

# AGENDA

## CVTA TECHNICAL ADVISORY COMMITTEE (TAC)

Monday, February 13, 2023, 1:00 p.m.

Zoom Meeting

*This meeting is open to the public. Members of the public are invited to attend virtually. Please alert the CVTA TAC at [CVTA@PlanRVA.org](mailto:CVTA@PlanRVA.org) if electronic transmission of this meeting fails for the public. If such transmission fails, the committee will take a recess until public access is restored. Please refer to our [Statement Regarding Virtual Meeting Participation by Members of the Public](#) for more information.*

*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\\_jisnsbEMTxGaij9-cXaJLQ](https://planrva.org.zoom.us/webinar/register/WN_jisnsbEMTxGaij9-cXaJLQ)*

*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 [www.youtube.com/c/PlanRVA](http://www.youtube.com/c/PlanRVA).*

### 1. Welcome and Introductions

*(Clarke)*

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

*(Firestone)*

### 3. Consideration of Amendments to the Agenda

*(Clarke)*

### 4. Approval of January 9, 2023, CVTA TAC Meeting Minutes – page 3

*(Clarke)*

**Action requested: approval of the CVTA TAC meeting minutes as presented (voice vote).**

### 5. Public Comment Period

*(Clarke/5 minutes)*

*This meeting is being held via Zoom. A link to the Zoom webinar, where individuals may register to participate, is posted at the top of this agenda.*

*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 or to the email address at the top of this agenda. 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 at this time. Please indicate through the Q&A/Chat functions on Zoom 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.*

- 6. CVTA TAC Chair's Report**  
*(Clarke/5 minutes)*
- 7. Request to Redirect Funds to Ashland Road DDI Project – Goochland County** – page 5  
**Discussion item.**
- 8. Project Selection and Allocation Framework** – page 6  
*(Walker/45 minutes)*  
**Discussion item: review of newly submitted test projects, six special consideration criteria, cost overruns, project estimates and project management.**
- 9. Smart Scale Recommendations Review (focus on CVTA leveraging impacts)** – page 15  
*(Parsons/20 minutes)*
- 10. CVTA TAC Member Comments**  
*(Clarke/5 minutes)*
- 11. Next Meeting: March 13, 2023**  
*(Clarke)*
- 12. Adjournment**  
*(Clarke)*

CAP/jf  
Attachments

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

**ZOOM MEETING MINUTES  
January 9, 2023**

**Members and Alternates Present:**

Voting Members					
<b>Town of Ashland</b>		<b>Charles City County</b>		<b>Chesterfield County</b>	
Nora Amos	X	Gary Mitchell		Barbara K. Smith, Vice Chair	X
Will Tucker		Rhonda Russell (A)	X	Chessa D. Walker (A)	
<b>Goochland County</b>		<b>Hanover County</b>		<b>Henrico County</b>	
Austin Goynes	X	Joseph E. Vidunas	X	Todd Eure	
Thomas M. Coleman (A)		J. Michael Flagg (A)		Sharon Smidler (A)	X
<b>New Kent County</b>		<b>Powhatan County</b>		<b>City of Richmond</b>	
Justin M. Stauder		Bret Schardein		Dironna Moore Clarke Chair	X
Kelli Le Duc (A)		Vacant (A)			
<b>VDRPT</b>					
Tiffany T. Dubinsky		<b>VDOT</b>		<b>Virginia Port Authority</b>	
Daniel Wagner (A)	X	Dale Totten		Barbara Nelson	
		Mark Riblett (A)	X		
		Liz McAdory (A)		<b>PlanRVA/RRTPO</b>	
<b>GRTC Transit System</b>				Chet Parsons	X
Adrienne Torres		<b>RMTA*</b>			
Sam Sink (A)	X	Joi Taylor Dean			

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) Vice Chair, Barbara K. Smith, presided and called the January 9, 2023, CVTA Technical Advisory Committee (TAC) regular meeting to order at 1:02 p.m.

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

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

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

There were no requested changes to the agenda.

