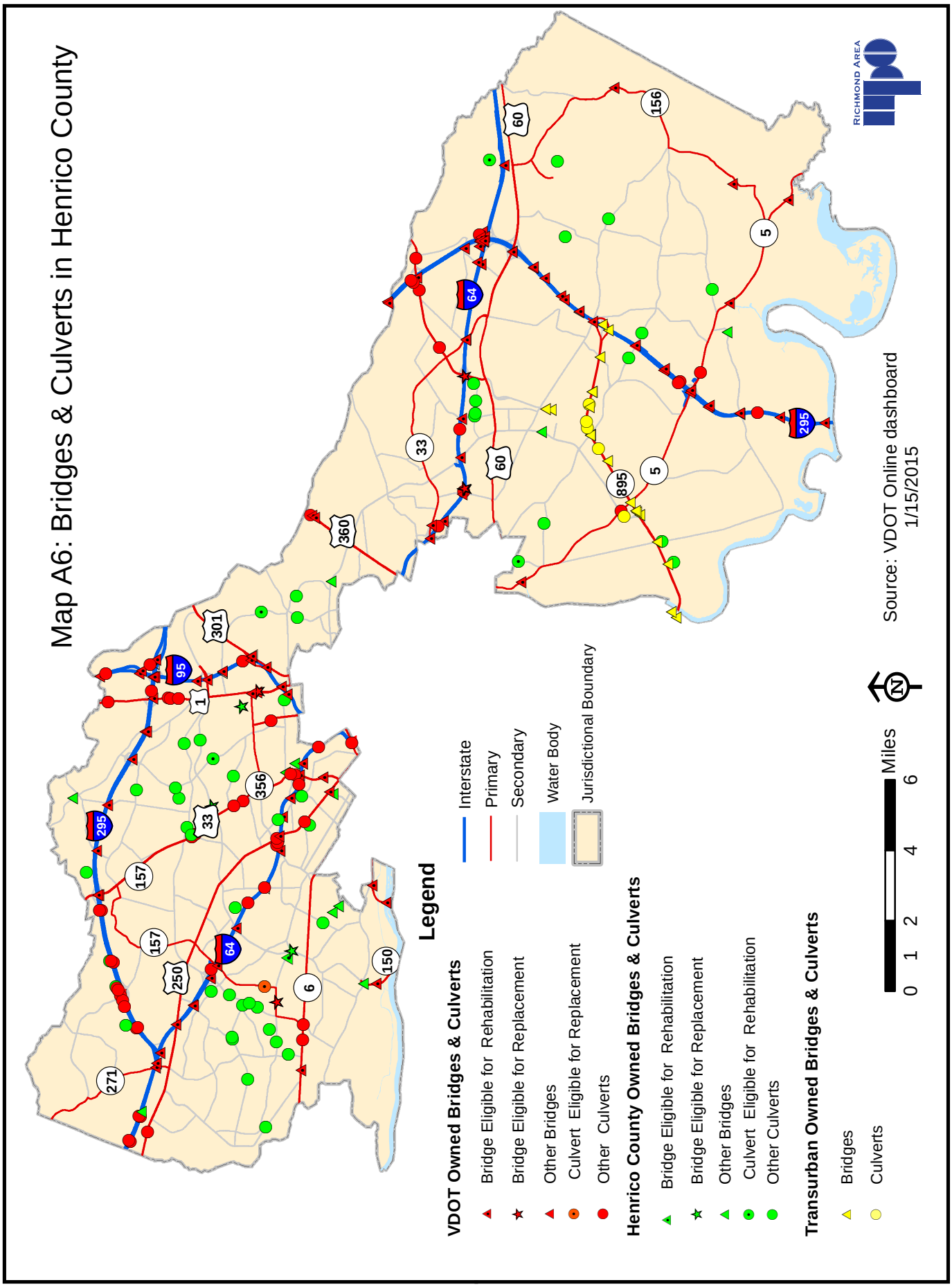
Note : Structures listed in ascending order of Sufficiency Ratings

Deficient Structure with Sufficiency Rating 0 - 49.9 highlighted in red.

Deficient Structure with Sufficiency Rating 50-80 highlighted in green.

Source : VDOT online listing of Bridges by District

URL : http://dashboard.virginiadot.org/Pages/Maintenance/AdvancedBridgeReport.aspx?districtCode=4


Map A6: Bridges & Culverts in Henrico County
Legend
VDOT Owned Bridges & Culverts
Bridge Eligible for Rehabilitation
Bridge Eligible for Replacement
Other Bridges
Culvert Eligible for Replacement
Other Culverts
Henrico County Owned Bridges & Culverts
Bridge Eligible for Rehabilitation
Bridge Eligible for Replacement
Other Bridges
Culvert Eligible for Rehabilitation
Other Culverts
Transurban Owned Bridges & Culverts
Bridges
Culverts
Interstate
Primary
Secondary
Water Body
Jurisdictional Boundary
0 1 2 4 6
Miles
N
Source: VDOT Online dashboard
1/15/2015
RICHMOND AREA

This page intentionally left blank

Table A6: VDOT list of Structures (Bridges and Culverts) in Henrico County

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
0	LAKESIDE AVENUE	NORTH RUN	Henrico County	9657	Bridge	Yes	1954	1954	11	SD	Yes			5/6/2014	44	30.2	8055	Urban
1	NBL BROOK ROAD	UPHAM BROOK	VDOT	9716	Bridge	Yes	1921	1971	36	SD	Yes			8/8/2014	92.8	34.4	12144	Primary
157	PEMBERTON ROAD	UNNAMED TR DP RUN CK	VDOT	9872	Bridge	Yes	1962	1976	37	FO	Yes			8/18/2014	22	63.6	12565	Primary
0	BYRD HILL ROAD	UPHAM BROOK	Henrico County	9640	Bridge	Yes	1962	1962	40					5/1/2014	52	27.2	1816	Urban
0	PARHAM ROAD	CSX RAILWAY	Henrico County	9634	Bridge	Yes	1967	1997	42	SD	Yes			7/8/2014	160	68	27799	Urban
157	PEMBERTON ROAD	STONY RUN	VDOT	9877	Culvert	Yes	1965	1965	45	SD	Yes			12/17/2014	58.1	62	8946	Primary
64	WBL ROUTE 0064	RTE 156	VDOT	9762	Bridge	Yes	1964	1996	47	SD	Yes			8/28/2014	222	46.9	25000	Interstate
64	EBL ROUTE 0064	RTE 156	VDOT	9760	Bridge	Yes	1964	1964	48	SD	Yes			8/28/2014	222.1	46.9	16110	Interstate
64	EBL ROUTE 0064	NORFOLK SOUTHERN RWY	VDOT	9808	Bridge	Yes	1968	1988	48	SD	Yes			9/24/2014	377	46.9	28441	Interstate
64	WBL ROUTE 0064	NORFOLK SOUTHERN RWY	VDOT	9809	Bridge	Yes	1968	1988	48	SD	Yes			9/23/2014	377	46.9	30000	Interstate
0	PARHAM ROAD	SHOPPING CENTER ROAD	Henrico County	9676	Bridge	Yes	1975	1975	49	FO	Yes			6/8/2014	33.1	101	25723	Urban
42	COX ROAD	WBL ROUTE 0064	VDOT	9616	Bridge	Yes	1967	1967	54	FO		Yes		4/8/2014	166	36.4	15961	Secondary
33	NINE MILE ROAD	STONY CREEK	VDOT	9734	Bridge	No	1934	2004	54					5/30/2013	23	64	25072	Primary
156	WILLIS CHURCH ROAD	CREWES CHANNEL	VDOT	9863	Culvert	No	1984	1984	55	SD		Yes	Posted	8/28/2014	12.1	48	224	Primary
195	ROUTE 0195	RTE 197 & CSX TRANSP. RR	VDOT	9880	Bridge	Yes	1974	1991	56					11/21/2014	1857.9	118.1	85749	Interstate
7667	SKIPWITH ROAD	ROUTE 0064	VDOT	9612	Bridge	Yes	1967	1967	57	SD		Yes		8/29/2014	352	40	12632	Secondary
5	NEW MARKET ROAD	BAILEYS CK @ CURLES-NECK	VDOT	9722	Bridge	Yes	1942	1974	57	FO		Yes		5/29/2014	24.9	31.2	2526	Primary
157	PEMBERTON ROAD	RTE I 64	VDOT	9875	Bridge	Yes	1967	1967	58	SD		Yes		11/14/2014	370	36.5	11078	Primary
33	STAPLES MILL ROAD	UPHAM BROOK	VDOT	9744	Culvert	Yes	1966	1982	58					11/24/2014	44	182	34928	Primary
7552	DUMBARTON ROAD	ROUTE 0095	VDOT	9668	Bridge	Yes	1958	1996	59	FO		Yes		5/29/2013	184.1	74.1	10077	Secondary
64	ROUTE 0064	UPHAM BROOK	VDOT	9788	Culvert	Yes	1968	1968	59					12/11/2013	50.9	268	96089	Interstate
64	ROUTE 0064	JORDANS BRANCH	VDOT	9801	Culvert	Yes	1968	1968	59					12/11/2013	33.1	196	130457	Interstate
0	SCOTT ROAD	ROUTE I 95	VDOT	9630	Bridge	Yes	1962	2003	60	FO		Yes		6/24/2013	265.1	28.9	550	Secondary
42	COX ROAD	EBL ROUTE 0064	VDOT	9618	Bridge	Yes	1967	1990	60	FO		Yes		4/8/2014	160.1	36.4	15961	Secondary
64	ROUTE 0064	GILLIES CREEK	VDOT	9796	Culvert	Yes	1968	1968	60					10/31/2013	44.9	295	56883	Interstate
73	EBL PARHAM ROAD	ROUTE I-95	VDOT	9830	Bridge	Yes	1962	1991	63	FO		Yes		1/21/2013	225.1	43	18348	Primary
64	ROUTE 0064	BOAR SWAMP CREEK	VDOT	9764	Culvert	No	1965	1965	63					2/11/2014	5.9	378	67060	Interstate
7607	OAKLEYS LANE	ROUTE 0064	VDOT	9628	Bridge	Yes	1964	1964	64					5/28/2014	287.1	33.1	7252	Secondary
64	ROUTE 0064	STONY RUN	VDOT	9803	Culvert	Yes	1968	1968	64					3/14/2013	34.1	256	56883	Interstate
301	SBL CHAMBERLAYNE	RTE I 95	VDOT	10008	Bridge	Yes	1962	1992	65	FO		Yes		1/22/2013	378	33.1	17114	Primary
60	WILLIAMSBURG ROAD	BOAR SWAMP CREEK	VDOT	9754	Culvert	No	1979	1979	65					11/6/2013	16.1	318	13514	Primary
0	HUNTON PARK BLVD	STREAM	Henrico County	28430	Culvert	Yes	2004	2004	65					9/11/2014	24	147	4398	Urban
0	QUIOCCASIN ROAD	SHOPPING CENTER ROAD	Henrico County	9674	Bridge	Yes	1975	1975	65	FO		Yes		6/11/2014	80.1	29.9	5554	Urban
301	SBL CHAMBERLAYNE	RTE I 95 & UPHAM BROOK	VDOT	10010	Bridge	Yes	1962	1992	66	FO		Yes		1/22/2013	301.8	43	8557	Primary
64	WBL ROUTE 0064	RTE 33	VDOT	9758	Bridge	Yes	1964	1964	66	SD		Yes		4/16/2014	202.1	44	25000	Interstate
60	EBL WILLIAMSBURG	RTE I 295	VDOT	9750	Bridge	Yes	1979	1991	66	SD		Yes		10/9/2014	769	56.1	6757	Primary
64	EBL ROUTE 0064	RTE 33	VDOT	9756	Bridge	Yes	1964	1964	67	SD		Yes		4/16/2014	202.1	44	16110	Interstate
295	ROUTE 0295	STREAM	VDOT	9973	Culvert	No	1980	1980	67					11/3/2011	19	415	40000	Interstate

Table A6: VDOT list of Structures (Bridges and Culverts) in Henrico County

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
0	VA CENTER PARKWAY	RTE 0095 & RTE 0095 CONN	VDOT	9622	Bridge	Yes	1980	1991	68					3/14/2013	736.9	86	500	Secondary
7647	BETHLEHEM ROAD	RTE I 64	VDOT	9604	Bridge	Yes	1967	1967	68					10/30/2014	273	40	5891	Secondary
7555	NBL LABURNUM AVE	ROUTE 0064	VDOT	9626	Bridge	Yes	1964	1997	68	FO		Yes		2/13/2013	310	41.3	10484	Secondary
	ACCESS ROAD	UPHAM BROOK	Henrico County	9603	Bridge	Yes	1962	1962	68	FO		Yes		9/10/2014	108	23	662	Urban
0	PARHAM ROAD	NORTH RUN CREEK	Henrico County	9670	Culvert	Yes	1967	1967	68					5/5/2014	75	108	24081	Urban
295	ROUTE 0295	JAMES RIVER @	VDOT	10007	Bridge	Yes	1990	2012	69					5/20/2013	4686	125.7	34944	Interstate
64	ROUTE 0064	BRIELS MARSH	VDOT	9767	Culvert	No	1964	2000	69					2/12/2013	17.1	680	32220	Interstate
0	MEADOW ROAD	BOAR SWAMP	Henrico County	9652	Culvert	Yes	1954	1954	70	SD		Yes		8/7/2014	23	45	813	Urban
33	NINE MILE ROAD	ROUTE 0064	VDOT	9745	Bridge	Yes	1968	1988	70	SD		Yes		11/20/2014	350.1	106	25072	Primary
95	SBL ROUTE 0095	BRANCH	VDOT	9841	Culvert	No	1962	1981	70					1/24/2012	16.1	359	40000	Interstate
250	BROAD STREET ROAD	Mills Creek	VDOT	25387	Culvert	Yes	1999	1999	70					12/17/2013	36.1	196	25630	Primary
33	STAPLES MILL ROAD	ROCKY BRANCH	VDOT	23866	Culvert	Yes	1993	1993	70					11/13/2013	37.1	138	34928	Primary
95	ROUTE 0095	BRANCH	VDOT	9842	Culvert	No	1962	1980	70					1/24/2012	17.1	701	128497	Interstate
64	RAMP E OF I-64	ROUTE 0064	VDOT	9774	Bridge	Yes	1967	1967	70					10/7/2014	257.9	35.1	5000	Interstate
64	ROUTE 0064	HORSEPEN BRANCH	VDOT	9800	Culvert	Yes	1968	1968	70					12/11/2013	25.9	332	130457	Interstate
33	STAPLES MILL ROAD	HUNGARY CREEK	VDOT	9738	Culvert	Yes	1958	1991	70					9/3/2014	43	126	21108	Primary
95	ROUTE 0095	BRANCH	VDOT	9844	Culvert	No	1962	1962	70					2/12/2013	6.9	312	95552	Interstate
95	ROUTE 0095	BRANCH	VDOT	9840	Culvert	Yes	1962	1978	70					12/16/2014	23	193	128497	Interstate
64	ROUTE 0064	STONY RUN	VDOT	9802	Culvert	No	1968	1968	70					10/8/2014	8.9	276	73798	Interstate
64	ROUTE 0064	UPHAM BROOK	VDOT	9786	Culvert	Yes	1968	1968	70					10/30/2013	25.9	200	96089	Interstate
64	ROUTE 0064	STREAM	VDOT	9789	Culvert	No	1968	1968	70					2/7/2012	5.9	180	96089	Interstate
95	ROUTE 0095	FLIPPEN CREEK	VDOT	9845	Culvert	Yes	1962	1962	70					10/30/2013	26.9	306	95552	Interstate
64	ROUTE 0064	STREAM	VDOT	9787	Culvert	No	1968	1968	70					2/7/2012	13.1	175	96089	Interstate
64	ROUTE 0064	STREAM	VDOT	9790	Culvert	No	1967	1967	70					10/16/2012	5.9	233	111084	Interstate
33	STAPLES MILL ROAD	STREAM	VDOT	9736	Culvert	Yes	1956	1993	70					11/13/2013	23	130	33463	Primary
1	BROOK ROAD	STREAM	VDOT	9717	Culvert	No	1982	1982	70					11/7/2012	6.9	191	45483	Primary
64	ROUTE 0064	STREAM	VDOT	9791	Culvert	No	1968	1968	70					10/16/2012	5.9	217	111084	Interstate
197	WESTWOOD ROAD	WESTWOOD AV O STREAM	VDOT	9882	Culvert	Yes	1950	1950	71					11/14/2013	21	70	13565	Primary
33	STAPLES MILL ROAD	RMP E OF RTE I 64	VDOT	9741	Bridge	Yes	1967	1967	71					10/9/2014	149	80.1	18566	Primary
5	New Market Road	CORNELIUS CREEK	VDOT	9726	Culvert	Yes	1941	2001	71					12/11/2014	21	111	7707	Primary
156	AIRPORT DRIVE N.	TUCKERS BRANCH	VDOT	9871	Culvert	Yes	1960	1983	71					11/20/2014	22	152	16319	Primary
0	WILKINSON ROAD	UPHAM BROOK	Henrico County	9661	Culvert	Yes	1954	1954	72	SD		Yes		7/2/2014	33	36	6220	Urban
64	ROUTE 0064	BOAR SWAMP	VDOT	9766	Culvert	No	1965	1965	72					3/22/2011	19	246	67060	Interstate
64	ROUTE 0064	CLOPTONS BRANCH	VDOT	9765	Culvert	No	1965	1965	72					2/6/2012	5.9	316	67060	Interstate
64	WBL ROUTE 0064	MASONIC LANE	VDOT	9806	Bridge	Yes	1968	1986	73					8/27/2014	181.1	54.1	30000	Interstate
64	ROUTE 0064	CREEK	VDOT	9769	Culvert	No	1965	1965	73					2/6/2012	14.1	213	47475	Interstate
295	ROUTE 0295	BROAD WATER SWAMP	VDOT	9948	Culvert	Yes	1980	1980	74					10/31/2013	36.1	474	74418	Interstate
161	HILLIARD ROAD	NORTH RUN	VDOT	9878	Bridge	Yes	1947	1993	74					7/24/2013	54.1	77.1	7845	Primary

