



MINUTES

The August Policy Board meeting of the Roanoke Valley Transportation Planning Organization was held on Thursday, August 26, 2021 at 1:00 p.m. at the Roanoke Valley-Alleghany Regional Commission office, 313 Luck Avenue, SW, Roanoke, VA.

VOTING MEMBERS PRESENT

Steve Clinton	Botetourt County
Billy Martin, <i>Chair</i>	Botetourt County
Phil North, <i>Vice Chair</i>	Roanoke County
David Radford	Roanoke County
Robert Jeffrey	City of Roanoke
Stephanie Moon Reynolds	City of Roanoke
Ken King	Virginia Dept. of Transportation – Salem District
Daniel Sonenklar (<i>remotely</i>)	Va. Dept. of Rail and Public Transportation

VOTING MEMBERS ABSENT

Mickey Johnson	Bedford County
Steve Fijalkowski	Montgomery County
Renee Turk	City of Salem
Bill Jones	City of Salem
Keith Liles	Town of Vinton
Mike Stovall	Town of Vinton
Kevin Price	Greater Roanoke Transit Company (Valley Metro)

TPO NON-VOTING MEMBERS PRESENT

Jon Lanford	Botetourt County
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Others Present: Megan Cronise, Roanoke County; Anthony Ford, Virginia Department of Transportation - Salem District; Michael Gray, Virginia Department of Transportation- Salem District; and Anita McMillan, Town of Vinton.

Staff Present: Bryan Hill, Jeremy Holmes, William Long, Eddie Wells, Rachel Ruhlen and Virginia Mullen.

1. WELCOME, CALL TO ORDER, ROLL CALL

Chair Martin called the meeting to order at 1:00 p.m. A quorum was present.

TPO POLICY BOARD: Cities of Roanoke and Salem; Counties of Bedford, Botetourt, Montgomery and Roanoke; Town of Vinton; Greater Roanoke Transit Company (*Valley Metro*); Roanoke-Blacksburg Regional Airport; Virginia Department of Rail & Public Transportation; Virginia Department of Transportation

Chair Martin reported that Mr. Dan Sonenklar, representing the Virginia Department of Rail and Public Transportation, requested to participate remotely in meetings of the Roanoke Valley Transportation Planning Organization under the TPO's Policy for Electronic Meeting Participation, allowing for remote participation when a member's primary residence is more than sixty miles away, and a physical quorum is present. Mr. Sonenklar's request was made for the remainder of the fiscal year unless otherwise noted. No objection was voiced. Chair Martin approved Mr. Sonenklar's request via unanimous consent.

2. APPROVAL OF CONSENT AGENDA ITEMS

The following consent agenda items were distributed earlier:

- A. August 26, 2021 RVTPO Meeting Agenda
- B. July 22, 2021 RVTPO Minutes

Motion: by Phil North for approval of Consent Agenda Item A & B, as presented. The motion was seconded by Mr. Jeffrey.

RVTPO Policy Board Action: Motion carried unanimously.

3. REMARKS BY THE CHAIR

- Chair Martin reminded the Surface Transportation Block Grant (STBG) applications for Round 5 are due September 24th. The estimated budget for committed or conditionally committed funding is \$14.8 million.
- Chair Martin commented that the Commission is watching the progress of the federal infrastructure bill as it makes its way through the House after recently being passed by the Senate. Though the final shape of the bill has yet to be determined, it currently contains over \$550 billion in new infrastructure spending, including broadband, highway, and public transportation investments. It is expected the bill will include a one-time additional allocation to our regional STBG program, which could become available for programming in the spring of 2022.

4. REVIEW OF UPDATE TO THE REGIONAL STUDY ON TRANSPORTATION PROJECT PRIORITIZATION FOR ECONOMIC DEVELOPMENT AND GROWTH

Mr. Wells presented the updated Regional Study on Transportation Project Prioritization for Economic Development and Growth, that includes the edits that were suggested at the last TPO meeting: move the recommended project priority list to the beginning of the document and develop a marketing brochure. Mr. Wells noted that Ms. Finch will present the brochure. No additional edits were requested.

