

NORTHERN VIRGINIA TRANSPORTATION AUTHORITY

MEMORANDUM

FOR: Chair Phyllis J. Randall and Members
Northern Virginia Transportation Authority

FROM: Monica Backmon, Executive Director

DATE: June 3, 2021

SUBJECT: Approval of the Programming Recommendations of the additional FY2022-2027 Congestion Mitigation Air Quality (CMAQ), Regional Surface Transportation Program (RSTP) Funds and Highway Infrastructure Program (HIP) Funds/ Coronavirus Response and Relief Supplemental Appropriations (CRRSA) Funds.

1. **Purpose.** To seek Northern Virginia Transportation Authority (NVTa) recommendation of Commonwealth Transportation Board (CTB) funding approval of the attached list of projects for funding for FY2022-FY2027 CMAQ, RSTP, and HIP/CRRSA funds.
2. **Suggested Motion:** *I move Authority recommendation to the Commonwealth Transportation Board, funding approval of the proposed projects for FY2022-2027 CMAQ, RSTP, and HIP/CRRSA funds, as presented (attachments).*
3. **Background.** At its April 8, 2021 meeting, the Authority had approved recommendation to the CTB the FY2027 CMAQ/RSTP strawman and a revised CMAQ/RSTP allocation for approved projects in FY2022-2026 period with a net reduction of \$59,809,364, based on the federal extension of FAST Act not accounting for program growth.

Virginia Department of Transportation (VDOT) recently provided additional revisions that **added \$20,776,059 in RSTP funds** for the FY2022-2027 period. In addition, VDOT informed NVTa staff that the region is eligible for an **additional \$20,076,482 of HIP/CRRSA funds**. The HIP/CRRSA funds have an obligation deadline of September 2024 and expenditure deadline of September 2029. Working with the Regional Jurisdiction and Agency Coordination Committee (RJACC) and VDOT, NVTa staff identified Route 7 Corridor Improvements - Phase 2 in Fairfax County that can meet the above deadlines. NVTa Staff proposes to swap RSTP funds in this project with these HIP funds so that the released RSTP funds can then be allocated to the projects that lost funds in the April revisions. NVTa staff worked with the RJACC to identify projects where these additional funds to be allocated and the RJACC approved the changes at its May 27, 2021 meeting.

VDOT provides the local matches for both the CMAQ and the RSTP funds, provided that the projects utilize the funds within established timelines. For the CMAQ program, the recipient has 24 months to obligate the funds and then 48 months to expend the funds. For the RSTP program, the recipient has 12 months to obligate the funds and then 36 months to expend the funds.

Per Authority recommendation, the FY2022-2027 CMAQ and RSTP allocations and the HIP/CRRSA fund allocation will be sent to the Commonwealth Transportation Board (CTB) for inclusion in the Six Year Improvement Program (SYIP). It is anticipated that the CTB will take action on the SYIP at the June 2021 meeting.

NVTA staff and I will be available at the NVTA meeting on June 10, 2021, to answer questions.

Attachment(s):

- NVTA's Proposed FY2022-2027 CMAQ and RSTP Funding Recommendations as well as the HIP/CRRSA Funding Recommendation

CMAQ-RSTP Allocations and HIP/CRRSA Allocation

5/28/2021

Northern Virginia Transportation Authority

Scenario	Fund Source	Code	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	TOTAL
Final	RSTP Northern Virginia	CF2M10	\$36,737,722	\$40,806,790	\$41,500,506	\$42,206,014	\$42,923,516	\$43,653,216	
Final	RSTP Match Northern Virginia	CS2M11	\$9,184,431	\$10,201,698	\$10,375,127	\$10,551,504	\$10,730,879	\$10,913,304	
Draft	<i>RSTP Northern Virginia</i>	<i>CF2M10</i>	<i>\$36,928,973</i>	<i>\$37,556,767</i>	<i>\$38,195,231</i>	<i>\$38,844,549</i>	<i>\$39,504,907</i>	<i>\$40,176,491</i>	
Draft	<i>RSTP Match Northern Virginia</i>	<i>CS2M11</i>	<i>\$9,232,243</i>	<i>\$9,389,192</i>	<i>\$9,548,808</i>	<i>\$9,711,137</i>	<i>\$9,876,227</i>	<i>\$10,044,123</i>	
			(\$239,063)	\$4,062,529	\$4,131,594	\$4,201,832	\$4,273,261	\$4,345,906	\$20,776,059