Table A6: VDOT list of Structures (Bridges and Culverts) in Henrico County

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
271	POUNCEY TRACT ROAD	ROUTE I-64	VDOT	26671	Bridge	Yes	2008	2008	74					8/14/2013	340.9	82.3	11345	Primary
64	ROUTE 0064	STREAM	VDOT	9797	Culvert	No	1968	1968	75					2/7/2012	13.1	199	47475	Interstate
5	NEW MARKET ROAD	CREWES CHANNEL	VDOT	9723	Bridge	No	1941	1951	75					5/28/2014	13.1	35.1	2323	Primary
64	EBL ROUTE 0064	MASONIC LANE	VDOT	9804	Bridge	Yes	1968	1986	75					8/27/2014	190	54.1	28441	Interstate
156	AIRPORT DRIVE N.	BROAD WATER SWAMP	VDOT	9870	Culvert	Yes	1980	1980	75					10/31/2013	38.1	155	16319	Primary
295	WBL ROUTE 0295	UNNAMED TRIBUTARY	VDOT	9943	Culvert	Yes	1979	1979	75					9/17/2013	26.9	240	73000	Interstate
1	SBL BROOK ROAD	UPHAM BROOK	VDOT	9715	Bridge	Yes	1939	1985	76	FO		Yes		8/8/2014	85	26.6	12144	Primary
356	HILLIARD ROAD	CSX RAILWAY	VDOT	10013	Bridge	Yes	1982	1982	76					7/16/2013	227	83	16864	Primary
95	NBL ROUTE 0095	UPHAM BROOK	VDOT	9837	Bridge	Yes	1962	2014	76					9/25/2014	115.2	57.3	47776	Interstate
95	NBL ROUTE 0095	STREAM	VDOT	9853	Culvert	No	1979	1979	76					11/15/2011	17.1	235	64248	Interstate
0	GASKINS ROAD	MIDDLE DEEP RUN	Henrico County	9697	Culvert	Yes	1987	1987	76					1/9/2014	34.1	105	30062	Secondary
147	HUGUENOT ROAD	LITTLE WESTHAM CREEK	VDOT	9854	Bridge	Yes	1949	1985	77	FO		Yes		7/8/2014	25.3	90.9	25885	Primary
73	WBL PARHAM ROAD	ROUTE I-95	VDOT	9828	Bridge	Yes	1978	1992	77	FO		Yes		4/9/2014	204.1	53.8	18348	Primary
7555	SBL LABURNUM AVE	ROUTE 0064	VDOT	9624	Bridge	Yes	1964	1997	77	FO		Yes		2/13/2013	310	37.7	10484	Secondary
7536	GLENSIDE DRIVE	UPHAM BROOK	VDOT	9700	Culvert	Yes	1967	1967	77					1/23/2014	42	150	26577	Secondary
64	ROUTE 0064	STREAM	VDOT	9821	Culvert	No	1979	1998	77					9/19/2011	6.9	259	55004	Interstate
0	NEW OSBORNE TURNPK	ALMOND CREEK	Henrico County	9646	Culvert	Yes	1901	1970	77	FO		Yes		7/2/2014	20	25	2105	Urban
60	WILLIAMSBURG ROAD	STREAM	VDOT	9752	Culvert	No	1979	1979	77					10/18/2011	13.1	168	13599	Primary
60	WILLIAMSBURG ROAD	STREAM	VDOT	9753	Culvert	No	1979	1979	77					10/18/2011	18	220	13514	Primary
60	WILLIAMSBURG ROAD	STREAM	VDOT	9755	Culvert	No	1979	1979	77					10/18/2011	6.9	204	13514	Primary
0	LABURNUM AVENUE	CSX RAILWAY	Henrico County	9635	Bridge	Yes	1963	1985	77					5/6/2013	155.8	67.9	27197	Urban
64	ROUTE 0064	BROAD WATER CREEK	VDOT	9768	Culvert	No	1965	1965	78					10/16/2012	17.1	174	32220	Interstate
295	WBL RTE 0295 COLL	NS RAILWAY	VDOT	9910	Bridge	Yes	1979	1979	78					11/19/2013	149.9	43.8	20000	Interstate
33	STAPLES MILL ROAD	JORDANS BRANCH	VDOT	9735	Bridge	Yes	1953	1978	78					7/8/2014	44.7	107	18566	Primary
64	EBL ROUTE 0064	DEEP RUN CREEK	VDOT	9783	Culvert	No	1964	1988	78					9/25/2012	9.8	293	45771	Interstate
895	POCAHONTAS PARKWAY	STREAM	Transurban	27261	Culvert	No	2002	2002	78					6/3/2014	9.8	215	16143	Primary
64	EBL ROUTE 0064	STREAM	VDOT	9784	Culvert	No	1964	1988	78					11/5/2012	8.9	142	45771	Interstate
64	EBL ROUTE 0064	STREAM	VDOT	9826	Culvert	No	1988	1988	78					11/5/2012	8.9	140	45771	Interstate
95	NBL ROUTE 0095	WILKINSON ROAD	VDOT	9834	Bridge	Yes	1962	1980	79					10/7/2014	144	56.1	47776	Interstate
64	ROUTE 0064	STREAM	VDOT	9772	Culvert	No	1965	1965	79					9/26/2012	5.9	262	32220	Interstate
295	ROUTE 0295	ROUNDABOUT CREEK	VDOT	9999	Culvert	Yes	1987	1987	79					12/19/2013	49.9	275	34944	Interstate
0	GASKINS ROAD	OLD HOUSE BRANCH	Henrico County	9696	Culvert	Yes	1987	1987	79					1/9/2014	45.9	103	20962	Secondary
0	GASKINS ROAD	STONEY RUN	Henrico County	9695	Culvert	Yes	1987	1987	79					1/9/2014	42	141	20962	Secondary
95	SBL ROUTE 0095	WILKINSON ROAD	VDOT	9832	Bridge	Yes	1962	1980	80					10/7/2014	132.9	56.1	39000	Interstate
295	EBL ROUTE 0295	HOLIDAY CREEK	VDOT	9962	Culvert	No	1979	1979	80					11/15/2011	15.1	147	26108	Interstate
7536	Glenside Drive	ROUTE I-64	VDOT	9610	Bridge	Yes	1967	1980	80					8/12/2013	400.9	92.5	26577	Secondary
64	EBL ROUTE 0064	GILLIES CREEK	VDOT	9771	Culvert	Yes	1965	1965	80					10/30/2013	47.9	110	23737	Interstate
295	EBL ROUTE 0295	COLL RD O STREAM	VDOT	9972	Culvert	No	1979	1979	80					11/3/2011	13.1	135	23500	Interstate

Table A6: VDOT list of Structures (Bridges and Culverts) in Henrico County

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
295	WBL ROUTE 0295	WB CONN O STREAM	VDOT	9954	Culvert	No	1980	1980	80					11/7/2011	7.9	170	29500	Interstate
6	PATTERSON AVENUE	CABIN BRANCH	VDOT	9732	Culvert	Yes	1970	1970	80					3/14/2013	28.9	137	28219	Primary
301	NBL CHAMBERLAYNE	UPHAM BROOK	VDOT	10012	Bridge	Yes	1962	2012	80	FO		Yes		8/22/2013	108.7	39.7	8557	Primary
156	AIRPORT DRIVE S.	STREAM	VDOT	9865	Culvert	No	1965	1965	80					9/24/2012	5.9	128	31722	Primary
64	WBL ROUTE 0064	GILLIES CREEK	VDOT	9770	Culvert	Yes	1965	1965	80					10/30/2013	47.9	113	25000	Interstate
295	EBL ROUTE 0295	ALLENS BRANCH	VDOT	9934	Culvert	Yes	1979	1979	80					10/24/2013	25.9	131	55000	Interstate
295	EBL ROUTE 0295	ROOTY BRANCH	VDOT	9938	Culvert	Yes	1979	1979	80					4/3/2013	28.9	156	25396	Interstate
295	EBL ROUTE 0295	MEREDITH BRANCH	VDOT	9940	Culvert	Yes	1979	1979	80					4/3/2013	35.1	155	25396	Interstate
0	RIDGEFIELD PARKWAY	MIDDLE DEEP RUN	Henrico County	9694	Culvert	Yes	1987	1987	80					1/8/2014	44.9	115	16811	Secondary
7514	GASKIN ROAD	STREAM	VDOT	9704	Culvert	No	1988	1995	80					10/20/2011	17.1	285	44059	Secondary
295	EBL ROUTE 0295	ALLEN BRANCH	VDOT	9951	Culvert	No	1979	1979	80					9/14/2011	19	111	25396	Interstate
295	ROUTE 0295	NORTH RUN	VDOT	9963	Culvert	No	1980	1980	80					11/15/2011	18	492	29000	Interstate
295	EBL ROUTE 0295	COLL RD O STREAM	VDOT	9966	Culvert	No	1979	1979	80					11/8/2011	13.1	98	23500	Interstate
295	ROUTE 0295	STREAM	VDOT	10003	Culvert	No	1987	1987	80					9/24/2012	17.1	350	30165	Interstate
0	INTERNATNL CENT DR	STREAM	Henrico County	27604	Culvert	Yes	1995	1995	80					7/8/2013	36.8	75	1761	Urban
0	RIDGEFIELD PARKWAY	FLAT BRANCH	Henrico County	23653	Culvert	Yes	1991	1991	80					5/10/2013	43	112	18362	Secondary
0	DUMBARTON ROAD	CSX RAILWAY	Henrico County	9642	Bridge	Yes	1966	1985	80					5/7/2014	190	73	14463	Urban
0	WOODMAN ROAD	STREAM	Henrico County	9658	Culvert	Yes	1955	1955	80	FO		Yes		5/2/2014	46	43	8067	Urban
0	WOOD ROAD	LITTLE WESTHAM CREEK	Henrico County	9663	Bridge	Yes	1957	1957	80					6/12/2014	34.1	32.2	614	Urban
0	THREE CHOPT ROAD	DEEP RUN CREEK	Henrico County	9667	Culvert	Yes	1972	1972	80					6/4/2014	32.2	56	9473	Urban
60	WBL WILLIAMSBURG	RTE I 295	VDOT	9748	Bridge	Yes	1979	1991	81					10/3/2013	772	56.1	6757	Primary
295	WBL ROUTE 0295	OLD WASH HWY & CSX TRANS	VDOT	9898	Bridge	Yes	1979	1979	81					11/22/2013	348.1	61.7	58000	Interstate
295	EBL ROUTE 0295	DEERLICK BRANCH	VDOT	10004	Culvert	Yes	1987	1987	81					1/23/2014	26.9	206	15082	Interstate
295	WBL ROUTE 0295	STREAM	VDOT	9970	Culvert	No	1979	1979	81					11/3/2011	15.1	165	20000	Interstate
7706	NUCKOLS ROAD	ALLEN BRANCH	VDOT	9690	Culvert	Yes	1980	1995	81					2/12/2013	44.9	219	31612	Secondary
64	WBL ROUTE 0064	Mills Creek	VDOT	9781	Culvert	Yes	1968	1968	81					12/10/2013	21	218	18000	Interstate
295	ROUTE 0295	STREAM	VDOT	9969	Culvert	No	1979	2000	81					2/12/2013	6.9	409	21050	Interstate
295	EBL ROUTE 0295	Turner Run	VDOT	9957	Culvert	No	1979	1979	81					10/17/2011	18	309	16257	Interstate
295	WBL ROUTE 0295	HOLIDAY CREEK	VDOT	9961	Culvert	No	1979	1979	81					10/17/2011	13.1	138	14500	Interstate
295	EBL ROUTE 0295	STREAM	VDOT	9955	Culvert	No	1980	1980	81					11/7/2011	7.9	320	16257	Interstate
250	BROAD STREET ROAD	UPHAM BROOK	VDOT	9888	Culvert	Yes	1967	1980	81					12/19/2013	38.1	145	36421	Primary
156	AIRPORT DRIVE N.	STREAM TO CHICKAHOMNY RV	VDOT	9869	Culvert	Yes	1980	1980	81					9/26/2013	32.2	140	5630	Primary
295	WBL ROUTE 0295	DEERLICK BRANCH	VDOT	10001	Culvert	Yes	1987	1987	81					1/23/2014	26.9	223	20000	Interstate
156	AIRPORT DRIVE S.	STREAM	VDOT	9864	Culvert	No	1965	1965	81					9/24/2012	13.1	184	31722	Primary
0	RIDGEFIELD PARKWAY	STONEY RUN	Henrico County	9692	Culvert	Yes	1987	1987	81					1/8/2014	53.1	118	14360	Secondary
0	RIDGEFIELD PARKWAY	STREAM TO STONEY RUN	Henrico County	9693	Culvert	Yes	1987	1987	81					1/8/2014	22	115	14360	Secondary
250	BROAD STREET ROAD	HORSEPEN CREEK	VDOT	9885	Culvert	No	1958	1958	81					2/7/2012	15.1	184	36421	Primary
295	EBL ROUTE 0295	Turner Run	VDOT	9958	Culvert	No	1979	1979	81					10/17/2011	12.1	320	16257	Interstate

Table A6: VDOT list of Structures (Bridges and Culverts) in Henrico County

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
295	WBL ROUTE 0295	COLL RD O STREAM	VDOT	9967	Culvert	No	1979	1979	81					11/3/2011	13.1	106	20000	Interstate
0	GAYTON ROAD	DEEP RUN CREEK	Henrico County	9665	Culvert	Yes	1954	1954	81					6/5/2014	36.1	39	9115	Urban
250	BROAD STREET ROAD	HORSEPEN CREEK	VDOT	9884	Culvert	Yes	1958	1958	82					9/17/2013	23	119	27085	Primary
895	POCAHONTAS PARKWAY	STREAM	Transurban	27263	Culvert	Yes	2002	2002	82					6/4/2014	26.9	230	6476	Primary
1	BROOK ROAD	STREAM	VDOT	24632	Culvert	No	1996	1996	82					3/6/2012	5.9	123	25718	Primary
1	BROOK ROAD	STREAM	VDOT	24636	Culvert	Yes	1996	1996	82					11/14/2013	21	174	25718	Primary
295	EBL ROUTE 0295	OLD WASH HWY AND CSX TRA	VDOT	9896	Bridge	Yes	1979	1979	82					11/22/2013	337.9	61.7	58000	Interstate
7555	LABURNUM AVE	CORNELIUS CREEK	Transurban	27262	Culvert	Yes	2002	2002	82					6/3/2014	60	138	3000	Secondary
295	WBL 0295 & LOOP D	ALLEN BRANCH	VDOT	9935	Culvert	Yes	1979	1979	82					10/24/2013	20	195	55000	Interstate
6	PATTERSON AVENUE	CABIN BRANCH	VDOT	9731	Culvert	Yes	1970	1970	82					11/20/2014	48.9	277	24818	Primary
295	EBL ROUTE 0295	STREAM	VDOT	9971	Culvert	No	1979	2000	82					2/12/2013	15.1	181	10525	Interstate
250	BROAD STREET ROAD	HORSEPEN CREEK	VDOT	9887	Culvert	Yes	1962	1962	82					10/29/2013	23	120	27085	Primary
295	WBL ROUTE 0295	ALLENS BRANCH	VDOT	9933	Culvert	Yes	1979	1979	82					10/24/2013	25.9	138	55000	Interstate
95	I-95 NB & SB CONNS	TURNER RUN	VDOT	9852	Culvert	Yes	1979	1979	82					11/19/2014	30.8	473	8000	Interstate
295	WBL 0295 & RAMP C	MEREDITH BRANCH	VDOT	9941	Culvert	Yes	1979	1979	82					4/3/2013	32.2	164	13500	Interstate
6	PATTERSON AVENUE	STREAM	VDOT	9733	Culvert	No	1970	1970	82					2/7/2012	18	140	24818	Primary
0	DUMBARTON ROAD	UPHAM BROOK	Henrico County	9639	Culvert	Yes	1978	1978	82					7/3/2014	93	155	10804	Urban
1	BROOK ROAD	UNNAMED TRIBUTARY	VDOT	23185	Culvert	Yes	1991	1991	82					3/14/2013	39	166	25731	Primary
295	WBL ROUTE 0295	ROOTY BRANCH	VDOT	9939	Culvert	Yes	1979	1979	82					4/3/2013	28.9	160	13500	Interstate
147	HUGUENOT ROAD	JAMES RV, CSX & RIVS DR	VDOT	26545	Bridge	Yes	2013	2013	82					5/3/2013	2984.9	56.7	28000	Primary
1	BROOK ROAD	STREAM	VDOT	24634	Culvert	Yes	1996	1996	82					11/14/2013	20	238	25718	Primary
895	POCAHONTAS PARKWAY	STREAM	Transurban	27267	Culvert	No	2002	2002	83					6/4/2014	17.1	180	6476	Primary
895	POCAHONTAS PARKWAY	STREAM	Transurban	27268	Culvert	No	2002	2002	83					6/4/2014	18	200	6476	Primary
295	WBL ROUTE 0295	CHICKAHOMINY RIVER	VDOT	10005	Bridge	Yes	1980	1980	83					8/27/2013	961.9	73.8	23000	Interstate
295	EBL RTE 0295 COLL	NS RAILWAY	VDOT	9911	Bridge	Yes	1979	1979	83					11/19/2013	140.1	44	23500	Interstate
295	EBL ROUTE 0295	WHITE OAK SWAMP CREEK	VDOT	9975	Bridge	Yes	1987	1987	83					9/4/2014	339.9	86	18979	Interstate
95	ROUTE 0095	BRANCH	VDOT	9843	Culvert	No	1962	1962	83					2/12/2013	5.9	166	91667	Interstate
150	CHIPPENHAM PARKWAY	JAMES RV,CHERKE RD,CSX @	VDOT	9859	Bridge	Yes	1990	1990	83					5/17/2013	4227	41.7	17779	Primary
33	STAPLES MILL ROAD	HORSEPEN BRANCH	VDOT	9743	Culvert	Yes	1964	1964	83					12/16/2014	21	346	18566	Primary
33	STAPLES MILL ROAD	STREAM	VDOT	9747	Culvert	Yes	1958	1990	83					9/3/2014	21	124	21108	Primary
895	POCAHONTAS PARKWAY	STREAM	Transurban	27265	Culvert	Yes	2002	2010	83					6/4/2014	33.1	192	6476	Primary
895	POCAHONTAS PARKWAY	STREAM	Transurban	27367	Culvert	No	2002	2002	83					1/17/2011	17.1	200	6476	Primary
895	POCAHONTAS PARKWAY	STREAM	Transurban	27264	Culvert	Yes	2002	2002	83					6/4/2014	45.9	220	6476	Primary
895	POCAHONTAS PARKWAY	STREAM	Transurban	27266	Culvert	No	2002	2002	83					6/4/2014	19	210	6476	Primary
895	POCAHONTAS PARKWAY	STREAM	Transurban	27368	Culvert	Yes	2002	2002	83					1/21/2013	36.3	331	6476	Primary
7546	DICKENS ROAD	ROUTE 0064	VDOT	9606	Bridge	Yes	1967	1967	84					10/30/2014	278.9	61	7298	Secondary
0	Varina Road	ROUTE I-295	VDOT	9713	Bridge	Yes	1986	1986	84					8/27/2014	365.2	33.8	779	Secondary
64	EBL ROUTE 0064	RTE 250	VDOT	9792	Bridge	Yes	1967	1993	84					3/19/2013	310	75.5	34583	Interstate

