



Photo: Ashland Town Hall

## CVTA Technical Advisory Committee (TAC)

### NOTES

This meeting is open to the public. Members of the public are invited to attend in person or virtually. Please alert the CVTA at [CVTA@PlanRVA.org](mailto:CVTA@PlanRVA.org) if electronic transmission of this meeting fails for the public. Please refer to our [Statement Regarding Virtual Meeting Participation by Members of the Public](#) for more information.

Check out our complete [Public Participation Guide](#) online to learn about the different ways you can stay connected and involved.

Meetings are also live streamed and archived on our YouTube Channel at [Plan RVA - YouTube](#).

Members of the public are invited to submit public comments either verbally or in writing. Written comments can be submitted through the Q&A/Chat function on Zoom by email to [CVTA@PlanRVA.org](mailto:CVTA@PlanRVA.org). Written comments will be read aloud or summarized during the meeting when possible and will be included in the meeting minutes. Verbal comments will be taken during the Public Comment Period on the agenda. Please indicate by raising your hand (in-person participants, where applicable) or through the Q&A/Chat functions on Zoom (virtual participants) if you would like to comment. When acknowledged by the Chairman, please clearly state your name so that it may be recorded in the meeting minutes.

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*PlanRVA is where the region comes together to look ahead. Established in 1969, PlanRVA promotes cooperation across the region's nine localities and supports programs and organizations like the Richmond Regional Transportation Planning Organization, Central Virginia Transportation Authority, the Emergency Management Alliance of Central Virginia, Lower Chickahominy Watershed Collective and Don't Trash Central Virginia.*

# AGENDA

## CVTA TECHNICAL ADVISORY COMMITTEE (TAC)

Monday, January 8, 2024, 1:00 p.m. - Zoom Meeting

If you wish to participate in this meeting virtually, please register via Zoom at the following link:  
[https://planrva-org.zoom.us/webinar/register/WN\\_fGoo8\\_aCTNaEQqUSFti8gQ](https://planrva-org.zoom.us/webinar/register/WN_fGoo8_aCTNaEQqUSFti8gQ)

1. **Welcome and Introductions**  
(Clarke)
2. **Roll Call & Certification of a Quorum**  
(Scott)
3. **Consideration of Amendments to the Agenda**  
(Clarke)
4. **Approval of November 13, 2023, CVTA TAC Meeting Minutes** – page 4  
(Clarke)  
**Requested action: approval of CVTA TAC meeting minutes as presented (voice vote).**
5. **Public Comment Period**  
(Clarke/5 minutes)
6. **CVTA TAC Chair's Report**  
(Clarke/5 minutes)
7. **Fall Line Trail Updates**  
(Parsons/McAdory/20 minutes)  
**Information Items:**
  - a. **Fall Line management considerations from Finance Committee discussion**
  - b. **DB 2 & 3**
8. **CVTA Regional Projects Cycle**  
(Parsons/60 minutes)
  - a. **Cost estimate verification**  
**Requested action: motion to recommend approval of cost estimates for consideration in development of draft 6-year project list and funding scenario.**
  - b. **Updated CVTA Revenue Estimates (annual projections from VDOT)** – page 6  
**Requested action: motion to recommend acceptance of 2023 CVTA revenue estimates from VDOT and incorporate them into the Round 3 Regional Funding Scenario.**

- c. **Baseline Existing Projects Scenario**  
Information Item: review draft baseline updated estimate scenario including SPA commitments, updated timelines and current funding for existing projects.
- d. **Candidate Project Database** – page 9  
Information Item: review initial draft of CPD for use in developing vision list budget.