#### **4. Approval of December 12, 2022, CVTA TAC Meeting Minutes**

On motion by Joseph E. Vidunas, seconded by Austin Goyne, the CVTA TAC unanimously approved the minutes of the December 12, 2022, meeting as presented (voice vote).

#### **5. Public Comment Period**

There were no requests to address the committee.

#### **6. CVTA TAC Chair's Report**

Vice Chair Smith did not have a formal report.

#### **7. CVTA Regional Allocations: next steps**

Vice Chair Smith provided an update on the status of the regional allocations. Chet Parsons noted that staff is working with the CVTA Finance Committee and PFM to look at short and long-term investments. There are a couple projects listed on the spend plan that don't have schedules yet and may impact fund strategies. Updates will be provided as they are made.

#### **8. Project Selection and Allocation Framework**

There was a discussion about bridge eligibility with respect to bridge condition and current designations.

Estimates and validation was reviewed. The RRTPO Policy Board has asked their TAC to review the matter. The matter will have an impact on the CVTA TAC's ongoing discussion about the project selection and allocation framework. Myles Busching gave an overview of staff's efforts to date to provide clarification on and project cost overruns and work to reduce those in the future. Mark Riblett noted that VDOT's plan is to have all future Star studies have deliverables that end up with a SmartScale ready estimate.

The committee members also discussed projects that were submitted for both PE only and leveraging. If they are not selected for SmartScale, could they be eligible for funding as a PE only projects? This item will be discussed at the next meeting.

Leveraging was discussed. The Full Authority is concerned about holding those funds through two rounds of SmartScale. This results of this round of SmartScale will be out soon. Those results will be reviewed and discussed for how leveraging is handled in the future.

#### **9. CVTA TAC Member Comments**

The group discussed in-person CVTA TAC meetings. Most members prefer to continue holding the meetings virtually. The group may consider having periodic in-person meetings.

There were no other comments from members.

#### **10. Next Meeting: Monday, February 13, 2023, at 1:00 p.m.**

#### **11. Adjournment**

Vice Chair Smith adjourned the meeting at 1:48 p.m.

# BOARD OF SUPERVISORS

Susan F. Lascolette, District 1  
Neil Spoonhower, Chair, District 2  
John Lumpkins, Jr., District 3  
Charlie Vaughters, Vice-Chair, District 4  
Kendall C. Peterson, District 5



**Victor Carpenter**  
County Administrator

**Krystal Onaitis**  
Deputy County Administrator

[www.goochlandva.us](http://www.goochlandva.us)

February 3, 2023

Re: I-64 at Ashland Rd (Rte 623) Interchange Improvements

Chair Clarke:

This letter serves as a request for an agenda item at the February 13<sup>th</sup>, 2023 meeting of the CVTA TAC.

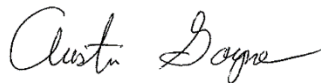
Goochland County is requesting to reprogram \$4,372,138 in FY23-FY26 CVTA Regional Funds from 'SB 288 Continuous HSR Lane -West Creek Parkway to Route 711' to 'I-64 at Ashland Rd (Rte 623) Interchange – DDI.'

In September 2022, a similar request was made for moving funds from the Rt 288 Southbound Auxiliary Lane project to the Ashland Rd DDI project. That request was ultimately approved by the Authority in October 2022. This \$4.37 million was not a part of that request due to these funds being accounted for in a RRTPO Smart Scale application. That application was ultimately unsuccessful, and these funds can now be redirected.

Goochland submitted a Smart Scale application to fully fund the Ashland Rd DDI, however it was unsuccessful due to the high cost of the project. The Ashland Rd DDI project is Goochland County's #1 transportation priority, and we are exhausting all avenues to fully fund this project. As we continue to explore other funding opportunities, redirecting these funds will help make future applications more competitive.

If you have any questions, please contact me at 804-556-5850 or [agoyne@goochlandva.us](mailto:agoyne@goochlandva.us).