Table A6: VDOT list of Structures (Bridges and Culverts) in Henrico County

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
161	HILLIARD ROAD	GOLF CART UNDERPASS	VDOT	23865	Culvert	No	1993	1993	84					1/24/2012	15.1	143	7845	Primary
161	LAKESIDE AVENUE	TRUMPET BRANCH	VDOT	9879	Culvert	Yes	1961	1961	84					9/26/2013	25.9	118	13551	Primary
5	NEW MARKET ROAD	STREAM	VDOT	9728	Culvert	No	1987	1987	84					9/24/2012	18	128	7707	Primary
7703	LAUDERDALE DRIVE	COPPERAS CREEK	Henrico County	26599	Culvert	Yes	1999	1999	84					8/11/2014	39	94	8731	Urban
0	HUNGARY ROAD	LAUREL LAKE	Henrico County	23654	Culvert	Yes	1992	1992	84					5/1/2013	25.9	88	13361	Secondary
7518	PARHAM ROAD	ROUTE 0064	VDOT	9614	Bridge	Yes	1967	2000	85					10/30/2014	299.9	91.9	24861	Secondary
64	WBL ROUTE 0064	RTE 250	VDOT	9794	Bridge	Yes	1967	1993	85					3/19/2013	295.9	75.5	27500	Interstate
150	CHIPPENHAM PARKWAY	JAMES RV,CHERKE RD,CSX @	VDOT	9857	Bridge	Yes	1990	1990	85					5/17/2013	4219.2	41.7	17779	Primary
895	POCAHONTAS PARKWAY	PEDESTRIAN TUNNEL @ PLAZ	Transurban	28081	Culvert	No	2002	2002	85					1/22/2013	7.9	329	16143	Primary
0	HICKORY BEND DRIVE	STREAM	Henrico County	28431	Culvert	Yes	2005	2005	85					9/11/2014	39	81	3563	Urban
0	HUNGARY SPRING RD	HUNGARY CREEK	Henrico County	27605	Culvert	Yes	1998	1998	85					7/3/2013	24.9	94	4913	Urban
	WOODVIEW DRIVE	BOAR SWAMP	VDOT	9599	Culvert	No	1965	1965	86					3/22/2011	19	48	816	Interstate
6	PATTERSON AVENUE	DEEP RUN CREEK	VDOT	9729	Bridge	Yes	1971	1991	86					9/25/2013	203.1	86	23934	Primary
250	BROAD STREET ROAD	BROAD ST O RTE I 64	VDOT	9889	Bridge	Yes	1967	1967	86					6/11/2014	392.1	86.9	36421	Primary
895	POCAHONTAS PKY WBL	JAMES RIVER & I-95 & RMP	Transurban	27294	Bridge	Yes	2002	2002	86	FO				9/3/2014	4767.1	74.1	3549	Primary
95	ROUTE 0095	CHICKAHOMINY RIVER	VDOT	9839	Bridge	Yes	1961	2004	86					8/27/2014	203.1	205.4	128497	Interstate
5	OLD OSBORNE TPK	ALMOND CREEK	VDOT	28054	Bridge	Yes	2004	2004	86					6/18/2013	44.9	42	8523	Primary
0	FORD'S COUNTY LA	ALLEN BRANCH	Henrico County	9601	Culvert	Yes	1979	1979	86					9/4/2013	60	65	1000	Secondary
0	FORD'S COUNTY LA	ROOTY BRANCH	Henrico County	9602	Culvert	Yes	1979	1979	86					9/4/2013	28.9	53	1000	Secondary
295	WBL RTE 0295 COLL	RTE I-64 & CD RDS	VDOT	9904	Bridge	Yes	1979	1979	87					11/4/2013	513.1	56.1	20000	Interstate
295	EBL RTE 0295 COLL	RTE I 64 & CD RDS	VDOT	9906	Bridge	Yes	1979	1979	87					11/4/2013	513.1	56.1	23500	Interstate
95	SBL ROUTE 0095	UPHAM BROOK	VDOT	9836	Bridge	Yes	1962	2014	87	FO				9/25/2014	115.5	57.3	35000	Interstate
64	FLYOVER TO 295 EBL	RTES I-64 AND I-295 WBL	VDOT	26672	Bridge	Yes	2009	2009	87	FO				3/27/2014	1765.1	44.6	24529	Interstate
0	GREENWOOD ROAD	CSX RAILWAY	Henrico County	9643	Bridge	Yes	1985	1985	88					7/7/2014	270	37.8	1572	Urban
156	ROUTE 0064	STREAM	VDOT	9810	Culvert	No	1965	1965	88					9/3/2014	15	130	1000	Interstate
0	OAKLEY'S LANE	GILLIES CREEK	Henrico County	9651	Culvert	Yes	1963	1992	88					8/7/2014	38.1	50	9165	Urban
0	CAROLINA AVENUE	HORSESWAMP CREEK	Henrico County	9653	Culvert	Yes	1971	1971	88					7/2/2014	28	138	8601	Urban
5	NEW MARKET ROAD	LAUREL HILL BRANCH	VDOT	9725	Culvert	No	1941	1941	88					1/25/2012	5.9	79	7707	Primary
0	LONGBRIDGE ROAD	SWEENY'S CREEK	Henrico County	9648	Culvert	Yes	1971	1971	88					8/4/2014	23	66	500	Secondary
0	PUMP ROAD	DEEP RUN CREEK	Henrico County	9664	Culvert	Yes	1971	1971	88					6/5/2014	28.9	75	10106	Urban
295	EBL ROUTE 0295	ROUTE 33	VDOT	9921	Bridge	Yes	1981	1992	89					10/4/2013	208	73.8	26108	Interstate
295	ROUTE 0295 WBL	CSX TRANSPORTATION	VDOT	9982	Bridge	Yes	1987	1987	89					9/30/2014	162.1	61.7	20000	Interstate
295	WBL ROUTE 0295	DARBYTOWN ROAD	VDOT	9987	Bridge	Yes	1987	1987	89					9/18/2014	124	61.7	20000	Interstate
64	EBL ROUTE 0064	CSXT RAILROAD ACCA YARD	VDOT	9776	Bridge	Yes	1967	2007	89					6/24/2014	516.1	77.1	65228	Interstate
295	EBL ROUTE 0295	PORTUGEE ROAD	VDOT	9977	Bridge	Yes	1987	1987	89					9/17/2014	204.1	61.7	18979	Interstate
295	WBL ROUTE 0295	PORTUGEE ROAD	VDOT	9979	Bridge	Yes	1987	1987	89					9/17/2014	204.1	61.7	20000	Interstate
1	BROOK ROAD	ROUTE 0095	VDOT	9718	Bridge	Yes	1958	2005	89	FO				8/27/2014	213.9	96.7	22281	Primary
295	EBL ROUTE 0295	KINGSLAND ROAD	VDOT	9995	Bridge	Yes	1986	1986	89					7/25/2014	142.1	61.7	17472	Interstate

Table A6: VDOT list of Structures (Bridges and Culverts) in Henrico County

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
895	POCAHONTAS PKY EBL	JAMES RIVER & I-95 & RMP	Transurban	27293	Bridge	Yes	2002	2002	89	FO				9/5/2014	4767.1	74.1	8071	Primary
895	WBL 00895	CORNELIUS CREEK	Transurban	27198	Bridge	Yes	2002	2002	89					4/16/2014	296.9	44.6	1523	Primary
281	Airport Connector	RTE 895	Transurban	29518	Bridge	Yes	2011	2011	89					3/5/2013	197	72.2	500	Primary
295	EBL ROUTE 0295	CSX TRANSPORTATION	VDOT	9981	Bridge	Yes	1987	1987	90					9/30/2014	162.1	61.7	18979	Interstate
295	WBL ROUTE 0295	WHITE OAK SWAMP CREEK	VDOT	9984	Bridge	Yes	1987	1987	90					9/4/2014	227	61.7	20000	Interstate
295	EBL ROUTE 0295	WHITE OAK SWAMP CREEK	VDOT	9983	Bridge	Yes	1987	1987	90					9/4/2014	227	61.7	18979	Interstate
295	EBL ROUTE 0295	DARBYTOWN ROAD	VDOT	9985	Bridge	Yes	1987	1987	90					9/18/2014	124	61.7	15082	Interstate
64	WBL ROUTE 0064	CSXT RAILROAD ACCA YARD	VDOT	9777	Bridge	Yes	1967	2007	90					6/26/2014	491.1	91.5	66549	Interstate
156	Willis Church Road	WESTERN RUN	VDOT	29854	Bridge	Yes	2011	2011	90					7/16/2014	31	24.6	224	Primary
250	BROAD STREET ROAD	JORDANS BRANCH	VDOT	9883	Bridge	Yes	1956	1958	91					7/14/2014	24.6	97.8	27085	Primary
7628	MEADOW ROAD	ROUTE I-295	VDOT	9672	Bridge	Yes	1978	1978	91					10/2/2013	733.9	38.1	768	Secondary
95	NBL ROUTE 0095	ROUTE 0095 CONNECTIONS	VDOT	9846	Bridge	Yes	1980	1991	91					2/5/2013	607.9	62	128497	Interstate
64	WBL RTE 0064 COLL	SOUTHERN RAILWAY	VDOT	9812	Bridge	Yes	1979	1994	91					10/29/2014	192	42.3	5700	Interstate
157	PEMBERTON ROAD	STREAM	VDOT	9874	Culvert	No	1965	1965	91					2/7/2012	8.9	90	11078	Primary
295	WBL ROUTE 0295	KINGSLAND ROAD	VDOT	9997	Bridge	Yes	1986	1986	91					7/25/2014	142.1	61.7	20000	Interstate
295	WBL ROUTE 0295	FOUR MILE CREEK	VDOT	9990	Bridge	Yes	1987	1987	91					8/28/2013	257.9	61.7	20000	Interstate
0	DARBYTOWN ROAD	DEERLICK CREEK	Henrico County	9645	Culvert	Yes	1986	1986	91					7/8/2013	21	66	3625	Secondary
295	WBL ROUTE 0295	ROUTE 33	VDOT	9923	Bridge	Yes	1981	1991	92					10/4/2013	208	73.8	13500	Interstate
295	WBL ROUTE 0295	ROUTE I-64	VDOT	9915	Bridge	Yes	1980	2000	92					11/18/2014	336	73.8	13500	Interstate
295	EBL ROUTE 0295	FOUR MILE CREEK	VDOT	9989	Bridge	Yes	1987	1997	92					8/27/2013	257.9	61.7	15082	Interstate
281	Airport Drive	CSX RAILROAD	Transurban	29520	Bridge	Yes	2011	2011	92					3/6/2013	161.6	87.9	600	Primary
0	RIVER ROAD	ROUTE 150	Henrico County	9636	Bridge	Yes	1990	1990	92	FO				6/10/2013	159.1	46.4	8063	Secondary
0	ROYERTON DRIVE	HUNGARY CREEK	Henrico County	9659	Culvert	Yes	1955	1955	92					5/2/2014	30	30	617	Urban
295	EBL ROUTE 0295	CHICKAHOMINY RIVER	VDOT	10006	Bridge	Yes	1980	1996	93					8/29/2013	961.9	73.8	37209	Interstate
7706	WBL NUCKOLS ROAD	ROUTE 0295	VDOT	9684	Bridge	Yes	1980	1980	93					7/31/2013	493.1	53.8	15806	Secondary
7706	EBL NUCKOLS ROAD	ROUTE 0295	VDOT	9686	Bridge	Yes	1980	1980	93					7/31/2013	493.1	53.8	15806	Secondary
295	WBL ROUTE 0295	WHITE OAK SWAMP CREEK	VDOT	9976	Bridge	Yes	1987	1987	94					9/4/2014	339.9	73.8	20000	Interstate
7514	GASKINS ROAD	ROUTE 0064	VDOT	9702	Bridge	Yes	1988	1988	94					11/13/2014	413.1	91.9	44059	Secondary
0	PORTUGEE ROAD	WHITE OAK CREEK	Henrico County	9650	Culvert	Yes	1955	1955	94					8/4/2014	27.9	38	1631	Urban
0	FOREST AVENUE	LITTLE WESTHAM CREEK	Henrico County	9654	Culvert	Yes	1956	1956	94					5/2/2013	23	48	10097	Urban
64	WBL ROUTE 0064	STREAM	VDOT	9785	Culvert	No	1968	1968	95					10/8/2014	8.9	116	27500	Interstate
295	WBL ROUTE 0295	GREENWOOD ROAD	VDOT	9919	Bridge	Yes	1980	1980	95					2/26/2014	161.1	61.8	23500	Interstate
64	EBL ROUTE 0064	Mills Creek	VDOT	9780	Culvert	Yes	1968	1968	95					12/10/2013	21	166	30689	Interstate
64	EBL ROUTE 0064	STREAM	VDOT	9778	Culvert	Yes	1968	1968	95					12/10/2013	34.1	111	30689	Interstate
295	WBL ROUTE 0295	STREAM	VDOT	9953	Culvert	No	1980	1980	95					11/7/2011	7.9	170	29500	Interstate
0	MILL ROAD	WILTON CREEK	Henrico County	9647	Culvert	Yes	1958	1958	95					8/4/2014	38	33	134	Urban
281	Airport Connector	SPROUSE ROAD	Transurban	29519	Bridge	Yes	2011	2011	95					3/5/2013	109.5	87.9	500	Primary
156	ELKO ROAD	WHITE OAK SWAMP	VDOT	27110	Bridge	Yes	2002	2002	95					8/19/2014	70.9	42.3	1761	Primary