**13. CVTA TAC Member Comments**

*(Clarke/5 minutes)*

**14. Next Meeting: February 5, 2024, at 1:00 p.m. (rescheduled meeting date)**

*(Clarke)*

**15. Adjournment**

*(Clarke)*

**CENTRAL VIRGINIA TRANSPORTATION AUTHORITY  
TECHNICAL ADVISORY COMMITTEE (TAC)**

**ZOOM MEETING MINUTES  
November 13, 2023, 1:00 p.m.**

**Members and Alternates Present:**

Voting Members					
Town of Ashland		Charles City County		Chesterfield County	
Nora Amos	X	Gary Mitchell	X	Barbara K. Smith, Vice Chair	X
Goochland County		Rhonda Russell (A)		Chessa D. Walker (A)	X
Austin Goyne	X	Hanover County		Henrico County	
Thomas M. Coleman (A)		Joseph E. Vidunas	X	Todd Eure	X
New Kent County		Powhatan County		Sharon Smidler (A)	X
Amy Inman	X	Mike Ciriello		City of Richmond	
Kelli Le Duc (A)		Bret Schardein (A)		Dironna Moore Clarke, Chair	X
Non-Voting Members					
GRTC Transit System		PlanRVA/RRTP		RMTA*	
Stefan Marks	X	Chet Parsons		Joi Taylor Dean	
Patricia Robinson (A)	X	VDOT		Virginia Port Authority	
VDRPT		Dale Totten		Barbara Nelson	X
Tiffany T. Dubinsky	X	Mark Riblett (A)	X		
Daniel Wagner (A)		Liz McAdory (A)			

The technology used for the CVTA TAC meeting was a web-hosted service created by Zoom and YouTube Live Streaming and was open and accessible for participation by members of the public. A recording of this meeting is available on our [Plan RVA YouTube Channel](#).

Virtual participation of this meeting by members of the committee is authorized under the City of Richmond Res. No. 2020-R025, - declaration of a local emergency due to the potential spread of COVID-19, adopted March 16, 2020. The resolution is available [here](#).

**1. Welcome and Introductions**

The Central Virginia Transportation Authority (CVTA) Technical Advisory Committee (TAC) Chair, Dironna Moore Clarke, presided and called the November 13, 2023, CVTA Technical Advisory Committee (TAC) regular meeting to order at 1:03 p.m.

**2. Roll Call & Certification of a Quorum**

Janice Scott, PlanRVA, took attendance by roll call and certified that a quorum was present.

**3. Consideration of Amendments to the Agenda**

There were no requested amendments to the agenda.

**4. Approval of October 16, 2023, CVTA TAC Meeting Minutes**

On motion by Gary Mitchell, seconded by Barbara Smith, the members of the CVTA Technical Advisory Committee voted unanimously to approve the meeting minutes as presented (voice vote).

**5. Public Comment Period**

There were no requests to address the committee.

**6. CVTA TAC Chair’s Report**

Chair Clarke reported that she is excited for the region and the great things that are being done by this team.

She noted that TAC members should submit their project wish-list to Chet by Wednesday, November 22, 2023. The projects can be categorized as 0-5 years, 5-10 years, and 10-15 years in the future.

There was a discussion about possible mapping of the project list in the future.

**7. Fall Line Trail Updates – DB 2 & 3**

Mark Riblett, VDOT, provided a brief update on the trail. He noted that there have been no significant developments since the last working group meeting.

It was noted that no reimbursements have been submitted yet for DBI. The expectation is to have that begin once the new SPA format is approved and in use.

**8. CVTA-Locality SPA Request (City of Richmond)**

Chet Parsons, CVTA, explained the request from the City of Richmond for the Bryan Park Segment of the Fall Line Trail. The allocated project funding amount is \$3M.

On motion by Todd Eure, seconded by Amy Inman, the members of the CVTA Technical Advisory Committee voted unanimously to recommend full Authority approval of the CVTA-Locality agreement for CVTA-0007 (Fall Line Trail – Bryan Park Segment) through enclosed SPA request (roll call vote; see below).

Town of Ashland	Vote	Charles City County	Vote	Chesterfield County	Vote
Nora Amos	Aye	Gary Mitchell		Barbara Smith	Aye
Goochland County		Hanover County		Henrico County	
Austin Goyne	Aye	Joseph E. Vidunas	Aye	Todd Eure	Aye
New Kent County		Powhatan County		City of Richmond	
Amy Inman	Aye	Bret Schardein		Dironna Moore Clarke, Chair	Aye

**9. CVTA TAC Member Comments**

Barbara Smith asked for an update on the CVTA regional application process. Mr. Parsons reported that projects will be evaluated and localities should hear back from the 3<sup>rd</sup> party cost estimate reviewers by the end of the calendar year.

Mr. Parsons reported the following:

- He is presented at the VACo conference later today.
- The ground-breaking for the I-64 widening project in New Kent is occurring this afternoon.
- The ribbon cutting for the first phase of the micro-transit project was held this morning.

