

Richmond and Tri-Cities

*2040 Long-Range
Transportation Plan*

and

*FY 2021-2024
Transportation Improvement
Program*

Draft Report

February 2020

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Executive Summary

This report¹ documents that the Richmond 2040 Long-Range Transportation Plan (LRTP) and fiscal year (FY) 2021-2024 Transportation Improvement Program (TIP) developed by the Richmond Regional Transportation Planning Organization (RRTPO)², and the Tri-Cities 2040 LRTP and FY 2021-2024 TIP developed by the Tri-Cities Area Metropolitan Planning Organization (TCAMPO), have met all applicable federal (40 CFR Parts 51 and 93), state and local requirements for transportation conformity. Accordingly, a finding of conformity for the LRTP and TIP is supported.

Clean Air Act (CAA) section 176(c) (42 U.S.C. 7506(c)) requires that federally funded or approved highway and transit activities be consistent with (“conform to”) the purpose of the State Implementation Plan (SIP). Conformity to the purpose of the SIP means that transportation activities will not cause or contribute to new air quality violations, worsen existing violations, or delay timely attainment of the relevant NAAQS or any interim milestones (42 U.S.C. 7506(c)(1)). EPA’s transportation conformity rules establish the criteria and procedures for determining whether metropolitan transportation plans, TIPs, and federally supported highway and transit projects conform to the SIP (40 CFR Parts 51.390 and 93).

Notwithstanding the revocation of the 1997 ozone national ambient air quality standard (NAAQS) by EPA effective April 6, 2015, the United States Court of Appeals for the District of Columbia Circuit in *South Coast Air Quality Mgmt. District v. EPA* (“South Coast II,” 882 F.3d 1138) held in its decision on February 16, 2018 that transportation conformity determinations must be made in all areas nation-wide that were either nonattainment or maintenance for the 1997 ozone NAAQS and attainment for the 2008 ozone NAAQS when the 1997 ozone NAAQS was revoked. The reinstated conformity requirements were subsequently made effective February 16, 2019³. The Richmond region (which encompasses portions of both the RRTPO and TCAMPO) met both conditions: 1) it was in maintenance for the 1997 ozone NAAQS revocation at the time of its revocation by EPA, and 2) at that time had already been designated attainment (on May 21, 2012) for the 2008 ozone NAAQS. Therefore, per the South Coast II decision, and notwithstanding the revocation by EPA of the applicable NAAQS, conformity requirements for the 1997 ozone NAAQS again apply for Richmond Maintenance Area. This conformity assessment was conducted following EPA guidance⁴ issued pursuant to the court decision.

¹ The format for this report is based on the FHWA 1/3/2019 Template Report.

² The RRTPO and TCAMPO are the designated metropolitan planning organization or MPO for the region. See: <http://www.planrva.org>, <http://www.craterpdc.org>

³ See: FHWA, “*Updated: Interim Guidance on Conformity Requirements for the 1997 Ozone NAAQS*”, memorandum dated October 1, 2018. On p.2, the updated interim guidance states: “*After the Court issued its ruling in February 2018, EPA filed a petition for rehearing on various issues, both as to the merits of the Court’s ruling and the remedy imposed by the Court. On September 14, 2018, the Court denied EPA’s request for rehearing on the merits, but stayed its vacatur of the transportation conformity aspects of its ruling until February 16, 2019. In essence, the Court provided EPA with one year from the date of its original decision to implement its ruling, and that year expires on February 16, 2019.*”

⁴ “*Transportation Conformity Guidance for the South Coast II Court Decision*”, EPA-420-B-18-050, November 2018, available at: www.epa.gov/state-and-local-transportation/policy-and-technical-guidance-state-and-local-transportation.

1.0 Background

The Clean Air Act (CAA) Amendments of 1977 included a provision (Section 176(c)) to ensure that transportation investments “conform” to a State implementation plan (SIP) for meeting the Federal air quality standards. Conformity requirements were made substantially more rigorous in the CAA Amendments of 1990. The transportation conformity regulations that detail implementation of the CAA requirements were first issued in November 1993, and have been amended several times⁵. The regulations establish the criteria and procedures for transportation agencies to demonstrate that air pollutant emissions from metropolitan transportation plans (MTPs)⁶, TIPs and projects are consistent with (“conform to”) the State’s air quality goals in the SIP.

Transportation conformity establishes the framework for improving air quality to protect public health and the environment. Conformity to the purpose of the SIP means Federal Highway Administration (FHWA) and Federal Transit Administration (FTA) funding and approvals are given to highway and transit activities that will not cause new air quality violations, worsen existing air quality violations, or delay timely attainment of the relevant air quality standard, or any interim milestone.

2.0 Richmond Region Air Quality Planning Status

On June 1, 2007, the United State Environmental Protection Agency (EPA) approved via Federal Register notice a re-designation request and State Implementation Plan (SIP) revision (maintenance plan) pertaining to the 1997 eight-hour ozone standard (2007 SIP) that had been submitted by the Virginia Department of Environmental Quality (VDEQ)⁷. EPA also found adequate and approved motor vehicle emission budgets for ozone precursors (nitrogen oxides or NO_x, and volatile organic compounds, or VOC) as specified in the maintenance plan. Pursuant to the requirements of the federal conformity rule, the maintenance plan budgets were to be met in future regional conformity analyses for the Richmond area. The designated maintenance area included the counties of Hanover, Henrico, Charles City, Prince George, Chesterfield and the cities of Colonial Heights, Hopewell, Petersburg, and Richmond, and the town of Ashland.

⁵ For the current version, see: <https://www.epa.gov/clean-air-act-overview/clean-air-act-title-i-air-pollution-prevention-and-control-parts-through-d#id>

⁶ The RRTPO and TCAMPO Long-Range Transportation Plan (LRTP) serves as the metropolitan transportation plan (MTP) for the region. The terms are used inter-changeable in this report.

⁷ Federal Register, Volume 72, Number 105, Friday, June 1, 2007, 40 CFR Parts 52 and 81, Final Rule, pp. 30485-30490, “Approval and Promulgation of Air Quality Implementation Plans; Virginia; Redesignation of the Richmond 8-Hour Ozone Nonattainment Area to Attainment and Approval of the Area’s Maintenance Plan and 2002 Base-Year Inventory”.

On March 6, 2015 (effective April 6, 2015), EPA published the final rule for the more stringent 2008 ozone NAAQS and at the same time revoked the 1997 ozone NAAQS for which the region had been in maintenance⁸. The region is currently in attainment of all the criteria pollutants for which the EPA has established NAAQS, including the more stringent 2008 and 2015 ozone NAAQS.

3.0 Long-Range Transportation Plan and Transportation Improvement Program

This conformity assessment is being prepared for the Richmond 2040 LRTP and FY 2021-2024 TIP and the Tri-Cities 2040 LRTP and FY 2021-2024 TIP. The combined project list(s) for the LRTP and TIP are presented in Appendix B.

4.0 Transportation Conformity Determination: General Process

Pursuant to the court's decision in *South Coast II*, beginning February 16, 2019⁹, a transportation conformity determination for the 1997 ozone NAAQS is needed in all 1997 ozone NAAQS nonattainment and maintenance areas identified by EPA¹⁰, including the Richmond area.

Accordingly, following the February 16, 2018 court ruling, a regional conformity analysis¹¹ (including a regional emission analysis) was conducted for the Richmond and Tri-Cities 2040 LRTP and FY 18-21 TIP, for which a joint finding of conformity was received from FHWA and FTA on October 29, 2018. Going forward, conformity findings are needed for all updated or amended metropolitan LRTPs and TIPs and otherwise no less frequently than every four years¹².

⁸ "Implementation of the 2008 National Ambient Air Quality Standards for Ozone: State Implementation Plan Requirements", EPA, 80 FR 1226, March 6, 2015. See: <https://www.govinfo.gov/content/pkg/FR-2015-03-06/pdf/2015-04012.pdf>

⁹ FHWA, "Updated: Interim Guidance on Conformity Requirements for the 1997 Ozone NAAQS", October 1, 2018, p.2: "After the Court issued its ruling in February 2018, EPA filed a petition for rehearing on various issues, both as to the merits of the Court's ruling and the remedy imposed by the Court. On September 14, 2018, the Court denied EPA's request for rehearing on the merits, but stayed its vacatur of the transportation conformity aspects of its ruling until February 16, 2019. In essence, the Court provided EPA with one year from the date of its original decision to implement its ruling, and that year expires on February 16, 2019."

¹⁰ The areas identified can be found in EPA's "Transportation Conformity Guidance for the South Coast II Court Decision", EPA-420-B-18-050, available at: www.epa.gov/state-and-local-transportation/policy-and-technical-guidance-state-and-local-transportation.