HIP Funds	\$ 20,076,482
TOTAL for the Region	\$40,852,541

CMAQ Allocations

CMAQ - FY23																		
UPC	Description	Alexandria	Arlington	Dumfries	FFX CTY	Fairfax	Falls Church	Herndon	Leesburg	Loudoun	Manassas	Man Park	Multi Juris	Nova Dist	Purcelville	PWC	Vienna	Total
100420	BICYCLE SHARING INITIATIVE	\$435,582																
112496	RIDESHARING ENHANCEMENTS AND TDM IN ALEXANDRIA FY21	\$400,000																
T19651	WEST END TRANSITWAY OPERATIONS	\$1,000,000																
T21240	COMMUTER ASSISTANCE PROGRAM FY19 - FY24 - ARLINGTON		\$6,631,082															
T22277	TRAFFIC SIGNAL OPTIMIZATION		\$600,000															
115549	#SMART20 - RICHMOND HIGHWAY - BUS RAPID TRANSIT - ROAD WORK					\$406,702												
106988	MULTIMODAL TRAVEL INFORMATION DISPLAYS (TID) UPGRADE AND EXPAND					\$183,037												
T16037	VRE BACKLICK ROAD STATION PLATFORM EXTENSION					\$500,000												
T21448	FAIRFAX COUNTYWIDE TRANSIT STORES FY19 - FY24					\$650,000												
104328	HERNDON METRORAIL INTERMODAL ACCESS IMPROVEMENTS							\$55,623										
117622	LEASE COMMUTER PARKING SPACES AT LOWES ISLAND FY21 - FY23									\$40,000								
112296	LOUDOUN COUNTY METRO STATION - BICYCLE AND PEDESTRIAN ACCESS									\$1,020,947								
T19705	VRE MANASSAS PARK STATION SECOND PLATFORM										\$444,990							
T21457	PRTC COMMUTER ASSISTANCE PROGRAM FY19 - FY24												\$389,366					
118665	COMMUTER CONNECTION OPERATION CENTER FY22 - FY24													\$326,101				
T21450	CLEAN AIR PARTNERS FY22 - FY24													\$267,494				
106989	NOVA SIGNAL TIMING OPTIMIZATION & SYSTEM OPS IV FY21 - FY23													\$2,224,948				
T22036	MATOC ANNUAL SUPPORT FY22 - FY24													\$444,990				
112462	HOADLY ROAD SIDEWALK															\$1,963,088		
112463	PRINCE WILLIAM PARKWAY SIDEWALK															\$1,263,086		
T21031	WMATA Bus Replacement Program												\$ 3,893,659					
TOTAL		\$1,835,582	\$7,231,082			\$1,739,739		\$55,623		\$1,060,947	\$444,990		\$4,283,025	\$3,263,532		\$3,226,174		\$23,140,695