**10. Next Meeting: Monday, December 11, 2023, at 1:00 p.m.**

**11. Adjournment**

Chair Clarke adjourned the meeting at 1:37 p.m.



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF TRANSPORTATION

Stephen C. Brich, P.E.  
Commissioner

1401 East Broad Street  
Richmond, Virginia 23219

(804) 786-2701  
Fax: (804) 786-2940

December 22, 2023

Chet Parsons  
Executive Director  
Central Virginia Transportation Authority  
424 Hull Street, Suite 300  
Richmond, Virginia 23224

Dear Mr. Parsons:

The Virginia Department of Taxation prepares revised revenue forecasts for the Commonwealth's state revenue sources. The revenue forecast includes the state nongeneral fund revenues dedicated to transportation. The Virginia Department of Transportation has received the revised official revenue estimates for Fiscal Years 2024 to 2030 for the regional revenues dedicated to the Central Virginia Transportation Fund (CVTF).

The attached document provides the December 2023 CVTF revenue estimates for Fiscal Years 2024 to 2030 and a comparison to the estimates provided in December 2022. The monthly CVTF reports provided by VDOT will reflect these new revenue estimates for the current fiscal year.

Please let me know if you have any questions.

Sincerely,

A handwritten signature in cursive script that reads "Laura A. Farmer".

Laura A. Farmer  
Chief Financial Officer

Attachment

c: Stephen C. Brich, Commissioner of Highways

**Central Virginia Transportation Fund (09730)**

Revenue Forecast

Fiscal Years 2024 - 2030

(in millions)

	December 2022 Forecast			December 2023 Forecast			Change		
	<i>0.7% Local Sales Tax</i>	<i>Fuels Tax</i>	<i>Total CVTF Revenues</i>	<i>0.7% Local Sales Tax</i>	<i>Fuels Tax</i>	<i>Total CVTF Revenues</i>	<i>0.7% Local Sales Tax</i>	<i>Fuels Tax</i>	<i>Total CVTF Revenues</i>
<b>FY 2024</b>	\$ 170.4	\$ 57.6	\$ 228.0	\$ 154.0	\$ 51.3	\$ 205.3	\$ (16.4)	\$ (6.3)	\$ (22.7)
<b>FY 2025</b>	176.2	60.0	236.2	161.8	52.7	214.5	(14.4)	(7.3)	(21.7)
<b>FY 2026</b>	180.8	61.9	242.7	176.5	54.6	231.1	(4.3)	(7.3)	(11.6)
<b>FY 2027</b>	182.4	63.7	246.1	183.5	56.1	239.6	1.1	(7.6)	(6.5)
<b>FY 2028</b>	184.4	65.4	249.8	190.4	57.6	248.0	6.0	(7.8)	(1.8)
<b>FY 2029</b>	186.5	66.8	253.3	197.3	58.9	256.2	10.8	(7.9)	2.9
<b>FY 2030</b>	188.5	67.1	255.6	203.8	59.1	262.9	15.3	(8.0)	7.3
<b>Total - FY 2024 - 2030</b>	<b>\$ 1,269.2</b>	<b>\$ 442.5</b>	<b>\$ 1,711.7</b>	<b>\$ 1,267.3</b>	<b>\$ 390.3</b>	<b>\$ 1,657.6</b>	<b>\$ (1.9)</b>	<b>\$ (52.2)</b>	<b>\$ (54.1)</b>



**Adjusted Revenue Forecasts based on VDOT Projections**

Central Virginia Transportation Authority (January 2024)