Table A6: VDOT list of Structures (Bridges and Culverts) in Henrico County

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
157	SPRINGFIELD ROAD	MEREDITHS BRANCH	VDOT	24740	Culvert	No	1996	1996	95					11/7/2012	20	32	6270	Primary
64	WBL ROUTE 0064	DEEP RUN CREEK	VDOT	9782	Culvert	No	1968	1968	95					2/7/2012	9.8	115	27500	Interstate
64	WBL ROUTE 0064	STREAM	VDOT	9825	Culvert	No	1988	1988	95					11/5/2012	8.9	115	27500	Interstate
0	WHITE OAK CREEK DRI	WHITE OAK CREEK	Henrico County	30216	Culvert	Yes	2013	2013	95					6/10/2013	27.6		500	Urban
0	WOODMAN ROAD	HUNGARY CREEK	Henrico County	9660	Culvert	Yes	1969	1969	95					5/2/2014	50	93	11422	Urban
295	EBL ROUTE 0295	GREENWOOD ROAD	VDOT	9917	Bridge	Yes	1980	1980	96					2/26/2014	161.1	61.8	29513	Interstate
295	EBL ROUTE 0295	RTE I 95	VDOT	9929	Bridge	Yes	1981	1991	96					5/16/2014	237.9	44	73000	Interstate
5	NEW MARKET ROAD	FOUR MILE CREEK	VDOT	9724	Culvert	Yes	1941	1941	96					12/3/2014	28.9	63	2526	Primary
64	WBL ROUTE 0064	STREAM	VDOT	9779	Culvert	Yes	1968	1968	96					12/10/2013	34.1	136	18000	Interstate
295	WBL ROUTE 0295	COLL RD O STREAM	VDOT	9968	Culvert	No	1979	1979	96					11/3/2011	18	160	20000	Interstate
295	WBL ROUTE 0295	NS RAILWAY	VDOT	9908	Bridge	Yes	1979	1979	96					9/6/2013	149.9	61.7	20000	Interstate
295	WBL ROUTE 0295	ROUTE 5	VDOT	9993	Bridge	Yes	1987	1987	96					7/25/2014	200.1	73.8	20000	Interstate
0	LABURNUM AVENUE	CSX RAILWAY	Henrico County	23716	Bridge	Yes	1992	1992	96					7/15/2013	188	106	20304	Secondary
0	KINGSLAND ROAD	FOURMILE CREEK	Henrico County	9644	Bridge	Yes	1988	1988	96					2/4/2013	47.9	39	8000	Secondary
0	POLLARD DRIVE	HORSEPEN BRANCH	Henrico County	9655	Culvert	Yes	1955	1955	96					5/1/2014	33	30	542	Urban
0	WESTHAM PARKWAY	LITTLE WESTHAM CREEK	Henrico County	9671	Bridge	Yes	1979	1979	96					6/13/2014	42	39.4	2158	Urban
0	MAYLAND DRIVE	UPHAM BROOK	Henrico County	9679	Culvert	Yes	1977	1977	96					6/8/2014	34.1	40	1596	Urban
295	EBL RT 295 COLL RD	ROUTE 0095	VDOT	9925	Bridge	Yes	1981	1992	97					5/16/2014	237.9	41.8	16257	Interstate
295	WBL ROUTE 0295	RTE I 95	VDOT	9931	Bridge	Yes	1981	1991	97					5/16/2014	237.9	43.6	29500	Interstate
0	MEADOW ROAD	ROUTE 0064	VDOT	9632	Bridge	Yes	1964	2006	97					9/8/2014	278.9	33.1	500	Secondary
295	EBL ROUTE 0295	NS RAILWAY	VDOT	9909	Bridge	Yes	1979	1979	97					9/6/2013	149.9	61.7	10525	Interstate
295	EBL ROUTE 0295	NS RAILWAY	VDOT	9912	Bridge	Yes	1979	1979	97					9/6/2013	165	31.8	3000	Interstate
7555	LABURNUM	ROUTE 0895	Transurban	27145	Bridge	Yes	2002	2002	97					4/14/2014	278.9	72.2	2000	Secondary
0	MARKEL AVENUE	JORDANS CREEK	Henrico County	9680	Bridge	Yes	1960	1960	97					6/13/2014	26.9	36.1	2440	Urban
295	WBL RT 295 COLL RD	ROUTE 0095	VDOT	9927	Bridge	Yes	1981	1991	98					5/16/2014	237.9	41.7	29500	Interstate
26	MILL ROAD	I-295	VDOT	9682	Bridge	Yes	1980	1980	98					9/10/2013	415	87.9	2422	Secondary
7589	DRYBRIDGE ROAD	RTE I 64	VDOT	9620	Bridge	Yes	1979	1992	98					1/24/2014	461.9	38.1	859	Secondary
33	STAPLES MILL ROAD	RTE I 64	VDOT	9739	Bridge	Yes	1967	1967	98					10/8/2014	269	104	18566	Primary
95	NBL ROUTE 0095CONN	WBL ROUTE 0295	VDOT	9850	Bridge	Yes	1980	1980	98					11/18/2014	275.9	73.8	9358	Interstate
7589	DRYBRIDGE ROAD	NS RAILWAY	VDOT	9681	Bridge	Yes	1979	1979	98					10/14/2013	132.9	38.1	859	Secondary
295	WBL ROUTE 0295	RTE I 64 & CD RD	VDOT	9900	Bridge	Yes	1979	1979	98					11/4/2013	513.1	62	20000	Interstate
295	EBL ROUTE 0295	RTE I 64 & CD RDS	VDOT	9902	Bridge	Yes	1979	1979	98					11/4/2013	513.1	62	10525	Interstate
95	SBL ROUTE 0095CONN	WBL ROUTE 0295	VDOT	9848	Bridge	Yes	1980	1980	98					3/1/2013	255.9	61.8	11352	Interstate
295	EB RTE 295 FLYOVER	ROUTE 64 AND ROUTE 295	VDOT	25643	Bridge	Yes	2001	2001	98					5/21/2014	1532.2	45.9	1000	Interstate
7723	CHARLES CITY ROAD	ROUTE I-295	VDOT	9707	Bridge	Yes	1987	1987	98					5/28/2014	262.1	41.7	1752	Secondary
295	EBL ROUTE 0295	ROUTE 5	VDOT	9991	Bridge	Yes	1987	1987	98					7/25/2014	200.1	73.8	17472	Interstate
64	RAMP 64 W TO 295 W	STREAM	VDOT	9814	Culvert	Yes	1979	1993	98					12/11/2013	22	203	5700	Interstate
895	WBL 00895	MONAHAN ROAD	Transurban	27208	Bridge	Yes	2002	2002	98					4/17/2014	113.8	44.6	1523	Primary

Table A6: VDOT list of Structures (Bridges and Culverts) in Henrico County

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
895	EBL 00895	MONAHAN ROAD	Transurban	27207	Bridge	Yes	2002	2011	98					4/17/2014	113.8	44.6	3238	Primary
1	BROOK ROAD	RTE 0295 & COLL DIST RDS	VDOT	9720	Bridge	Yes	1981	2003	98					2/20/2013	562	135.2	74000	Primary
295	EB RTE 295 FLYOVER	NS RAILWAY	VDOT	25642	Bridge	Yes	2001	2001	98					10/14/2013	164	45.9	1000	Interstate
0	BETHLEHEM ROAD	HORSEPEN BRANCH	Henrico County	9691	Culvert	Yes	1990	1990	98					7/2/2014	44	52	4546	Urban
295	LOOP D FROM I-295	ROUTE I-295	Transurban	27318	Bridge	Yes	2002	2002	98					10/9/2014	314	32.8	500	Interstate
0	MOUNTAIN ROAD	NORTH RUN CREEK	Henrico County	9698	Culvert	Yes	1987	1987	98					1/10/2014	59.1	67	7069	Secondary
0	AUDUBON DRIVE	GILLIES CREEK	Henrico County	23656	Culvert	Yes	1991	1991	98					5/8/2013	44	108	7587	Secondary
0	AUDUBON DRIVE	GILLIES CREEK	Henrico County	23657	Culvert	Yes	1991	1991	98					5/8/2013	33.1	102	7597	Secondary
0	RAINTREE DRIVE	DEEP RUN CREEK	Henrico County	9678	Culvert	Yes	1975	1975	98					6/4/2014	48.9	70	3158	Urban
64	ROUTE 0064	LOOP D O UPHAM BROOK	VDOT	9813	Culvert	Yes	1980	1980	99					12/15/2014	56.1	45	4000	Interstate
0	LAFRANCE ROAD	ROUTE I-295	VDOT	9705	Bridge	Yes	1987	1987	99					9/11/2014	287.1	37.7	1000	Secondary
0	BETHLEHEM ROAD	UPHAM BROOK	Henrico County	9699	Culvert	Yes	1967	1967	99					4/8/2014	43	124	5903	Urban
5	NEW MARKET ROAD	ROUTE 0895	Transurban	27135	Bridge	Yes	2002	2002	99					4/18/2014	240.2	50.5	7707	Primary
0	NORTH GAYTON ROAD	I-64	Henrico County	30020	Bridge	Yes	2012	2012	99					12/1/2014	283.5	105.6	5000	
0	OSBORNE TURNPIKE	WILTON CREEK	Henrico County	9649	Culvert	Yes	1951	2000	99					8/4/2014	70.9	66	1778	Urban
0	DARBYTOWN ROAD	STREAM	Henrico County	9701	Culvert	Yes	1986	1986	99					4/8/2014	28.9	80	4684	Urban
64	ROUTE 0064	RAMP G OVER STREAM	VDOT	9820	Culvert	No	1979	2007	99					11/8/2011	13.1	140	14405	Interstate
7514	64	RAMP A O DEEP RUN CREEK	VDOT	9823	Culvert	No	1988	1988	99					11/5/2012	14.1	182	6000	Interstate
64	ROUTE 0064	RAMP C & LOOP D O STREAM	VDOT	9824	Culvert	No	1988	1988	99					11/5/2012	19	180	9000	Interstate
0	HERMITAGE ROAD	ROCKY BRANCH	Henrico County	24154	Culvert	Yes	1993	1993	99					2/14/2013	37.1	80	6041	Urban
64	ROUTE 0064	RAMP A O STREAM	VDOT	9799	Culvert	No	1968	1968	100					3/6/2012	13.1	70	2000	Interstate
0	NEW YORK AVE	STREAM	VDOT	24633	Culvert	Yes	1996	1996	100					12/12/2013	28.9	68	300	Secondary
0	VIRGINIA AVE	STREAM	VDOT	24635	Culvert	No	1996	1996	100					3/6/2012	13.1	62	300	Secondary
156	AIRPORT DRIVE NORT	RTE I 295	VDOT	9866	Bridge	Yes	1980	1992	100					7/30/2013	361.9	105.6	5630	Primary
0	STONEY RUN PKWY	ROUTE 0064	VDOT	9608	Bridge	Yes	1968	2004	100					4/9/2014	261.2	38.7	650	Secondary
64	I-64 WBL Ramp-G	UNKNOWN TRIB	VDOT	9827	Culvert	Yes	1988	1988	100					11/19/2014	25.9	116	5000	Interstate
0	RICHMD HENRICO TPK	HORSESWAMP CREEK	Henrico County	9662	Culvert	Yes	1949	1949	100					7/2/2014	25	47	6613	Urban
64	ROUTE 0064	STREAM	VDOT	9773	Culvert	No	1965	1965	100					9/25/2012	5.9	135	2000	Interstate
895	EBL 00895	DARBYTOWN ROAD	Transurban	27200	Bridge	Yes	2002	2002	100					4/17/2014	112.9	44.6	3238	Primary
7663	WOODMAN ROAD	ROUTE I-295	VDOT	9688	Bridge	Yes	1980	1980	100					6/24/2013	371.1	106	7811	Secondary
295	LOOP D OF RTE 0295	ALLENS BRANCH	VDOT	9936	Culvert	Yes	1979	1979	100					10/24/2013	47.9	76	2000	Interstate
295	RAMP C OF I-295	ALLEN BRANCH	VDOT	9945	Culvert	Yes	1979	1979	100					9/17/2013	50.9	110	5600	Interstate
0	BUFFIN ROAD	EBL ROUTE 0295	VDOT	9709	Bridge	Yes	1987	1987	100					4/21/2014	147	41.7	500	Secondary
0	BUFFIN ROAD	WBL ROUTE 0295	VDOT	9711	Bridge	Yes	1987	1987	100					4/21/2014	147	41.7	500	Secondary
895	WBL 895	DARBYTOWN ROAD	Transurban	27206	Bridge	Yes	2002	2002	100					4/17/2014	112.9	44.6	1523	Primary
0	WILLSON ROAD	ROUTE 0895	Transurban	27157	Bridge	Yes	2002	2002	100					4/14/2014	236.9	42.7	2000	Secondary
295	EBL ROUTE 0295	BROADWATER SWAMP	VDOT	9947	Culvert	Yes	1980	1980	100					10/31/2013	47.9	140	3000	Interstate
64	ROUTE 0064	EB RAMP OVER STREAM	VDOT	9798	Culvert	No	1968	1968	100					2/7/2012	13.1	108	2000	Interstate

Table A6: VDOT list of Structures (Bridges and Culverts) in Henrico County

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
295	LOOP B OF I-295	ALLENS BRANCH	VDOT	9944	Culvert	Yes	1979	1979	100					9/17/2013	47.9	94	3000	Interstate
295	LP D,RMP C OF 0295	STREAM	VDOT	9950	Culvert	No	1979	1979	100					9/19/2011	7.9	204	4000	Interstate
295	RAMP A OF RTE 0295	ALLENS BRANCH	VDOT	9937	Culvert	Yes	1979	1979	100					10/24/2013	53.1	109	5000	Interstate
7565	OSBORNE TURNPIKE	ROUTE 00895	Transurban	26406	Bridge	Yes	2000	2000	100					5/5/2014	331	70.2	1698	Secondary
895	LOOP B OF 895 EBL	ROUTE I-295	Transurban	27210	Bridge	Yes	2002	2002	100					4/14/2014	282.2	34.8	3322	Primary
0	MILL ROAD	ROUTE 0895	Transurban	27185	Bridge	Yes	2002	2002	100					5/5/2014	419	46.6	300	Secondary
895	EBL 00895	CORNELIUS CREEK	Transurban	27197	Bridge	Yes	2002	2002	100					4/16/2014	296.9	57.1	3238	Primary
895	WBL RAMP D OF 895	CORNELIUS CREEK	Transurban	27199	Bridge	Yes	2002	2002	100					4/16/2014	217.8	35.4	2000	Primary
0	BRITTON ROAD	ROUTE 895 POCAHONTAS PKW	Transurban	27394	Bridge	Yes	2004	2004	100					8/22/2014	258.9	35.8	850	Secondary
64	ROUTE 0064	STREAM	VDOT	9811	Culvert	No	1965	1965	100					9/25/2012	18	109	1000	Interstate
295	EBL ROUTE 0295	RAMP E O ALLEN BRANCH	VDOT	9949	Culvert	No	1979	1979	100					9/14/2011	6.9	83	4000	Interstate
295	Ramp D RTE I295 EB	STREAM	VDOT	9952	Culvert	No	1980	1980	100					11/15/2011	19	88	3000	Interstate
0	HUNGARY ROAD	NORTH RUN CREEK	Henrico County	28721	Culvert	Yes	2006	2006	100					6/7/2014	99.1	88	5623	Urban
0	OAKLAND ROAD	ALMOND CREEK	Henrico County	27602	Culvert	Yes	1998	1998	100					7/8/2013	24.9	94	2978	Urban
0	CHARLES CITY ROAD	DEEP RUN CREEK	Henrico County	27603	Culvert	Yes	1998	1998	100					7/8/2013	25.9	52	1376	Urban
360	MECHANICSVILLE TPK	BR CHICKAHOMINY RIVER #2	VDOT	28898	Bridge	Yes	2014	2014	NA					10/30/2014	0	113	0	Primary
360	MECHANICSVILLE TPK	BR CHICKAHOMINY RIVER #1	VDOT	28899	Bridge	No	2014	2014	NA					10/30/2014	0	0	0	Primary
360	MECHANICSVILLE TPK	BR CHICKAHOMINY RIVER #3	VDOT	28897	Culvert	Yes	2014	2014	NA					9/5/2014	0	0	0	Primary

Note : Structures listed in ascending order of Sufficiency Ratings

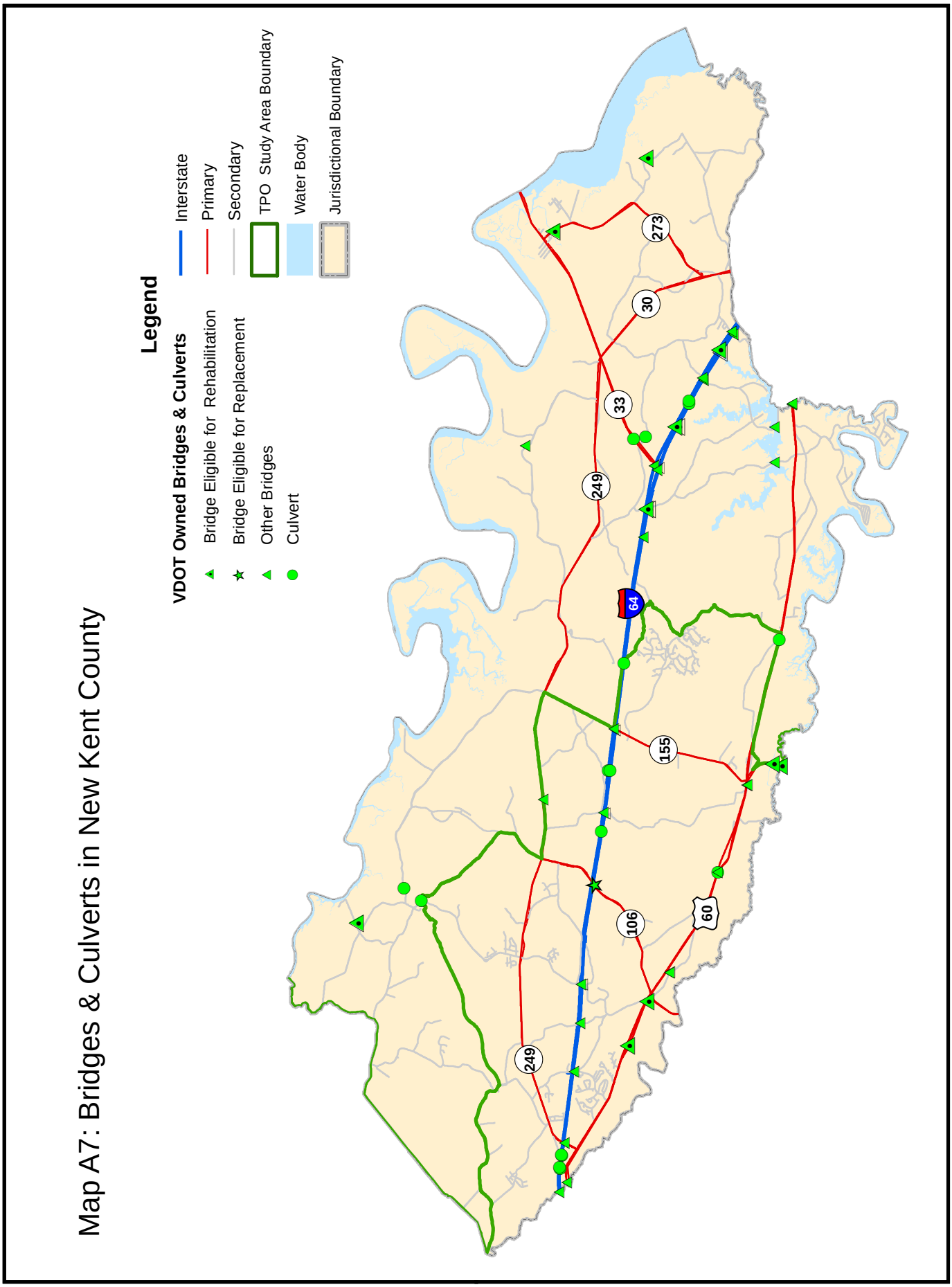
Deficient Structure with Sufficiency Rating 0 - 49.9 highlighted in red.

Deficient Structure with Sufficiency Rating 50-80 highlighted in green.

