



Richmond Regional
**Transportation
Planning
Organization**

SUPPORTED BY **PlanRVA**
THE REGIONAL
COMMISSION

RSTP/CMAQ New Project Prioritization

Richmond Regional TPO

TAC Meeting

March 10, 2020

STBG Program Overview

- Surface Transportation Block Grant (STBG) funds are a flexible source of funding for transportation improvements
- As part of the Richmond-Petersburg TMA, RRTPO receives a suballocation of around \$20M in STBG funds each year
- Projects were scored by a team of TPO, VDOT, and DRPT staff

Project Prioritization

- Development of the Six-Year Improvement Program (SYIP) is later this year
- VDOT has requested the TPO prioritize projects before developing a draft program
- Projects have been scored based on project selection guidelines adopted by TPO

<u>Jurisdiction</u>	<u>Project</u>	<u>Status</u>	<u>Type</u>	<u>Total Request</u>	<u>Score</u>	<u>Rank</u>
RRTPO	RRTPO Scenario Planning Pilot	New	Study	\$ 243,550	77.0	1
Henrico	W Broad St Intersection Improvements at Dominion and Cox	New	Highway	\$ 9,970,000	73.2	2
Chesterfield	US 360 Superstreets Study	New	Study	\$ 300,000	70.0	3
Chesterfield	Route 1 (Marina Drive - Merriewood Road) Shared-Use Path	New	Bike/Ped	\$ 890,000	67.1	4
Chesterfield	Route 60 Corridor Improvement Study	New	Study	\$ 125,000	65.0	5
Henrico	W Broad St Pedestrian and Transit Improvements - Glenside Dr to Parham Rd	New	Bike/Ped	\$ 9,295,000	62.8	6
Chesterfield	Route 1 (Gettings Lane - Dwight Avenue) Sidewalk/Bike Improvements	New	Bike/Ped	\$ 575,000	62.5	7
Chesterfield	Route 1 (Holiday Lane - Willis Road) Shared-Use Path	New	Bike/Ped	\$ 3,800,000	61.0	8
Chesterfield	Route 60 (Providence Road - Ruthers Road) Shared-Use Path	New	Bike/Ped	\$ 4,500,000	56.2	9
Richmond	Hull Street Project Phase II Chippenham Pkwy to Hey Rd	New	Highway	\$ 10,350,000	55.9	10
Henrico	Springfield Road Intersection Improvements	New	Highway	\$ 6,886,882	51.1	11
Henrico	Rt 33-60-Beulah Roundabout (PE only)	New	Highway	\$ 623,600	40.1	12
Henrico	Magellan Parkway Extension Project (PE only)	New	Highway	\$ 3,133,954	40.0	13
Goochland	IJR - Route 288 (West Creek Area)	New	Study	\$ 499,900	40.0	13
Richmond	Hey Road Improvement	New	Highway	\$ 1,500,000	37.8	15
Chesterfield	Centralia Road at Old Wrexham Road Roundabout	New	Highway	\$ 4,275,000	35.2	16
Henrico	Nuckols Road Pedestrian Improvements	New	Bike/Ped	\$ 1,834,000	32.1	17
Richmond	Multimodal Transportation Plan Update	New	Study	\$ 800,000	32.0	18
Chesterfield	Old Bermuda Hundred Road at Ramblewood Drive Roundabout	New	Highway	\$ 4,400,000	31.1	19
Henrico	Brook Road & Hilliard Road Trail	New	Bike/Ped	\$ 3,990,085	30.0	20
Chesterfield	Ashland-to-Petersburg Trail Study	New	Study	\$ 145,000	23.0	21
Ashland	Vaughan Road Overpass (PE only)	New	Highway	\$ 1,000,000	15.7	22
Ashland	Ashcake Road Pedestrian Improvements	New	Bike/Ped	\$ 550,000	14.3	23
Chesterfield	Brad McNeer Parkway Access Management and Roundabout	New	Highway	\$ 8,111,000	12.4	24