	December 2020 VDOT Forecast (million)			December 2020 Adjusted Forecast (million)			December 2021 VDOT Forecast (million)			December 2022 VDOT Forecast (million)			December 2023 VDOT Forecast (million)			Variance from 2022 Forecast (million)			Adjusted Regional Forecast (01/24)	Adjusted Forecast Local Revenues (million)	Adjusted Forecast GRTC Revenues (million)
	0.7% Local Sales Tax	Fuels	Total CVTF Revenues	0.7% Local Sales Tax	Fuels Tax	Total CVTF Revenues	0.7% Local Sales Tax	Fuels Tax	Total CVTF Revenues	0.7% Local Sales Tax	Fuels Tax	Total CVTF Revenues	0.7% Local Sales Tax	Fuels Tax	Total CVTF Revenues	0.7% Local Sales Tax	Fuels Tax	Total CVTF Revenues	35%	50%	15%
2022	\$140	\$60	\$200	\$132	\$57	\$189	\$122.7	\$58.4	\$181.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023	\$144	\$62	\$206	\$135	\$59	\$194	\$131.8	\$61.1	\$192.9	\$166.7	\$54.1	\$220.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024	\$147	\$63	\$210	\$138	\$60	\$198	\$135.6	\$61.9	\$197.5	\$170.4	\$57.6	\$228.0	\$154.0	\$51.3	\$205.3	(\$16.4)	(\$6.3)	(\$22.7)	\$71.9	\$102.7	\$30.8
2025	\$155	\$64	\$218	\$145	\$60	\$206	\$139.0	\$62.4	\$201.4	\$176.2	\$60.0	\$236.2	\$161.8	\$52.7	\$214.5	(\$14.4)	(\$7.3)	(\$21.7)	\$75.1	\$107.3	\$32.2
2026	\$162	\$65	\$227	\$152	\$61	\$214	\$139.8	\$63.0	\$202.8	\$180.8	\$61.9	\$242.7	\$176.5	\$54.6	\$231.1	(\$4.3)	(\$7.3)	(\$11.6)	\$80.9	\$115.6	\$34.7
2027	\$167	\$66	\$232	\$156	\$63	\$219	\$140.5	\$64.0	\$204.5	\$182.4	\$63.7	\$246.1	\$183.5	\$56.1	\$239.6	\$1.1	(\$7.6)	(\$6.5)	\$83.9	\$119.8	\$35.9
2028	\$171	\$67	\$238	\$161	\$64	\$225	\$141.1	\$65.4	\$206.5	\$184.4	\$65.4	\$249.8	\$190.4	\$57.6	\$248.0	\$6.0	(\$7.8)	(\$1.8)	\$86.8	\$124.0	\$37.2
2029	NA	NA	NA	NA	NA	NA	NA	NA	NA	\$186.5	\$66.8	\$253.3	\$197.3	\$58.9	\$256.2	\$10.8	(\$7.9)	\$2.9	\$89.7	\$128.1	\$38.4
2030	NA	NA	NA	NA	NA	NA	NA	NA	NA	\$188.5	\$67.1	\$255.6	\$203.8	\$59.1	\$262.9	\$15.3	(\$8.0)	\$7.3	\$92.0	\$131.5	\$39.4
<b>TOTAL</b>	<b>\$1,085</b>	<b>\$446</b>	<b>\$1,532</b>	<b>\$1,020</b>	<b>\$424</b>	<b>\$1,444</b>	<b>\$950.5</b>	<b>\$436.2</b>	<b>\$1,386.7</b>	<b>\$1,435.9</b>	<b>\$496.6</b>	<b>\$1,932.5</b>	<b>\$1,267.3</b>	<b>\$390.3</b>	<b>\$1,657.6</b>	<b>(\$1.9)</b>	<b>(\$52.2)</b>	<b>(\$54.1)</b>	<b>\$580.2</b>	<b>\$828.8</b>	<b>\$248.6</b>

	Estimated Regional Revenue Contribution by Jurisdiction - based on 2024 Forecast Tax Revenue (million)									
	Ashland	Charles City	Chesterfield	Goochland	Hanover	Henrico	New Kent	Powhatan	Richmond	Total
2024	\$0.232	\$0.493	\$20.315	\$1.80	\$9.80	\$23.22	\$1.66	\$1.55	\$12.79	\$71.86
2025	\$0.243	\$0.515	\$21.225	\$1.89	\$10.24	\$24.26	\$1.73	\$1.62	\$13.36	\$75.08
2026	\$0.261	\$0.555	\$22.868	\$2.03	\$11.03	\$26.13	\$1.87	\$1.75	\$14.39	\$80.89
2027	\$0.271	\$0.575	\$23.709	\$2.11	\$11.43	\$27.10	\$1.93	\$1.81	\$14.92	\$83.86
2028	\$0.280	\$0.595	\$24.540	\$2.18	\$11.84	\$28.05	\$2.00	\$1.87	\$15.45	\$86.80
2029	\$0.290	\$0.615	\$25.352	\$2.25	\$12.23	\$28.97	\$2.07	\$1.94	\$15.96	\$89.67
2030	\$0.297	\$0.631	\$26.015	\$2.31	\$12.55	\$29.73	\$2.12	\$1.99	\$16.37	\$92.02
<b>TOTAL</b>	<b>\$1.288</b>	<b>\$2.733</b>	<b>\$112.657</b>	<b>\$10.009</b>	<b>\$54.331</b>	<b>\$128.752</b>	<b>\$9.191</b>	<b>\$8.604</b>	<b>\$70.910</b>	<b>\$398.475</b>

