

Richmond Regional  
**Transportation  
Planning  
Organization**

SUPPORTED BY **PlanRVA**  
THE REGIONAL  
COMMISSION



## Constrained List of Projects

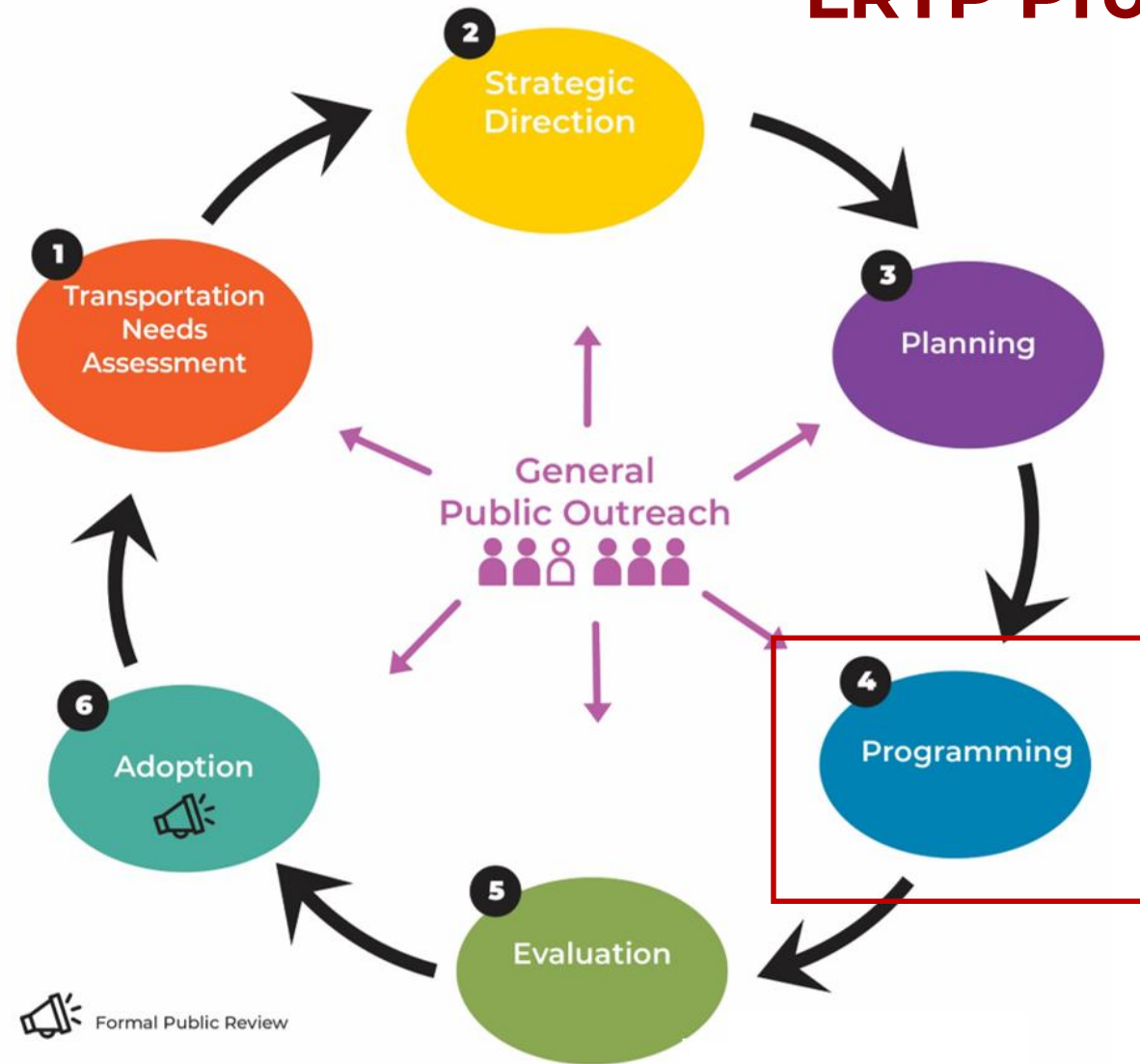
**RRTPO Policy Board Meeting  
July 1, 2021**

**Presentation by:**

**Sulabh Aryal, AICP**

**Transportation Planning Manager**

# L RTP Process Flow



# Action Requested

**RESOLVED**, that the RRTPO Policy Board approves the draft 'Constrained List of Projects' for the ConnectRVA 2045 Long-Range Transportation Plan as presented by staff.