5. REVIEW OF DRAFT AMENDMENT TO THE ROANOKE VALLEY TRANSPORTATION PLAN

Cristina Finch reported that a draft amendment to the Roanoke Valley Transportation Plan was distributed with the agenda packet. Ms. Finch highlighted the main changes. Ms. Finch also added that the TTC had reviewed the document and their feedback had been

incorporated. Ms. Finch asked the Board to review the plan amendment and release it for public comment and public hearing planned for the September meeting.

Mr. Radford suggested that the transportation priorities brochure should be redesigned- maybe smaller format and make the projects more distinguished and easier to read. Mr. North suggested the size of the brochure to be as big as a large index card.

Motion: by David Radford to release the presented Roanoke Valley Transportation Plan amendment for public comment. The motion was seconded by Mr. Jeffrey.

RVTPO Policy Board Action: Motion carried unanimously.

6. **PRESENTATION ON HISTORICAL ANALYSIS AND POTENTIAL FUTURE STRATEGIES OF SMART SCALE IN THE RVTPO SERVICE AREA**

William Long reported that staff has prepared an updated historical and comprehensive analysis of FY22 round of applications and went over the presentation. (The PowerPoint presentation is included with the Minutes.)

7. **OTHER BUSINESS**

No other business was discussed.

8. **COMMENT PERIOD BY RVTPO POLICY BOARD MEMBER AND/OR PUBLIC**

No comments were made.

The meeting adjourned at 1:53 p.m.


Jeremy Holmes, Secretary
Roanoke Valley Transportation Planning Organization

SMART SCALE ROUND 4

An analysis of SMART SCALE Round 4 in the RVTPO service area



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SMART SCALE FUNDING IN ROUND 4

DGP Funds available

VDOT District	DGP Funding available	% of total DGP funds	% of state population
Richmond	\$118,716,865	13.8%	15.6%
Hampton Roads	\$115,601,411	13.4%	20.7%
Culpeper	\$112,856,880	13.1%	5.0%
Lynchburg	\$111,952,581	13.0%	4.6%
Northern Virginia	\$106,385,891	12.3%	29.6%
Salem	\$103,311,186	12.0%	8.1%
Bristol	\$71,371,134	8.3%	4.0%
Fredericksburg	\$68,183,300	7.9%	5.8%
Staunton	\$52,991,396	6.2%	6.6%
Total	\$861,341,039	100%	100%

HPPP funds

\$490 million for statewide competition of HPPP-eligible projects

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CHANGE IN DGP FUNDS RDS. 1-4

District	Round 1 (FY 17)		Round 2 (FY 18)		Round 3 (FY 20)		Round 4 (FY 22)	
	DGP Available	% of total	DGP Available	% of total	DGP Available	% of total	DGP Available	% of total
Northern Virginia	\$183,055,970	20.7%	\$89,403,058	23.4%	\$98,064,652	23.1%	\$106,355,895	12.3%
Hampton Roads	\$178,033,507	20.2%	\$86,791,093	22.7%	\$93,829,044	19.4%	\$115,601,411	13.4%
Richmond	\$127,411,522	14.4%	\$56,176,746	14.7%	\$67,368,537	15.9%	\$118,716,865	13.8%
Salem	\$84,868,412	9.6%	\$32,633,500	8.5%	\$37,988,254	9.0%	\$103,311,186	12.0%
Staunton	\$68,917,727	7.8%	\$24,270,367	6.4%	\$29,688,863	7.0%	\$52,991,786	6.2%
Fredericksburg	\$60,504,406	6.9%	\$26,409,641	6.9%	\$32,074,604	7.6%	\$68,183,300	7.9%
Culpeper	\$54,872,548	6.2%	\$19,910,405	5.2%	\$24,574,905	5.8%	\$112,856,880	13.1%
Lynchburg	\$63,096,980	7.1%	\$25,297,175	6.6%	\$27,083,771	6.4%	\$111,952,581	13.0%
Bristol	\$62,239,019	7.0%	\$21,210,894	5.6%	\$25,199,298	5.9%	\$71,371,134	8.3%
TOTAL	\$883,000,000	100.0%	\$382,102,879	100.0%	\$435,760,928	100.0%	\$861,341,039	100%