Fiscal Year 2023 final distributions		
	Revenue	Combined Tax
Ashland	\$ 340,083	0.32%
Charles City	\$ 721,771	0.69%
Chesterfield	\$ 29,753,780	28.27%
Goochland	\$ 2,643,576	2.51%
Hanover	\$ 14,349,421	13.63%
Henrico	\$ 34,004,702	32.31%
New Kent	\$ 2,427,332	2.31%
Powhatan	\$ 2,272,408	2.16%
Richmond	\$ 18,727,909	17.80%
<b>Total</b>	<b>\$ 105,240,982</b>	



<b>Total Regional Need:</b>	<b>\$7,921,100,000</b>
<i>Timeframe</i>	
0-5 Years	\$2,253,500,000
5-10 years	\$3,020,500,000
10-15 years	\$2,647,100,000

<i>Project Eligibility</i>	
<i>Eligible</i>	<i>Wild Card</i>
\$1,886,500,000	\$346,000,000
\$2,716,300,000	\$290,000,000
\$2,372,000,000	\$275,100,000



Priority	Eligible or Wildcard?	Projects	Estimate (in millions)				Phase Duration (months)			STATUS:
			PE	RW	CN	TOTAL	PE	RW	CN	
0-5	WC	Fire Station Warning lights/stop light for exiting emergency vehicles when on call to an emergency	N/A	N/A	N/A	\$0.00				
0-5	WC	Railroad crossing safety improvements	N/A	N/A	N/A	\$0.00				
0-5	WC	Repaving/surfacing of Barnetts Road	~\$1.5M per mile order of magnitude			\$0.00				Order of magnitude estimate is in FY2022 Dollars based on previous projects executed in Richmond District.
0-5	WC	Construction of specific improvements resulting from the Rt. 106 Corridor Study (projects may transcend all time horizons)	TBD	TBD	TBD	\$0.00				
0-5	WC	Spot Improvements and shoulder improvements on Willcox Neck Road from Rivers Rest to Rt. 5	\$1.00	\$2.00	\$6.50	\$9.50				Based of FY2024 RSTBG application estimate review. Numbers in FY2022 dollars.
0-5	WC	Shoulder safety pavement markings on all Primaries (example - Rt, 5 going towards Williamsburg)	\$250,000 per mile order of magnitude costs			\$0.00				Order of magnitude estimate is in FY2022 Dollars based on previous project executed in Richmond District.
0-5	E	Micro-transit service in Charles City County linking GRTC and Bay Aging Services (piolet program)	N/A	N/A	N/A	\$0.00				
0-5	WC	Turn lanes and tapers for the County's commercial/industrial park along Rt 106	\$0.50	\$1.00	\$2.00	\$3.50				Order of magnitude estimate is in FY2022 Dollars based on previous project executed in Richmond District.
0-5	WC	Safety Improvements to Rt. 5 and Courthouse Road Intersection	\$1.50	\$1.50	\$5.00	\$8.00				Based on FY2020 SMART SCALE application estimate review. Used PS module to inflate estimate.
0-5	WC	Establishment of a Park and Ride Lot in Charles City County (Courthouse and/or Roxbury)	\$20,000 per space order of magnitude costs			\$0.00				Order of magnitude estimate is in FY2022 Dollars based on previous project executed in Richmond District.
5-10	WC	Wayside Road & Rt. 106 intersection safety Improvements	\$0.70	\$1.00	\$4.00	\$5.70				Order of magnitude estimate is in FY2022 Dollars based on previous project executed in Richmond District.
5-10	WC	Improvement to 2 Mile Trail to bring it into the state system as well as other potential private roads	\$2.00	\$1.50	\$5.00	\$8.50				Order of magnitude estimate is in FY2022 Dollars based on previous project executed in Richmond District.
5-10	WC	Establish a Rural Addition/Revenue Sharing Program	N/A	N/A	N/A	\$0.00				
5-10	WC	Elevation of the north end of Barnetts Road which often floods during periods of high precipitation	TBD	TBD	TBD	\$0.00				Project scope and locations requires additional clarity to develop order of magnitude cost estimate.
5-10	WC	Extension of existing roads to offer alternative(s) to Rt. 5 being the only West to East connection	\$3,000,000 per mile order of magnitude costs			\$0.00				Order of magnitude estimate is in FY2022 Dollars based on previous project executed in Richmond District.
						\$0.00				
						\$0.00				
						\$0.00				
						\$0.00				
Total						\$35.2				