<u>Jurisdiction</u>	<u>Project</u>	<u>Type</u>	<u>Rank</u>	<u>Priority</u>	<u>Flexible</u>
RRTPO	RRTPO Scenario Planning Pilot	Study	1	1	No
Henrico	W Broad St Intersection Improvements at Dominion and Cox	Highway	2	2	Yes
Chesterfield	US 360 Superstreets Study	Study	3	3	No
Chesterfield	Route 60 Corridor Improvement Study	Study	5	4	Yes
Henrico	W Broad St Pedestrian and Transit Improvements - Glenside Dr to Parham Rd	Bike/Ped	6	5	Yes
Chesterfield	Route 1 (Holiday Lane - Willis Road) Shared-Use Path	Bike/Ped	8	6	Yes
Chesterfield	Route 60 (Providence Road - Ruthers Road) Shared-Use Path	Bike/Ped	9	7	Yes
Richmond	Hull Street Project Phase II Chippenham Pkwy to Hey Rd	Highway	10	8	Yes
Henrico	Springfield Road Intersection Improvements	Highway	11	9	Yes
Henrico	Rt 33-60-Beulah Roundabout (PE only)	Highway	12	10	Yes
Henrico	Magellan Parkway Extension Project (PE only)	Highway	13	11	Yes
Goochland	IJR - Route 288 (West Creek Area)	Study	13	12	Yes
Chesterfield	Centralia Road at Old Wrexham Road Roundabout	Highway	16	13	Yes
Henrico	Nuckols Road Pedestrian Improvements	Bike/Ped	17	14	Yes
Chesterfield	Old Bermuda Hundred Road at Ramblewood Drive Roundabout	Highway	19	15	Yes
Henrico	Brook Road & Hilliard Road Trail	Bike/Ped	20	16	Yes
Ashland	Vaughan Road Overpass (PE only)	Highway	22	17	Yes
Ashland	Ashcake Road Pedestrian Improvements	Bike/Ped	23	18	Yes
Chesterfield	Brad McNeer Parkway Access Management and Roundabout	Highway	24	19	Yes
Richmond	Hey Road Improvement	Highway	15	20	Yes
Richmond	Multimodal Transportation Plan Update	Study	18	21	No
Chesterfield	Ashland-to-Petersburg Trail Study	Study	21	22	Yes
Chesterfield	Route 1 (Marina Drive - Merriewood Road) Shared-Use Path	Bike/Ped	4	23	No
Chesterfield	Route 1 (Gettings Lane - Dwight Avenue) Sidewalk/Bike Improvements	Bike/Ped	7	23	Yes

CMAQ Program Overview

- Congestion Mitigation and Air Quality (CMAQ) funds are dedicated to improving air quality in the region
- While in attainment for all NAAQS, the region continues to receive funding for the former maintenance areas
- CMAQ funds total approximately \$8M each year

Project Prioritization

- Projects evaluated by VDOT environmental staff
- Focus on emissions reduction for NO_x and VOC (ozone precursors)
- Projects ranked based on cost per annual ton of reduction for each pollutant
- Overall rank is based on combined rank for NO_x and VOC