¹¹ "Richmond, Virginia, Eight-Hour Ozone Maintenance Area Regional Conformity Analysis - 2040 Long Range Transportation Plan and FY 18-21 Transportation Improvement Program", Final Report, August 2018. See: <https://planrva.org/home/document-library/>

¹² Since modeling is no longer required for areas subject to the South Coast II decision, the title "Regional Conformity Report" is used here to distinguish conformity assessments following that court decision from those conducted previously that did require modeling and were given the title of "Regional Conformity Analysis."

5.0 Transportation Conformity Requirements

5.1 Overview

This conformity analysis was conducted in compliance with the federal transportation conformity rule (40 CFR Parts 51 and 93)¹³, the corresponding state transportation conformity regulation or “conformity SIP” (9 VAC 5-151)¹⁴, and local conformity consultation procedures as amended and established pursuant to the federal and state conformity regulations¹⁵.

On November 29, 2018, EPA issued **Transportation Conformity Guidance for the South Coast II Court Decision**¹⁶ (EPA-420-B-18-050) that addresses how transportation conformity determinations can be made in “orphan” areas that were nonattainment or maintenance for the 1997 ozone NAAQS when the 1997 ozone NAAQS was revoked but were designated attainment for the 2008 ozone NAAQS in EPA’s original designations for this NAAQS (May 21, 2012).

The transportation conformity regulation at 40 CFR 93.109 sets forth the criteria and procedures for determining conformity. The conformity criteria for MTPs and TIPs include: latest planning assumptions (93.110), latest emissions model (93.111), consultation (93.112), transportation control measures (93.113(b) and (c), and emissions budget and/or interim emissions (93.118 and/or 93.119). For the 1997 ozone NAAQS areas, transportation conformity for MTPs and TIPs for the 1997 ozone NAAQS can be demonstrated without a regional emissions analysis, per 40 CFR 93.109(c). This provision states that the regional emissions analysis requirement applies one year after the effective date of EPA’s nonattainment designation for a NAAQS and until the effective date of revocation of such NAAQS for an area. The 1997 ozone NAAQS revocation was effective on April 6, 2015, and the *South Coast II* court decision upheld the revocation. As no regional emission analysis is required for this conformity determination, there is no requirement to use the latest emissions model, or budget or interim emissions tests for orphan areas for the 1997 ozone NAAQS, including the Richmond Area.

Therefore, transportation conformity for the 1997 ozone NAAQS can be demonstrated by showing the remaining requirements in Table 1 in 40 CFR 93.109 have been met. These requirements, which are laid out in Section 2.4 of

¹³ Federal Transportation Conformity Regulations (EPA Website):

<https://www.epa.gov/state-and-local-transportation>

¹⁴ Virginia Regulation for Transportation Conformity (9 VAC 5-151):

<https://law.lis.virginia.gov/admincode/title9/agency5/chapter151/>

¹⁵ VDOT, “*Consultation Procedures for the Richmond Ozone Nonattainment Area in Support of the Transportation Conformity Regulations*”, Revised July 18, 2005.

¹⁶ “*Transportation Conformity Guidance for the South Coast II Court Decision*”, EPA-420-B-18-050, November 2018, available at:

www.epa.gov/state-and-local-transportation/policy-and-technical-guidance-state-and-local-transportation

Direct Link: <https://www.epa.gov/sites/production/files/2018-11/documents/420b18050.pdf>

EPA's guidance and addressed below, include:

- Latest planning assumptions (93.110)
- Consultation (93.112)
- Timely Implementation of Transportation Control Measures (93.113)
- Fiscal constraint (93.108)

5.2 Latest Planning Assumptions

The use of latest planning assumptions in 40 CFR 93.110 of the conformity rule for regional emissions analyses apply generally for modeling inputs but also include assumptions about transportation control measures (TCMs) if any are included in an approved and applicable SIP. As orphan areas as defined in the South Coast II decision and per EPA guidance issued in November 2018 do not require regional emission analyses, and the 2007 SIP for the Richmond region did not include TCMs, the use of latest planning assumptions is not applicable for regional conformity determinations for this region.

5.3 Consultation

The requirements in 40 CFR 93.112 were addressed for both interagency and public consultation. The consultation conducted was also consistent with requirements of the Virginia Conformity SIP, which closely reflects the requirements of the federal rule for consultation and was assumed in effect for this assessment¹⁷, as well as local conformity consultation procedures. The public consultation conducted was also consistent with planning rule requirements in 23 CFR 450, as well as the RRTPO Public Participation Plan¹⁸ and the TCAMPO Public Participation Plan¹⁹. Copies of consultation materials are provided in Appendix A, including a chronology.

5.4 Timely Implementation of TCMs

As noted above under latest planning assumptions, this requirement is not

¹⁷ On February 22, 2018, shortly after the February 16, 2018 South Coast II court decision was issued, an EPA final rule was published in the federal register that stated in part that "EPA is approving ... revisions updating the Virginia SIP to reflect the revocation of the 1997 ozone NAAQS in accordance with the requirements of the Clean Air Act (CAA)". (p. 7610) The referenced revisions to the Virginia SIP were summarized in the rule as follows: "Virginia also amended the Regulation for Transportation Conformity and the Regulation for General Conformity by adding clarifying text to 9VAC5-151-20 and 9VAC5-160-30 stating that "The provisions of this chapter shall not apply in nonattainment and maintenance areas that were designated nonattainment or maintenance under a federal standard that has been revoked." These revisions to the Virginia Administrative Code reflect EPA's revocation of the 1997 ozone NAAQS." (p. 7611). Given the court decision, however, conformity assessments will proceed as needed in the future as if the Virginia conformity SIP requirements remain in force for the 1997 ozone NAAQS. See: <https://www.gpo.gov/fdsys/pkg/FR-2018-02-22/pdf/2018-03524.pdf>

¹⁸ See: <https://planrva.org/home/document-library/>

¹⁹ See: <http://www.craterpdc.org/transportation/mpo.htm>

applicable for Richmond Region as the 2007 Ozone SIP for Richmond Region did not include TCMs.

5.5 Fiscal Constraint

Transportation conformity requirements in 40 CFR 93.108 state that transportation plans and TIPs must be fiscally constrained consistent with DOT's metropolitan planning regulations at 23 CFR part 450. The Richmond Area 2040 LRTP and FY2021-2024 TIP are fiscally constrained, as documented in the "*Richmond Area 2040 Long-Range Transportation Plan*"²⁰, June 2016 and the "*Financial Plan*" section of the TIP²¹. The Tri-Cities Area 2040 LRTP and FY 2021-2024 TIP are fiscally constrained, as documented in the "*Tri-Cities Area Year 2040 Transportation Plan*"²², August 2017 and the "*Fiscal Constraint*" section of the TIP²³.

6.0 Conclusion

This report documents that the Richmond 2040 LRTP and FY 2021-2024 TIP and the Tri-Cities 2040 LRTP and FY 2021-2024 TIP have met all applicable federal (40 CFR Parts 51 and 93), state and local requirements relating to transportation conformity and, accordingly, a finding of conformity for each respective LRTP and TIP is supported.

²⁰ See: <https://planrva.org/home/document-library/>

²¹ See: <https://planrva.org/home/document-library/>,

²² See: <http://www.craterpdc.org/transportation/mpo.htm>

²³ See: <http://www.craterpdc.org/transportation/mpo.htm>

Appendix A:
Consultation Documentation

CHRONOLOGY OF CONSULTATION ACTIVITIES

Technical Advisory Committee (TAC)²⁴ Approval of the Draft Conformity Report, with Inter-Agency Consultation for Conformity (IACC)²⁵ and Public Consultation:

- **January 9th, 2020:** TCAMPO approval of the fiscally-constrained FY 2021-2024 TIP and 2040 LRTP project list for conformity and authorize the TAC to approve conformity determination for public review.
- **February 6th, 2020:** RRTPO approval of the fiscally-constrained FY 2021-2024 TIP and 2040 LRTP project list for conformity and authorize the TAC to approve conformity determination for public review.
- **Scheduled February 11th, 2020:** Interagency Consultation Group (ICG) meeting, at which the conformity schedule and project lists for the conformity analysis were approved by the ICG. An opportunity for public input was provided at this meeting but comments [were/were not] received.
- **Scheduled February 11th, 2020:** The RRPDC TAC approved the draft Regional Conformity Report and proposed finding of conformity for public review. Comments [were/were not] received on the draft report and/or the proposed finding of conformity.
- **Scheduled February 14th, 2020:** The Tri-Cities TAC approved the draft Regional Conformity Report and proposed finding of conformity for public review. Comments [were/were not] received on the draft report and/or the proposed finding of conformity.

Note: The agencies and members currently represented in the Richmond ICG, which includes all parties identified in federal and state conformity regulations, are presented in the table below.

Formal Public Review Period:

- **Scheduled February 17th, 2020:** Thirty-day public review period on the draft Regional Conformity Report and proposed finding of conformity. A public notice with links to copies of the draft Conformity Report was posted on the RRTPO and TCAMPO websites, a copy of which is provided below.