Respectfully,



Austin Goyne, CFM  
Transportation Manager

Cc: County Administrator, Victor Carpenter  
Deputy County Administrator, Krystal Onaitis  
Board of Supervisors, Goochland CVTA Representative, Mr. Neil Spoonhower



# CVTA TAC

February 13, 2023



# CVTA Regional Eligibility

- As of last TAC meeting, were considering...
  - » If a Highway project does not meet current framework eligibility criteria, then allow a “Special Considerations” category, more than 1 criteria must be met for consideration
- Special Considerations:
  1. Project on a US Route is eligible
  2. Project on a state primary highway is eligible
  3. Project is needed to support Economic Development
  4. Benefit to multiple jurisdictions for point projects (not linear)?
  5. Project with a projected ADT > 20,000 VPD within the next 20 years is eligible
  6. Establish a reduced ADT threshold for areas outside of Regional “Core”
  7. Establish threshold based on ratio of ADT to Population?

# CVTA Regional Eligibility

- Special Considerations:
  1. Project on a US Route is eligible
    - 3 out of 16 test projects qualify,
    - Already mostly covered with current eligibility requirements
    - Does not add many eligible roadways for rural localities and they are low volume
  2. Project on a state primary highway is eligible
    - 8 out of 16 test projects qualify
    - Pro for rural localities, but low volume roadways



# CVTA Regional Eligibility

- Special Considerations:
  3. Project is needed to support Economic Development
    - TIA/traffic study documents increase in traffic [existing or projected] requiring improvements:
      - 2-lane road => 8,000 ADT for new alignment/reconstruction of 2-lane road
      - 13,000 ADT 2 to 4 new alignment/lane widening
    - Provide site specific supporting information for consideration
      - # of jobs generated, truck traffic generated, square footage, etc.

# CVTA Regional Eligibility

- Special Considerations:

4. Benefit to multiple jurisdictions for point projects (not linear)?
  - Regional coordination/support is not a data driven criteria
  - Not a standalone eligibility criteria, can add to narrative elsewhere, i.e. Econ Dev
5. Project with a projected ADT > 20,000 VPD within the next 20 years is eligible
  - Already required for new alignments, allow for existing roadways as well
  - Make case using available info: TIAs, planning study, comp plan, etc.
6. Establish a reduced ADT threshold for areas outside of Regional “Core”
  - No logical ADT break outside of regional core routes (I-295, I-64, RT 288, I-95)

# CVTA Regional Eligibility

- Special Considerations

- 7. Establish threshold based on ratio of ADT to Population?

- Project ADT % of Local Population – see next slide
      - More a local measure, does not speak to regional nature of project
    - Project ADT % of Regional Population – see next slide
      - Redundant measure, largest ratios already reflected in ADT

