



Richmond Regional
**Transportation
Planning
Organization**

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THE REGIONAL
COMMISSION

2020 Richmond Regional Structural Inventory and Assessment Report

**RRTPO
Technical Advisory Committee Meeting
November 10, 2020**

Presentation by:

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Transportation Planning Manager

Introduction

- RRTPO began tracking of the regional structures since 2014.
- The 2020 Richmond Regional Structural Inventory Assessment Report – update to the 2015 Report.
- Complementary document to ConnectRVA 2045 plan
- Document to be updated with the LRTP cycle, i.e. every 5 years
- VDOT database of structures by construction district used as the primary source of data for the document. Uses data from VDOT dashboard (January 15, 2020).
- Structures with poor conditions will be fed into ConnectRVA 2045 plan as bridge replacement/rehabilitation needs within the SGR funding pot.
- Information Only Item.
- Draft Document. Review – provide any comments
- RRTPO Policy Board to adopt the document with the ConnectRVA 2045 plan.

Structures Inventory

- Bridges, Culverts and Tunnels.
- List all structures maintained by VDOT, other jurisdictions, public agencies and private entities. Exceptions are Federal Bridges.
- All bridges regardless of their length.
- Culverts having an opening greater than 36 square feet.
- Overpasses, flyovers and at-grade ramps are also considered bridges.
- A bridge may have more than one structure. For example eastbound and westbound (or northbound and southbound) parts of a bridge could be two structures (Mayo Bridge, Route 288).

Document Review



Richmond Regional Structural Inventory & Structural Assessment Report 2020

DRAFT



<https://planrva.org/wp-content/uploads/7-Item-7-Structural-Inventory-Report-11-2-2020-Draft.pdf>



Structurally Deficient Bridges

By Location			
Jurisdiction	Structurally Deficient	Total Structures	Percentage
Ashland	0	5	0.0%
Charles City	3	29	10.3%
Chesterfield	13	360	3.6%
Goochland	1	128	0.8%
Hanover	12	206	5.8%
Henrico	9	365	2.5%
New Kent	4	98	4.1%
Powhatan	3	47	6.4%
Richmond	20	190	10.5%
Grand Total	65	1428	4.6%

By Ownership			
Ownership	Structurally Deficient	Total Structures	Percentage
Chesterfield County	0	1	0.0%
City of Richmond	8	80	10.0%
Globalvia	0	34	0.0%
Henrico County	3	70	4.3%
Railroad (CSX)	1	2	50.0%
RMTA	0	33	0.0%
Town of Ashland	0	1	0.0%
VDOT	53	1,207	4.4%
Grand Total	65	1428	4.6%

- **65 Structurally Deficient Structures (4.6%) compared to 110 (7.8%) in 2015**
- **All SD Structures listed in ConnectRVA 2045 Needs/Issues Inventory**
- **16 Structures in the “Universe of projects” - to be prioritized for SGR funding pot.**

Questions?

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