

September 28, 2021

Transforming Rail In Virginia: Fairfax County Bridges – Route 1 and Newington Road Rail Bridges



VPRA Budget: Two Rail Bridges in Fairfax County

Listed in the VPRA Budget on page 22 are "Other Infrastructure" projects that VPRA is coordinating with others, including two rail bridges with large road benefits in Fairfax County, with \$30 million in VPRA-controlled funds allocated to the projects.

TRANSFORMING RAIL IN VIRGINIA OTHER INFRASTRUCTURE

PROJECT DESCRIPTION:

FAIRFAX COUNTY BRIDGES

- Construct two new two-track railroad bridges to accommodate the modified roadway configuration of Route 1 proposed in the Fairfax Comprehensive Plan.
- Construct two new two-track railroad bridges to accommodate the modified roadway configuration of Newington Road proposed in Fairfax County Comprehensive Plan. Construct 0.9 miles of third track.

Project Description (\$ in millions)	Total Budget	Expenses as of 6/30/2020	FY21	FY22	FY23	FY24	FY25	FY26	FY27	Total FY21-FY27
TRV Other Infrastructure	\$116.6	-	35.6	19.8	0.1	0.7	0.5	23.4	7.3	\$87.4

Route 1 Rail Bridge

Project Scope

- Replace existing two-track rail bridge
- New two-track rail bridge to the west

Benefits:

- Partnership with Fairfax County, VDOT & VPRA for funding of multimodal project
- Rail: Increases rail capacity in accordance with current and future TRV goals
- Route 1: New bridge horizontal & vertical alignment creates space for Fairfax County to construct a new multi-use ped-bike path and widen vehicular access for future Bus Rapid Transit service
- Timeline: Listed as a Phase 2 (post 2026 project), but VPRA is analyzing whether it can be expedited and constructed along with Franconia 3rd track project.
- Cost Estimate: \$49.2M ; \$15.7M of VPRA funds



Newington Road Rail Bridge

Project Scope:

- Replace existing two-track rail bridge
- New two-track rail bridge to the east
- Future space for four tracks

Benefits:

- Funding Partnership with VDOT & VPRA for multimodal project
- Rail: Increases capacity in accordance with Phase I of Transforming Rail in Virginia
- Newington Road: Replacement of substandard on-lane roadway. New bridge allows for a new sidewalk and expansion of vehicular travel lanes.
- Timeline: Completion 2025
- Cost Estimate: \$32.2M; \$14.4M of VPRA funds



Coordination and Next Steps

Route 1 Rail Bridge:

- June 2020: Feasibility study completed
- July 2021: Fairfax County Board approved Fairfax County-VDOT-VPRA funding agreement for signature
- Fall 2021: Awaiting VDOT/CTB approval of Funding Agreement
- Next Step: Develop a project administration agreement with Fairfax County & VDOT that will detail administration of design and construction

Newington Road Rail Bridge:

- June 2020: Feasibility study completed
- Underway: VPRA & VDOT Draft agreement for funding
- Next Steps
 - Design work to address efficiency of funding and multimodal needs
 - Project administration agreement to detail administration design and construction