#	Test Project	Scope	ADT	Project Location	Locality		ADT % of Locality	ADT % of Regional	CVTA Members	Population*	Member % of regional pop
					ADT	Pop	Population	Population			
1	Meadowbridge (Hanover) & Richmond-Henrico (Henrico) – widen 2 to 5-lanes from RR to	Road Widening	Henrico side = 7600 Hanover side = 8800	Hanover & Henrico	8,800	102,106	9%	0.8%	Ashland	7,873	0.7%
2	RT 5 (S. Laburnum Rd to E. Main St) Road Improvements	Road Improvements	RT 5 = 9500	Henrico	9,500	334,389	3%	0.8%	Charles City	6,773	0.6%
3	Ashland Rd (Hanover CL to I-64) Widening (2 to 4 lanes)	Road Widening	Ashland = 7000 per TIA, Trip Gen +8,527 veh/day	Goochland	15,527	24,727	63%	1.4%	Chesterfield	364,548	32.5%
4	Ashland Rd and Pouncey Tract Rd Intersection Improvements	Intersection Improvements	W = 7300 E = 5400 S = 6600	Goochland	7,300	24,727	30%	0.7%	Goochland	24,727	2.2%
5	Whitehall Rd and RT 522 Intersection Improvements	Intersection Improvements	W = 2000 N = 5100	Goochland	5,100	24,727	21%	0.5%	Hanover	102,106	9.1%
6	Fairground Rd Extension	New Alignment	Projected ADT = ??? West End = 7000 East End = 9500	Goochland	9,500	24,727	38%	0.8%	Henrico	334,389	29.8%
7	Hermitage Rd (Westwood to Leigh) Reconstruction	Roadway Reconstruction	Hermitage = 14000	Richmond	14,000	226,610	6%	1.2%	New Kent	22,945	2.0%
8	Bridge to Connect Norfolk to Hamilton	New Alignment	Projected ADT = ??? Hamilton = 3800 Norfolk = ?	Richmond	3,800	226,610	2%	0.3%	Powhatan	30,333	2.7%
9	Carnation Street Extension and Cloverleaf Drive Extension under Chippenham Pkwy	New Alignment	Projected ADT = ??? Carnation = 4900 Cloverleaf = 1200	Richmond & Chesterfield	4,900	226,610	2%	0.4%	Richmond	226,610	20.2%
10	RT 33 (Henrico CL to Ashland Rd) Widening (2 to 4 lanes)	Road Widening	RT 33 = 11000	Henrico	11,000	334,389	3%	1.0%	<b>Regional Population = 1,120,304</b>		
11	Woolridge (Genito to Simonsbath) Widening (2 to 4 lanes)	Road Widening	projected ADT = 16000	Chesterfield	16,000	364,548	4%	1.4%	* Census 2020		
12	Center Pointe Pkwy (existing terminus to Old Hundred Rd) Extension	New Alignment	Projected ADT = ??? Center Pointe = 5200	Chesterfield	5,200	364,548	1%	0.5%			
13	River Rd at Pickett Rd Intersection Improvements	Intersection Improvements	W = 4600 E = 7100 S = 8500	Chesterfield	8,500	364,548	2%	0.8%			
14	I-95/54 interchange – widen Rt. 54 from 2-4 lanes btwn I-95 & Ashland/Hanover boundary	Road Widening	RT 54 = 6700	Hanover	6,700	102,106	7%	0.6%			
15	RT 106 at planned business park - add RT and LT turn lanes	Intersection Improvements	RT 106 = 3500	Charles City	3,500	6,773	52%	0.3%			
16	Wilcox Neck - widen to add 1' paved shoulder	Road Widening	Wilcox Neck = 750	Charles City	750	6,773	11%	0.1%			

# CVTA Regional Eligibility

- Copy and paste link to review supporting info

» <https://planrva.maps.arcgis.com/apps/mapviewer/index.html?webmap=ed8e4f61c7ef483fa77051f61f266786>

# CVTA Regional Eligibility - Summary

- After further review...
  - » Too difficult to define reduced eligibility criteria that encompasses all test projects without completely opening eligibility and losing sight of regional impact
  - » Consensus on minimum regional criteria too difficult to define
- Recommendation
  - » Highway project meetings current framework eligibility [arterial and >20,000 ADT], or
  - » Some localities find it difficult to meet regional eligibility for some projects
    - Consider solution: may submit one (1) ineligible project for CVTA regional funding consideration