**FURTHER RESOLVED**, that the RRTPO Policy Board approves the Constrained List of Projects in the ConnectRVA 2045 Long-Range Transportation Plan and ungrouped projects of FY21-24 Transportation Improvement Plan (TIP) as RRTPO projects for air quality conformity analysis as required by federal regulations (23 CFR § 450.326) and authorizes the Technical Advisory Committee (TAC) to review the draft regional conformity report and open the public review and comment period as needed.

# Phase 4: Programming

Objective – Develop the Fiscally Constrained List of Regionally Significant Transportation Projects

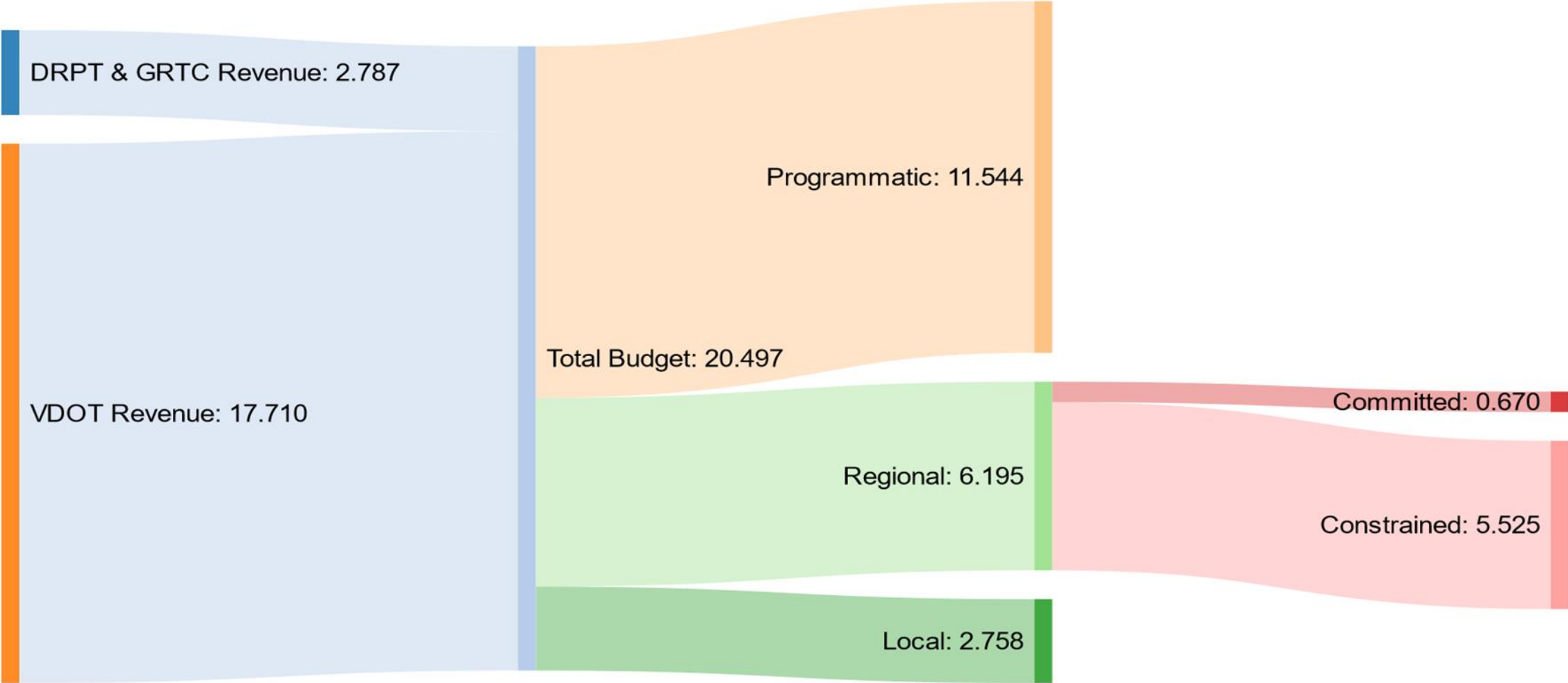
Fiscal Constraint - Comparison of Revenues and Cost and Demonstration of sufficient revenues to