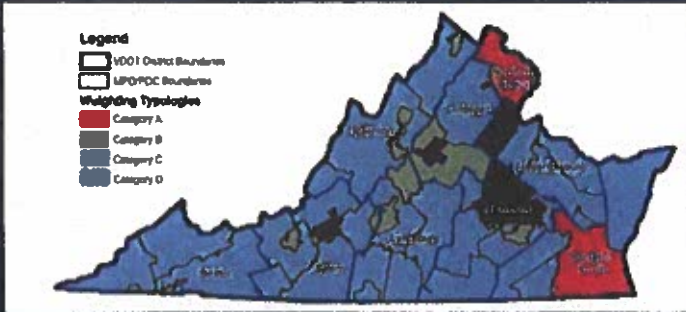
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CHANGE IN HPPP FUNDS RDS. 1-4

District	Round 1 (FY 17)		Round 2 (FY 18)		Round 3 (FY 20)		Round 4 (FY 22)	
	HPPP Awarded	% of total	HPPP Awarded	% of total	HPPP Awarded	% of total	HPPP Awarded	% of total
Northern Virginia	\$339,798,423	40.8%	\$287,625,771	43.7%	\$107,099,719	24.6%	\$113,921,809	23.3%
Hampton Roads	\$154,384,282	18.5%	\$150,334,113	22.8%	\$229,669,466	52.8%	\$50,835,147	10.4%
Richmond	\$72,351,951	8.7%	\$90,390,348	13.7%	\$24,850,543	5.7%	\$62,768,311	12.8%
RVTPD area	\$18,310,387	2.2%	\$38,338,799	5.8%	\$10,142,918	2.3%	\$9,090,977	1.9%
Rest of Salem	\$10,262,390	1.2%	\$0	--	\$2,979,888	0.7%	\$29,240,493	6.0%
Staunton	\$36,855,128	4.4%	\$16,434,253	2.5%	\$14,006,257	3.2%	\$27,092,335	5.5%
Fredericksburg	\$144,115,767	17.3%	\$23,528,870	3.6%	\$21,450,744	4.9%	\$40,128,406	8.2%
Culpeper	\$25,559,585	3.1%	\$36,670,555	5.6%	\$7,007,394	1.6%	\$51,307,790	10.5%
Lynchburg	\$22,668,708	2.7%	\$12,630,159	1.9%	\$8,149,545	1.9%	\$38,659,408	7.9%
Bristol	\$8,925,584	1.1%	\$2,817,806	0.4%	\$9,779,759	2.2%	\$16,816,599	3.4%
Multi	--	--	--	--	--	--	\$50,000,000	10.2%
TOTAL	\$833,232,205	100%	\$658,770,674	100%	\$435,136,230	100%	\$489,961,275	100%

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WEIGHTING TYPOLOGIES IN VIRGINIA



Category	Congestion mitigation	Economic development	Accessibility	Safety	Environmental quality	Land use
A	45%	5%	15%	5%	10%	20%
B	15%	20%	20%	20%	10%	10%
C	15%	25%	25%	25%	10%	-
D	10%	35%	15%	30%	10%	-

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FACTOR MEASURES AND WEIGHTING

Factor	Weighting	Measure	Measure Value	Weighting
Congestion Mitigation	15%	Increase in peak period throughput	Persons	50%
		Reduction in peak period delay	Person hours	50%
Economic Development	20%	Square feet of commercial and industrial space supported	Adjust square feet	60%
		Tons of goods impacted	Daily tons	20%
		Improvement in travel time reliability	Adjusted buffer time index	20%
Accessibility	25%	Increase in access to jobs	Jobs per resident	60%
		Increase in access to jobs for disadvantaged populations	Jobs per resident	20%
		Increase in access to multimodal travel choices	Adjusted users	20%
Safety	20%	Reduction in fatal and injury crashes	EPDO	70%
		Reduction in fatal and injury crash rate	EPDO / 100 M VMT	30%
Environment	10%	Improvement to air quality	Adjusted points	100%
		Impact to natural resources	Impacted acres	-
Land Use	10%	Support of transportation-efficient land development	Access x Population/employment density	50%
		Support of future transportation-efficient land development	Access x population/employment density change	50%

