

Northern Virginia Transportation Authority  
 FY 2018-23 Six Year Program Candidate Projects: Preliminary Quantitative and Qualitative Evaluations

DRAFT 04/13/2018

Project ID#	Jurisdiction / Agency	Project	Fund request	Cumulative request	Phases for which funds are requested	Phases for which there is still a funding gap	Past performance (% reimbursed by FY18 Q2)		External funds	Local priority	First fiscal year of expected drawdown	Year of opening	Impact on Metrorail / VRE core / system improvements	Primary and supporting modal components	Other	TransAction project rating (HB 599)	TransAction project rating rank (HB 599)	CRRC (Reduction in annual person hours of delay / Total project cost in \$1000's)	CRRC rank
							Continuation projects	Jurisdictional level											
2018-041-0	City of Alexandria	Alexandria ITS Projects	\$ 1,195,491	\$ 1,195,491	Des, CN										65.00	49	5520.61	1	
2018-042-1	City of Alexandria	Alexandria Bus Network ITS	\$ 150,000	\$ 1,345,491	CapAsset, Other										64.62	51	5144.53	2	
2018-005-0	Arlington County	Intelligent Transportation System Improvements	\$ 10,000,000	\$ 11,345,491	CN										69.39	23	822.22	3	
2018-019-0	Fairfax County	Route 28 Widening (Northbound from Route 50 to McLearn Road)	\$ 19,000,000	\$ 30,345,491	CN										79.18	5	466.23	4	
2018-024-0	Loudoun County	Route 28 Northbound Widening –between the Dulles Toll Road and Sterling Boulevard	\$ 20,000,000	\$ 50,345,491	CN										90.00	1	216.70	5	
2018-046-0	City of Fairfax	Jermantown Road Corridor Improvements Project	\$ 26,000,000	\$ 76,345,491	Des, ROW, CN										65.80	46	108.75	6	
2018-021-0	Loudoun County	Route 15 Bypass Widening: Battlefield Parkway to Montresor Road	\$ 54,000,000	\$ 130,345,491	ROW, CN										80.77	4	106.63	7	
2018-015-0	Fairfax County	Route 29 Widening Project, Phase II (Union Mill Road to Buckley's Gate Drive)	\$ 7,600,000	\$ 137,945,491	ROW										68.92	24	97.51	8	
2018-023-0	Loudoun County	Extend Shellhorn Road: Loudoun County Parkway (Route 607) to Randolph Drive (Route 1072)	\$ 16,000,000	\$ 153,945,491	ROW, Utility										85.13	3	80.15	9	
2018-014-1	Fairfax County	Rolling Road Widening: Hunter Village Drive to Old Keene Mill Road	\$ 11,111,000	\$ 165,056,491	ROW, CN										65.99	44	79.73	10	
2018-010-2	Fairfax County	Route 28 Widening: Route 29 to Prince William County Line	\$ 38,270,000	\$ 203,326,491	CN	CN								See Note A	68.40	25	77.88	11	
2018-016-2	Fairfax County	Fairfax County Parkway Widening from Ox Road to Lee Highway includes a grade separated interchange at the intersection of Popes Head Road	\$ 67,000,000	\$ 270,326,491	ROW, CN	CN									76.40	6	73.05	12	
2018-039-0	Prince William County	Construct Interchange at Prince William Parkway and Clover Hill Road	\$ 12,900,000	\$ 283,226,491	Des, ROW, CN									See Note B	68.35	26	72.84	13	
2018-030-3	Prince William County	RT28 corridor improvements (Fitzwater Dr to Pennsylvania Ave)	\$ 15,000,000	\$ 298,226,491	CN										70.62	18	71.22	14	
2018-017-0	Fairfax County	Rock Hill Road Bridge	\$ 100,000,000	\$ 398,226,491	Des, ROW, CN									See Note C	75.22	7	67.25	15	
2018-022-0	Loudoun County	Northstar Boulevard - Shreveport Drive to Tall Cedars Parkway	\$ 89,805,000	\$ 488,031,491	ROW, CN										69.54	22	65.39	16	
2018-053-1	Town of Dumfries	Widen Route 1 (Fraleigh Blvd) to six lanes between Brady's Hill Rd and Dumfries Rd (RT234)	\$ 116,554,000	\$ 604,585,491	ROW, CN										72.84	10	56.15	17	
2018-026-0	Loudoun County	Prentice Drive Extension: Lockridge Road (Route 789) to Shellhorn Road (Route 643)	\$ 76,230,000	\$ 680,815,491	ROW, CN, Utility										72.95	9	46.19	18	
2018-062-0	NOVA Parks	Falls Church Enhanced Regional Bike Routes (W&OD)	\$ 3,793,209	\$ 684,608,700	Des, CN										50.00	60	34.18	19	