1. Operate and Maintain the Existing Transportation System
2. Fund Local Projects/Priorities
3. Implement proposed Transportation System Improvements -  
Universe of Projects – If funds are not sufficient – **Prioritize**

# Constrained Plan Development Process



# Constrained Budget



\*All Values are in Billions of Dollars

# Project Scoring and Evaluation Process

- Scoring process comply with Performance-Based Planning and Programming (PBPP) as required by Federal regulations.
- Data Driven, Transparent and Understandable process which leaves no room for personal judgement or subjective nature of scoring.
- Score is not based on better project description or the severity of the current condition but the actual merit/performance of the project implementation.
- Fair for all regions (Urban, Sub-Urban, Rural) and modes of transportation.
- Relative scoring with a cost-benefit element.
- Each project evaluated by 15 performance measures which assessed the degree to which any project implementation will advance the Policy Board approved Vision, Goals and Objectives.
- Vetted by the LRTP-AC.



# Project Scoring and Evaluation Process

ConnectRVA 2045			
Goals	Project Performance Measure	PM Weights	Goal Weights
Safety	Crash Frequency	17.50%	25.00%
	Crash Rate	7.50%	
Mobility	Person Throughput	7.50%	15.00%
	Person Hours of Delay	7.50%	
Equity and Accessibility	Access to Jobs	7.50%	25.00%
	Access to Jobs (EJ)	5.00%	
	Access to Destinations	7.50%	
	Access to Destinations (EJ)	5.00%	
Economic Development	Job Growth	7.50%	15.00%
	Connection to Truck Intensive Areas	3.75%	
	Truck Throughput	3.75%	
Environment/ Land Use	Sensitive Features	5.00%	20%
	Air Pollution	5.00%	
	VMT per Capita	5.00%	
	Connection to Activity Center	5.00%	

# Public Review and Comments

- Review and Comment Period – June 2, 2021, to June 17, 2021
- Comments Received
  - Wikimap – 133
  - Direct Email – 10
  - ConnectRVA 2045 Website – 7
  - Total 150 Comments
- Unique Individuals - 39
- Comments can normally be summarized into three major categories
  - Support of the Specific Projects (40%)
  - Opposition of the Specific Projects (44%)
  - Generic suggestions/comments/questions/misc. (16%)
- No major support/opposition
- Documented in the staff report

# Staff Recommended Constrained List of Projects

Time Band	Fiscal Years	# of Projects	Inflated Cost
<b>Committed List</b>			
1	FY22-FY27	62*	\$466,787,410
<b>Constrained List</b>			
1	FY22-FY27	69	\$669,115,000
2	FY28-FY33	65	\$1,195,813,000
3	FY34-FY39	35	\$1,670,164,000
4	FY40-FY45	25	\$1,987,664,000
<b>Total (All Time Bands)</b>	<b>FY22-FY45</b>	<b>194</b>	<b>\$5,522,756,000</b>