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ROUND 4 PERFORMANCE

By VDOT district

District	Projects submitted	Projects funded	Funding requested	Amount funded	% funded of total request
RVTPO area	19	15	\$158,174,939	\$75,570,309	47.8%
Virginia	405	167	\$7,295,394,412	\$1,387,462,277	19.0%
Salem	60	29	\$628,876,611	\$142,743,745	22.7%
Bristol	34	17	\$212,172,128	\$90,211,409	42.5%
Culpeper	38	21	\$374,425,459	\$164,211,832	43.9%
Fredericksburg	36	12	\$861,778,592	\$113,315,075	13.1%
Hempton Roads	53	24	\$1,221,258,893	\$168,391,850	13.8%
Lynchburg	30	11	\$488,118,686	\$154,461,736	31.6%
Northern Virginia	31	11	\$2,621,283,673	\$238,380,808	9.1%
Richmond	78	19	\$936,481,633	\$186,657,723	19.9%
Staunton	45	22	\$421,026,737	\$19,068,098	4.5%
Multi	1	1	\$50,000,000	\$50,000,000	100.0%

By RVTPO locality

Organization	Projects submitted	Funding requested	Projects funded	Funding amount	% of request
Botetourt County	2	\$19,035,828	1	\$7,623,347	40.0%
Roanoke County	4	\$43,294,893	3	\$24,042,769	55.5%
Roanoke City	4	\$15,724,159	4	\$15,724,159	100.0%
Salem City	4	\$11,689,276	4	\$11,689,276	100.0%
Vinton Town	1	\$7,399,781	1	\$7,399,781	100.0%
Valley Metro	0	\$0	0	\$0	0.0%
RVARC*	1	\$28,225,261	0	\$0	0.0%
RVTPO	3	\$37,805,740	2	\$9,090,976	23.9%
TOTAL	19	\$158,174,939	15	\$75,570,309	47.8%

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WHAT GOT FUNDED?

Organization	Project title	Total project cost	SS funding	DGP/HPPP
Botetourt County	US 460 / Laymantown Rd Intersection Improvement	\$7,623,347	\$7,623,347	DGP
Salem	Downtown Salem - College Avenue Improvements	\$3,017,132	\$2,469,332	DGP
	Downtown Salem - Market Street Intersection Improvements	\$2,311,825	\$2,311,825	DGP
	Apperson Drive (Rt 11) and Orchard Intersection Improvements	\$2,387,558	\$2,387,558	DGP
	Roanoke River Greenway Golden Spike	\$4,520,561	\$4,520,561	DGP
RVTPO	Route 460 Intersections from Carson Rd. to Huntridge Rd.	\$2,766,831	\$2,339,028	HPPP
	Route 460 at West Ruritan Road Intersection Improvements	\$7,537,497	\$6,751,948	HPPP
Roanoke City	Route 460 (Orange Ave) Improvements Seibel Dr/ Hickory Woods	\$436,731	\$436,731	DGP
	Valley View Blvd / Aviation Drive Pedestrian Improvements	\$7,178,491	\$5,928,491	DGP
	Route 460 (Orange Ave) Improvements near Blue Hills Drive	\$5,580,213	\$4,903,493	DGP
	Route 460 (Orange Ave) Improvements at King Street	\$5,005,724	\$4,455,444	DGP
Roanoke County	Starkey Road/Buck Mountain Road Intersection Improvements	\$5,841,480	\$2,583,365	DGP
	Valleypointe Parkway Realignement	\$9,837,072	\$7,337,072	DGP
	Route 419 Streetscape Improvements, Phase 2	\$18,469,482	\$14,122,332	DGP
Vinton	Walnut Avenue Corridor Improvements Phase 3 Project	\$7,339,781	\$7,399,781	DGP