ID	Project Title	Sponsor	YOE Estimate	Rd 5 Benefit Score	Rd 5 B/C Score	CVTA Regional Leveraged	Total Leveraged	Additional Leverage Needed <sup>(1)</sup>	ROI at Target Leverage	Staff Scenario Funding
9313	Hill Carter Parkway Extension	Ashland Town	\$22,517,888	10.43	4.64		\$ 50,000	\$ -	449.36	Yes
9389	Trolley Line Trail Phase 2	Ashland Town	\$2,462,964	0.05	0.18		\$ -	\$ 2,358,094	0.04	No
9390	Vaughan Road Extended	Ashland Town	\$15,023,420	6.24	4.17		\$ 50,000	\$ 545,638	24.22	No
9394	Green Chimney	Ashland Town	\$11,846,775	6.51	5.51		\$ 50,000	\$ (50,000)	No Leverage Needed	Yes
9014	Route 360 (Woodlake - Otterdale) Widening	Chesterfield County	\$39,745,070	5.28	2.67	\$ 20,000,000	\$ 20,000,000	\$ 7,534,811	0.44	No
9109	Route 60/Route 150 - Interchange Improvements	Chesterfield County	\$35,024,332	5.77	1.65		\$ -	\$ 21,680,974	0.62	No
9111	Belmont Road/Cogbill Road - Roundabout	Chesterfield County	\$8,656,131	1.91	2.20		\$ -	\$ 4,244,776	1.04	No
9154	Route 360/Deer Run Drive/Harbour View Court - RCUT	Chesterfield County	\$22,243,092	10.77	4.84		\$ -	\$ -	No Leverage Needed	Yes
9206	Busy Street Extended	Chesterfield County	\$20,192,537	7.91	3.92		\$ -	\$ 3,148,856	5.41	No
9287	Huguenot Rd at Robious & Cranbeck Capacity & Safety Improvmt	Chesterfield County	\$21,213,068	6.14	2.90		\$ -	\$ 7,006,273	2.03	No
9364	Route 360/Harbour Pointe Pkwy/Mockingbird Ln - RCUT	Chesterfield County	\$20,487,571	6.07	2.97		\$ -	\$ 6,439,809	2.18	No
9409	RT 360/Duckridge/Hancock Village Shopping Center - RCUT	Chesterfield County	\$17,546,227	4.14	2.36		\$ -	\$ 7,964,381	1.20	No
9412	RT 360 at Winterpock Rd/Shopping Center Entrance - RCUT	Chesterfield County	\$21,975,351	6.77	3.08		\$ -	\$ 7,388,453	1.97	No
9413	RT 360 at Spring Run Rd/Temie Lee Pkwy - RCUT	Chesterfield County	\$26,644,615	11.16	4.19		\$ -	\$ 2,603,086	9.24	No
9135	I-64 at Ashland Rd. (Rte. 623) Interchange	Goochland County	\$75,917,941	6.36	1.51	\$ 33,699,829	\$ 33,699,829	\$ 27,641,130	0.24	No
9411	I-64 at Oilville Road (Rte. 617) Interchange	Goochland County	\$7,512,460	1.98	2.87	\$ 606,000	\$ 606,000	\$ 2,327,426	1.56	No
9073	Route 250 at Route 288 Interchange Improvements	Goochland County	\$30,945,914	2.66	0.86		\$ -	\$ 24,796,937	0.25	No

ID	Project Title	Sponsor	YOE Estimate	Rd 5 Benefit Score	Rd 5 B/C Score	CVTA Regional Leveraged	Total Leveraged	Additional Leverage Needed <sup>(1)</sup>	ROI at Target Leverage	Staff Scenario Funding
9445	Hockett Road Re-alignment	Goochland County	\$16,787,222	4.26	40.91		\$ 15,745,325	\$ (8,814,183)	1.42	Yes
9001	C Fall Line Trail with Transit Improvements Manchester Br.	GRTC	\$28,213,185	26.98	10.10	\$ 1,500,000	\$ 1,500,000	\$ (1,500,000)	No Leverage Needed	Yes
9108	Route 60 (Ruthers Rd - Providence Rd) Pedestrian Improvemnts	GRTC	\$10,951,557	5.29	4.83		\$ -	\$ 3,695,312	1.96	No
9302	Rt 1 (Rt 10 to Brightpoint Comm College) Transit Access Impr	GRTC	\$10,277,469	2.83	2.76		\$ -	\$ 6,390,299	0.61	No
9376	Rt 1 (Osborne Rd - Moores Lake Rd) Transit Access Improvemts	GRTC	\$10,523,898	2.01	1.91		\$ -	\$ 7,768,771	0.35	No
9385	Brook Road Improvements - Azalea Ave to Brook Run Shopping	GRTC	\$21,499,008	4.95	2.30		\$ -	\$ 14,706,352	0.46	No
9386	Nine Mile Road - Dabbs House Road to Laburnum Avenue	GRTC	\$28,815,273	4.19	1.45		\$ -	\$ 23,071,393	0.25	No
9415	S. Laburnum Ave Ped Improvements - Thornhurst St to Gay Ave	GRTC	\$12,611,366	3.91	3.10		\$ -	\$ 7,247,322	0.74	No
9045	Greenwood Church/Blanton/Ashland/Ash cake Roads Roundabout	Hanover County	\$6,997,049	0.61	1.25		\$ 2,127,855	\$ 3,466,778	0.25	No
9050	Rt. 54 Left Turn Lane at Goddins Hill Rd	Hanover County	\$5,060,708	0.81	2.29		\$ 1,534,943	\$ 1,658,808	0.58	No
9085	Creighton Rd LTLs at Sledd's Lake Rd & Tammy Ln	Hanover County	\$4,215,689	0.80	1.90		\$ -	\$ 2,362,341	0.78	No
9043	W Broad Street Short Pump	Henrico County	\$25,999,970	24.79	10.89	\$ 3,230,000	\$ 3,230,000	\$ (3,230,000)	No Leverage Needed	Yes
9041	Staples Mill Road Improvements	Henrico County	\$32,135,419	19.26	7.28	\$ 5,670,000	\$ 5,670,000	\$ (5,670,000)	No Leverage Needed	Yes
9042	Springfield Road Improvements	Henrico County	\$15,888,305	6.48	4.32		\$ 900,000	\$ 411,323	11.12	No
9044	Carolina Avenue Improvements	Henrico County	\$34,784,879	5.63	1.62		\$ -	\$ 21,775,146	0.60	No