CMAQ - FY24																	
UPC	Description	Alexandria	Arlington	Dumfries	FFX CTY	Fairfax	Falls Church	Herndon	Leesburg	Loudoun	Manassas	Man Park	Multi Juris	Nova Dist	Purcelville	PWC	Vienna
100420	BICYCLE SHARING INITIATIVE	\$300,000															
T21536	RIDESHARING ENHANCEMENTS AND TDM IN ALEXANDRIA FY24	\$500,600															
T19651	WEST END TRANSITWAY OPERATIONS	\$1,000,000															
T21453	TRANSIT STORE FUNDING - ALEXANDRIA FY21 - FY24	\$600,000															
T21240	COMMUTER ASSISTANCE PROGRAM FY19 -FY24 - ARLINGTON		\$510,766														
115549	#SMART20 - RICHMOND HIGHWAY - BUS RAPID TRANSIT - ROAD WORK					\$2,115,353											
T24212	MULTIMODAL TRAVAL INFORMATION DISPLAY (TID) FY24 - FY26					\$0											
T21448	FAIRFAX COUNTYWIDE TRANSIT STORES FY19 - FY24					\$650,000											
106986	HERNDON METRORAIL INTERMODAL ACCESS IMPROVEMENTS PHASE II							\$459,689									
T23919	LEASE COMMUTER PARKING SPACES AT LOWES ISLAND FY24 - FY26									\$40,000							
112296	LOUDOUN COUNTY METRO STATION - BICYCLE AND PEDESTRIAN ACCESS									\$2,110,026							
T21033	WMATA REPLACEMENT BUSES FY24 - FY26												\$3,779,669				
T21457	PRTC COMMUTER ASSISTANCE PROGRAM FY19 - FY24												\$354,223				
T21556	COMMUTER CONNECTIONS OPERATION CENTER FY25 - FY27													\$309,923			
T21559	CLEAN AIR PARTNERS FY25 - FY27													\$257,908			
T21586	NOVA SIGNAL TIMING OPTIMIZATION & SYSTEM OPS II FY24 - FY26													\$1,532,299			
T22036	MATOC ANNUAL SUPPORT FY22 - FY24													\$817,225			
T21561	I-95 RAMP METERING ROUTE 123 NORTHBOUND ON RAMP															\$1,603,286	
T21486	JOHN MARSHALL HIGHWAY ROUTE 55 SIDEWALK															\$920,000	
T21459	PRTC BUS REPLACEMENT (OMNIRIDE EXPRESS AND COMMUTER BUSES)															\$1,500,000	
TOTAL		\$2,400,600	\$510,766			\$2,765,353		\$459,689		\$2,150,026			\$4,133,892	\$2,917,356		\$4,023,286	\$19,360,968

RSTP and HIP/CRRSA Allocations

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RSTP - FY24																	
UPC	Description	Alexandria	Arlington	FFX County	Dumfries	Fairfax	Falls Church	Herndon	Leesburg	Loudoun	Manassas	Man Park	Multi Juris	Nova Dist	Purcelville	PWC	Vienna
T19637	PEDESTRIAN & SAFETY MOBILITY ENHANCEMENTS-PRIMARY CORRIDORS	\$1,276,411															
106562	ITS INTEGRATION - PHASE IV	\$600,000															
111469	#SMART18 - BACKLICK RUN MULTIUSE PATH PHASE I	\$23,589															
T21999	DASH TECHNOLOGY PH II	\$255,745															
101689	TSM Fiber Optic Plant Upgrades - PH3 Construction		\$76,384														
T21240	COMMUTER ASSISTANCE PROGRAM FY19 -FY24 - ARLINGTON		\$532,096														
107187	RICHMOND HIGHWAY CORRIDOR IMPROVEMENTS			\$9,191,861													
106921/1	#SMART20 - RICHMOND HIGHWAY- BUS RAPID TRANSIT - ROAD WORK			\$8,850,402													
99478	#HB2.FY17 RTE 7 CORRIDOR IMPROVEMENTS - PHASE 1 and PHASE 2			\$0													
107937	RTE 286 (FAIRFAX COUNTY PARWAY) - WIDEN FROM 4 TO 6 LANES			\$3,000,000													
100478	TYSONS CORNER ROADWAY IMPROVEMENTS			\$0													
112479	SOAPSTONE CONNECTOR NEW ROADWAY			\$5,000,000													
-17486	SEVEN CORNERS INTERCHANGE IMPROVEMENTS			\$0													
T21492	ROADBED RECONSTRUCTION - FAIRFAX CITY FY24					\$1,000,890											
100411	PEDESTRIAN, BICYCLE, BRIDGE AND TRAFFIC CALMING IMPROVEMENTS						\$550,518										
50100	#SMART18 - WIDEN E ELDEN ST FROM VAN BUREN ST TO FXCO PKWY							\$804,000									
89890	RTE 15 BYPASS INTERCHANGE AT EDWARDS FERRY & FORT EVANS RD								\$1,701,940								
112296	LOUDOUN COUNTY METRO STATION -B ICYCLE & PEDESTRIAN ACCESS									\$7,793,482							
T21504	TRANSPORTATION PLAN UPDATE - CITY OF MANASSAS										\$301,530						
70717	NORTHERN VIRGINIA (NOVA) REGIONAL STP (RSTP) BALANCE ENTRY (I-95 Aux Lane)													\$4,616,785			
118313	UNIVERSITY BLVD EXTENSION (PROGRESS COURT TO DEVLIN ROAD)															\$6,300,000	
TOTAL		\$2,155,745	\$608,480	\$26,042,263		\$1,000,890	\$550,518	\$804,000	\$1,701,940	\$7,793,482	\$301,530			\$4,616,785		\$6,300,000	\$51,875,632
HIP Funds to be added Route 7 Corridor Improvements				\$ 6,873,682													
Total for Fairfax County				\$32,915,945													