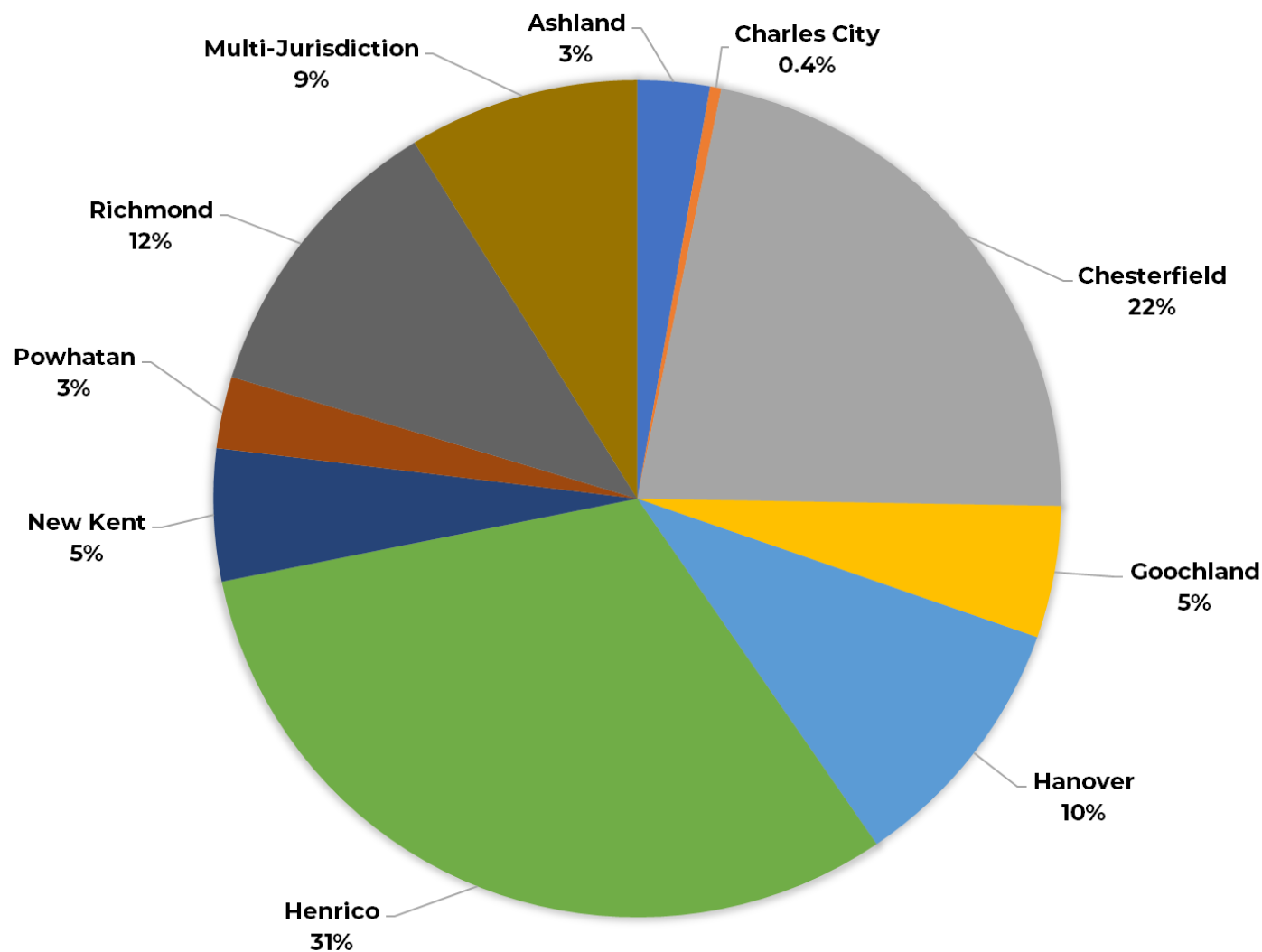
<b>SGR Project List</b>			
Time Band	Fiscal Years	# of Projects	Inflated Cost
NA	NA	16	\$294,408,000

# Vision List of Projects

Vision List			
Project Type	# of Projects	Project Total Cost (2020 Dollars)	Project Total Cost (Inflated to 2030 Dollars)
Highway, Transit, Active Transportation and Park and Ride	40	\$ 2,057,899,500	\$ 2,634,288,000
Rail	9	\$ 1,372,940,000	\$ 1,757,480,000
<b>Total</b>	<b>49</b>	<b>\$ 3,430,839,500</b>	<b>\$ 4,391,768,000</b>