Estimates and schedules are for planning purposes only and are subject to change.

0-5 \$21.00  
5-10 \$14.2  
10-15 \$0.0

Charles City

Priority	Eligible or Wildcard?	Projects	Estimate (in millions)				Phase Duration (months)			STATUS:
			PE	RW	CN	TOTAL	PE	RW	CN	
0-5	E	Rt 150/Rt 60 Interchange Improvement	\$2.50	\$3.60	\$18.40	\$24.50	24	18	24	IAR underway; future RAISE grant request
0-5	E	Rt 360 (Woodlake Village Pkwy - Otterdale Rd) Widening	\$2.11	\$9.00	\$31.09	\$42.20	12	24	24	30% design underway
0-5	E	288/360: Rt 288 Southbound CD Road with Genito Ramp *	\$3.60	\$1.30	\$40.10	\$45.00	24	12	24	Corridor study/IAR underway
0-5	E	Powhite Pkwy Extended, Ph I	\$17.00	\$16.60	\$166.40	\$200.00	12	12	24	Design underway; \$170 M available
0-5	E	Powhite Pkwy Extended (Woolridge - Rt. 360), Ph II	\$25.00	\$25.00	\$450.00	\$500.00	24	12	30	NEPA underway
0-5	E	288/360: Rt. 288 NB BBC Flyover	\$4.00	\$12.00	\$64.00	\$80.00	24	12	24	PE underway
0-5	E	I-95/Rt 10 Interchange Improvement, Phase II	\$1.00	\$0.62	\$9.88	\$11.50	18	12	12	30% design underway; Pending INFRA grant
0-5	E	I-95/Willis Road Interchange Improvement and Rt 1 Turn Lane Improvements	\$5.30	\$51.30	\$66.80	\$123.40	24	24	30	30% design underway; Pending INFRA grant
0-5	E	Hopkins Road at Chippenham & Hopkins Road Diet	\$2.50	\$7.50	\$40.00	\$50.00	12	18	24	60% design underway (RAISE grant);
0-5	E	Rt 150/Rt 360 Interchange Improvement	\$1.86	\$5.58	\$29.76	\$37.20	18	12	12	Feasibility underway; Reconnecting Communities pending
0-5	WC	Bellwood Connector	\$3.00	\$4.50	\$22.50	\$30.00	24	12	24	
0-5	E	Route 60 (Village of Midlo) Corridor Enhancements	\$2.50	\$3.00	\$27.10	\$32.60	12	18	18	60% design underway
0-5	E	Busy Street Extension	\$1.40	\$4.00	\$9.60	\$15.00	18	18	12	
0-5	WC	Henricus Access Road Supplemental Funding	\$4.50	\$4.00	\$75.00	\$25.00	12	12	24	
0-5	E	FLT: Route 1 FIG (Walmsley - Falling Ck Ave; Elliam - Dwight, Gettings - Willis)	\$4.80	\$1.60	\$17.20	\$23.60	18	24	18	
5-10	E	288/360: Rt 360 Superstreet (5 intersections, Harbour Pointe - Duckridge)	\$6.00	\$18.00	\$96.00	\$120.00	18	18	24	Corridor study underway
5-10	E	Huguenot Rd (Cranbeck Rd - Robious Rd) Congestion & Safety Improvement	\$1.50	\$3.38	\$17.63	\$22.50	18	12	12	
5-10	WC	Genito Rd/Woolridge Rd Innovative Intersection	\$1.50	\$4.50	\$24.00	\$30.00	18	12	18	
5-10	E	288/360: Rt 288 NB (Rt. 360 - Powhite Pkwy) CD Road/Aux Lane *	\$10.00	\$30.00	\$160.00	\$200.00	24	12	18	
5-10	E	288/360: Rt 288 SB (Powhite Pkwy - Commonwealth Center) CD Road*	\$10.00	\$30.00	\$160.00	\$200.00	24	12	18	
5-10	E	Route 288 (I-95 - Route 1) and Rt 288/Rt 1 Interchange Improvement	\$3.50	\$10.50	\$56.00	\$70.00	18	12	18	
5-10	E	Route 60 at Providence Road and Buford Road - Innovative Intersection	\$1.00	\$3.00	\$16.00	\$20.00	24	24	18	
10-15	E	288/360: Commonwealth Center/Old Hundred Intersection Improvement	\$10.00	\$30.00	\$160.00	\$200.00	24	24	24	
10-15	E	FLT: Route 1 - Rt. 10	\$2.00	\$6.00	\$32.00	\$40.00	18	12	12	
10-15	E	FLT: Spur TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
10-15	E	FLT: Trailheads and Amenities TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
10-15	WC	Meadowville Technology Parkway at I-295 - Widening (2 to 4)	\$1.25	\$3.75	\$20.00	\$25.00	24	12	18	
10-15	E	Powhite Pkwy, Chippenham Pkwy, Jahnke Rd - Access, New Alignment & Road Improvements	\$3.00	\$9.00	\$48.00	\$60.00	24	12	24	
10-15	E	288/360: Route 288 (Powhite Pkwy to Lucks Lane) Widening	\$4.50	\$13.50	\$72.00	\$90.00	24	12	24	