²⁴ The approval process for the RRTPO and TCAMPO (MPO's for the region) generally first involves the TAC, which reviews the draft report and provides a recommendation for approval to the RRTPO and TCAMPO Board whose meeting is generally later the same month. RRTPO Board and TAC meetings are open to the public, with announcements typically distributed by email the week before the meeting and also posted on the RRTPO and TCAMPO website.

²⁵ The EPA transportation conformity rule at 40 CFR 93.105 requires interagency consultation but not the establishment of a formal group for this purpose. Therefore, the term IACC is used here to reference the consultation *process* actually required under the conformity rule, while the term ICG is retained for the *group* that has been established for the region.

RRTPO and TCAMPO Board Approval of Draft Report, with Public Consultation

- **Scheduled April 2nd, 2020**: RRTPO Board approval of the draft Conformity Report and finding of conformity for submittal to FHWA, considering any comments and responses from consultation.

- **Scheduled April 9th, 2020**: TCAMPO Board approval of the draft Conformity Report and finding of conformity for submittal to FHWA, considering any comments and responses from consultation.

Richmond Interagency Consultation Group Members

As of February, 2020

<i>Agency</i>	<i>Designated Staff</i>
<i>MPO Members</i>	
Charles City County	Ms. Rachel Chieppa
Chesterfield County	Ms. Barb Smith
City of Colonial Heights	Mr. Chuck Henley, P.E.
City of Hopewell	Mr. Johnnie Butler
City of Petersburg	Mr. Lionel Lyons
City of Richmond	Ms. Dironna Clark
Hanover County	Mr. Joe Vidunas
Henrico County	Mr. Todd Eure
Prince George County	Mr. Horace Wade
Town of Ashland	Ms. Nora Amos
<i>Regional</i>	
Crater Planning District Commission	Mr. Ron Svejovsky
Greater Richmond Transit Company	Ms. Adrienne Torres
Petersburg Transit	Mr. Charles Koonce
Ridefinders	Mr. John O'Keefe
Richmond Regional Planning District	Mr. Chet Parsons
<i>State</i>	
Dept. of Environmental Quality*	Ms. Sonya Lewis-Cheatham
Dept. of Transportation – Environmental	Mr. Jim Ponticello
Dept. of Rail & Public Transportation	Ms. Tiffany Dubinsky
<i>Federal</i>	
Environmental Protection Agency	Mr. Gregory Becoat
Federal Highway Administration	Mr. Ivan Rucker
Federal Transit Administration	Ms. Melissa McGill-Long

**The VADEQ representative also serves as the MRAQC/LPO representative as needed*

Add Supporting Documentation:

- *Richmond and Tri-Cities TAC Meeting Notices*
- *ICG Presentation and meeting minutes for the ICG and any related TAC items as appropriate*
- *Public Notice for the Draft Conformity Report (30 day public consultation period)*
- *RRTPO Meeting Notice*
- *TCAMPO Meeting Notice*
- *RRTPO Agenda with conformity item for approval*
- *TCAMPO Agenda with conformity item for approval*
- *RRTPO documentation (letter or email) that no comments were received in the public review period, or comments and responses if any.*
- *TCAMPO documentation (letter or email) that no comments were received in the public review period, or comments and responses if any.*
- *RRTPO resolution documenting approval of the conformity report at the RRTPO Board meeting*
- *TCAMPO resolution documenting approval of the conformity report at the TCAMPO Board meeting*

Appendix B:

Project List

(Regionally significant projects are highlighted)

Regional Conformity Analysis-Richmond and Tri-Cities 2040 LRTP and FFY21-24 TIP

	MPO	Jurisdiction	UPC	Description/Facility/Location	From	To	Improvement Type	Exist. Lanes	Prop. Lanes	Functional Class	Opening Year	21-24 TIP	2040 CLRP	Reg Sig for AQ?
1	Tri-Cities	CDA	Capital	PAT Purchase Paratransit Vehicles			Public Transportation					x		No
2	Tri-Cities	Chesterfield	101028	RTE 600 - ROUNDABOUT	0.066 MI S RTE 628 (Hickory Road)	0.076 MI N RTE 628 (Hickory Road) (0.1400 MI)	Intersection Improvements					x		No
3	Tri-Cities	Chesterfield	104083	Rt. 1107 E. River Rd.	INT. ROUTE 36 (CHESTERFIELD AVENUE)	INT. ROUTE 1106 (DUPUY ROAD) (0.7400 MI)	Widen 2L to 4L	2	4	Urban Minor Arterial	2016	x		Yes
4	Tri-Cities	Chesterfield	104661	RTE 1 - ADD TRAFFIC SIGNAL AND TURN LANES	Happy Hill Rd	Tipton St	Intersection Improvements					x		No
5	Tri-Cities	Chesterfield	112660	N. ENON CHURCH ROAD WIDENING	Route 10	MPO Line	Widen 2L to 4L	2	4	Urban Minor Arterial	2025		x	Yes
6	Tri-Cities	Chesterfield		LAKEVIEW ROAD/BRANDERS BRIDGE ROAD INTERSECTION IMPROVEMENT	BRANDERS BRIDGE ROAD	LAKEVIEW ROAD	Intersection Improvements						x	No
7	Tri-Cities	Chesterfield		REALIGN BESSIE LNE RIVER RD INT. WITH GRANGER ST AND RECONSTRUCT BESSIE LN FROM E RIVER ROAD/GRANGER ST TO THE TERMINAL.	GRANGER STREET	BESSIE LANE/EAST RIVER ROAD	Intersection Improvements						x	No
8	Tri-Cities	Chesterfield		RECONSTRUCT BRANDERS BRIDGE ROAD FROM LONG CREEK LANE TO TOOLEY DRIVE AS A TWO-LANE ROAD WITH SHOULDERS AND DITCHES.	LONG CREEK LANE	TOOLEY DRIVE (1.3 miles)	Reconstruction						x	No
9	Tri-Cities	Chesterfield		EAST-WEST FREEWAY (2 LANES)	ROUTE 1	(WEST OF BRANDERS BRIDGE ROAD (2.3 miles)	New 2 lane Facility	0	2	Future Urban Expressway	2034		x	Yes
10	Tri-Cities	Chesterfield		MATOACA ROAD	WOODPECKER ROAD	HICKORY ROAD	Reconstruction						x	No
11	Tri-Cities	Chesterfield		WOODPECKER ROAD	WOODPECKER ROAD	SANDY FORD ROAD	Intersection Improvements						x	No
12	Tri-Cities	Chesterfield		WOODPECKER ROAD	JOHN WINSTON JONES PKWY	SANDY FORD ROAD (1.1 miles)	Reconstruction						x	No
13	Tri-Cities	Colonial Heights	3945	RTE 1 - IMPROVE INT AT DUPUY AVE			Intersection Improvements					x		No
14	Tri-Cities	Colonial Heights	85623	I95/TEMPLE AVE - INTERCHANGE IMPR (FED ID 20145, 20146)			Interchange Improvement			Urban Interstate	2017	x		Yes

Regional Conformity Analysis-Richmond and Tri-Cities 2040 LRTP and FFY21-24 TIP

	MPO	Jurisdiction	UPC	Description/Facility/Location	From	To	Improvement Type	Exist. Lanes	Prop. Lanes	Functional Class	Opening Year	21-24 TIP	2040 CLRP	Reg Sig for AQ?
15	Tri-Cities	Colonial Heights	90374	RTE 1 - ADD CENTER TURN LANE	WINDSOR AVE	PICKWICK AVE (0.0800 MI)	Add Center Turn lane	4	5	Urban Principal Arterial		x		No
16	Tri-Cities	Colonial Heights	101287	DUPUY AVE - MINOR WIDENING	WCL COLONIAL HTS	0.10 MI W RTE 1 (BOULEVARD) (0.3800 MI)	Add Center Turn lane	2	3	Urban Minor Arterial		x		No
17	Tri-Cities	Hopewell	1436	Cedar Level Rd. (PE and RW)	North Avenue	Cobblestone Parkway	Widen 2L to 4L	2	4	Urban Minor Arterial	2028	x	x	Yes
18	Tri-Cities	Hopewell	90018	Cedar Level Rd. (PE and CN)	Cobblestone Parkway	Miles Avenue	Widen 2L to 4L	2	4	Urban Minor Arterial	2020	x	x	Yes
19	Tri-Cities	MPO-Wide	70725	RICHMOND TRI-CITIES REGIONAL STP (RSTP) BALANCE ENTRY			Budget					x		No
20	Tri-Cities	MPO-wide	115085	SUPPLEMENTAL MPO PLANNING STAFF FUNDING FOR CRATER PDC FY19			Planning					x		No
21	Tri-Cities	MPO-wide	115897	SUPPLEMENTAL MPO PLANNING STAFF FUNDING FOR CRATER PDC FY20			Planning					x		No
22	Tri-Cities	MPO-wide	115898	SUPPLEMENTAL MPO PLANNING STAFF FUNDING FOR CRATER PDC FY21			Planning					x		No
23	Tri-Cities	MPO-wide	115899	SUPPLEMENTAL MPO PLANNING STAFF FUNDING FOR CRATER PDC FY22			Planning					x		No
24	Tri-Cities	MPO-wide	115900	SUPPLEMENTAL MPO PLANNING STAFF FUNDING FOR CRATER PDC FY23			Planning					x		No
25	Tri-Cities	MPO-wide	115902	SUPPLEMENTAL MPO PLANNING STAFF FUNDING FOR CRATER PDC FY24			Planning					x		No
26	Tri-Cities	MPO-wide	72904	SUPPLEMENTAL MPO PLANNING STAFF FUNDING FOR CRATER PDC			Planning					x		No
27	Tri-Cities	PAT (Petersburg Area Transit)	Capital	PAT ADP Hardware			Public Transportation					x		No
28	Tri-Cities	PAT (Petersburg Area Transit)	Capital	PAT Purchase Support Vehicles			Public Transportation					x		No