RSTP - FY25																	
UPC	Description	Alexandria	Arlington	FFX County	Dumfries	Fairfax	Falls Church	Herndon	Leesburg	Loudoun	Manassas	Man Park	Multi Juris	Nova Dist	Purcelville	PWC	Vienna
T24287	COMMUTER SERVICES PROGRAM FY25-FY27		\$770,615														
101689	TSM Fiber Optic Plant Upgrades - PH3 Construction		\$0														
107187	RICHMOND HIGHWAY CORRIDOR IMPROVEMENTS			\$10,580,700													
115549	#SMART20 - RICHMOND HIGHWAY- BUS RAPID TRANSIT - ROAD WORK			\$11,333,772													
T18585	RTE 286 FAIRFAX COUNTY PARKWAY CORRIDOR IMPROVEMENTS			\$1,000,000													
5559	ROLLING ROAD - RTE 638 - WIDEN TO 4 LANES - PH II			\$816,250													
112479	SOAPSTONE CONNECTOR NEW ROADWAY			\$5,600,000													
-17486	SEVEN CORNERS INTERCHANGE IMPROVEMENTS			\$0													
100411	PEDESTRIAN, BICYCLE, BRIDGE AND TRAFFIC CALMING IMPROVEMENTS						\$480,392										
50100	#SMART18 - WIDEN E ELDEN ST FROM VAN BUREN ST TO FXCO PKWY							\$770,764									
89890	RTE 15 BYPASS INTERCHANGE AT EDWARDS FERRY & FORT EVANS RD								\$1,684,279								
112296	LOUDOUN COUNTY METRO STATION -B ICYCLE & PEDESTRIAN ACCESS									\$9,425,710							
T22573	STONEWALL PARK TRAIL EXTENSION (PH1)										\$591,238						
T21550	UNIVERSITY BLVD EXTENSION (PROGRESS COURT TO DEVLIN ROAD)															\$9,703,799	
TOTAL			\$770,615	\$29,330,722			\$480,392	\$770,764	\$1,684,279	\$9,425,710	\$591,238					\$9,703,799	\$52,757,519

RSTP - FY26																	
UPC	Description	Alexandria	Arlington	FFX County	Dumfries	Fairfax	Falls Church	Herndon	Leesburg	Loudoun	Manassas	Man Park	Multi Juris	Nova Dist	Purcelville	PWC	Vienna
T23633	SMART MOBILITY IMPLEMENTATION - New Project	\$3,306,323															
100420	Bicycle Sharing Initiative	\$350,000															
T23924	Multitmodal Transportation Improvements					\$726,547											
107187	RICHMOND HIGHWAY CORRIDOR IMPROVEMENTS			\$20,660,000													
115549	#SMART20 - RICHMOND HIGHWAY- BUS RAPID TRANSIT - ROAD WORK			\$7,981,038													
100411	PEDESTRIAN, BICYCLE, BRIDGE AND TRAFFIC CALMING IMPROVEMENTS						\$420,359										
50100	#SMART18 - WIDEN E ELDEN ST FROM VAN BUREN ST TO FXCO PKWY							\$655,779									
89890	RTE 15 BYPASS INTERCHANGE AT EDWARDS FERRY & FORT EVANS RD								\$1,643,694								
T23875	ROUTE 7 IMPROVEMENTS (ROUTE 9 TO THE DULLES GREENWAY)									\$2,000,000							
T23869	ROUTE 15 ROUNDABOUT AND BRADDOCK ROAD									\$718,340							
T23893	ROUTE 50 COLLECTOR ROAD									\$3,064,645							
T4168	Dean Drive Widening										\$943,568						
T21550	UNIVERSITY BLVD EXTENSION (PROGRESS COURT TO DEVLIN ROAD)															\$11,184,102	
TOTAL		\$3,656,323		\$28,641,038		\$726,547	\$420,359	\$655,779	\$1,643,694	\$5,782,985	\$943,568					\$11,184,102	\$53,654,395