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TRANSPORTATION ISSUES BEING ADDRESSED BY SMART SCALE ROUND 4



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TRANSPORTATION ISSUES BEING ADDRESSED BY SMART SCALE ROUND 4



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TRANSPORTATION ISSUES BEING ADDRESSED BY SMART SCALE ROUND 4



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TRANSPORTATION ISSUES BEING ADDRESSED BY SMART SCALE ROUND 4



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TRANSPORTATION ISSUES BEING ADDRESSED BY SMART SCALE ROUND 4



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IMPACT OF SMART SCALE REQUEST

SMART SCALE scoring formula

$$\text{SMART SCALE score} = \frac{\text{Benefit score}}{\left(\frac{\text{SMART SCALE request}}{\$10,000,000} \right)}$$

Importance of low request

- In the RVTPO area, the average request for funded project was \$5 million
 - Average for unfunded: \$20 million
- In the Salem District, only three of the 20 most expensive projects were funded.
 - Only two of the 20 highest requests were funded.
- In Virginia, the two most expensive funded projects requested just 24% of the total project cost.

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SMART SCALE SCORE TABLE

Smart Scale Request (\$ million)

Project Benefit Score

1.0	0.37	0.36	0.40	0.42	0.43	0.45	0.48	0.50	0.52	0.56	0.59	0.60	0.67	0.71	0.77	0.83	0.91	1.00	1.11	1.25	1.43	1.67	2.00	2.50	3.33	5.00	10.00
1.5	0.56	0.54	0.60	0.63	0.65	0.68	0.71	0.75	0.79	0.83	0.88	0.94	1.00	1.07	1.15	1.25	1.35	1.50	1.67	1.86	2.14	2.50	3.00	3.75	5.00	7.50	15.00
2.0	0.74	0.77	0.80	0.81	0.87	0.91	0.95	1.00	1.05	1.11	1.18	1.25	1.31	1.41	1.54	1.67	1.82	2.00	2.22	2.50	2.86	3.33	4.00	5.00	6.67	10.00	20.00
2.5	0.93	0.96	1.00	1.04	1.09	1.14	1.19	1.25	1.32	1.39	1.47	1.56	1.67	1.79	1.92	2.04	2.27	2.50	2.78	3.13	3.57	4.17	5.00	6.25	8.33	12.50	25.00
3.0	1.11	1.13	1.20	1.23	1.30	1.36	1.43	1.50	1.58	1.67	1.76	1.88	2.00	2.14	2.31	2.50	2.73	3.00	3.33	3.75	4.34	5.00	6.00	7.50	10.00	15.00	30.00
3.5	1.30	1.35	1.40	1.46	1.52	1.59	1.67	1.75	1.84	1.94	2.06	2.19	2.31	2.50	2.69	2.92	3.18	3.50	3.88	4.38	5.00	5.83	7.00	8.75	11.67	17.50	35.00
4.0	1.48	1.54	1.60	1.67	1.74	1.82	1.90	2.00	2.11	2.23	2.35	2.50	2.67	2.86	3.00	3.21	3.64	4.00	4.44	5.00	5.71	6.67	8.00	10.00	13.33	20.00	40.00
4.5	1.67	1.73	1.80	1.86	1.96	2.05	2.14	2.25	2.37	2.50	2.65	2.81	3.00	3.18	3.48	3.75	4.00	4.50	5.00	5.63	6.43	7.50	9.00	11.25	15.00	22.50	45.00