Priority	Eligible or Wildcard?	Projects	Estimate (in millions)				Phase Duration (months)			STATUS:
			PE	RW	CN	TOTAL	PE	RW	CN	
10-15	E	Route 288 SB (Lucks Ln - Woolridge Rd) Widening	\$5.00	\$20.00	\$125.00	\$170.00	24	12	24	
10-15	E	Route 1 at Route 10 - Innovative Intersection	\$2.75	\$8.25	\$44.00	\$55.00	24	24	24	
10-15	E	Route 60 at Arboretum Parkway and Pinetta Drive - Innovative Intersection	\$0.90	\$2.70	\$14.40	\$18.00	24	24	18	
10-15	E	Route 60 at Courthouse Road and Huguenot Road - Innovative Intersection	\$1.75	\$5.25	\$28.00	\$35.00	24	24	18	
10-15	E	Route 60 at Wadsworth Drive/Gateway Center Parkway - Innovative Intersection	\$0.70	\$2.10	\$11.20	\$14.00	24	24	18	
10-15	E	288/360: Route 288/Genito Road Full Interchange and CD Roads, NB & SB *	\$12.50	\$37.50	\$200.00	\$250.00	24	12	24	
10-15	E	I-295 at Meadowville Technology Parkway - Interchange Improvement	\$1.50	\$4.50	\$24.00	\$30.00	24	12	18	

Total \$2,889.5

Estimates and schedules are for planning purposes only and are subject to change.  
 \* 288/360: Route 288 projects: line 37 is the total project; other projects are phases of that