Regional Conformity Analysis-Richmond and Tri-Cities 2040 LRTP and FFY21-24 TIP

	MPO	Jurisdiction	UPC	Description/Facility/Location	From	To	Improvement Type	Exist. Lanes	Prop. Lanes	Functional Class	Opening Year	21-24 TIP	2040 CLRP	Reg Sig for AQ?
29	Tri-Cities	PAT (Petersburg Area Transit)	Capital	PAT Replace Rolling Stock			Public Transportation					x		No
30	Tri-Cities	PAT (Petersburg Area Transit)	Capital	PAT Bus Stop Benches			Public Transportation					x		No
31	Tri-Cities	PAT (Petersburg Area Transit)	Capital	PAT Purchase Shop Equipment			Public Transportation					x		No
32	Tri-Cities	PAT (Petersburg Area Transit)	Capital	PAT Passenger Amenities - Bus Stop Signs			Public Transportation					x		No
33	Tri-Cities	PAT (Petersburg Area Transit)	Capital	PAT Petersburg Area Transit- Misc. Support Equipment (Radios)			Public Transportation					x		No
34	Tri-Cities	PAT (Petersburg Area Transit)	Capital	PAT Petersburg Area Transit: Rehab/Renovate Bus Maintenance Facility			Public Transportation					x		No
35	Tri-Cities	PAT (Petersburg Area Transit)	Capital	PAT Petersburg Area Transit: Preventative Maintenance			Public Transportation					x		No
36	Tri-Cities	PAT (Petersburg Area Transit)	Capital	PAT Passenger Shelters			Public Transportation					x		No
37	Tri-Cities	PAT (Petersburg Area Transit)	Operating	PAT0001 Operating Assistance			Public Transportation					x		No
38	Tri-Cities	PAT (Petersburg Area Transit)	Capital	PAT Purchase Surveillance/Security Equipment			Public Transportation					x		No
39	Tri-Cities	Petersburg	101289	PUDDLEDOCK RD - IMPROVE INTERSECTION			Intersection Improvements					x		No
40	Tri-Cities	Petersburg	104036	City of Petersburg, Southside Depot Restoration			Enhancement					x		No
41	Tri-Cities	Petersburg	T204	Tri-Cities MPO Air Quality Maintenance Area			Budget					x		No
42	Tri-Cities	Prince George	100499	RTE 460 - ADD LEFT TURN LANE WESTBOUND AT RTE 657			Intersection Improvements					x		No

Regional Conformity Analysis-Richmond and Tri-Cities 2040 LRTP and FFY21-24 TIP

	MPO	Jurisdiction	UPC	Description/Facility/Location	From	To	Improvement Type	Exist. Lanes	Prop. Lanes	Functional Class	Opening Year	21-24 TIP	2040 CLRP	Reg Sig for AQ?
43	Tri-Cities	Prince George	87941	RTE 630 - ROUNDABOUT AT AVENUE A - FT LEE (0.2000 KM)			Intersection Improvements					x		No
44	Tri-Cities	Prince George	105110	RTE 106 - ADD RIGHT TURN LANE			Intersection Improvements					x		No
45	Tri-Cities	Prince George	105131	RTE 645 & RTE 144 - INTERSECTION IMPROVEMENT			Intersection Improvements					x		No
46	Tri-Cities	Richmond District-wide	70722	RICHMOND TRI-CITIES CMAQ BALANCE ENTRY			Budget					x		No
47	Tri-Cities	Statewide	100432	Project Oversight (Rt 460 Corridor Improvement Project)			Budget					x		No
48	Tri-Cities	Statewide	T20741	Vehicle Fuel Conversion Program Marketing			Budget					x		No
49	Tri-Cities	Statewide	T11802	Vehicle Fuel Conversion Program			Budget					x		No
50	Tri-Cities	Statewide	115852	ITTF FY20 Micro Transit			Traffic Management/Engineering					x		No
51	RRTPO	Ashland	103393	ASHLAND TROLLEY LINE TRAIL	MAPLE ST EXTENSION	TROLLEY LINE TRAIL PARK	Bike/Pedestrian					x	x	No
52	RRTPO	Ashland	8651	RTE 1 - WIDEN TO 6 LANES	0.008 MILE NORTH OF ASHCAKE ROAD	0.015 MILE SOUTH OF PLEASANT ROAD	Widen 4L to 6L	4	6	Urban Minor Arterial	2023	x	x	Yes
53	RRTPO	Ashland	13463	RTE 1 - IMPROVE INTERSECTION AT RTE 54	0.119 MI. S. OF INT. W/ RTE 54	0.086 MI. N. OF INT. W/ RTE 54	Safety					x	x	No
54	RRTPO	Charles City County	106296	RTE 155 - CONSTRUCT TRAIL (PE Only)	RTE 602 (LOTT CARY RD)	NEW KENT CO LN	PE only					x	x	No
55	RRTPO	Charles City County	59166	RTE 607 - MINOR WIDENING	0.035 Miles East Rte 639 (The New Road)	0.603 Miles East Rte 639 (The New Road)	Reconstruction/Maintenance					x	x	No
56	RRTPO	Charles City County	85337	RTE 609 - RECONSTRUCTION	ON RTE 602, 0.133 MI E OF RTE 609 TO RTE 609	ON RTE 609, FROM RTE 602 TO 0.145 MI N OF RTE 602	Reconstruction/Maintenance					x	x	No

Regional Conformity Analysis-Richmond and Tri-Cities 2040 LRTP and FFY21-24 TIP

	MPO	Jurisdiction	UPC	Description/Facility/Location	From	To	Improvement Type	Exist. Lanes	Prop. Lanes	Functional Class	Opening Year	21-24 TIP	2040 CLRP	Reg Sig for AQ?
57	RRTPO	Chesterfield County	15988	RTE 1 - BR REPL & MOD LTL @ DSCR (FED ID 4896)	Intersection w/ Rte. 145 (Chester Road)	0.351 Miles North of Rte. 145 (Chester Road)	Bridge					x	x	No
58	RRTPO	Chesterfield County	101243	#SGR RTE 604 - REPLACE BRIDGE OVER TOMAHAWK CREEK (Fed ID 30)	0.257 MI W RTE 4656 (COVER RIDGE LA)	0.025 MI W RTE 4656 (COVER RIDGE LA)	Bridge					x	x	No
59	RRTPO	Chesterfield County	105192	RTE 2770 - ADD SIDEWALK	YARROW LANE (RTE 3400)	RTE 653 (COURTHOUSE RD)	Bike/Pedestrian					x		No
60	RRTPO	Chesterfield County	106201	RTE 707 - SIDEWALKS	RTE 950 (CHARTER COLONY PKWY)	0.025 MI N RTE 7564 (MIDLOTHIAN WOOD BLVD)	Bike/Pedestrian					x		No
61	RRTPO	Chesterfield County	107536	RTE 144 (HARROWGATE RD) - ADD SIDEWALKS - TAP	0.148 MI W OF RIEVES POND DRIVE	0.078 MI E OF RIEVES POND DRIVE	Bike/Pedestrian					x		No
62	RRTPO	Chesterfield County	108978	RTE 662 (SPRING RUN ROAD) SIDEWALK	RTE 5150 (BROCKET DRIVE)	SPRING RUN ELEMENTARY SCHOOL	Bike/Pedestrian					x	x	No
63	RRTPO	Chesterfield County	109082	RTE 654 (BAILEY BRIDGE ROAD) SIDEWALK	RTE 5013 (BATTLECREEK DRIVE)	MANCHESTER HIGH SCHOOL	Bike/Pedestrian					x	x	No
64	RRTPO	Chesterfield County	108639	#SMART18 - Rt 663 ELKHARDT RD - ROADWAY, PEDESTRIAN, & BIKE IMPROVE			Reconstruction; Bike/ped						x	No
65	RRTPO	Chesterfield County	111713	#SMART18 - BBC Ph 1 - Bailey Br Conn., Brad McNeer Conn.	BRAD MC NEER PKWY	BAILEY BRIDGE ROAD	New Interchange				2024	x	x	Yes
66	RRTPO	Chesterfield County	115193	Road Diet Study (Hopkins, Turner, Whitepine)	Various	Various	PE only					x		No
67	RRTPO	Chesterfield County	115202	Countywide Sidewalk Plan	Various	Various	PE only					x		No
68	RRTPO	Chesterfield County	115534	Hopkins/Chippenham Interchange Modification Report (IMR)	Various	Various	PE only					x		No
69	RRTPO	Chesterfield County	109191	RTE 288/COMMONWEALTH CTR PKWY & BAILEY BRIDGE CONNECTOR IMR	288 360	288 360	PE only					x	x	No
70	RRTPO	Chesterfield County	101020	#HB2.FY17 RTE 10 (BERMUDA TRIANGLE RD TO MEADOWVILLE RD)	1.73 mi. W of Rte. 618 (OLD BERMUDA HUNDRED RD)	0.27 mi. E of Rte. 618 (OLD BERMUDA HUNDRED ROAD)	Widen 4L to 6L	4	6	Urban Principal Arterial	2022	x	x	Yes