CMAQ/RSTP Allocations for Northern Virginia - FY 2027

Attachment

05/25/2021

FY 2027 CMAQ/RSTP Proposed Allocations
Winter 2020 Strawman

REVISED MAY 25, 2021

(Revision of Option 1 approved by the Authority)

CMAQ Estimate \$ 20,482,441

CMAQ FUNDS

CMAQ FUNDS	Overall Ranking	FY 2027	
		Requested	Proposed
OFF-THE-TOP PROJECTS/REGIONAL		\$ 5,662,257	\$ 1,875,880
VDOT-COG/TPB - Commuter Connections Operations Center (UPC 52726/111652)	1 of 6	\$3,836,375	\$400,000
VDOT/COG - Metropolitan Area Transportation Operations Coordination (MATOC), (UPC T17894)	2 of 6	\$800,000	\$800,000
VDOT - Clean Air Partners (T21559 (previous UPC's 52725, 113349 and T21450))	3 of 6	\$275,882	\$275,880
VDOT - Multimodal Transit Information and Incentive Dissemination	4 of 6	\$750,000	\$400,000
CMAQ BALANCE REMAINING FOR JURISDICTIONAL ALLOCATIONS		\$ -	\$ 18,606,561
JURISDICTIONAL ALLOCATIONS*	Overall Ranking	Requested	Proposed
ALEXANDRIA, CITY		\$ 3,500,000	\$ 3,273,000
Duke Street BRT Transitway Operations	1 of 2	\$3,500,000	\$3,273,000
ARLINGTON COUNTY		\$ 8,550,000	\$ 4,205,400
Commuter Services Program (ACCS),(UPC T100) (See RSTP)	1 of 2	\$7,500,000	\$3,736,800
Capital Bikeshare	2 of 2	\$1,050,000	\$468,600
DUMFRIES, TOWN		\$ -	\$ -
FAIRFAX, CITY		\$ -	\$ -
FAIRFAX COUNTY		\$ 10,700,000	\$604,600
Richmond Highway Bus Rapid Transit (UPC 106921)	3 of 6	\$10,000,000	
Countywide Transit Stores (UPC T207)	6 of 6	\$700,000	\$604,600
FALLS CHURCH, CITY		\$ -	\$ -
HERNDON, TOWN		\$ 700,000	\$ 624,600
Herndon Metrorail Intermodal Access Improvements (UPC 106986, 104328)	1 of 2	\$700,000	\$624,600
LEESBURG, TOWN		\$ -	\$ -
LOUDOUN COUNTY		\$ 5,030,000	\$97,961
Lowes Island Park & Ride Lot Lease (UPC 79679)	1 of 4	\$30,000	\$30,000
Route 15 Roundabout and Braddock Road (See RSTP)	2 of 4	\$5,000,000	\$67,961
MANASSAS, CITY		\$ 500,000	\$ 500,000
Stonewall Park Trail Extension (Phase I)	1 of 2	\$500,000	\$500,000
MANASSAS PARK, CITY		\$ -	\$ -
PRINCE WILLIAM COUNTY		\$ -	\$ -
PURCELLVILLE, TOWN		\$ -	\$ -
VIENNA, TOWN		\$ -	\$ -
	Total Jurisdictional	\$ 28,980,000	\$ 9,305,561
AGENCY ALLOCATIONS		Requested	Proposed
PRTC (Prince William, Manassas, Manassas Park)		\$ 2,904,000	\$ 2,904,000
Commuter Bus Replacements (4 new 45 ft. Buses), (UPC T21459)	1 of 2	\$2,754,000	\$2,754,000
PRTC Bus Shelter Program (3 new shelters)	2 of 2	\$150,000	\$150,000
VDOT		\$ 2,397,000	\$ 2,397,000
Traffic Signal Optimization (Fairfax, Loudoun, & Prince William)	5 of 6	\$2,000,000	\$2,000,000
Safety Service Patrol along Route 28 between I-66 and Route 7 (Fairfax & Loudoun)	6 of 6	\$397,000	\$397,000
WMATA (Arlington, Alexandria, Fairfax City, Fairfax County, Falls Church)		\$ 5,500,000	\$ 4,000,000
Virginia Metrobus Replacement (UPC T20133) (8 buses)	1 of 1	\$5,500,000	\$4,000,000
VRE		\$ -	\$ -
	Total Agency	\$ 10,801,000	\$ 9,301,000
	TOTAL CMAQ	\$ 45,443,257	\$ 20,482,441