Source : VDOT online listing of Bridges by District

URL : http://dashboard.virginiadot.org/Pages/Maintenance/AdvancedBridgeReport.aspx?districtCode=4

Map A7: Bridges & Culverts in New Kent County



This page intentionally left blank

Table A7: VDOT list of Structures (Bridges and Culverts) in New Kent County

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
106	EMMAUS CHURCH ROAD	RTES I 64 & 33	VDOT	12704	Bridge	Yes	1972	1972	49	SD	Yes			1/24/2014	495	42.7	1904	Primary
629	BOULEVARD ROAD	JONES RUN	VDOT	12738	Bridge	Yes	1924	1983	50					9/25/2014	32.5	26	727	Secondary
60	EBL POCAHONTAS TR	CRUMPS SWAMP	VDOT	12651	Bridge	No	1924	1924	52	FO		Yes	Posted	12/3/2014	23	25.9	4676	Primary
273	FARMERS DRIVE	ELTHAM CREEK	VDOT	12709	Bridge	Yes	1947	1947	55	SD		Yes		3/10/2014	44.9	30.8	4260	Primary
155	S. COURTHOUSE ROAD	CHICKAHOMINY RV@-PROV-FG	VDOT	12707	Bridge	Yes	1931	1973	61	FO		Yes		8/28/2014	55.1	25.3	2865	Primary
600	HOLLY FORK ROAD	GODDINS MILL POND	VDOT	12711	Bridge	No	1920	1997	63	SD		Yes		6/30/2014	6.9	14.4	161	Secondary
64	EBL ROUTE 0064	CHICKAHOMINY RIVER	VDOT	12702	Bridge	Yes	1966	1991	65					3/9/2014	262.1	35	33530	Interstate
60	EBL POCAHONTAS TR	TOE INK SWAMP	VDOT	12641	Bridge	Yes	1947	1947	66	SD		Yes		3/19/2014	56.1	49.5	4676	Primary
64	EBL ROUTE 0064	RTE 627	VDOT	12665	Bridge	Yes	1971	1971	66	SD		Yes		3/28/2014	134.8	44	29200	Interstate
64	WBL ROUTE 0064	RTE 627	VDOT	12667	Bridge	Yes	1971	1971	67	SD		Yes		3/28/2014	129.9	44	19000	Interstate
64	EBL ROUTE 0064	BEAVERDAM CREEK	VDOT	12673	Bridge	Yes	1972	1972	68	SD		Yes		2/10/2014	182.1	44	23375	Interstate
64	EBL ROUTE 0064	WAHRANI SWAMP	VDOT	12675	Bridge	Yes	1972	1972	68	SD		Yes		2/10/2014	157.2	44	23375	Interstate
64	WBL ROUTE 0064	CHICKAHOMINY RIVER	VDOT	12703	Bridge	Yes	1966	1966	68					3/9/2014	262.1	35	22500	Interstate
64	WBL ROUTE 0064	WAHRANI SWAMP	VDOT	12676	Bridge	Yes	1972	1972	69	SD		Yes		2/11/2014	162.1	44	18000	Interstate
64	WBL ROUTE 0064	BEAVERDAM CREEK	VDOT	12674	Bridge	Yes	1972	1972	69	SD		Yes		2/11/2014	169.9	44	18000	Interstate
64	ROUTE 0064	BR DIASCUND CREEK	VDOT	12693	Culvert	No	1972	1972	70					1/22/2013	18	403	58400	Interstate
64	ROUTE 0064	TOE INK SWAMP	VDOT	12683	Culvert	No	1972	1972	70					1/23/2013	17.1	568	59098	Interstate
64	ROUTE 0064	BR DIASCUND CREEK	VDOT	12692	Culvert	No	1972	1972	70					1/22/2013	17.1	433	58400	Interstate
665	HENPECK ROAD	RTES I 64 & 33	VDOT	12745	Bridge	Yes	1972	1972	72					1/24/2014	345.1	30.8	1350	Secondary
612	AIRPORT ROAD	RTES I 64 & 33 WBL	VDOT	12719	Bridge	Yes	1972	1972	73					2/20/2014	181.1	30.7	1277	Secondary
64	ROUTE 0064	STREAM	VDOT	12677	Culvert	No	1972	1972	73					12/13/2012	7.9	252	59098	Interstate
64	ROUTE 0064	STREAM	VDOT	12678	Culvert	No	1972	1972	73					12/13/2012	7.9	358	59098	Interstate
607	STEEL TRAP ROAD	WATERLOO CK/DICKERSON SW	VDOT	28299	Bridge	Yes	2005	2005	74	FO		Yes		3/10/2014	49.9	19.4	144	Secondary
155	S. COURTHOUSE ROAD	CHICKAHOMINY RIVER CANAL	VDOT	28065	Bridge	Yes	2005	2005	75	FO		Yes		11/6/2014	105	26.6	2865	Primary
64	EBL ROUTE 0064	RTE 155_(N. COURTHOUSE)	VDOT	12669	Bridge	Yes	1972	1972	78					6/26/2013	145	44	29200	Interstate
60	POCAHONTAS TRAIL	WINDSOR SHADES CREEK	VDOT	12647	Culvert	Yes	1948	1948	80					12/2/2014	21	170	4832	Primary
33	EBL ELTHAM ROAD	RTE I 64 EBL	VDOT	12635	Bridge	Yes	1971	1971	80					3/27/2014	199.1	44	8954	Primary
60	WBL POCAHONTAS TR	TOE INK SWAMP	VDOT	12640	Bridge	Yes	1947	1947	80					3/27/2014	55.1	49.5	4676	Primary
33	NEW KENT HIGHWAY	RTE I 64 @ BOTTOMS BRIDG	VDOT	12630	Bridge	Yes	1965	1965	81	SD				9/22/2014	309.1	89.9	3700	Primary
249	NEW KENT HIGHWAY	PELHAM SWAMP	VDOT	12708	Bridge	Yes	1924	1977	81					9/16/2014	23	37.7	2129	Primary
33	EBL ELTHAM ROAD	RTE I 64 WBL	VDOT	12633	Bridge	Yes	1971	1971	81					3/27/2014	178.1	44	8954	Primary
60	POCAHONTAS TRAIL	MORGANS BRANCH	VDOT	12653	Culvert	No	1947	1947	81					12/11/2012	9.8	115	9352	Primary
60	POCAHONTAS TRAIL	PITTS CREEK	VDOT	12652	Culvert	No	1947	1947	82					12/11/2012	7.9	166	9352	Primary
60	POCHONTAS TRAIL	MCKENNEY RUN	VDOT	12638	Culvert	No	1947	1947	82					12/12/2012	5.9	156	4832	Primary
33	RAMP WBL 33	RAMP33 WBL	VDOT	12663	Bridge	Yes	1971	1971	82					2/25/2014	204.7	32	1500	Primary

Table A7: VDOT list of Structures (Bridges and Culverts) in New Kent County

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
60	POCAHONTAS TRAIL	FOXES RUN	VDOT	12644	Culvert	No	1947	1947	83					12/12/2012	6.9	198	4832	Primary
60	POCAHONTAS TRAIL	BEARS CREEK	VDOT	12648	Culvert	No	1947	1947	83					12/11/2012	7.9	210	5663	Primary
60	Pocahontas Trail	Higgins Creek	VDOT	12654	Culvert	No	1947	1947	83					12/11/2012	13.1	304	12626	Primary
33	RAMP RTE WBL 33	RTE I 64 WBL	VDOT	12661	Bridge	Yes	1971	1971	83					2/25/2014	188.7	32	6000	Primary
631	SOUTH GARDEN ROAD	BEARS HILL SWAMP	VDOT	12740	Bridge	No	1923	1923	83					7/16/2014	12.1	24	273	Secondary
60	POCAHONTAS TRAIL	MARSTONS RUN	VDOT	12649	Culvert	No	1947	1947	84					12/11/2012	5.9	156	5663	Primary
33	ELTHAM ROAD	BRANCH BEAVERDAM CREEK	VDOT	23050	Culvert	Yes	1973	1973	84					3/14/2013	22	93	8954	Primary
33	NEW KENT HIGHWAY	CREEK	VDOT	12632	Culvert	No	1965	1965	84					11/1/2012	5.9	149	13105	Primary
612	AIRPORT ROAD	RTES I 64 & 33 EBL	VDOT	12717	Bridge	Yes	1972	1972	84					2/20/2014	181.1	30.7	1277	Secondary
64	EBL ROUTE 0064	BARNES SWAMP	VDOT	12700	Culvert	No	1971	1971	84					11/13/2014	11.2	261	23375	Interstate
623	COOKS MILL ROAD	COOKS MILL POND	VDOT	27253	Bridge	Yes	2002	2002	84					7/8/2014	34.2	21.3	163	Secondary
64	WBL ROUTE 0064	BARNES SWAMP	VDOT	12701	Culvert	No	1971	1971	85					11/13/2014	11.2	245	18000	Interstate
60	POCAHONTAS TRAIL	CHICKAHOMINY RIVER	VDOT	12643	Bridge	Yes	1990	1990	85					11/5/2014	241.1	79.4	12626	Primary
603	DIASCUND RES. ROAD	BEAVERDAM CREEK	VDOT	12712	Bridge	Yes	1962	1962	87					3/20/2014	128.9	26.9	445	Secondary
632	Stage Road	BEAVERDAM CREEK	VDOT	12741	Culvert	Yes	1976	1976	88	SD				12/17/2014	30.8	66	214	Secondary
627	N. WATERSIDE DRIVE	DIASCUND CREEK	VDOT	12736	Bridge	Yes	1962	1962	89					3/20/2014	128.9	29.5	716	Secondary
640	OLD ROXBURY ROAD	RTES I 64 & 33	VDOT	12743	Bridge	Yes	1972	1972	92					1/24/2014	440.9	30.8	627	Secondary
64	WBL ROUTE 0064	RTE 155_(N. COURTHOUSE)	VDOT	12671	Bridge	Yes	1972	1972	92					6/25/2013	145	44	20000	Interstate
60	POCAHONTAS TRAIL	JONES RUN	VDOT	12642	Bridge	Yes	1947	1947	93					3/24/2014	43	100.4	6474	Primary
621	ROPERS CHURCH ROAD	RTE I 64 EBL	VDOT	12731	Bridge	Yes	1972	1972	93					6/27/2013	181.1	30.8	302	Secondary
621	ROPERS CHURCH RD	RTE I 64 WBL	VDOT	12733	Bridge	Yes	1972	1972	93					6/27/2013	181.1	30.8	302	Secondary
618	OLIVET CHURCH ROAD	RTE I 64 & 33 EBL	VDOT	12723	Bridge	Yes	1972	1972	93					2/20/2014	181.1	30.7	480	Secondary
618	OLIVET CHURCH ROAD	RTES I 64 & 33 WBL	VDOT	12725	Bridge	Yes	1972	1972	93					2/20/2014	181.1	30.7	480	Secondary
64	EBL ROUTE 0064	STREAM	VDOT	12657	Culvert	Yes	1964	1964	95					10/8/2014	33.1	110	33530	Interstate
64	EBL ROUTE 0064	SCHIMINOE CREEK	VDOT	12686	Culvert	No	1972	1972	95					1/23/2013	5.9	150	29691	Interstate
64	EBL ROUTE 0064	DIASCUND CREEK	VDOT	12691	Culvert	Yes	1972	1972	95					1/6/2015	21	150	29200	Interstate
620	HOMESTEAD ROAD	RTE I 64 WBL	VDOT	12729	Bridge	Yes	1972	1972	95					2/20/2014	184.1	30.7	101	Secondary
60	WBL POCAHONTAS TR	DIASCUND CREEK	VDOT	12655	Bridge	Yes	1978	1978	95					3/31/2014	106	41.7	2416	Primary
620	HOMESTEAD ROAD	RTE I 64 EBL	VDOT	12727	Bridge	Yes	1972	1972	95					2/20/2014	184.1	30.7	101	Secondary
64	EBL ROUTE 0064	STREAM	VDOT	12659	Culvert	Yes	1964	1964	95					10/7/2014	20	115	33530	Interstate
64	EBL ROUTE 0064	TOE INK SWAMP	VDOT	12684	Culvert	No	1972	1972	95					1/23/2013	15.1	142	29549	Interstate
64	EBL ROUTE 0064	RUMLEY MARSH	VDOT	12697	Culvert	Yes	1972	1972	95					1/29/2013	21	212	29691	Interstate
64	EBL ROUTE 0064	STREAM	VDOT	12682	Culvert	No	1972	1972	95					1/23/2013	18	190	29549	Interstate
60	EBL POCAHONTAS TR	DIASCUND CREEK	VDOT	12656	Bridge	Yes	1947	1994	95					6/11/2014	68.9	44.3	2416	Primary
64	EBL ROUTE 0064	CRUMPS SWAMP	VDOT	12680	Culvert	No	1972	1972	95					1/24/2013	15.1	206	29549	Interstate

Table A7: VDOT list of Structures (Bridges and Culverts) in New Kent County

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
64	EBL ROUTE 0064	RUMLEY MARSH	VDOT	12688	Culvert	No	1972	1972	95					1/22/2013	6.9	204	29691	Interstate
64	EBL ROUTE 0064	BR DIASCUND CREEK	VDOT	12695	Culvert	No	1972	1972	95					1/22/2013	6.9	280	29200	Interstate
64	WBL ROUTE 0064	STREAM	VDOT	12681	Culvert	No	1972	1972	96					1/23/2013	17.1	140	20000	Interstate
64	WBL ROUTE 0064	STREAM	VDOT	12658	Culvert	Yes	1964	1964	96					10/8/2014	28.9	97	22500	Interstate
64	WBL ROUTE 0064	TOE INK SWAMP	VDOT	12685	Culvert	No	1972	1972	96					1/23/2013	15.1	138	20000	Interstate
60	WBL POCHONTAS TR	SCHIMINOE CREEK	VDOT	12639	Bridge	Yes	1947	1984	96					6/11/2014	43	46.3	3237	Primary
64	WBL ROUTE 0064	RUMLEY MARSH	VDOT	12696	Culvert	Yes	1972	1972	96					1/29/2013	21	204	20000	Interstate
64	WBL ROUTE 0064	STREAM	VDOT	12660	Culvert	Yes	1964	1964	96					10/7/2014	22	92	22500	Interstate
64	WBL ROUTE 0064	CRUMPS SWAMP	VDOT	12679	Culvert	No	1972	1972	96					1/24/2013	18	201	20000	Interstate
64	WBL ROUTE 0064	SCHIMINOE CREEK	VDOT	12687	Culvert	No	1972	1972	96	FO				1/23/2013	5.9	142	20000	Interstate
64	WBL ROUTE 0064	RUMLEY MARSH	VDOT	12689	Culvert	No	1972	1972	96					1/22/2013	7.9	248	20000	Interstate
64	WBL ROUTE 0064	DIASCUND CREEK	VDOT	12690	Culvert	Yes	1972	1972	96					1/6/2015	21	144	19000	Interstate
64	WBL ROUTE 0064	BR DIASCUND CREEK	VDOT	12694	Culvert	No	1972	1972	96					1/22/2013	6.9	190	19000	Interstate
64	EBL ROUTE 0064	STREAM	VDOT	12698	Culvert	Yes	1971	1971	96					10/7/2014	23	255	23375	Interstate
64	WBL ROUTE 0064	STREAM	VDOT	12699	Culvert	Yes	1971	1971	96					10/7/2014	23	243	18000	Interstate
30	NEW KENT HIGHWAY	BIG MEADOW CREEK	VDOT	12629	Culvert	No	1937	1937	97					12/11/2012	13.1	38	3184	Primary
613	DISPATCH ROAD	HIGGINS SWAMP	VDOT	12721	Culvert	No	1962	1962	98					11/1/2012	17.1	59	1199	Secondary
60	WBL POCAHONTAS TR	CRUMPS SWAMP	VDOT	12650	Culvert	No	1947	1947	99					12/12/2012	17.1	124	4676	Primary
60	WBL POCAHONTAS TR	WOOTENS BRANCH	VDOT	12645	Culvert	No	1947	1947	100					12/12/2012	6.9	72	2416	Primary
60	WBL POCAHONTAS TR	HUBBARDS BRANCH	VDOT	12646	Culvert	No	1948	1948	100					12/12/2012	6.9	52	2416	Primary
608	OLD RIVER ROAD	BLACK CREEK	VDOT	12716	Culvert	Yes	1973	1973	100					11/13/2014	46.9	41	296	Secondary
631	SOUTH GARDEN ROAD	DESHAZO SWAMP	VDOT	12739	Bridge	No	1923	1923	100					7/16/2014	18	49.9	273	Secondary
628	MT. PLEASANT ROAD	DIASCUND CREEK	VDOT	26852	Bridge	Yes	2001	2001	100					7/24/2013	53.1	24.9	39	Secondary
606	OLD CHURCH ROAD	BLACK CREEK	VDOT	12714	Culvert	Yes	1959	1959	100					11/13/2014	44	60	918	Secondary
60	EBL POCHONTAS TRL.	SCHIMINOE CREEK	VDOT	12637	Culvert	Yes	1990	1990	100					1/14/2014	24.9	61	3237	Primary
606	OLD CHURCH ROAD	SOUTHERN BRANCH	VDOT	12713	Culvert	No	1959	1959	100					11/1/2012	19	36	320	Secondary
617	CRISS CROSS ROAD	RUMLEY MARSH	VDOT	12722	Culvert	No	1958	1958	100					2/28/2013	11.2	31	31	Secondary

Note : Structures listed in ascending order of Sufficiency Ratings

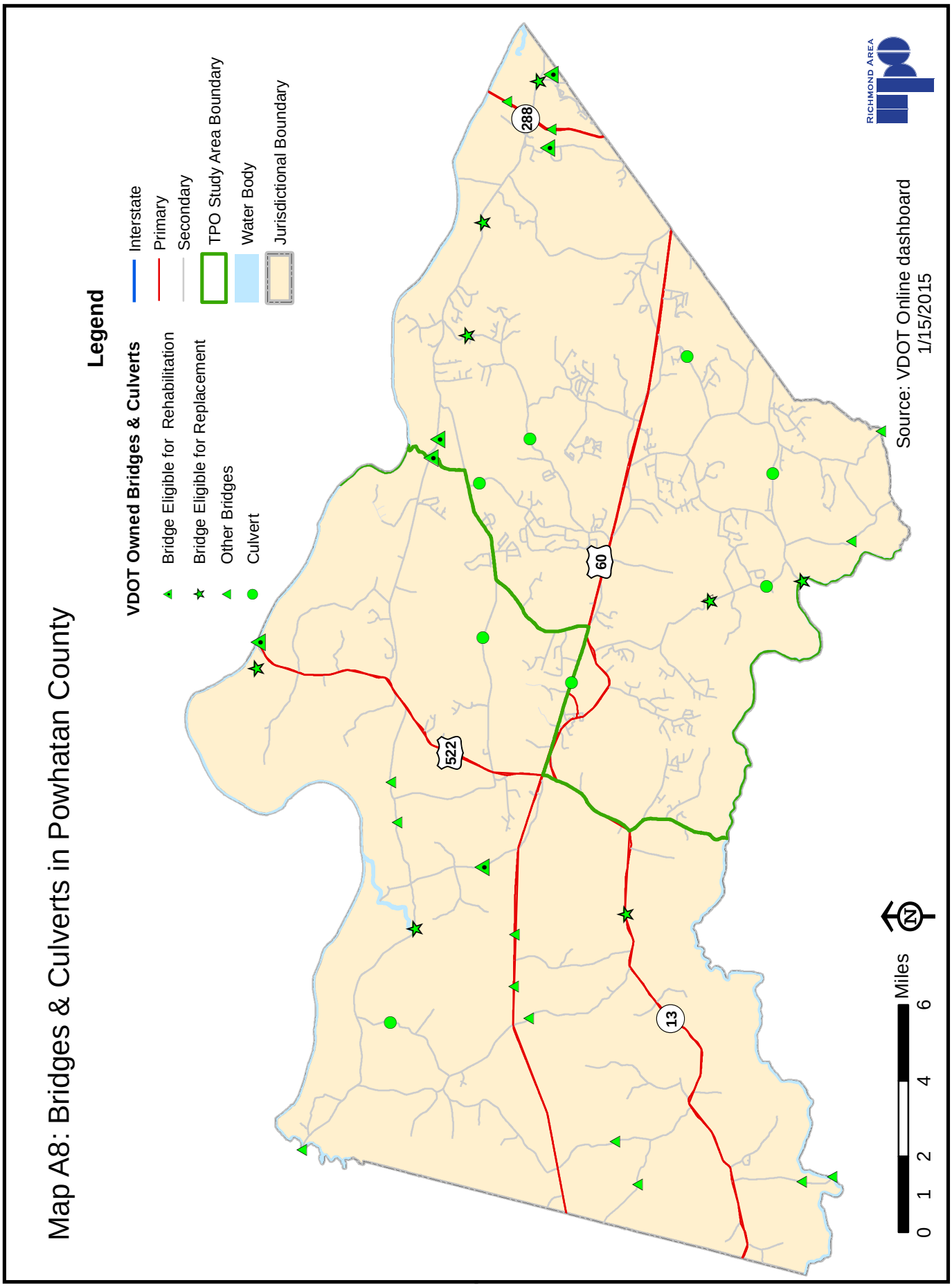
Deficient Structure with Sufficiency Rating 0 - 49.9 highlighted in red.