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	MPO	Jurisdiction	UPC	Description/Facility/Location	From	To	Improvement Type	Exist. Lanes	Prop. Lanes	Functional Class	Opening Year	21-24 TIP	2040 CLRP	Reg Sig for AQ?
71	RRTPO	Chesterfield County	102952	RTE 10 (I-95 - Rt 1) - WIDENING	0.087 MI W RTE 1 (JEFF DAVIS HWY)	0.507 MI E RTE 1 (JEFF DAVIS HWY)	Widen 4L to 6L	4	6	Urban Principal Arterial	2020	x	x	Yes
72	RRTPO	Chesterfield County	102959	RTE 60 - WIDEN TO 6 LANES	Int. Rte. 677 (OLD BUCKINGHAM RD)	Int. Rte. 727 (Alverser Drive)	Widen 4L to 6L	4	6	Urban Principal Arterial	2016	x	x	Yes
73	RRTPO	Chesterfield	104290	RTE 720 LUCKS LANE - WIDEN TO 4 LANES	i. W of Rte. 3970 (Evergreen)	mi. E of Rte. 2780 (Spirea)	Widen 2L to 4L	2	4	Urban Minor Arterial	2028		x	Yes
74	RRTPO	Chesterfield County	104889	RT 10 (Whitepine to Frith) WIDENING	0.25 miles N of WHITEPINE ROAD	FRITH LANE	Widen 4L to 6L	4	6	Urban Principal Arterial	2022	x	x	Yes
75	RRTPO	Chesterfield County	104890	RTE 360 E (Lonas Pkwy to Castle Rock Rd) - WIDENING	0.190 Miles West of Bridgewood Rd.	0.029 Miles East of Castle Rock Rd.	Widen 5L to 6L	5	6	Urban Principal Arterial	2022	x	x	Yes
76	RRTPO	Chesterfield	105674	RTE 720 LUCKS LANE - MAJOR WIDENING	0.310 MI E RTE 288	0.042 MI E RTE 3970 (EVERGREEN PKWY)	Widen 2L to 4L	2	4	Urban Minor Arterial	2028		x	Yes
77	RRTPO	Chesterfield	107083	RTE 621 WINTERPOCK RD - MAJOR WIDENING	Royal Birkdale Pkwy	RTE 360 (HULL STREET ROAD)	Widen 2L to 4L	2	4	Urban Minor Arterial	2028		x	Yes
78	RRTPO	Chesterfield	107088	RTE 636 - NASH RD EXTENSION	RTE 655 (BEACH ROAD)	RTE 10 (IRON BRIDGE ROAD)	New 2 lane Facility	0	2	Future Urban Minor Arterial	2028		x	Yes
79	RRTPO	Chesterfield	107089	RTE 711 - ROBIOUS ROAD MAJOR WIDENING	0.698 MI W RTE 4193 (ROBIOUS FOREST WY)	0.013 MI W RTE 4193 (ROBIOUS FOREST WY)	Widen 2L to 4L	2	4	Urban Minor Arterial	2028		x	Yes
80	RRTPO	Chesterfield County	111466	#SMART18 - I-95 Aux Lanes (nb & sb) b/w Rte. 288 & Rte. 10	0.413 Miles North of Route 10	1.374 Miles North of Route 10	Capacity Increase				2023	x		Yes
81	RRTPO	Chesterfield County	111467	#SMART18 - SB Rt 288 to WB US 360 WB Off-Ramp, US360 PNRLot	0	0	Capacity Increase				2022	x	x	Yes
82	RRTPO	Chesterfield County	109322	#HB2.FY17 RTE 95 - IMPROVE INTERCHANGE AT RTE 10 (PHASE 1)			Interchange Modification add ramp lanes etc.			Urban Interstate	2028		x	Yes
83	RRTPO	Chesterfield	111713	#SMART18 - BBC Ph 1 - Bailey Br Conn., Brad McNeer Conn.	Bailey Bridge Road	Brad McNeer Pkwy	New 2/4 lane Facility	0	2/4	Future Urban Minor Arterial?	2028	x		Yes
84	RRTPO	Chesterfield	112974	Woolridge Road Ext.	Rt 754 Old Hundred Rd	Route 288	New 6 lane Facility, 8000'	0	4	Urban Minor Arterial	2028		x	Yes

Regional Conformity Analysis-Richmond and TRI-Cities 2040 LRTP and FFY21-24 TIP

	MPO	Jurisdiction	UPC	Description/Facility/Location	From	To	Improvement Type	Exist. Lanes	Prop. Lanes	Functional Class	Opening Year	21-24 TIP	2040 CLRP	Reg Sig for AQ?
85	RRTPO	Chesterfield County	17179	RTE 649 - RECONSTRUCTION	0.343 MI S RTE 3186 (SUSSEX DR)	RTE 3186 (SUSSEX DR)	Reconstruction/Maintenance					x	x	No
86	RRTPO	Chesterfield County	17180	RTE 649 - RECONSTRUCTION	0.12 MI S RTE 743 (BURNETT DR)	0.12 MI N RTE 743 (BURNETT DR)	Reconstruction/Maintenance					x	x	No
87	RRTPO	Chesterfield County	101021	RTE 1 - IMPROVE INTERSECTION	0.18 MI S RTE 618	0.25 MI N RTE 618	Safety					x	x	No
88	RRTPO	Chesterfield County	-2131	Expansion of Bus Service	Expansion of Bus Service	0	Transit					x		No
89	RRTPO	Chesterfield County	110393	#HB2.FY17 RT 10 (BERM TRI TO MEADOWV) GARVEE DEBT SERVICE	0	0	Other					x	x	No
90	RRTPO	Chesterfield County	111981	#SMART18 - BBC Ph 1-Bailey Br, Brad McNeer-GARVEE Debt Serv	0	0	Other					x	x	No
91	RRTPO	Chesterfield County	111984	#SMART18 - I-95 AuxLanes b/w Rte.288/Rte.10-GARVEE Debt Serv	0	0	Other					x		No
92	RRTPO	Chesterfield		I-95/Route 10 Interchange Improvements (Phase 2)	I-95/Route 10		Interchange Modification add ramp lanes etc.			Urban Interstate	2028		x	Yes
93	RRTPO	Chesterfield		I-95/Willis Road Interchange	I-95/Willis Road		Interchange Modification add ramp lanes etc.			Urban Interstate	2028		x	Yes
94	RRTPO	Chesterfield		Meadowville Technology Parkway at I-295 (Widen Bridge to 4L)	I-295		Interchange Modification add CD road etc.	2	4	Urban Interstate	2028		x	Yes
95	RRTPO	Chesterfield		N Enon Church Rd (Meadowville Tech Pkwy-Rich/TC Boundary) Widening	Meadowville Tech Pkwy	Rich/TC Boundary	Widen 2L to 4L	2	4	Urban Minor Arterial	2028		x	Yes
96	RRTPO	Chesterfield		Route 288/Route 360: 288 NB Off-Ramp to Bailey Bridge Connector* and Bailey Bridge Connector (4-lane segment)	288 NB Off-Ramp	Bailey Bridge Connector*	New Interchange	0	2	Urban Expressway	2028		x	Yes
97	RRTPO	Chesterfield		Route 288/Route 360: Bailey Bridge Connector (2-lane segment)*	Route 288	Bailey Bridge Rd	New 2 lane Facility	0	2	Future Urban Minor Arterial	2028		x	Yes
98	RRTPO	Chesterfield		Winterpock Rd (Rt. 360 - Springford Pkwy) Widening	Royal Birkdale Pkwy	Springford Pkwy	Widen 2L to 4L	2	4	Urban Minor Arterial	2028		x	Yes