ID	Project Title	Sponsor	YOE Estimate	Rd 5 Benefit Score	Rd 5 B/C Score	CVTA Regional Leveraged	Total Leveraged	Additional Leverage Needed <sup>(1)</sup>	ROI at Target Leverage	Staff Scenario Funding
9046	Route 60/Route 33/Beulah Rd Roundabout & Gateway Project	Henrico County	\$13,222,320	5.08	3.84		\$ -	\$ 1,476,576	7.95	No
9049	E. Parham Road Improvements - I-95 to Cleveland St	Henrico County	\$14,480,767	6.14	4.24		\$ -	\$ 292,495	48.51	No
9062	Glenside Drive/Horsepen Road Safety Improvements	Henrico County	\$17,207,282	4.12	2.39		\$ -	\$ 7,678,208	1.24	No
9086	Gaskins Road @ I-64 (Southern Quad Partial Cloverleaf)	Henrico County	\$62,415,185	3.22	0.52		\$ -	\$ 54,963,270	0.14	No
9420	Gaskins Road Interchange @ I-64 (North Quad & Aux Lanes)	Henrico County	\$56,679,181	4.10	0.72		\$ -	\$ 47,193,236	0.20	No
9458	S. Laburnum Ave - Gay Ave Thru Cut	Henrico County	\$5,151,501	3.19	6.19		\$ -	\$ -	No Leverage Needed	Yes
9325	Route 288 Northbound - Hard Shoulder Running	PlanRVA	\$39,561,735	22.00	9.34	\$ 8,000,000	\$ 16,000,000	\$ (6,668,366)	3.24	Yes
9422	Parham Rd Ped Improvements Holly Hill Rd to Three Chopt Rd	PlanRVA	\$12,282,481	7.81	6.36		\$ -	\$ 1,544,052	6.95	No
9416	Route 360/I-64 Interchange Reconfiguration	PlanRVA	\$15,523,933	9.38	6.04		\$ -	\$ 2,630,173	4.90	No
9267	I-95/Willis Road - Interchange Improvements	PlanRVA	\$135,638,008	10.13	0.75		\$ -	\$ 121,717,285	0.11	No
9371	U.S. Route 60 at State Route 13/603 RCUT	Powhatan County	\$8,642,508	2.22	3.42		\$ 2,160,627	\$ 1,358,061	1.46	No
9372	Dorset Road, Batterson Road & Route 60 RCUT	Powhatan County	\$8,461,236	1.11	1.75		\$ 2,115,309	\$ 3,774,280	0.44	No
9378	New Dorset Road & Route 60 RCUT	Powhatan County	\$7,841,123	1.46	2.47		\$ 1,960,281	\$ 2,515,530	0.75	No
9430	U.S. Route 60 at Red Lane Road: Continuous Green-T	Powhatan County	\$6,539,006	0.40	0.82		\$ 1,634,752	\$ 3,973,058	0.17	No
8929	B US360 Hull Street Phase II	Richmond City	\$21,067,622	5.73	4.14	\$ 6,291,851	\$ 7,249,581	\$ 578,747	1.69	No
8930	C Forest Hill Avenue Phase II Improvements	Richmond City	\$39,622,772	6.68	2.68	\$ 14,645,821	\$ 14,645,821	\$ 10,399,969	0.58	No