Deficient Structure with Sufficiency Rating 50-80 highlighted in green.

Source : VDOT online listing of Bridges by District

URL : http://dashboard.virginiadot.org/Pages/Maintenance/AdvancedBridgeReport.aspx?districtCode=4

This page intentionally left blank


Map A8: Bridges & Culverts in Powhatan County
Legend
VDOT Owned Bridges & Culverts
Bridge Eligible for Rehabilitation
Bridge Eligible for Replacement
Other Bridges
Culvert
Interstate
Primary
Secondary
TPO Study Area Boundary
Water Body
Jurisdictional Boundary
288
60
522
13
Source: VDOT Online dashboard
1/15/2015
RICHMOND AREA
N
0 1 2 4 6
Miles

This page intentionally left blank

Table A8: VDOT list of Structures (Bridges and Culverts) in Powhatan County

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
13	Old Buckingham Rd.	SALLEE CREEK	VDOT	13826	Bridge	Yes	1920	1945	21	SD	Yes		Posted	4/8/2014	26	26	1764	Primary
711	HUGUENOT TRAIL	NORWOOD CREEK	VDOT	13866	Bridge	Yes	1939	1939	25	SD	Yes			4/11/2014	127.5	26.2	6177	Secondary
604	GENITO ROAD	APPOMATTOX RIVER	VDOT	13841	Bridge	Yes	1954	1954	36	FO	Yes		Posted	5/8/2014	338.7	23.5	3519	Secondary
684	CARTERSVILLE ROAD	DEEP CREEK	VDOT	13863	Bridge	Yes	1935	1935	38	SD	Yes		Posted	12/2/2014	131.9	24.3	739	Secondary
603	Rocky Ford Road	BRANCH ROCKY FORD CREEK	VDOT	13837	Bridge	No	1954	2001	42	SD	Yes			7/31/2014	20	20	640	Secondary
313	Beaumont Road	GRIGG LAKE	VDOT	13833	Bridge	Yes	1945	1945	45	FO	Yes			10/17/2013	45.3	20.8	393	Primary
711	HUGUENOT TRAIL	BERNARD CREEK	VDOT	13865	Bridge	Yes	1940	1940	45	FO	Yes			4/29/2014	127.5	27.3	13198	Secondary
603	Petersburg Road	BUTTERWOOD CREEK	VDOT	13836	Bridge	Yes	1955	1975	46				Posted	4/8/2014	40	24	389	Secondary
614	Judes Ferry Road	JONES CREEK	VDOT	13845	Bridge	Yes	1976	1976	47	SD	Yes			2/11/2014	40	23.8	1535	Secondary
603	Rocky Ford Road	ROCKY FORD CREEK	VDOT	13835	Bridge	Yes	1950	1978	53				Posted	7/31/2014	42	25	640	Secondary
681	Clementon Road	APPOMATTOX RIVER	VDOT	13861	Bridge	Yes	1933	1933	54					6/25/2014	185	24.9	728	Secondary
522	ROUTE 0522	JAMES RIVER @	VDOT	13834	Bridge	Yes	1972	1972	58	FO		Yes		4/10/2014	1012.1	30.8	3567	Primary
607	Huguenot Springs R	BERNARDS CREEK	VDOT	13844	Bridge	Yes	1945	1996	58	FO		Yes	Posted	7/16/2014	30.5	21.2	487	Secondary
711	Huguenot Trail	BRANCH OF FINE CREEK	VDOT	13868	Bridge	No	1940	1940	61	FO		Yes		10/9/2013	14.5	25.5	2040	Secondary
711	HUGUENOT TRAIL	FINE CREEK	VDOT	13867	Bridge	Yes	1940	1940	62	FO		Yes		4/29/2014	85	26.1	2040	Secondary
630	Balllsville Road	DEEP CREEK	VDOT	13858	Bridge	Yes	1959	1976	69					9/9/2014	64.8	28.9	445	Secondary
621	Cosby Road	GADDES CREEK	VDOT	13851	Bridge	Yes	1954	1978	70					8/5/2014	21	25.9	509	Secondary
621	Cosby Road	SOLOMON'S CREEK	VDOT	13850	Bridge	Yes	1978	1978	70					8/5/2014	22.3	25.6	578	Secondary
684	Bell Road	STEGERS CREEK	VDOT	13862	Bridge	No	1938	1938	72	FO		Yes		10/17/2013	22.6	26	1427	Secondary
684	Cartersville Road	MUDDY CREEK	VDOT	13864	Bridge	Yes	1940	2011	78					1/3/2013	129.9	26.9	1177	Secondary
617	Route 617	BRANCH OF MOHAWK CREEK	VDOT	13849	Culvert	No	1962	1962	79					12/12/2013	13.1	38	164	Secondary
714	Winterfield Road	ROBERTS BRANCH	VDOT	29185	Bridge	No	2007	2007	79	FO		Yes		5/1/2013	19	91.5	4705	Secondary
60	Anderson Highway	BRANCH	VDOT	13830	Culvert	Yes	1962	1962	79					11/17/2014	40	179	22179	Primary
60	Anderson Hwy	STREAM	VDOT	13828	Culvert	No	1941	1969	82					8/6/2014	7	149	27949	Primary
60	Anderson Hwy	STREAM	VDOT	13829	Culvert	No	1941	1968	82					8/13/2012	5.9	220	24793	Primary
628	Red Lane Road	JONES CREEK	VDOT	13854	Culvert	Yes	1965	1965	84					4/2/2014	25.9	58	1420	Secondary
622	Clayville Road	SKINQUARTER CREEK	VDOT	13853	Bridge	Yes	1945	2008	85					4/2/2014	38.3	24	264	Secondary
60	Anderson Highway	SALLEE CREEK	VDOT	13831	Bridge	Yes	1988	1988	86					9/23/2014	87	45.8	7176	Primary
681	Clement Town Road	STREAM	VDOT	13860	Bridge	Yes	1973	1973	86					9/10/2013	32.7	28	728	Secondary
60	Anderson Highway	DEEP CREEK	VDOT	13832	Bridge	Yes	1988	1988	87					9/23/2014	152.9	45.8	7176	Primary
629	Old Tavern Road	DEEP CREEK	VDOT	13857	Bridge	Yes	1964	1973	88					1/3/2013	115.2	27.9	224	Secondary
621	Cosby Road	STREAM INTO JAMES RIVER	VDOT	13852	Culvert	No	1962	1962	89					10/17/2013	12.1	36	509	Secondary
711	Huguenot Trail	ROUTE 288	VDOT	26327	Bridge	Yes	2003	2003	93					7/15/2013	227	107.9	13198	Secondary
60	Anderson Hwy EBL	STREAM	VDOT	13827	Culvert	No	1938	1938	97					8/13/2012	5.9	50	27949	Primary
715	Route 715	DEEP CREEK	VDOT	13869	Culvert	Yes	2013	2013	97					7/22/2013	26	41	43	Secondary

Table A8: VDOT list of Structures (Bridges and Culverts) in Powhatan County

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
615	Three Bridge Road	BRANCH CREEK	VDOT	25953	Culvert	Yes	1998	1998	98					4/2/2014	32.2	49	403	Secondary
634	Stave Mill Road	SWIFT CREEK	VDOT	13859	Culvert	Yes	1986	1986	98					4/2/2014	42	38	3202	Secondary
604	Genito Road	BUTTERWOOD CREEK	VDOT	13840	Culvert	Yes	1972	1972	98					5/16/2013	34.1	42	3242	Secondary
288	NBL ROUTE 0288	JAMES RIVER & CSX RAILRD	VDOT	26411	Bridge	Yes	2004	2004	98					8/20/2014	3662.1	42.7	1850	Primary
288	SBL ROUTE 0288	JAMES RIVER & CSX RAILRD	VDOT	26328	Bridge	Yes	2004	2004	98					8/22/2014	3662.1	42.7	1850	Primary
288	SBL ROUTE 0288	BERNARD'S CREEK	VDOT	26323	Bridge	Yes	2004	2004	98					5/27/2014	570.9	57.4	1850	Primary
288	NBL ROUTE 0288	BERNARD'S CREEK	VDOT	26410	Bridge	Yes	2004	2004	98					7/17/2014	570.9	54.5	1850	Primary
603	Rocky Ford Road	SKIPPERS CREEK	VDOT	13839	Culvert	Yes	1963	1963	99					5/1/2013	22	48	546	Secondary
606	Blenhein Road	DEEP CREEK	VDOT	26542	Bridge	Yes	1999	1999	99					8/5/2014	41.2	24	81	Secondary
603	Rocky Ford Road	BRANCH OF ROCKY FORD CRE	VDOT	13838	Culvert	No	1977	1977	99					2/28/2013	18	64	640	Secondary
606	Blenhein Road	BRANCH OF DEEP CREEK	VDOT	13843	Culvert	No	1972	1972	99					2/28/2013	13.1	48	81	Secondary
614	Mill Road	MILL CREEK	VDOT	13846	Culvert	Yes	1961	1961	100					5/16/2013	24.9	95	569	Secondary

Note : Structures listed in ascending order of Sufficiency Ratings

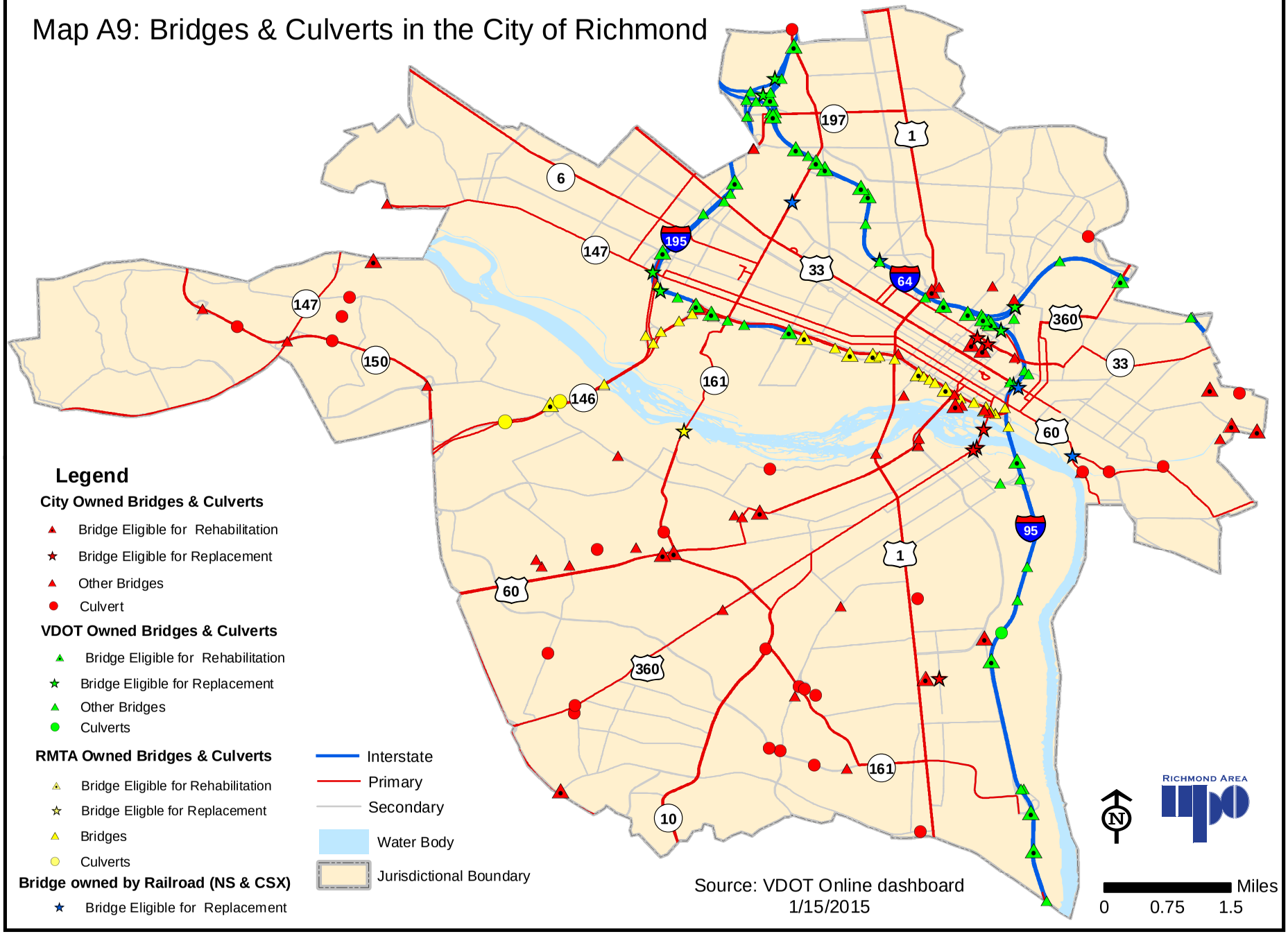
Deficient Structure with Sufficiency Rating 0 - 49.9 highlighted in red.

Deficient Structure with Sufficiency Rating 50-80 highlighted in green.