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99	RRTPO	Chesterfield		Woolridge Rd (Reservoir to Otterdale Road) Widening	Reservoir	Otterdale Road	Widen 2L to 4L	2	4	Urban Minor Arterial	2028		x	Yes
100	RRTPO	Chesterfield		Woolridge Road (Genito Road to Simonsbath) Widening	Genito Road	Simonsbath	Widen 2L to 4L	2	4	Urban Minor Arterial	2028		x	Yes
101	RRTPO	Chesterfield		Charter Colony Pkwy (N. Woolridge Road - Center Pointe)	N. Woolridge Road	Center Pointe	Widen 2L to 4L	2	4	Urban Minor Arterial	2040		x	Yes
102	RRTPO	Chesterfield		Otterdale Road (Rt 360 - Woolridge Road) Widening	Rt 360	Woolridge Road	Widen 2L to 4L	2	4	Urban Minor Arterial	2040		x	Yes
103	RRTPO	Chesterfield		Powhite Pkwy Ext (Watermill Pkwy to N Woolridge Rd. Ext) New Alignment	Watermill Pkwy	N Woolridge Rd. Ext	New 4 lane Facility	0	4	Urban Expressway	2040		x	Yes
104	RRTPO	Chesterfield		Route 288/Route 360: 360 Superstreet Intersections (Mockingbird/Harbour Pointe to Winterpock)*	Mockingbird/Harbour Pointe	Winterpock	Superstreet- Series of Intersections	6/8	6/8	Urban Principal Arterial	2040		x	Yes
105	RRTPO	Chesterfield		Powhite Pkwy (City/County Limits to Rt. 60) Widening	City/County Limits	Rt. 60	Widen 4L to 6L	4	6	Urban Expressway	2040		x	Yes
106	RRTPO	Chesterfield		Route 288/Route 360: 360/Commonwealth Ctr Pkwy/Old Hundred Diverging Diamond Interchange*			New Grade Separated Intersection	8	8	Urban Principal Arterial	2040		x	Yes
107	RRTPO	Chesterfield		Route 60 (Westchester Commons to Huguenot Springs Road)	Westchester Commons	Huguenot Springs Road	Widen 4L to 6L	4	6	Urban Principal Arterial	2040		x	Yes
108	RRTPO	Chesterfield		Route 360 (Woodlake Village Pkwy to Otterdale)	Woodlake Village Pkwy	Otterdale Rd	Widen 4L to 6L	4	6	Urban Principal Arterial	2040		x	Yes
109	RRTPO	DRPT	AGP0001	Paratransit Vehicles			Transit					x		No
110	RRTPO	DRPT	CAA0001	New Freedom Program			Transit					x		No
111	RRTPO	DRPT	CAA0002	New Freedom Mobility Management			Transit					x		No
112	RRTPO	DRPT	CHS0002	Paratransit Vehicles			Transit					x		No

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113	RRTPO	DRPT	GPCS001	Paratransit Vehicles			Transit					x		No
114	RRTPO	DRPT	RRC0001	Paratransit Vehicles			Transit					x		No
115	RRTPO	GRTC	GRTC00	ERP Consultant			Transit					x		No
116	RRTPO	GRTC	GRTC000	BRT Park & Ride			Transit					x		No
117	RRTPO	GRTC	GRTC0000	Downtown Transfer Plaza			Transit					x		No
118	RRTPO	GRTC	GRTC003	Preventive Maintenance			Transit					x		No
119	RRTPO	GRTC	GRTC004	Replacement Rolling Stock			Transit					x		No
120	RRTPO	GRTC	GRTC005	Purchase and Install Shelters			Transit					x		No
121	RRTPO	GRTC	GRTC008	Paratransit Vehicles			Transit					x		No
122	RRTPO	GRTC	GRTC031	Security/Surveillance Equipment			Transit					x		No
123	RRTPO	GRTC	GRTC032	Acquire Maintenance Equipment			Transit					x		No
124	RRTPO	GRTC	GRTC033	Acquire Computer Hardware			Transit					x		No
125	RRTPO	GRTC	GRTC034	Acquire Computer Software			Transit					x		No
126	RRTPO	GRTC	GRTC035	Purchase Support Vehicles			Transit					x		No

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127	RRTPO	GRTC	GRTC037	Capital Cost of Vanpool Contracting			Transit					x		No
128	RRTPO	GRTC	GRTC050	Maintenance/Admin Facility Expansion			Transit					x		No
129	RRTPO	GRTC	GRTC055	Employee Education/Training			Transit					x		No
130	RRTPO	GRTC	GRTC056	Renovation of Administrative/Maintenance Facility			Transit					x		No
131	RRTPO	GRTC	GRTC058	Southside Transfer Plaza			Transit					x		No
132	RRTPO	GRTC	GRTC059	Non-Fixed Route ADA Paratransit Svc			Transit					x		No
133	RRTPO	GRTC	GRTCxxx	Replacement Buses			Transit					x		No
134	RRTPO	Hanover County	82399	#SGR RTE 625 - BRIDGE REPLACEMENT	0.071 MI. E OF HENRICO COUNTY LINE	0.045 Mi. W OF HANOVER COUNTY LINE	Bridge				2017	x	x	No
135	RRTPO	Hanover County	109988	RTE 715 - BRIDGE ONLY OVER NEWFOUND RIVER (FED ID 9578)	0.80 Miles North of Rte 781	0.90 Miles North of Rte 781	Bridge					x		No
136	RRTPO	Hanover County		RTE 802/195 - REPL BRIDGE, RAMPS & AIRPARK RD (FED ID 9596)	0.252 MILES WEST INT. I-95	0.431 MILES EAST INT. I-95	Bridge				2018	x	x	No
137	RRTPO	Hanover County	98236	Rte 638 - Extend Atlee Rd to Connect to Atlee Station Rd	0.234 MI. NORTH OF BUCKINGHAM BRANCH RAILROAD	0.244 MI. SOUTH OF BUCKINGHAM BRANCH RAILROAD	New Road				2018	x	x	No
138	RRTPO	Hanover County	109260	POLE GREEN RD WIDENING	Bell Creek Road	Rural Point Road	Widen 2L to 4L	2	4	Urban Minor Arterial	2028	x	x	Yes
139	RRTPO	Hanover County	13551	#SMART18 - RTE 360 WIDENING	MI W RTE 643 (LEE DAVIS)	MI E RTE 643 (LEE DAVIS)	Widen 4L to 6L	4	6	Urban Principal Arterial	2028		x	Yes
140	RRTPO	Hanover County	17768	RTE 360 - WIDENING FROM 4 TO 6 & 8 LANES	RTE 295N BRIDGE	RTE 1133 (WYNBROOK LN)	Widen 4L to 6L	4	6	Urban Principal Arterial	2017	x	x	Yes

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141	RRTPO	Hanover County	56181	RTE 33 - ADD LEFT TURN LANES AT THE INTERSECTION OF RTE 623	0.310 MI S RTE 623 (ASHLAND RD)	0.285 MI N RTE 623 (ASHLAND RD)	Intersection Improvements				2018	x	x	No
142	RRTPO	Hanover County	77121	RTE 638 - CONSTRUCT LTL & ADD SB REC. LN	0.2 MILE SOUTH OF ROUTE 301	INTERSECTION ROUTE 301	Intersection Improvements				2016	x	x	No
143	RRTPO	Hanover County	104957	#HB2.FY17 RTE 656 - SLIDING HILL ROAD CORRIDOR	0.35 MI W RTE 1265 (TOTOPTOMOY TRAIL)	0.676 MI E RTE 1265 (TOTOPTOMOY TRAIL)	Widen 2L to 4L	2	4	Urban Minor Arterial	2020	x	x	Yes
144	RRTPO	Hanover County	115195	Atlee Station Rd Widening	Warren Avenue	Kings Charter Drive	Widen 2L to 4L	2	4	Urban Major Collector		x	x	No
145	RRTPO	Hanover County	81667	RTE 615 (CREIGHTON RD) - ROUNDABOUT	COLD HARBOR RD - FR 0.16 MI N CREIGHTON RD TO 0.08 MI S	CREIGHTON RD - FR 0.12 MI W COLD HARBOR RD TO 0.07 MI E	Intersection Improvements				2020	x	x	No
146	RRTPO	Hanover County	103014	RT 623 - IMPROVE INTERSECTION	0.184 mi W Rte 1(Washington Hwy)	Rte 1(Washington Hwy)	Intersection Improvements				2019	x	x	No
147	RRTPO	Hanover County	18962	RTE 360 - INTERSECTION RELOCATION	0.012 MI S RTE 360	0.333 MI S RTE 360	Intersection Improvements				2017	x	x	No
148	RRTPO	Hanover County		E. Patrick Henry Rd Widening	Mt. Hermon Rd	Providence Church Rd	Widen 2L to 4L	2	4	Urban Minor Arterial	2028		x	Yes
149	RRTPO	Hanover County	104875	RTE 606 - ROUNDABOUT	0.103 MI W INT RTE 643(RURAL POINT RD)/ RTE 606(STUDLEY RD)	0.068 MI E INT RTE 643(RURAL POINT RD)/RTE 606(STUDLEY RD)	Safety				2018	x	x	No
150	RRTPO	Henrico County	97565	RTE 64 - REPLACE BRIDGES OVER RTE 156 (FED ID 9760 & 9762)	0.473 MILE WEST OF ROUTE 156	0.475 MILE EAST OF ROUTE 156	Bridge					x	x	No
151	RRTPO	Henrico County	104880	RIDGEFIELD PKWY - CONSTRUCT SIDEWALK	PUMP RD	FALCONBRIDGE DR	Bike/Pedestrian					x	x	No
152	RRTPO	Henrico County	104881	JOHN ROLFE PKWY - ADD SIDEWALK	RIDGEFIELD PKWY	GAYTON RD	Bike/Pedestrian					x	x	No
153	RRTPO	Henrico County	107535	DOREY PARK - SHARED-USE PATH - TAP	1.0 mi S of the int of Darbytown Rd and Dorey Pk	0.1 mi S of the int of Darbytown Rd and Dorey Pk	Bike/Pedestrian					x		No
154	RRTPO	Henrico County	110968	FOUR MILE CREEK VCT IMPROVEMENTS	0.1 mi E of Farmer's Circle Drive	0.1 mi W of Farmer's Circle Drive	Bike/Pedestrian					x		No