5.0	1.85	1.92	2.00	2.08	2.17	2.27	2.38	2.50	2.63	2.78	2.94	3.13	3.33	3.57	3.83	4.17	4.50	5.00	5.56	6.25	7.14	8.33	10.00	12.50	16.67	25.00	50.00
5.5	2.04	2.12	2.20	2.29	2.39	2.50	2.62	2.75	2.89	3.04	3.24	3.44	3.67	3.91	4.23	4.58	5.00	5.56	6.11	6.86	7.66	9.17	11.00	13.75	18.33	27.50	55.00
6.0	2.22	2.31	2.40	2.50	2.61	2.73	2.86	3.00	3.16	3.33	3.51	3.75	4.00	4.29	4.60	5.00	5.45	6.00	6.61	7.50	8.57	10.00	12.00	15.00	20.00	30.00	60.00
6.5	2.41	2.50	2.60	2.71	2.83	2.95	3.10	3.25	3.42	3.61	3.81	4.06	4.33	4.64	5.00	5.48	5.91	6.56	7.22	8.13	9.29	10.83	13.00	16.25	21.67	32.50	65.00
7.0	2.59	2.69	2.80	2.92	3.04	3.18	3.33	3.50	3.68	3.89	4.11	4.38	4.67	5.00	5.36	5.83	6.36	7.00	7.78	8.75	10.00	11.67	14.00	17.50	23.33	35.00	70.00
7.5	2.78	2.88	3.00	3.13	3.26	3.41	3.57	3.75	3.95	4.17	4.41	4.69	5.00	5.36	5.77	6.25	6.82	7.50	8.33	9.38	10.71	12.50	15.00	18.75	25.00	37.50	75.00
8.0	2.96	3.06	3.20	3.33	3.46	3.64	3.81	4.00	4.21	4.46	4.74	5.00	5.33	5.71	6.15	6.67	7.22	8.00	8.89	10.00	11.43	13.33	15.00	20.00	26.67	40.00	80.00
8.5	3.15	3.27	3.40	3.54	3.70	3.86	4.05	4.25	4.47	4.72	5.00	5.21	5.47	5.87	6.34	7.00	7.73	8.50	9.44	10.63	12.14	14.17	17.00	21.25	28.33	42.50	85.00
9.0	3.33	3.46	3.60	3.75	3.91	4.09	4.29	4.50	4.74	5.00	5.26	5.54	5.83	6.21	6.68	7.50	8.18	9.00	10.00	11.25	12.86	15.00	18.00	23.00	30.00	45.00	90.00
9.5	3.52	3.65	3.80	3.96	4.13	4.32	4.52	4.75	5.00	5.28	5.58	5.94	6.33	6.79	7.31	7.92	8.84	9.56	10.56	11.88	13.57	15.83	19.00	23.75	31.67	47.50	95.00
10.0	3.70	3.83	4.00	4.17	4.34	4.53	4.74	5.00	5.26	5.56	5.88	6.28	6.67	7.17	7.69	8.33	9.09	10.00	11.11	12.50	14.29	16.67	20.00	25.00	33.33	50.00	100.00
10.5	3.89	4.04	4.20	4.38	4.57	4.77	5.00	5.25	5.53	5.83	6.18	6.56	7.00	7.10	8.00	8.75	9.55	10.50	11.67	13.13	15.00	17.50	21.00	26.25	35.00	52.50	105.00
11.0	4.07	4.21	4.40	4.58	4.78	5.00	5.24	5.50	5.79	6.11	6.47	6.88	7.33	7.80	8.46	9.17	10.00	11.00	12.23	13.75	15.71	18.33	22.00	27.86	36.67	55.00	110.00
11.5	4.26	4.42	4.60	4.79	5.00	5.23	5.48	5.75	6.05	6.39	6.76	7.19	7.67	8.21	8.85	9.58	10.45	11.56	12.78	14.38	16.43	19.17	23.00	28.75	38.33	57.50	115.00
12.0	4.44	4.61	4.80	5.00	5.22	5.45	5.71	6.00	6.32	6.67	7.06	7.50	8.00	8.52	9.25	10.00	10.91	12.00	13.33	15.00	17.14	20.00	24.00	30.00	40.00	60.00	120.00
12.5	4.63	4.81	5.00	5.21	5.42	5.68	5.95	6.25	6.58	6.94	7.35	7.81	8.33	8.92	9.62	10.42	11.38	12.50	13.89	15.63	17.86	20.83	25.00	31.25	41.67	62.50	125.00