**FY 2027 CMAQ/RSTP Proposed Allocations
Winter 2020 Strawman**

			RSTP Initial Estimate	\$	50,220,614
			Additional in May 2021	\$	4,345,906
			RSTP Estimate	\$	54,566,520

RSTP FUNDS	Overall Ranking	FY 2027	
		Requested	Proposed
OFF-THE-TOP PROJECTS/REGIONAL		\$ -	
RSTP BALANCE REMAING FOR JURISDICTIONAL ALLOCATIONS			\$ 54,566,520
JURISDICTIONAL ALLOCATIONS*		Requested	Proposed
ALEXANDRIA, CITY		\$ 1,000,000	\$ 883,000
Smart Mobility Implementation	2 of 2	\$1,000,000	\$883,000
ARLINGTON COUNTY		\$ -	\$ 1,812,200
Commuter Services Program (ACCS),(UPC T100) (See CMAQ)	1 of 2		\$1,812,200
DUMFRIES, TOWN		\$ -	\$ -
FAIRFAX, CITY		\$ 1,000,000	\$ 724,500
Multimodal Transportation Improvements	1 of 1	\$1,000,000	\$724,500
FAIRFAX COUNTY		\$ 59,000,000	\$ 27,820,000
Richmond Highway Widening (UPC 107187)	1 of 6	\$20,000,000	\$20,000,000
Fairfax County Parkway Improvements	2 of 6	\$10,000,000	\$6,495,000
Richmond Highway Bus Rapid Transit (UPC 106921)	3 of 6		\$1,325,000
Soapstone Drive Extension (112479)	4 of 6	\$20,000,000	
Seven Corners Ring Road - Phase 1A/Segment 1A (UPC T17486)	5 of 6	\$9,000,000	
FALLS CHURCH, CITY		\$ 550,000	\$ 405,000
Pedestrian, Bicycle, Bridge, and Traffic Calming Improvements (UPC 100411)	1 of 1	\$550,000	\$405,000
HERNDON, TOWN		\$ 1,000,000	\$ 114,000
Sterling Road Multi-Modal Improvements	2 of 2	\$1,000,000	\$114,000
LEESBURG, TOWN		\$ 2,000,000	\$ 1,665,000
Route 15 Bypass @ Edwards Ferry Rd Interchange (UPC 89890)	1 of 1	\$2,000,000	\$1,665,000
LOUDOUN COUNTY		\$ 7,000,000	\$ 9,868,039
Route 15 Roundabout and Braddock Road (See CMAQ)	2 of 4		\$4,932,039
Route 7 Improvements (Route 9 to the Dulles Greenway)	3 of 4	\$2,000,000	\$2,000,000
Route 50 Collector Road	4 of 4	\$5,000,000	\$2,936,000
MANASSAS, CITY		\$ 1,500,000	\$ 693,281
Dean Drive Widening	2 of 2	\$1,500,000	\$693,281
MANASSAS PARK, CITY		\$ -	\$ -
PRINCE WILLIAM COUNTY		\$ 12,500,000	\$ 10,581,500
Route 123 and Old Bridge Road Intersection Improvements	1 of 2	\$4,000,000	\$4,000,000
Route 1/123 Interchange	2 of 2	\$8,500,000	\$6,581,500
PURCELLVILLE, TOWN		\$ -	\$ -
VIENNA, TOWN		\$ -	\$ -
Total Jurisdictional		\$ 85,550,000	\$ 54,566,520
TOTAL RSTP		\$ 85,550,000	\$ 54,566,520