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155	RRTPO	Henrico County	1715	RTE 895 - 95/295 CONNECTOR (PE ONLY IN SYP)	CHESTERFIELD/HENRICO COUNTY LINE	ROUTE I-295	PE only					x		No
156	RRTPO	Henrico County	115001	Parham Road/Hungary Road Bicycle and Pedestrian Study	Various	Various	PE only					x		No
157	RRTPO	Henrico County	50528	THREE CHOPT ROAD - WIDENING - PE ONLY	BARRINGTON HILL DRIVE	GASKINS ROAD	Widen 2L to 4L	2	4	Urban Minor Arterial		x	x	No
158	RRTPO	Henrico County	50529	RTE 9999 (THREE CHOPT ROAD) WIDEN TO 4 LANES	1.076 MI W INT. COX ROAD	0.241 MI E INT. GASKINS ROAD	Widen 2L to 4L	2	4	Urban Minor Arterial	2025	x	x	Yes
159	RRTPO	Henrico County	60933	RTE 9999 - DABBS HOUSE RD; RECONSTRUCTION	INT. DABBS HOUSE ROAD AND NINE MILE ROAD	0.075 MI. N OF INT. DABBS HOUSE RD & E RICHMOND RD	Widen 2L to 4L	2	4	Urban Minor Arterial		x	x	No
160	RRTPO	Henrico County	107458	#HB2.FY17 RTE 64 - MAJOR WIDENING	RTE 295	EXIT 205 (BOTTOM'S BR)	Widen 4L to 6L	4	6	Interstate	2019	x	x	Yes
161	RRTPO	Henrico County	107459	#HB2.FY17 RTE 64 - EXTEND ACCELERATION/DECELERATION LANES	AT WEIGH STATIONS	-	Safety					x	x	No
162	RRTPO	Henrico County	110911	#SMART18 - Richmond-Henrico Tpke Improvements - North Segmnt	HUMMINGBIRD RD	0.69 MI NORTH OF AZALEA AVENUE	Widen 2L to 4L	2	4	Urban Minor Arterial	2024	x		Yes
163	RRTPO	Henrico County	111716	#SMART18 - RICHMOND-HENRICO TURNPIKE -- SOUTH SGMT	LABURNUM AVENUE	HUMMINGBIRD RD	Widen 2L to 4L	2	4	Urban Minor Arterial	2024	x		Yes
164	RRTPO	Henrico	113260	BETHLEHEM RD. IMPROVEMENTS	Staples Mill Rd	Libbie Ave	Widen 2L to 3L; Bike/ped	2	3	Urban Minor Arterial	2028			Yes
165	RRTPO	Henrico County	60934	RTE 9999 - SADLER RD; WIDEN & RECONSTRUCT; FED ESCROW PROJ	0.005 MI WEST OF DOMINION BOULEVARD	0.030 MI EAST OF CEDAR FOREST ROAD	Widen 2L to 4L	2	4	Urban Minor Collector		x	x	No
166	RRTPO	Henrico County	107461	#HB2.FY17 RTE 64 EB - PAVEMENT MARKING	AT RTE 295	-	Safety					x	x	No
167	RRTPO	Henrico County	111732	I-64 AT GASKINS ROAD IMR	W. Broad St	500' S of Three Chopt Rd	PE only					x	x	No
168	RRTPO	Henrico County	113844	I-64 at Parham IMR	West of Parham Rd	East of Parham Rd	PE only					x		No

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	MPO	Jurisdiction	UPC	Description/Facility/Location	From	To	Improvement Type	Exist. Lanes	Prop. Lanes	Functional Class	Opening Year	21-24 TIP	2040 CLRP	Reg Sig for AQ?
169	RRTPO	Henrico County	109193	CRAC CNG BUS PURCHASE	various	various	Transit					x		No
170	RRTPO	Henrico County	110394	#HB2.FY17 RTE 64 - MAJOR WIDENING GARVEE DEBT SERVICE	0	0	Other					x	x	No
171	RRTPO	Henrico		Charles City Road	Laburnum Ave	Monahan Rd	Widen 2L to 4L	2	4	Urban Minor Arterial	2018		x	Yes
172	RRTPO	Henrico		Rte 5	Osborne Tpk	Richmond City Limits	Widen 2L to 4L	2	4	Urban Minor Arterial	2018		x	Yes
173	RRTPO	Henrico		Creighton Road	Laburnum Ave	Sandy Lane	Widen/Realign 2L to 4L	2	4	Urban Minor Arterial	2028		x	Yes
174	RRTPO	Henrico		Three Chopt Road Ext.	Lauderdale Dr	N. Gayton Rd	New 4 lane Facility	0	4	Future Urban Minor Arterial	2028		x	Yes
175	RRTPO	Henrico		Charles City Road	Lisle Rd	Monahan Road	Widen 2L to 4L	2	4	Urban Minor Arterial	2028		x	Yes
176	RRTPO	Henrico		Charles City Road	Laburnum Ave	Miller Rd	Widen 3L to 4L	2	4	Urban Minor Arterial	2028		x	Yes
177	RRTPO	Henrico		I-295 add slip ramp	I-95/I-295		Interchange modification add slip ramp	0	1	Interstate ramp	2028		x	Yes
178	RRTPO	Henrico		Charles City Road	Williamsburg Rd	Laburnum Ave	Widen 2L to 4L	2	4	Urban Minor Arterial	2028		x	Yes
179	RRTPO	Henrico		Creighton Road	Sandy Lane	Richmond CL	Widen/Realign 2L to 4L	2	4	Urban Minor Arterial	2030		x	Yes
180	RRTPO	Henrico		Darbytown Road	Richmond CL	Laburnum Ave	Widen 2L to 4L	2	4	Urban Minor Arterial	2030		x	Yes
181	RRTPO	Henrico		Lauderdale Drive	Westbriar Dr	Edenbury Dr	Widen 2L to 4L	2	4	Urban Minor Arterial	2030		x	Yes
182	RRTPO	Henrico		I-295 Portugee Road Interchange	at Portugee Rd		New Interchange			Urban Interstate	2040		x	Yes