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ANALYSIS OF ROUND 4 UNSUCCESSFUL PROJECTS

Applicant	Project	Benefit Score	Total Project Cost	SMART SCALE request	Provided Leverage	SS Score	Maximum Request	Minimum Leverage Needed	Min. leverage - provided	New SS score	Funding program
RVTPO	Orange Ave Improvements	9.48	\$23,714,763	\$23,714,763	\$0	4.00	\$18,846,919	\$4,867,844	\$4,867,844	5.03	HPP
Roanoke County	Rt 460 / Alt Rt 220 Intersection Improvements	2.67	\$21,796,984	\$19,252,124	\$2,544,860	1.39	\$8,207,808	\$13,589,176	\$11,044,316	3.25	DGP
RVARC	1-5B1 Exit 2 Interchange Improvements	3.69	\$28,225,261	\$28,225,261	\$0	1.31	\$7,935,484	\$20,289,777	\$20,289,777	4.65	HPP
Botetourt County	Rt 220 Superstreet Improvements	1.16	\$14,412,482	\$11,412,482	\$3,000,000	1.01	\$4,249,085	\$10,163,397	\$7,163,397	2.73	DGP

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ANALYSIS OF LEVERAGED FUNDS IN ROUND 4 FOR SUCCESSFUL PROJECTS

Applicant	Project	Benefit Score	Total project cost	SS funding request	STB request	Leverage amount	SS score	Maximum SS request	Minimum required leverage	Net leverage requested	New SS score	Funding Program
RVTPO	Route 460 Intersections (Carson Rd. to Huntbridge Rd.)	2.60	\$2,766,831	\$2,339,028	\$427,803 leverage	\$427,803	11.12	\$2,766,831	\$0	(\$427,803)	9.4	HPP
RVTPO	Route 460 at W. Runkan Rd Improvements	3.77	\$7,537,497	\$6,751,948	\$785,549 leverage	\$785,549	5.59	\$7,537,497	\$0	(\$785,549)	5.00	HPP
Roanoke County	Route 419 Streetscape Improvements, Phase 2	7.65	\$18,469,482	\$14,122,332	\$1,505,438 leverage	\$4,347,150	5.42	\$18,469,482	\$0	(\$4,347,150)	4.09	DGP
Roanoke County	Valley Forge Parkway Realignment	6.64	\$9,837,072	\$7,337,072	\$5,352,108 fully fund	\$2,500,000	9.05	\$9,837,072	\$0	(\$2,500,000)	6.75	DGP
Roanoke County	Starkay Rd / Buck Mtn Rd Intersection Improvements	2.56	\$5,841,480	\$2,582,365	\$2,098,115 to supplement \$1.6 M revenue sharing, together fully funding project	\$3,258,115	9.91	\$5,841,480	\$0	(\$3,258,115)	4.38	DGP
Roanoke City	Route 460 Improvements near Blue Hill Drive	4.57	\$5,580,213	\$4,903,493	\$676,720 leverage	\$676,720	9.32	\$5,580,213	\$0	(\$676,720)	6.19	DGP
Roanoke City	Route 460 Improvements at King Street	3.56	\$5,005,724	\$4,455,444	\$550,280 leverage	\$550,280	7.99	\$5,005,724	\$0	(\$550,280)	7.11	DGP
Roanoke City	Valley View / Aviation Pedestrian Improvements	5.86	\$7,178,491	\$5,928,491	\$2,513,437 to fully fund	\$1,250,000	9.88	\$7,178,491	\$0	(\$1,250,000)	8.16	DGP
Total			\$82,216,790	\$48,420,173		\$13,795,617		\$62,216,790	\$0	(\$13,795,432)		