ID	Project Title	Sponsor	YOE Estimate	Rd 5 Benefit Score	Rd 5 B/C Score	CVTA Regional Leveraged	Total Leveraged	Additional Leverage Needed <sup>(1)</sup>	ROI at Target Leverage	Staff Scenario Funding
8928	A Gillies Creek Greenway	Richmond City	\$5,340,700	9.15	17.12		\$ -	\$ -	No Leverage Needed	Yes
8931	D Clay Street Streetscape Improvements	Richmond City	\$18,770,662	17.67	9.41		\$ -	\$ -	No Leverage Needed	Yes
8933	E Belt Boulevard (SR161) Streetscape	Richmond City	\$36,862,887	7.11	1.93		\$ -	\$ 21,554,947	0.71	No
8934	F Hey Road Streetscape	Richmond City	\$20,061,265	2.68	1.99		\$ 6,600,000	\$ 7,263,353	0.45	No
8936	H Norfolk Street Bridge Connection	Richmond City	\$41,830,387	11.67	2.79		\$ -	\$ 16,704,183	1.50	No
8937	I Commerce Road Streetscape	Richmond City	\$20,331,645	4.35	2.25		\$ 1,000,000	\$ 9,263,685	0.98	No
8938	J Hull Street Shared Use Path Improvements	Richmond City	\$11,027,213	7.24	9.02		\$ 3,000,000	\$ (3,000,000)	No Leverage Needed	Yes
9257	Nine Mile Road - Gordons Lane to Dabbs House Road	RRTPO	\$12,297,545	4.66	3.79		\$ -	\$ 5,414,844	1.27	No
9241	Williamsburg Road - Randall Avenue to Charles City Road	RRTPO	\$17,651,980	2.91	1.65		\$ -	\$ 13,353,133	0.32	No
9270	I-95/Route 10 Interchange Improvement, Phase II	RRTPO	\$48,786,841	3.42	1.08	\$ 17,086,282	\$ 17,086,282	\$ 26,647,429	0.12	No
8927	SB 288 HSR Lane - West Creek Parkway to Route 711	RRTPO	\$57,898,083	16.28	3.04	\$ 4,372,138	\$ 4,372,138	\$ 31,156,526	0.63	No
9240	W Broad Street Intersection Improvements at Parham Road	RRTPO	\$13,835,131	6.93	6.17	\$ 2,611,000	\$ 2,611,000	\$ 1,703,075	2.21	No
9162	Route 360 at Brad McNeer - Continuous Green-T	RRTPO	\$12,429,941	8.94	7.19		\$ -	\$ 145,229	84.59	No
8944	I-64 Gap: Exit 205 to Exit 211	RRTPO	\$195,302,750	17.61	1.85	\$ 100,000,000	\$ 100,000,000	\$ 71,095,718	0.14	No
9010	B Fall Line Trail - Commerce Road Phase II	RRTPO	\$70,549,453	14.48	3.32	\$ 27,000,000	\$ 27,000,000	\$ 23,654,102	0.39	No
9009	A Broad Street Streetscape w/ Pulse BRT Expansion Phase III	RRTPO	\$23,852,736	25.82	17.16	\$ 8,800,000	\$ 8,800,000	\$ (8,800,000)	No Leverage Needed	Yes

(1) Steps to identify target leverage: (i) Identify lowest score where sufficient funding remaining in District Grant or High Priority Projects pot as appropriate based on staff scenario and actual leverage; (ii) Using the project benefit score, calculate Smart Scale request amount needed to get to score; (iii) Subtract actual leverage from target leverage to determine additional leverage needed. This process was iterated based on the revised request until the result stabilized.