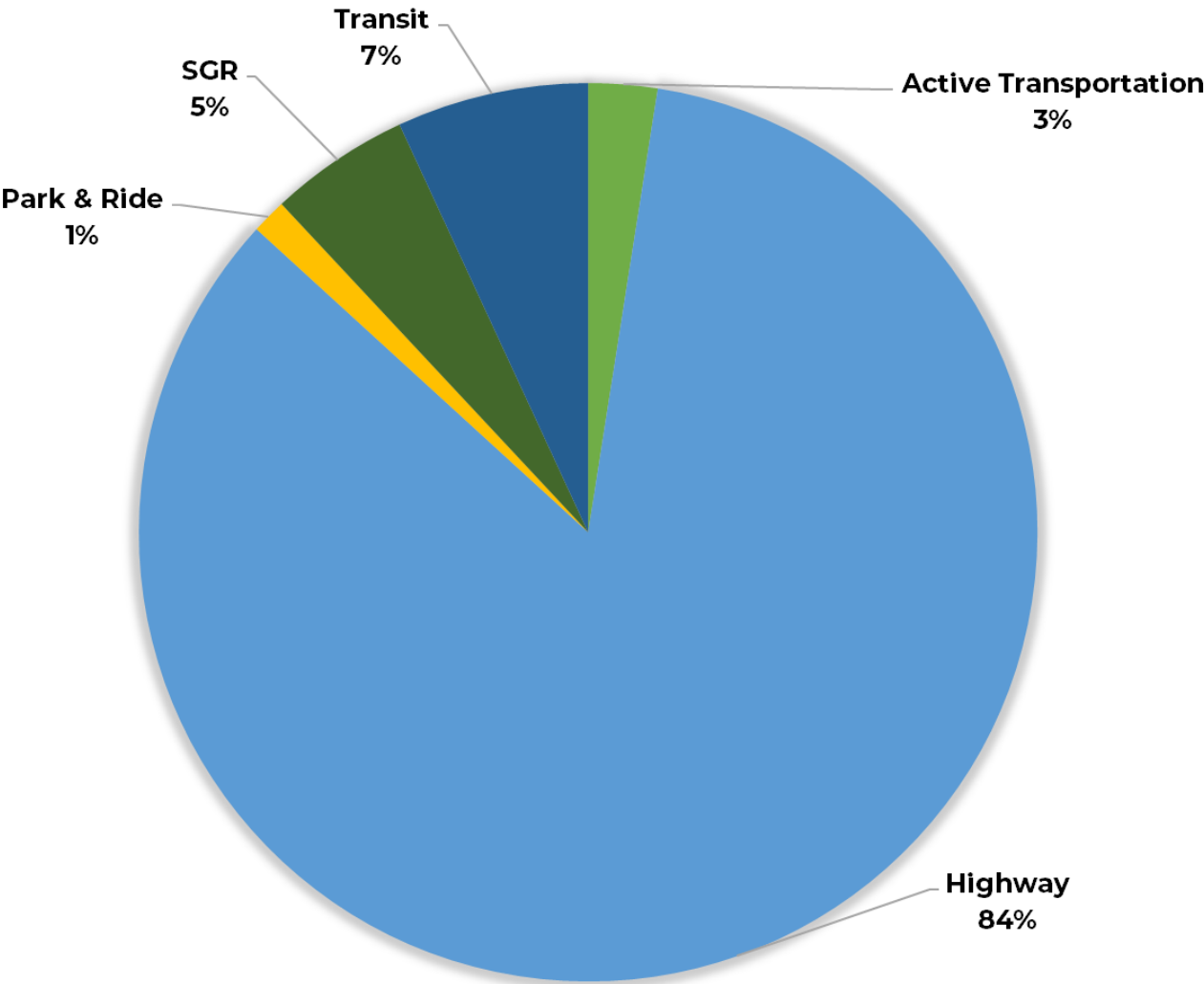
# Staff Recommended Constrained List of Projects

CONSTRAINED PLAN FUNDING ALLOCATION BY JURISDICTION



# Staff Recommended Constrained List of Projects

CONSTRAINED PLAN FUNDING ALLOCATION BY PROJECT TYPE



# Air Quality Conformity

- As part of the ConnectRVA 2045 process, the Richmond-Petersburg Area is required to demonstrate Conformity under the Clean Air Act.
- Projects from ConnectRVA 2045 (Constrained List) and FY21-FY24 TIP will constitute RRTPO set of projects for conformity analysis.
- Must undergo public review process before adoption.
- Policy Board to authorize TAC to review draft conformity report and open the public review.
- Policy Board to adopt the draft Conformity Report in their August meeting.

# Action Requested

**ConnectRVA 2045 Advisory Committee RECOMMENDATION:** ConnectRVA 2045 AC reviewed the draft constrained list of projects and approved it as presented by staff.

**STAFF RECOMMENDATION:** Staff recommends approval of the draft Constrained List of Projects as presented.

**RESOLVED**, that the RRTPO Policy Board approves the draft 'Constrained List of Projects' for the ConnectRVA 2045 Long-Range Transportation Plan as presented by staff.

**FURTHER RESOLVED**, that the RRTPO Policy Board approves the Constrained List of Projects in the ConnectRVA 2045 Long-Range Transportation Plan and ungrouped projects of FY21-FY24 Transportation Improvement Plan (TIP) as RRTPO projects for air quality conformity analysis as required by federal regulations (23 CFR § 450.326) and authorizes the Technical Advisory Committee (TAC) to review the draft regional conformity report and open the public review and comment period as needed.



# Connect RVA 2045



## Website

[www.connectrva2045.org](http://www.connectrva2045.org)

## Contact Information

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