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HYPOTHETICAL LEVERAGE CALCULATIONS WITH ROUND 3 FUNDING LEVELS

Applicant	Project	Benefit Score	Total project cost	SS funding request	STB request	Leverage amount	SS score	Maximum SS request	Minimum required leverage	Net leverage requested	New SS score	Funding Program
RVTPO	Route 460 Intersections (Carson Rd. to Huntbridge Rd.)	2.6	\$2,766,831	\$2,339,028	\$427,803 leverage	\$427,803	11.12	\$2,766,831	\$0	(\$427,803)	9.40	HPPP
RVTPO	Route 460 at W. Runkan Rd Improvements	3.77	\$7,537,497	\$6,751,948	\$785,549 leverage	\$785,549	5.59	\$7,537,497	\$0	(\$785,549)	5.00	HPPP
Roanoke County	Route 419 Streetscape Improvements, Phase 2	7.65	\$18,469,482	\$14,122,332	\$1,505,438 leverage	\$4,347,150	5.42	\$18,479,452	\$7,990,030	\$3,842,880	7.30	HPPP
Roanoke County	Valley Forge Parkway Realignment	6.64	\$9,837,072	\$7,337,072	\$5,352,108 fully fund	\$2,500,000	9.85	\$8,300,800	\$1,537,072	(\$962,928)	7.99	DGP
Roanoke County	Starkay Rd / Buck Mtn Rd Intersection Improvements	2.56	\$5,841,480	\$2,582,365	\$2,098,115 to supplement \$1.6 M revenue sharing, together fully funding project	\$3,258,115	9.91	\$2,815,008	\$3,815,873	(\$242,243)	9.66	DGP
Roanoke City	Route 460 Improvements near Blue Hill Drive	4.57	\$5,580,213	\$4,903,493	\$676,720 leverage	\$676,720	9.32	\$5,044,150	\$536,063	(\$140,657)	9.06	DGP
Roanoke City	Route 460 Improvements at King Street	3.56	\$5,005,724	\$4,455,444	\$550,280 leverage	\$550,280	7.99	\$4,878,712	\$129,012	(\$471,268)	7.30	HPPP
Roanoke City	Valley View / Aviation Pedestrian Improvements	5.86	\$7,178,491	\$5,928,491	\$2,513,437 to fully fund	\$1,250,000	9.88	\$5,467,992	\$710,489	(\$579,501)	9.06	DGP
Total			\$82,216,790	\$48,420,173		\$13,795,617		\$35,810,819	\$36,901,643	(\$122,931)		

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RVTPO AREA PATTERNS IN ROUND 4

- Successful Projects
 - Lower cost requests
 - High benefit score in economic development support (square feet of commercial and industrial space supported) and support of transportation-efficient land development (population and employment density)
- Unsuccessful Projects
 - High cost, high request
 - Low benefit scores in target factors

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STRATEGIES FOR CONSIDERATION

- Pursue projects with greater potential benefit score or lower funding request
- Improve benefit score could be difficult (changing the project)
- Lower request:
 - Change project so it costs less overall (could impact benefit score)
 - Add leverage to high-cost projects so the request is lower

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STRATEGIES FOR CONSIDERATION

- Project sponsors may refine leverage strategy if assuming levels of funding similar to Round 4
- DGP projects submitted with less leverage are still competitive (More Round 4 funding dollars were available per DGP project)
 - 45 projects in Salem district competed for \$103,311,186 of DGP
 - 294 projects in Virginia competed for \$489,961,274 of HPPP
- 1. Leverage funds are primarily utilized on coveted higher cost, lower benefit projects competing for HPPP funds in order to boost lower scores and be more competitive statewide.
- 2. Localities apply for higher-cost projects so they are eligible for DGP (lower competition). The HPPP eligible projects have a lower cost (and lower request), which make them more competitive statewide.

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NEXT STEPS

- Project sponsors consider which projects are best for SMART SCALE Round 5 and consider possible leverage utilization
- Email analysis to the Technical Committee
- Sept. 24 - RVTPO receives applications for STBG funding
- Nov. 12 - RVTPO and RVARC receive requests from member organizations for SMART SCALE 5 project submittal (max. 4 - RVTPO and 4 - RVARC)
- January/February - RVTPO and RVARC select projects to apply for in SMART SCALE Round 5
- March 1 - SMART SCALE Round 5 pre-application portal opens

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