	0-5	\$1,240.00	1185	55
	5-10	\$662.5	632.5	30
Chesterfield	10-15	\$987.0	962	25













Priority	Eligible or Wildcard?	Projects	Estimate (in millions)				Phase Duration (months)			STATUS:
			PE	RW	CN	TOTAL	PE	RW	CN	
0-5	E	North-South BRT – Chamberlayne Ave Section				\$130.00				Eligible for leverage/Local share only
0-5	E	Downtown Transit Hub				\$50.00				Eligible for leverage/Local share only
0-5	WC	Sidewalk Connections to Regional Trails				\$40.00				Need clarity on details - the guidelines say spurs to trails are eligible
0-5	WC	Mosby Street/Mechanicsville Turnpike improvements				\$1.00				Rec 5B, page 188-189 in strategic plan
0-5	WC	Heavy Paving Reconstruction/ Street Maintenance Replacement				\$100.00				Government Road, Williamsburg Avenue, North Avenue, etc
0-5	E	Transit Bus Stop Renovations Capital Costs				\$10.00				Eligible for leverage/Local share only
0-5	WC	Diamond District Streets Infrastructure Improvement Package				\$50.00				Need detail on street eligibility
0-5	WC	City Center Streets Infrastructure Improvement Package				\$40.00				Need detail on street eligibility
0-5	WC	Shockoe Valley Streets Improvement Project with Shockoe Campus Project				\$35.00				Need detail on street eligibility
0-5	E	Southside Richmond US 360 Improvements				\$15.00				
0-5	WC	Manchester Area Transportation Improvements				\$10.00				Need detail on street eligibility
0-5	E	Manchester Bridge Rehabilitation over James River Deck Replacement				\$27.00				
0-5	E	US Route 1 James River Bridge Rehabilitation over James River				\$5.00				Lee Bridge Phase 1
0-5	E	Martin Luther King Bridge Rehabilitation				\$18.50				over Shockoe Valley-(US 33)
0-5	E	Midlothian Turnpike Bridge Rehabilitation				\$30.00				over CSX with BRT Interchange Improvement
0-5	WC	Curbside Management System for Connected Autonomous Vehicles				\$5.00				
0-5	WC	Richmond Signal System – Hardware, Software, Communication, and Infrastructure Maintenance Replacement				\$10.00				Failing Traffic Signal Pole Replacement, Failing Vehicle Detection Replacement, Failing Pedestrian Push Buttons and Countdown Signals Replacement, Failing Traffic Signal Communication Replacement, Traffic Signal Controller and Cabinet Replacement, Modernizing Traffic Control Signal Intersections
5-10	E	RMTA Boulevard Bridge Replacement crossing the James River				\$120.00				
5-10	E	US Route 1 James River Bridge Rehabilitation over James River				\$35.00				Lee Bridge Phase II
5-10	E	Westwood Avenue Bridge Rehabilitation over ACCA Yard				\$5.00				
5-10	E	Westwood Avenue Ramp Bridge Rehabilitation over ACCA Yard				\$3.50				
5-10	E	North South Heavy Construction– North South BRT Transit Route				\$200.00				Downtown Section, Hull Street Section, Belt Boulevard Section, Midlothian Turnpike Section
5-10	E	Eastern Extension of BRT				\$100.00				
5-10	E	Richmond Marine Terminal Interstate Access Improvements				\$80.00				Commerce Road Gateway
5-10	WC	James River Park System / Riverfront / Missing Link Transportation Package				\$20.00				

Priority	Eligible or Wildcard?	Projects	Estimate (in millions)				Phase Duration (months)			STATUS:
			PE	RW	CN	TOTAL	PE	RW	CN	
5-10	WC	Diamond District Streets Infrastructure Improvement Package				\$30.00				
5-10	WC	City Center Streets Improvement Package				\$10.00				
5-10	E	Chippenham Interchange Improvements-Hull St/Midlothian				\$40.00				Chesterfield (20 M) City (20 M)
5-10	E	Fall Line Trail				\$45.00				
5-10	WC	Jackson Ward Interstate Cap				\$200.00				
10-15	WC	Route 1 Great Street Improvements (Route 1 south of US Route 360)				\$150.00				Package existing and IDed safety improvements, bus stop upgrades, and sidewalks along this corridor into one large regional project
10-15	E	Belvidere I-95/I-64 Interchange				\$80.00				
10-15	E	Bryan Park I-95 / I-64 / I-195 Interchange				\$80.00				
10-15	E	Bellemeade Road Interchange/Access to the Port				\$250.00				
10-15	WC	Richmond Signal System – Hardware, Software, Communication, and Infrastructure Maintenance Replacement				\$15.00				Failing Traffic Signal Pole Replacement, Failing Vehicle Detection Replacement, Failing Pedestrian Push Buttons and Countdown Signals Replacement, Failing Traffic Signal Communication Replacement, Traffic Signal Controller and Cabinet Replacement, Modernizing Traffic Control Signal Intersections
			Total			\$2,040.0				

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0-5	\$576.50	285.5	291
5-10	\$888.5	628.5	260
10-15	\$575.0	410	165

Richmond