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183	RRTPO	Henrico		I-295 Varina Road Interchange	Varina Rd		New Interchange			Urban Interstate	2040		x	Yes
184	RRTPO	Henrico		Pouncey Tract Rd Widening	Twin Hickory Lake Dr	Nuckols Rd	Widen 2L to 4L	2	4	Urban Minor Arterial	2040		x	Yes
185	RRTPO	Henrico		Route 5 New Market Rd- Widening	Laburnum Ave	Osborne Tpke	Widen 2L to 4L	2	4	Urban Minor Arterial	2040		x	Yes
186	RRTPO	Henrico		Woodman Rd Extension	Greenwood Rd	Brook Rd	New 4 lane Facility	0	4	Urban Minor Arterial	2040		x	Yes
187	RRTPO	Henrico		N Gayton Interchange at I-64	I-64		New Interchange			Urban Interstate	2040		x	Yes
188	RRTPO	Henrico		Concept Rd 26(Riverfront Pkwy)	Old Osborne Tpke(Rte 5)	Route 895	New 4 lane Facility	0	4	Future Urban Minor Arterial	2028		x	Yes
189	RRTPO	Multi-jurisdictional: Richmond MPO	86357	RAMPO Travel Demand Modeling On-Call Consultant Support	0	0	Other					x	x	No
190	RRTPO	Multi-jurisdictional: Richmond MPO	-9879	ARRA - GRTC Bus Replacement	N/A	N/A	Transit					x		No
191	RRTPO	Multi-jurisdictional: Richmond MPO	-9717	Mechanicsville Commuter Transit Service	N/A	N/A	Transit					x		No
192	RRTPO	Multi-jurisdictional: Richmond MPO	-9678	GRTC bus replacement	N/A	N/A	Transit					x		No
193	RRTPO	Richmond	93087	#SGR RTE 195 - BRIDGE REPAIR OVER RTE 76, CSX (FED ID 21552)	0.145 MI N OF RTE 76	0.071 MI S OF RTE 76	Bridge					x	x	No
194	RRTPO	Richmond	104887	RTE 60 - BRIDGE REHABILITATION	AT RTE 161 (BELT BLVD)		Bridge					x	x	No
195	RRTPO	Richmond	105209	FLOYD AVE BIKE BOULEVARD	VARIOUS LOCATIONS	VARIOUS LOCATIONS	Bike/Pedestrian					x	x	No
196	RRTPO	Richmond	105889	BIKE SHARE SYSTEM - CITYWIDE	VARIOUS LOCATIONS	VARIOUS LOCATIONS	Bike/Pedestrian					x	x	No

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	MPO	Jurisdiction	UPC	Description/Facility/Location	From	To	Improvement Type	Exist. Lanes	Prop. Lanes	Functional Class	Opening Year	21-24 TIP	2040 CLRP	Reg Sig for AQ?
197	RRTPO	Richmond	106246	CANNON CREEK GREENWAY	VALLEY ROAD	HOSPITAL ROAD (AT OLIVER HILL WY)	Bike/Pedestrian					x	x	No
198	RRTPO	Richmond	106247	MUNFORD ES & FOX ES - SIDEWALKS	VARIOUS	VARIOUS	Bike/Pedestrian					x	x	No
199	RRTPO	Richmond	107515	CARNATION STREET - ADD SIDEWALK - TAP	RTE 60 (MIDLOTHIAN TPKE)	HIOAKS RD	Bike/Pedestrian					x		No
200	RRTPO	Richmond	107531	BELLEMEADE PARK - PEDESTRIAN TRAIL - TAP	MINEFREE ST	OAK GROVE- BELLEMEADE SCHOOL	Bike/Pedestrian					x		No
201	RRTPO	Richmond	104892	PORT OF VIRGINIA GREEN OPERATOR (GO) PROGRAM			Other					x	x	No
202	RRTPO	Richmond	105701	MAIN STREET STATION SITE IMPROVEMENTS	MAIN STREET STATION	MAIN STREET STATION	Transit					x	x	No
203	RRTPO	Richmond	108649	RTE 5 (MAIN STREET) - NEW ROAD	Henrico Co. Line	0.75 Mi. North of Henrico Co. Line	New 4 lane Facility	0	4	Urban Minor Arterial	2028		x	Yes
204	RRTPO	Richmond	109266	RICHMOND MARINE TERMINAL - INTERMODAL TRANSER IMPROVEMENTS	Various	Various	Other					x	x	No
205	RRTPO	Richmond	113832	Richmond Marine Terminal (RMT) Gate Impr. & New Drop-off Lot	various	various	Other					x		No
206	RRTPO	Richmond	114631	RICHMOND MARINE TERMINAL - EMERGENCY BULKHEAD REPAIR	VARIOUS	VARIOUS	Other					x		No
207	RRTPO	Richmond	115222	Arthur Ashe Park-N-Ride Bus Purchase	Various	Various	Transit					x		No
208	RRTPO	Richmond	115815	I-64 Express Barge Service Expansion	Various	Various	Other					x		No
209	RRTPO	Richmond	-22779	I-95 at Commerce Road Access Study	Various	Various	PE only					x		No
210	RRTPO	Richmond	15958	COMMERCE ROAD - WIDENING	BELLS ROAD (SOUTH JUNCTION)	0.13 Mile N. of BELLEMEADE ROAD	Reconstruction/Maintenance			Major Collector	2021	x	x	Yes

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211	RRTPO	Richmond	15955	RTE 1 - INTERSECTION IMPROVEMENTS AT HOPKINS RD & HARWOOD ST	0.008 MI S CHESTERMAN AVE	0.045 MI N FAIRFAX AVE	Intersection Improvements					x	x	No
212	RRTPO	Richmond	19035	JAHNKE ROAD - 2 LANE IMPROVEMENTS	BLAKEMORE RD	FOREST HILL AVE	Reconstruction/Maintenance					x	x	No
213	RRTPO	Richmond	19036	FOREST HILL AVENUE IMPROVEMENTS	HATHAWAY RD	POWHITE PARKWAY	Reconstruction/Maintenance					x	x	No
214	RRTPO	Richmond	103899	MULTIMODAL IMPROVEMENT TO FRANKLIN ST	14TH STREET	18TH STREET	Bike/Pedestrian					x	x	No
215	RRTPO	Richmond	64219	MAIN STREET STATION CAPITAL PREVENTATIVE MAINTENANCE	(PAYMENT FOR MAINSTREET STATION - MONITORING OF FUNDS	ONLY)	Safety					x	x	No
216	RRTPO	Richmond	100498	City Signal Systems South of James River	James River	City's South limit	Safety					x	x	No
217	RRTPO	Richmond	112373	CENTRAL BUS DIST - RETIMING SIGNALS	VARIOUS LOC	VARIOUS LOC	Safety					x		No
218	RRTPO	Richmond	-20113	GRTC REPLACEMENT OF ROLLING STOCK CNG BUSES (FY22)	N/A	N/A	Transit					x	x	No
219	RRTPO	Richmond	-11907	GRTC REPLACEMENT BUSES			Transit					x		No
220	RRTPO	Richmond	-1811	City of Richmond: Employee TripReduction Program	0	0	Other					x	x	No
221	RRTPO	Richmond	-998	Global Positioning System/Auto Vehicle Location/Auto Passeng	GPS Auto Vehicle Location	Auto Passenger Counting	Transit					x		No
222	RRTPO	Richmond	-206	Alternative Fuel Trolley Vehicle Replacement	0	0	Transit					x	x	No
223	RRTPO	Richmond	-203	Regionwide Air Pollution Reduction Program - Ridefinders	Regionwide Air Pollution Reduction Program	0	Other					x	x	No
224	RRTPO	Richmond	-41	Renovation of Transportation Facility	0	0	Transit					x	x	No

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225	RRTPO	Richmond	104958	PURCHASE OF GRTC REPLACEMENT BUSES			Transit					x		No
226	RRTPO	Richmond	109361	GRTC TRANSIT DEVELOPMENT PLAN	various	various	PE only					x		No
227	RRTPO	Richmond	109362	GRTC REPLACEMENT OF ROLLING STOCK CNG BUSES	N/A	N/A	Transit					x	x	No
228	RRTPO	Richmond	115818	Cash for Carpool Incentive Program	Various	Various	Other					x		No
229	RRTPO	Richmond		I-95 and I-64 East Junction Interchange Improvements	I-95 and I-64 East Junction		Interchange Modification add lanes, etc.			Urban Interstate	2040		x	Yes
230	RRTPO	Richmond		I-95 and I-64 West Junction Interchange Improvements	I-95 and I-64 West Junction		Interchange Modification add lanes, etc.			Urban Interstate	2040		x	Yes
231	RRTPO	Richmond		New Interchange at I-95 and Port of Richmond			New Interchange			Urban Interstate	2040		x	Yes
232	RRTPO	Richmond		New Ramps Connecting New Interchange at I-95 and Bellemeade Rd/Commerce Rd			New Interchange	0	1	Urban Interstate	2040		x	Yes
233	RRTPO	Richmond	-18054	BUS RAPID TRANSIT (BRT)	0	0	Transit					x	x	No
234	RRTPO	Richmond District-wide	106304	PARK AND RIDE LOTS AT PRIORITY LOCATIONS - PE ONLY	VARIOUS LOCATIONS	VARIOUS LOCATIONS	PE only					x	x	No
235	RRTPO	Richmond District-wide	70542	I-64 - WIDEN FROM 4 TO 6 LANES AND IMPROVE RTE 623 INTERCHNG	0.99 MI W RTE 623 (WB - RTE 622, EB - RTE 623)	0.38 MI W RTE 295 IN SHORT PUMP (POUNCEY TRACT RD)	Widen 4L to 6L	4	6	Interstate	2015	x	x	Yes
236	RRTPO	Richmond District-wide	-4314	RICHMOND GRTC - PURCHASE 15 TRANSIT BUSES	GRTC - PURCHASE 15 TRA	0	Transit					x		No
237	RRTPO	Statewide	-11802	Vehicle Fuel Conversion Program	1	1	Other					x		No