<u>Jurisdiction</u>	<u>Project</u>	<u>Status</u>	<u>Type</u>	<u>Total Request</u>	<u>Combined Score</u>	<u>Overall Rank</u>
Ridefinders	Air Pollution Reduction Program	Existing	TDM	\$ 509,000	2	1
Richmond	Employee Trip Reduction Program	Existing	TDM	\$ 110,000	4	2
Richmond	Richmond Signal System – Phase III (with additives)	Existing	Highway	\$ 7,340,000 ¹	7	3
Richmond	Richmond Signal System – Phase IV	New	Highway	\$ 5,000,000	7	3
Henrico	W Broad St Pedestrian and Transit Improvements - Glenside Dr to Parham Rd	New	Bike/Ped	\$ 9,295,000	10	5
Chesterfield	Route 1 (Marina Drive - Merriewood Road) Shared-Use Path	New	Bike/Ped	\$ 890,000	12	6
Henrico	Nuckols Road Pedestrian Improvements	New	Bike/Ped	\$ 1,834,000	15	7
Chesterfield	Old Bermuda Hundred Road at Ramblewood Drive Roundabout	New	Highway	\$ 4,400,000	18	8
Henrico	Brook Road & Hilliard Road Trail	New	Bike/Ped	\$ 3,990,085	18	8
Chesterfield	Route 1 (Gettings Lane - Dwight Avenue) Sidewalk/Bike Improvements	New	Bike/Ped	\$ 575,000	22	10
Henrico	Rt 33-60-Beulah Roundabout (PE only)	New	Highway	\$ 623,600	23	11
Chesterfield	Brad McNeer Parkway Access Management and Roundabout	New	Highway	\$ 8,111,000	24	12
Chesterfield	Route 1 (Holiday Lane - Willis Road) Shared-Use Path	New	Bike/Ped	\$ 3,800,000	25	13
Chesterfield	Route 60 (Providence Road - Ruthers Road) Shared-Use Path	New	Bike/Ped	\$ 4,500,000	28	14
Henrico	W Broad St Intersection Improvements at Dominion and Cox	New	Highway	\$ 9,970,000	28	14
Ashland	Ashcake Road Pedestrian Improvements	New	Bike/Ped	\$ 550,000	30	16
Henrico	Springfield Road Intersection Improvements	New	Highway	\$ 6,886,882	33	17
Chesterfield	Centralia Road at Old Wrexham Road Roundabout	New	Highway	\$ 4,275,000	36	18
Chesterfield	Route 1 Transit Operations	New	Transit	\$ 3,600,000	38	19
Richmond	Connected and Autonomous Vehicles	New	Highway	\$ 5,000,000	N/A	N/A

<u>Jurisdiction</u>	<u>Project</u>	<u>Status</u>	<u>Type</u>	<u>Rank</u>	<u>Priority</u>	<u>Flexible</u>
RideFinders	Air Pollution Reduction Program	Existing	TDM	1	1	Yes
Richmond	Employee Trip Reduction Program	Existing	TDM	2	2	Yes
Richmond	Richmond Signal System – Phase III	Existing	Highway	3	3	Yes
Richmond	Richmond Signal System – Phase IV	New	Highway	3	4	Yes
Henrico	W Broad St Pedestrian and Transit Improvements - Glenside to Parham	New	Bike/Ped	5	5	Yes
Henrico	Nuckols Road Pedestrian Improvements	New	Bike/Ped	7	6	Yes
Henrico	Brook Road & Hilliard Road Trail	New	Bike/Ped	8	7	Yes
Chesterfield	Old Bermuda Hundred Road at Ramblewood Drive Roundabout	New	Highway	8	8	Yes
Henrico	Rt 33-60-Beulah Roundabout (PE only)	New	Highway	11	9	Yes
Chesterfield	Brad McNeer Parkway Access Management and Roundabout	New	Highway	12	10	Yes
Chesterfield	Route 1 (Holiday Lane - Willis Road) Shared-Use Path	New	Bike/Ped	13	11	Yes
Chesterfield	Route 60 (Providence Road - Ruthers Road) Shared-Use Path	New	Bike/Ped	14	12	Yes
Henrico	W Broad St Intersection Improvements at Dominion and Cox	New	Highway	14	13	Yes
Ashland	Ashcake Road Pedestrian Improvements	New	Bike/Ped	16	14	Yes
Henrico	Springfield Road Intersection Improvements	New	Highway	17	15	Yes
Chesterfield	Centralia Road at Old Wrexham Road Roundabout	New	Highway	18	16	Yes
Richmond	Connected and Autonomous Vehicles	New	Highway	N/A	17	No
Chesterfield	Route 1 (Marina Drive - Merriewood Road) Shared-Use Path	New	Bike/Ped	6	18	No
Chesterfield	Route 1 Transit Operations	New	Transit	19	19	No
Chesterfield	Route 1 (Gettings Lane - Dwight Avenue) Sidewalk/Bike Improvements	New	Bike/Ped	10	20	Yes

Requested Action

Recommendation to the Policy Board on the following resolution:

RESOLVED, that the Richmond Regional Transportation Planning Organization policy board approves the prioritization of new FY21 – FY26 RSTP/CMAQ projects as presented.



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