Source : VDOT online listing of Bridges by District

URL : http://dashboard.virginiadot.org/Pages/Maintenance/AdvancedBridgeReport.aspx?districtCode=4

Map A9: Bridges & Culverts in the City of Richmond



This page intentionally left blank

Table A9: VDOT list of Structures (Bridges and Culverts) in the City of Richmond

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
0	5TH STREET	ROUTE 33 (LEIGH STREET)	City of Richmond	21370	Bridge	Yes	1971	1971	6	SD	Yes		Posted	9/22/2014	103	63	8500	Urban
161	NORTH BOULEVARD	CSX RAILWAY	Railroad	21531	Bridge	Yes	1943	1986	9	FO	Yes			8/20/2013	251	69.9	23779	Primary
0	LYNHAVEN AVENUE	BROAD ROCK CREEK	City of Richmond	21357	Bridge	Yes	1949	1949	13	SD	Yes		Posted	7/2/2014	24.9	30.2	1800	Urban
0	7TH STREET	ROUTE 33 (LEIGH STREET)	City of Richmond	21374	Bridge	Yes	1971	1971	15	SD	Yes		Posted	9/23/2014	103	63	5900	Urban
161	WESTOVER HILLS BLV	JAMES RV,NS RWY,CSX RWY	RMTA	21528	Bridge	Yes	1924	1993	15	FO	Yes		Posted	9/13/2014	2032.2	27.9	12957	Primary
5	MAIN STREET	NS RAILWAY	Railroad	21398	Bridge	Yes	1913	1913	28	SD	Yes		Posted	2/20/2014	32.2	52.2	6468	Primary
147	Cary Street	RTE. 195 & CSX RAILROAD	VDOT	21519	Bridge	Yes	1975	1975	29	SD	Yes		Posted	2/27/2014	415	66.3	16215	Primary
360	HULL STREET	MANCHESTER CANAL	City of Richmond	21585	Bridge	Yes	1921	2005	34	SD	Yes			11/14/2014	41	65.6	20845	Primary
0	LOMBARDY STREET	CSX RAILWAY	Railroad	21380	Bridge	Yes	1932	1933	36	SD	Yes		Posted	9/20/2014	155.8	50.2	7600	Urban
360	14TH STREET	JAMES RIVER SOUTH DIV @	City of Richmond	21583	Bridge	Yes	1913	1913	36	SD	Yes			8/25/2014	840.9	59.1	20845	Primary
360	14TH STREET	JAMES RIVER NORTH DIV @	City of Richmond	21584	Bridge	Yes	1913	1913	36	SD	Yes			8/25/2014	533.1	59.1	20845	Primary
64	WBL ROUTE 0064	RTE I 195 NBL & RAMP B	VDOT	21417	Bridge	Yes	1967	1971	38	SD	Yes			5/15/2014	183.1	72.8	71500	Interstate
0	BELLEVUE AVENUE	ROUTE I-95	VDOT	21280	Bridge	Yes	1958	1958	41	SD	Yes			9/10/2014	190.9	42	2106	Urban
64	Interstate-64 EBL	CSX,HOSPITALST&VALLEYRD	VDOT	21425	Bridge	Yes	1967	2001	43	SD	Yes			4/25/2014	1473.1	45.9	48110	Interstate
64	WBL ROUTE 0064	CSXT,HOSPITALST&VALL	VDOT	21427	Bridge	Yes	1967	2001	44	SD	Yes			4/24/2014	1494.1	45.9	42500	Interstate
195	SBL ROUTE 0195	RTE 76 , CSX RR , RAMP S	VDOT	21552	Bridge	Yes	1975	1975	44	SD	Yes			10/30/2014	611.5	56.1	71000	Interstate
250	BROAD STREET	ROUTE 0095	VDOT	21569	Bridge	Yes	1958	1977	47	SD	Yes			10/9/2014	151.9	73.2	19792	Primary
0	7th Street	I-95, LOOP-J, RAMP-B	VDOT	21289	Bridge	Yes	1958	2004	48	SD	Yes			5/23/2014	252	60.7	6451	Urban
250	BROAD STREET	RAVINE (CSX ROW)	Railroad	21575	Bridge	Yes	1909	1909	49	SD	Yes			4/22/2014	34.1	65.9	19792	Primary
0	COMMERCE ROAD	GOODES CREEK	City of Richmond	21360	Bridge	Yes	1940	1940	50	SD		Yes		9/21/2014	152.9	46.9	4379	Urban
0	COLUMBIA STREET	BROAD ROCK CREEK	City of Richmond	21359	Bridge	Yes	1947	1947	50	FO		Yes	Posted	11/7/2014	25.9	12.1	100	Urban
0	4TH STREET	ROUTE I-95	VDOT	21284	Bridge	Yes	1969	1969	51	SD		Yes		5/22/2014	175.9	74.1	2777	Urban
0	EAST RICHMOND ROAD	GILLIES CREEK	City of Richmond	21378	Bridge	Yes	1932	1932	51	SD		Yes		7/22/2014	29.9	21.7	1068	Urban
95	I-95 Ramps B&D	INTERSTATE 95	VDOT	21503	Bridge	Yes	1977	1993	52	SD		Yes		3/27/2014	219.2	58	94483	Interstate
195	Route 195	HAMILTON STREET	VDOT	21554	Bridge	Yes	1975	1975	55	SD		Yes		3/18/2014	187	123.4	85749	Interstate
64	EBL ROUTE 0064	RTE 95,4TH & 5TH STREETS	VDOT	21435	Bridge	Yes	1969	1998	55	SD		Yes		7/31/2014	729	34.1	48110	Interstate
0	Grove Ave.	ROUTE 195 & CSX RR	VDOT	21310	Bridge	Yes	1975	1975	55	FO		Yes		4/30/2013	270	69.9	10658	Urban
95	Interstate-95	DEEPWTR TERMINAL SER. RD	VDOT	21486	Bridge	Yes	1958	1984	56	SD		Yes		3/26/2014	70.9	106.6	91074	Interstate
0	WALMSLEY BOULEVARD	POCOSHAM CREEK	City of Richmond	21273	Bridge	Yes	1968	1968	56	FO		Yes		9/13/2013	100.1	34.1	8089	Urban
195	NBL ROUTE 0195	& RM B RT I64 O RTE I 95	VDOT	21546	Bridge	Yes	1967	1996	57					11/20/2014	410.1	35.1	42874	Interstate
64	WBL ROUTE 0064	4TH STREET	VDOT	21429	Bridge	Yes	1969	1969	57					6/6/2013	310	46.9	42500	Interstate
161	Rte 161(Hermitage)	INTERSTATE-95	VDOT	21526	Bridge	Yes	1958	2002	57	FO		Yes		11/19/2014	193.9	89.9	16834	Primary
95	Interstate 95	GOODES CREEK	VDOT	21506	Culvert	Yes	1957	1977	59					12/12/2013	23	223	91074	Interstate
95	ROUTE 0095	STREAM	VDOT	21500	Culvert	No	1958	1958	59					2/7/2013	19	187	98513	Interstate
95	RTE 95 RAMPS ABC&D	CSX RAILWAY	VDOT	21473	Bridge	Yes	1958	1989	60					8/25/2014	162.1	101.3	22576	Interstate
95	ROUTE 0095 (0064)	ROBINHOOD ROAD	VDOT	21449	Bridge	Yes	1958	2013	61	FO		Yes		5/16/2013	184.5	123	143310	Interstate
360	HULL STREET	BRANCH POCOSHAM CREEK	City of Richmond	21579	Culvert	Yes	1952	1986	61					10/28/2014	30.8	94	23709	Primary

Table A9: VDOT list of Structures (Bridges and Culverts) in the City of Richmond

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
64	RAMP TO 5TH & 95S	ROUTE I-95	VDOT	21287	Bridge	Yes	1958	1995	62	SD		Yes		5/23/2014	175.9	60	4274	Interstate
0	1ST STREET	ROUTE I-95 (I-64)	VDOT	21282	Bridge	Yes	1958	2003	63	SD		Yes		5/22/2014	251	58.1	7400	Urban
95	ROUTE 0095	JAMES RV,RTE 360(60)&CSX	VDOT	21494	Bridge	Yes	1958	2011	63	FO		Yes		9/26/2014	4185	88.6	115000	Interstate
60	MIDLOTHIAN TURNPIK	CSX RAILWAY	City of Richmond	21409	Bridge	Yes	1954	1954	63	FO		Yes		10/29/2013	128	59.1	24103	Primary
0	MEADOW STREET	ROUTE 195 EXPRESSWAY	VDOT	21306	Bridge	Yes	1976	1996	64	SD		Yes		5/21/2014	153	92.3	3715	Urban
95	Interstate 95	RTE. 197 (LABURNUM AVE.)	VDOT	21498	Bridge	Yes	1958	2013	64	FO		Yes		5/16/2013	122	108.7	98513	Interstate
95	ROUTE 0095 (0064)	HERMITAGE ROAD	VDOT	21451	Bridge	Yes	1958	2013	64	FO		Yes		5/17/2013	209	108.7	150982	Interstate
95	Interstate 95	WESTWOOD AVENUE	VDOT	21457	Bridge	Yes	1958	2012	64	FO		Yes		5/15/2013	88.9	131.3	150982	Interstate
0	RIVERSIDE DRIVE	RATTLESNAKE CREEK	City of Richmond	21274	Bridge	No	1950	1998	64	FO		Yes	Posted	1/20/2014	20	20.3	622	Urban
60	MIDLOTHIAN TURNPIK	ROUTE 161 BELT BOULEVARD	City of Richmond	21407	Bridge	Yes	1953	1961	64	FO		Yes		10/28/2013	142.1	59.1	24103	Primary
0	EAST RICHMOND ROAD	STONEY RUN	City of Richmond	21379	Bridge	Yes	1932	1932	65	FO		Yes		7/22/2014	32.2	21.7	1068	Urban
95	Interstate-95/I-64	ROUTE 161 (BOULEVARD)	VDOT	21453	Bridge	Yes	1958	2012	66	FO		Yes		5/16/2013	143.6	107.9	150982	Interstate
0	FOREST HILL AVENUE	ROUTE 76 & POWHITE CREEK	RMTA	21295	Bridge	Yes	1972	1972	66	FO		Yes		10/9/2013	251	66.6	20626	Urban
360	Mechanicsville Tnp	INTERSTATE-64 AND CD RDS	VDOT	21576	Bridge	Yes	1968	1968	67	SD		Yes		6/20/2014	311	106	38112	Primary
6	Patterson Ave.	RTE. 195 & CSX RAILROAD	VDOT	21399	Bridge	Yes	1975	1975	67					2/7/2013	190	71.5	8394	Primary
64	Interstate 64 WBL	INTERSTATE 195 SBL	VDOT	21459	Bridge	Yes	1975	1975	67					2/6/2013	124	56.1	71500	Interstate
0	HOPKINS ROAD	RAVINE	City of Richmond	21272	Bridge	Yes	1975	1975	67					10/25/2013	105	64	8758	Urban
0	7TH STREET	ROUTE 195 EXPRESSWAY	RMTA	21349	Bridge	Yes	1975	1975	67	FO		Yes		10/11/2013	143	54.1	6100	Urban
195	SBL DOWNTOWN EXPWY	RTE 195 NBL & 12TH ST	RMTA	21544	Bridge	Yes	1975	1994	67	FO		Yes		10/25/2014	1713.9	35.4	28000	Primary
95	Ramp F to I-64 EBL	7 TH STREET	VDOT	21431	Bridge	Yes	1969	1969	68					6/6/2013	247	35.1	10000	Interstate
33	LEIGH STREET	RTES 95 & 360 & CSX RWY	City of Richmond	21405	Bridge	Yes	1975	1976	68					11/26/2012	2150.9	111.2	10442	Primary
161	HERMITAGE ROAD	UPHAM BROOK	City of Richmond	21532	Culvert	Yes	1953	1953	68					12/10/2012	41	115	16834	Primary
95	Interstate 95	PETROLEUM PIPELINE	VDOT	21507	Culvert	No	1957	1978	69					7/3/2013	11.2	197	91074	Interstate
95	Interstate 95	EXXON OIL CO. PIPELINE	VDOT	21505	Culvert	No	1958	1978	69					7/3/2013	17.1	330	87998	Interstate
64	WBL ROUTE 0064	ROUTE 95	VDOT	21419	Bridge	Yes	1967	1967	69					5/30/2013	480	35.1	71500	Interstate
95	Interstate 95	CSX TRANSP. & SERVICE RD	VDOT	21492	Bridge	Yes	1958	1977	69					2/4/2013	149.9	106.6	91074	Interstate
195	NBL DOWNTOWN EXPWY	RT 360, 16 ST, NS & CSX	RMTA	21542	Bridge	Yes	1975	1986	69					11/3/2013	1048.9	35.4	15944	Primary
195	NBL ROUTE 0195	CSX TRANSP RAILROAD	VDOT	21556	Bridge	Yes	1975	1975	70					3/10/2014	465.9	57.7	85749	Interstate
95	ROUTE 0095	DUPONT WATERLINE ROAD	VDOT	21480	Bridge	Yes	1958	2003	70	FO		Yes		4/30/2013	60	124	87998	Interstate
95	ROUTE 0095	PIPELINES	VDOT	21490	Culvert	No	1957	1978	70					1/5/2015	7.9	138	91074	Interstate
150	CHIPPENHAM PARKWAY	STREAM	City of Richmond	23334	Culvert	Yes	1989	1989	70					5/23/2013	35.1	205	42921	Primary
76	POWHITE PARKWAY	POWHITE CREEK	RMTA	21466	Culvert	Yes	1972	1972	70					9/11/2013	47.9	198	72567	Primary
1	NBL BELVIDERE ST	BROOK ROAD & CSX RAILWAY	City of Richmond	21388	Bridge	Yes	1958	1958	70	FO		Yes		3/25/2013	508.9	47.6	12998	Primary
10	BROAD ROCK BOULEVD	BROAD ROCK CREEK	City of Richmond	21401	Culvert	Yes	1957	1985	70					12/11/2012	36.1	182	18275	Primary
0	FOREST HILL AVENUE	CSX RAILWAY	City of Richmond	21275	Bridge	Yes	1974	1974	71					10/30/2013	203.1	67.9	20626	Urban
1	SBL BELVIDERE ST	BROOK ROAD & CSX RAILWAY	City of Richmond	21386	Bridge	Yes	1958	1958	71	FO		Yes		3/21/2013	461.9	47.6	12998	Primary
64	WBL ROUTE 0064	ROUTE 95	VDOT	21441	Bridge	Yes	1971	1971	72	SD		Yes		5/15/2014	416	32.2	3000	Interstate

Table A9: VDOT list of Structures (Bridges and Culverts) in the City of Richmond

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
64	EBL ROUTE 0064	CSX TRANSP & SHOCKOE CK	VDOT	21433	Bridge	Yes	1969	1969	72					3/29/2013	543	46.9	48110	Interstate
195	Route I-195 NBL	BELLEVUE AVE.	VDOT	21548	Bridge	Yes	1967	1967	73					11/20/2013	113.8	42	42874	Interstate
0	Idlewood Ave.	I-195 & RAMP W	VDOT	21314	Bridge	Yes	1975	1993	73	FO		Yes		12/5/2014	500	41.7	4000	Urban
0	Chamberlayne Pkwy	INTERSTATE-95 & I-64	VDOT	21293	Bridge	Yes	1958	2004	73	FO		Yes		5/28/2014	142.1	62.7	6441	Urban
0	HAXALL POINT	HAXALL CANAL	City of Richmond	29092	Bridge	Yes	2005	2005	74	FO		Yes		4/10/2013	95.1	53.1	733	Urban
161	BELT BOULEVARD	BROAD ROCK CREEK	City of Richmond	21525	Culvert	Yes	1960	1991	74					7/22/2014	35.1	216	6700	Primary
0	OAKWOOD CEMETERY RO	UNNAMED TRIB	City of Richmond	29945	Bridge	Yes	1920	1920	74	FO		Yes		11/27/2013	49.5	21.3	20	Urban
146	SBL ROUTE 0146	SBL ROUTE 0195 EXPRESSWY	VDOT	21513	Bridge	Yes	1976	1976	75	FO		Yes		7/22/2013	115.2	49.2	21702	Primary
64	WBL ROUTE 0064	CSX TRANSP & SHOCKOE CK	VDOT	21434	Bridge	Yes	1969	1969	75					3/27/2013	490.2	46.9	42500	Interstate
0	2ND STREET	ROUTE 195 EXPRESSWAY	RMTA	21341	Bridge	Yes	1975	1975	75	FO		Yes		10/31/2013	253	56.1	6234	Urban
195	NBL ROUTE 0195	LABURNUM AVENUE	VDOT	21557	Bridge	Yes	1975	1994	76					5/20/2014	190	65.9	42874	Interstate
0	11TH STREET	HAXALL PT & HAXALL CANAL	City of Richmond	29090	Bridge	Yes	2005	2005	76					6/11/2014	151.9	34.4	400	Urban
0	HARRISON STREET	ROUTE 195 EXPRESSWAY	RMTA	21333	Bridge	Yes	1975	1975	76	FO		Yes		10/31/2013	204.1	60	7500	Urban
76	EBL POWHITE PARKWY	SBL ROUTE 146	RMTA	21471	Bridge	Yes	1975	1991	76					11/1/2013	192.9	56.4	70608	Primary
64	Interstate 64 WBL	RTE. 197 (LABURNUM AVE.)	VDOT	21421	Bridge	Yes	1967	1967	77					2/20/2013	173.9	44	71500	Interstate
195	SBL ROUTE 0195	LABURNUM AVENUE	VDOT	21559	Bridge	Yes	1975	1975	77					6/5/2013	195.9	68.2	39500	Interstate
64	Interstate 64 EBL	RTE. 197 (LABURNUM AVE.)	VDOT	21423	Bridge	Yes	1967	1967	77					2/20/2013	176.8	56.1	65228	Interstate
95	ROUTE 0095 (0064)	SHERWOOD AVENUE	VDOT	21447	Bridge	Yes	1958	2013	77	FO		Yes		5/9/2013	128.4	123	143310	Interstate
0	DOUGLASDALE ROAD	ROUTE 76 AND CSX RWY	RMTA	21297	Bridge	Yes	1972	1972	77					11/1/2013	305.1	40.4	3500	Urban
0	CANAL STREET	VCU RAMP FR PARKING DECK	City of Richmond	21339	Bridge	Yes	1975	1975	78					10/26/2013	118.1	51.8	5741	Urban
0	5TH STREET	CLAY STREET	City of Richmond	21368	Bridge	Yes	1971	1971	78	FO		Yes		7/29/2013	44.9	56.4	10700	Urban
0	7TH STREET	CLAY STREET	City of Richmond	21372	Bridge	Yes	1971	1971	78	FO		Yes		7/30/2013	44.9	56.4	11819	Urban
60	FOREST HILL AVENUE	REEDY CREEK	City of Richmond	21415	Bridge	Yes	1977	1977	78	FO		Yes		6/11/2014	96.1	52.5	22040	Primary
150	CHIPPENHAM PARKWAY	RATTLESNAKE CREEK	City of Richmond	21522	Culvert	Yes	1990	1990	78					10/29/2014	44.9	125	41322	Primary
195	Interstate-195 NBL	INTERSTATE-64 EBL	VDOT	21561	Bridge	Yes	1975	1975	79					2/13/2013	201.1	44	42874	Interstate
0	ALLEN AVENUE	ROUTE 195 EXPRESSWAY	RMTA	21329	Bridge	Yes	1975	1975	79	FO		Yes		10/31/2013	212.9	40.4	3300	Urban
0	CHERRY STREET	ROUTE 195 EXPRESSWAY	RMTA	21335	Bridge	Yes	1975	1975	79	FO		Yes		10/11/2013	149.9	48.2	3100	Urban
195	I-195 SBL	I-64 EBL U 2849	VDOT	21563	Bridge	Yes	1975	1975	80					2/13/2013	179.1	44	36000	Interstate
250	BROAD STREET	ROUTE 0095 RAMP E	VDOT	21571	Bridge	Yes	1958	1958	80					7/30/2013	42	87.9	19792	Primary
0	Monument Ave.	RTE. 195 & CSX RAILROAD	VDOT	21316	Bridge	Yes	1975	1975	80					2/7/2013	194.9	118.1	22230	Urban
195	NBL DOWNTOWN EXPWY	12TH STREET	RMTA	21540	Bridge	Yes	1975	1975	80					11/1/2013	134.8	40.7	15944	Primary
95	ROUTE 0095 (0064)	RTE 95 RAMP A TO RTE 161	VDOT	21455	Bridge	Yes	1958	2012	81	FO				5/16/2013	72	108.7	150982	Interstate
95	ROUTE 0095 (0064)	OVERBROOK ROAD	VDOT	21445	Bridge	Yes	1958	2013	81					5/16/2013	115	108.7	143310	Interstate
0	1ST STREET	CSX TRANSP RR & BACON ST	City of Richmond	27616	Bridge	Yes	2000	2000	81					8/22/2013	857.9	42.7	4136	Urban
0	WARWICK ROAD	CSX RAILWAY	City of Richmond	25349	Bridge	Yes	1998	1998	81					11/25/2013	146	83	12000	Urban
0	HOPKINS ROAD	RT 161 CSX RR BR ROCK CK	City of Richmond	24272	Bridge	Yes	1994	1994	81					11/13/2014	793	67.6	8758	Urban
95	DOWNTN EXP RAMP SW	JAMES RV,STREETS,CSX RWY	RMTA	21508	Bridge	Yes	1976	1976	81	FO				11/2/2014	1674.9	29.2	4100	Interstate

Table A9: VDOT list of Structures (Bridges and Culverts) in the City of Richmond

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
161	WESTOVER HILLS BLV	REEDY CREEK	City of Richmond	21533	Culvert	Yes	1958	1982	82					3/20/2014	51.8	110	17824	Primary
60	9TH STREET	JAMES RV,RAILRDS,&CANAL@	City of Richmond	21411	Bridge	Yes	1973	1973	82					8/20/2014	2905.8	102	11835	Primary
76	WBL POWHITE PARKWY	JAMES RV & CSX RAILWAY	RMTA	21464	Bridge	Yes	1972	1988	82					11/4/2013	1971.1	71.9	46250	Primary
0	ROUTE 0000	I-195	VDOT	21312	Bridge	Yes	1975	1975	83	FO				5/17/2013	187	54.1	1000	Urban
95	ROUTE 0095	GRAVEL ROAD	VDOT	21488	Bridge	No	1958	1977	83	FO				7/16/2013	16.1	106.6	91074	Interstate
0	S. Robinson Street	I-195 (DOWNTOWN EXPWAY)	VDOT	21304	Bridge	Yes	1976	1976	83	FO				5/21/2014	206	51.8	1000	Urban
0	WARWICK ROAD	GRINDALL CREEK (WEST)	City of Richmond	25350	Culvert	Yes	1998	1998	83					11/21/2013	30.8	143	9631	Urban
0	WARWICK ROAD	GRINDALL CREEK (EAST)	City of Richmond	25351	Culvert	Yes	1998	1998	83					11/20/2013	78.1	180	12000	Urban
0	WILLIAMSBURG ROAD	GILLIES CREEK	City of Richmond	21385	Culvert	Yes	1976	1976	83					7/16/2014	44	152	9600	Urban
150	CHIPPENHAM PARKWAY	STONEY POINT ROAD	City of Richmond	21523	Bridge	Yes	1989	1989	83					5/30/2013	119.1	103.7	42921	Primary
0	RIVER ROAD	LITTLE WESTHAM CREEK	City of Richmond	21299	Bridge	Yes	1960	1985	83	FO				2/4/2013	24.9	77.1	12857	Urban
60	9TH STREET	ROUTE 195 DOWNTOWN EXPWY	City of Richmond	21413	Bridge	Yes	1975	1975	83					4/23/2014	161.1	138.5	8685	Primary
95	ROUTE 0095	ROUTE 0095 RAMPS E & F	VDOT	21496	Bridge	Yes	1958	2002	84	FO				5/22/2013	92.8	117.8	106958	Interstate
0	HOPKINS ROAD	GRINDALL CREEK	City of Richmond	24277	Culvert	Yes	1993	1993	84					11/20/2013	43	129	8808	Urban
0	MAPLEWOOD AVENUE	ROUTE 146	RMTA	21323	Bridge	Yes	1975	1975	84	FO				11/1/2013	163.1	43.6	3100	Urban
1	BELVIDERE STREET	ROUTE 195 EXPRESSWAY	RMTA	21394	Bridge	Yes	1975	1975	84	FO				10/31/2013	271	104.3	26612	Primary
197	WESTWOOD AVENUE	CSX RWY & WESTWD RAMP@	City of Richmond	21566	Bridge	Yes	1966	1966	84					3/19/2013	517.1	100.1	13334	Primary
95	Interstate-95	ESSO ROAD	VDOT	21476	Bridge	No	1958	1997	85	FO				10/27/2014	21	179.1	87998	Interstate
195	I-195 NBL	I-195 SBL & I-64 EBL	VDOT	21550	Bridge	Yes	1975	1991	85					2/14/2013	395	44	12000	Interstate
95	ROUTE 0095 (0064)	LOMBARDY ST & CSX TRANSP	VDOT	21443	Bridge	Yes	1958	2012	85					11/22/2013	736.8	107.3	143310	Interstate
0	HOPKINS ROAD RAMP	BROAD ROCK CREEK	City of Richmond	24273	Culvert	Yes	1994	1994	85					9/19/2014	34.1	108	800	Urban
0	10TH STREET	ROUTE 195 EXPRESSWAY	RMTA	21351	Bridge	Yes	1975	1975	85	FO				10/9/2013	118.1	54.1	2700	Urban
0	RANDOLPH STREET	ROUTE 195 EXPRESSWAY	RMTA	21331	Bridge	Yes	1975	1975	86	FO				11/1/2013	193.9	46.3	1400	Urban
0	MAGNOLIA STREET	SHOCKHOE CREEK	City of Richmond	21381	Culvert	Yes	1931	1931	86					1/31/2013	23	91	7759	Urban
76	POWHITE PKY RAMP S	RTE I-195 NBL & RAMP E	RMTA	21467	Bridge	Yes	1972	1972	86					11/4/2013	274.9	36.1	2100	Primary
95	DOWNTN EXP RAMP NW	RTE 360,STREETS, CSX RWY	RMTA	21511	Bridge	Yes	1975	1975	86					11/3/2013	984.9	29.2	4400	Interstate
197	WESTWOOD AVE RAMP	CSX RAILWAY @	City of Richmond	21568	Bridge	Yes	1966	1966	86					3/20/2013	263.1	33.5	5000	Primary
64	WBL ROUTE 0064	FAIRFIELD AVE	VDOT	21437	Bridge	Yes	1968	1985	87					9/9/2013	149.9	54.1	36899	Interstate
0	WATER STREET	GILLIES CREEK	City of Richmond	21355	Bridge	Yes	1938	1938	87					7/2/2014	64	43	2500	Urban
0	STONEY RUN ROAD	STONEY RUN	City of Richmond	21363	Culvert	Yes	1960	1960	87					12/20/2013	29.9	55	3000	Urban
195	DOWNTN EXP RAMP WS	JAMES RV,RMP SW,17TH,CSX	RMTA	21536	Bridge	Yes	1976	1994	87	FO				10/25/2014	1325.1	24.9	3400	Primary
95	I-95 Ramps A&C	INTERSTATE 95	VDOT	21501	Bridge	Yes	1977	1991	88	FO				3/1/2013	201.1	58.7	4000	Interstate
64	ROUTE I-64 EBL	FAIRFIELD AVE	VDOT	21439	Bridge	Yes	1968	1985	88					9/9/2013	149.9	54.1	36899	Interstate
0	COLUMBIA STREET	GOODES CREEK	City of Richmond	21358	Culvert	Yes	1955	1955	88					5/22/2013	29.9	69	500	Urban
0	WALMSLEY BOULEVARD	GRINDALL CREEK	City of Richmond	21367	Culvert	Yes	1953	1953	88					6/20/2013	32.2	52	5385	Urban
5	MAIN STREET	GILLIES CREEK	City of Richmond	21396	Culvert	Yes	1976	1976	88					7/22/2014	53.1	246	6800	Primary
0	VIRGINIA STREET	KANAWHA CANAL	City of Richmond	27717	Bridge	Yes	1999	1999	89					12/18/2013	73.2	46.9	500	Urban

Table A9: VDOT list of Structures (Bridges and Culverts) in the City of Richmond

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
0	3RD STREET	ROUTE 195 EXPRESSWAY	RMTA	21343	Bridge	Yes	1975	1975	89					10/9/2013	205.1	54.1	2200	Urban
0	4TH STREET	ROUTE 195 EXPRESSWAY	RMTA	21345	Bridge	Yes	1975	1975	89					10/9/2013	189	54.1	1900	Urban
95	ROUTE 0095 RAMP B	BELLS ROAD	VDOT	21474	Bridge	Yes	1977	1992	90					4/22/2013	167	32.2	8000	Interstate
0	COVINGTON ROAD	REEDY CREEK	City of Richmond	23336	Bridge	Yes	1986	1986	90					11/22/2013	43	36.7	2339	Urban
0	LAUREL STREET	ROUTE 195 EXPRESSWAY	RMTA	21337	Bridge	Yes	1975	1975	90	FO				10/11/2013	192.9	48.2	1600	Urban
95	RTE 95 RMP 17TH ST	CSX TRANSPORTATION	VDOT	21510	Bridge	Yes	1976	1996	91					5/22/2014	440	28.2	1200	Interstate
195	DOWNTN EXP RAMP WN	RTE 360,STREETS, CSX RWY	RMTA	21534	Bridge	Yes	1975	1975	91	FO				10/26/2014	2064	27.2	5200	Primary
161	South Boulevard	I-195 EXPRESSWAY	VDOT	21529	Bridge	Yes	1976	1976	92					5/21/2014	202	86.3	10978	Primary
1	Belvidere Street	INTERSTATE-95	VDOT	21392	Bridge	Yes	1958	2007	92	FO				10/21/2013	151.9	122	30074	Primary
360	14 ST & TURN LANE	KANAWHA CANAL	City of Richmond	27716	Bridge	Yes	1999	1999	92					12/17/2013	59.1	87.9	20845	Primary
0	DOUGLASDALE ROAD	ROUTE 146	RMTA	21327	Bridge	Yes	1975	1975	92	FO				10/8/2013	173.9	76.4	3500	Urban
1	BELVIDERE STREET	2ND,JAMES RV,NS,CSX,RAMP	City of Richmond	21390	Bridge	Yes	1989	1989	92					4/29/2013	3759.8	110.6	31895	Primary
195	DOWNTN EX RAMP E11	12TH STREET & RAMP 12-W	RMTA	21538	Bridge	Yes	1975	1991	92					11/1/2013	180.1	34.4	2200	Primary
33	RTE 33 (250) BROAD	ROUTE I-195 & CSX TRANSP	VDOT	21402	Bridge	Yes	1975	1975	93					5/29/2013	187	94.2	23208	Primary
0	ROUTE 0000	I-195	VDOT	21308	Bridge	Yes	1975	1991	94	FO				5/17/2013	170.9	54.1	1000	Urban
0	Sheppard street	195 EXPESS & 146	VDOT	21302	Bridge	Yes	1976	1976	94	FO				5/21/2014	277	54.3	1500	Urban
0	CHAMBERLAYNE PKWAY	CSX RAILWAY	City of Richmond	23356	Bridge	Yes	1992	1992	95	FO				3/21/2014	234.9	26.9	6441	Urban
0	GRANT STREET	ROUTE 146	RMTA	21325	Bridge	Yes	1975	1975	95					11/1/2013	252	54.1	2100	Urban
60	ROANOKE STREET	REEDY CREEK	City of Richmond	21416	Bridge	Yes	1978	1978	95					9/23/2013	77.1	54.1	8128	Primary
0	5TH STREET	ROUTE 195 EXPRESSWAY	RMTA	21347	Bridge	Yes	1975	1975	95	FO				10/11/2013	154.9	54.1	4000	Urban
76	EBL POWHITE PARKWY	JAMES RV & CSX RAILWAY	RMTA	21463	Bridge	Yes	1972	1988	95					11/4/2013	1971.1	71.9	46250	Primary
0	SBL 8TH STREET	EBL ROUTE 60 (SEMMES AV)	City of Richmond	21318	Bridge	Yes	1973	1973	96					2/6/2013	120.1	51.8	2609	Urban
0	DUNSTON AVENUE	REEDY CREEK	City of Richmond	21365	Bridge	Yes	1978	1978	96					6/19/2013	85	38.4	1000	Urban
147	HUGUENOT ROAD	RTE 150 CHIPPENHAM PKWAY	City of Richmond	21517	Bridge	Yes	1989	1989	96					5/28/2013	206	107.9	37652	Primary
360	HULL STREET	CSX RAILWAY	City of Richmond	21578	Bridge	Yes	1980	1980	96					9/16/2013	143	99.1	23709	Primary
0	JENNIE SCHER ROAD	GILLIES CREEK	City of Richmond	27502	Bridge	Yes	2007	2007	97					12/19/2013	105	35.1	3288	Urban
0	NBL 8TH STREET	EBL ROUTE 60 (SEMMES AV)	City of Richmond	21320	Bridge	Yes	1973	1973	97					2/7/2013	120.1	40	2609	Urban
0	WHITEHEAD ROAD	E. BRANCH POCOSHAM CREEK	City of Richmond	21384	Culvert	Yes	1974	1974	97					5/23/2013	20	52	4454	Urban
95	RTE 0095 & RAMP C	BELLS ROAD	VDOT	21484	Bridge	Yes	1958	1984	98					11/11/2014	73.2	128	91074	Interstate
0	5TH STREET	CSX RAILRD & VALLEY RD	City of Richmond	25522	Bridge	Yes	1996	1996	98					8/14/2014	1071.9	63.6	4491	Urban
0	FOREST HILL AVENUE	ROUTE 150	City of Richmond	21291	Bridge	Yes	1990	1990	98					5/28/2013	149	96.1	14967	Urban
76	POWHITE PKWAY RAMP	POWHITE CREEK	RMTA	21465	Culvert	Yes	1972	1972	98					9/11/2013	172.9	197	4000	Primary
0	GERMTAN SCHOOL ROAD	REEDY CREEK	City of Richmond	27847	Bridge	Yes	2008	2008	99					10/28/2014	27.9	128	5299	Urban
0	ERICH ROAD	REEDY CREEK	City of Richmond	27160	Culvert	Yes	2000	2000	99					5/24/2013	50.9	46	2555	Urban
0	RIVERSIDE DRIVE	REEDY CREEK	City of Richmond	21382	Culvert	Yes	1940	1976	99					10/30/2014	107	119	3400	Urban
0	BROWNS ISLAND WAY	KANAWHA CANAL	City of Richmond	30114	Bridge	No	2013	2013	100					2/22/2014	44.3	59.8	-1	Urban
0	LABROOK DRIVE	REEDY CREEK	City of Richmond	29094	Bridge	Yes	2008	2008	100					2/19/2014	24.9	44	250	Urban

Table A9: VDOT list of Structures (Bridges and Culverts) in the City of Richmond

Route	Route Name	Crossing/Intersection	Maintenance Responsibility	Federal Structure ID	Type of Structure (Bridge or Culvert)	Structure in National Bridge Inventory System (Yes or No)	Year Built	Year Last Built/ Reconstructed	Sufficiency Rating	Deficient Structure (Structurally Deficient (SD)/ Functionally Obsolete (FO))	Deficient Structure with Sufficiency Rating 0 - 49.9	Deficient Structure with Sufficiency Rating 50-80	Weight Posting Status	Last Inspected	Structure Length (FT)	Structure Width (FT)	Average Daily Traffic (ADT)	Road System
0	LASALLE DRIVE	REEDY CREEK	City of Richmond	29095	Bridge	Yes	2008	2008	100					6/10/2014	25.9	43	250	Urban
0	FORMEX STREET	BROAD ROCK CREEK	City of Richmond	24274	Culvert	Yes	1994	1994	100					9/19/2014	42	96	350	Urban
0	HEY ROAD	E. BRANCH POCOSHAM CREEK	City of Richmond	21276	Culvert	Yes	1986	1986	100					12/13/2012	36.1	60	3586	Urban
0	CHEROKEE ROAD	RATTLESNAKE CREEK	City of Richmond	21377	Culvert	Yes	1964	1964	100					10/29/2014	30.8	35	1776	Urban
0	WEYBURN ROAD	RATTLESNAKE CREEK	City of Richmond	21383	Culvert	Yes	1964	2001	100					10/29/2014	40	34	200	Urban
60	GOVERNMENT ROAD	GILLIES CREEK	City of Richmond	21410	Culvert	Yes	1946	1946	100					7/16/2014	38.1	90	3300	Primary

Note : Structures listed in ascending order of Sufficiency Ratings

Deficient Structure with Sufficiency Rating 0 - 49.9 highlighted in red.

Deficient Structure with Sufficiency Rating 50-80 highlighted in green.

Source : VDOT online listing of Bridges by District

URL : http://dashboard.virginiadot.org/Pages/Maintenance/AdvancedBridgeReport.aspx?districtCode=4

Appendix B.

VDOT Bridge General Condition Rating Code Key

Code	Description
N	NOT APPLICABLE
9	EXCELLENT CONDITION
8	VERY GOOD CONDITION No problems noted.
7	GOOD CONDITION Some minor problems.
6	SATISFACTORY CONDITION Structural elements show some minor deterioration.
5	FAIR CONDITION All primary structural elements are sound but may have some minor section loss (due to corrosion), cracking, spalling (deterioration of concrete surface) or scour (erosion of soil)
4	POOR CONDITION Advanced section loss, deterioration, spalling or scour.
3	SERIOUS CONDITION Loss of section, deterioration, spalling or scour have seriously affected primary structural components. Local failures are possible. Fatigue cracks in steel or shear cracks in concrete may be present.
2	CRITICAL CONDITION Advanced deterioration of primary structural elements. Fatigue cracks in steel or shear cracks in concrete may be present or scour may have removed substructure support. Unless closely monitored it may be necessary to close the bridge until corrective action is taken.
1	"IMMINENT" FAILURE CONDITION Major deterioration or section loss present in critical structural components or obvious vertical or horizontal movement affecting structure stability. Bridge is closed to traffic but corrective action may put back in light service.
0	FAILED CONDITION Out of service -beyond corrective action.