2018-043-0	City of Alexandria	DASH Transit Service Enhancements and Expansion	\$ 11,933,161	\$ 696,541,861	Des, CN, CapAsset, Other-Contin										66.53	39	33.70	20	
2018-054-2	Town of Leesburg	Construct Interchange at Route 7 and Battlefield Parkway	\$ 25,000,000	\$ 721,541,861	CN										71.12	16	30.70	21	
2018-028-0	Loudoun County	Dulles West Boulevard Widening: Loudoun County Parkway to Northstar Boulevard	\$ 47,800,000	\$ 769,341,861	Des, ROW, CN, Utility										72.51	13	30.01	22	
2018-007-0	Fairfax County	Richmond Highway Bus Rapid Transit - Phases I & II	\$ 250,000,000	\$ 1,019,341,861	Des, ROW, CN	ROW, CN, CapAsset								See Note D	85.86	2	28.58	23	
2018-006-1	Fairfax County	Route 1 Widening (Mount Vernon Memorial Highway to Napper Road)	\$ 127,000,000	\$ 1,146,341,861	Des, ROW, CN	ROW, CN									75.14	8	26.48	24	
2018-040-1	City of Alexandria	West End Transitway: Northern Segment (Phase 1)	\$ 60,750,000	\$ 1,207,091,861	ROW, CN, CapAsset, Other-Admin	ROW, CN									68.16	27	23.73	25	
2018-020-0	Fairfax County	Shirley Gate Road Extension: Braddock Road to Fairfax County Parkway	\$ 42,000,000	\$ 1,249,091,861	ROW, CN	CN								See Note E	67.38	33	21.62	26	
2018-031-1	Prince William County	Route 28 Corridor Feasibility Study - Environmental Impact Statement (City of Manassas to Fairfax County)	\$ 3,500,000	\$ 1,252,591,861	Other - EIS										67.59	30	21.13	27	
2018-032-1	Prince William County	Construct Route 28 Corridor Roadway Improvements	\$ 145,000,000	\$ 1,397,591,861	Des, ROW, CN	CN									67.59	31	21.13	28	
2018-047-0	City of Fairfax	Intersection Improvements at Eaton Place/Chain Bridge Road	\$ 10,750,000	\$ 1,408,341,861	Des, ROW, CN									See Note F	65.01	48	19.76	29	
2018-035-0	Prince William County	Construct Interchange at Prince William Parkway and University Blvd	\$ 24,200,000	\$ 1,432,541,861	Des, ROW, CN									See Note B	72.69	11	17.57	30	
2018-045-2	City of Alexandria	Alexandria Duke St Transitway	\$ 12,000,000	\$ 1,444,541,861	Des	ROW, CN, CapAsset									71.33	15	17.07	31	
2018-052-0	City of Falls Church	North Washington Street Multimodal Transportation Project	\$ 14,500,000	\$ 1,459,041,861	Des, ROW, CN, Other-Contin										50.69	59	16.93	32	
2018-027-0	Loudoun County	Route 9 Traffic Calming	\$ 12,112,000	\$ 1,471,153,861	Des, ROW, CN, Utility									See Note G	53.58	55	16.01	33	
2018-012-0	Fairfax County	Richmond Highway (Route 1)/CSX Underpass Widening	\$ 12,000,000	\$ 1,483,153,861	CN										70.75	17	13.87	34	
2018-057-0	Town of Vienna	Mill St NE Parking Garage	\$ 2,300,000	\$ 1,485,453,861	CapAsset										52.73	56	13.85	35	
2018-034-0	Prince William County	Construct Interchange at Route 234 and Brentsville Road	\$ 54,900,000	\$ 1,540,353,861	Des, ROW, CN									See Note B	67.96	29	13.77	36	
2018-050-0	City of Fairfax	City of Fairfax Bike Share Implementation	\$ 1,159,000	\$ 1,541,512,861	CN										66.44	40	12.56	37	
2018-049-0	City of Fairfax	Roadway Network Northfax West	\$ 2,500,000	\$ 1,544,012,861	Des, ROW, CN	Des, ROW, CN								See Note F	66.91	36	10.78	38	
2018-056-0	Town of Leesburg	Construct Interchange at Route 15 Bypass and Battlefield Parkway	\$ 2,000,000	\$ 1,546,012,861	Design	Des, ROW, CN									72.54	12	10.58	39	
2018-004-0	Arlington County	Pentagon City Multimodal Connections and Transitway Extension	\$ 28,850,000	\$ 1,574,862,861	Des, CN	ROW, CN									66.01	43	10.34	40	
2018-008-0	Fairfax County	Soapstone Drive Extension: Extend Soapstone Drive over Route 267 (DTR) to Sunset Hills Road	\$ 132,060,000	\$ 1,706,922,861	ROW, CN	ROW, CN									67.47	32	9.25	41	
2018-009-1	Fairfax County	Frontier Drive Extension and Intersection Improvements	\$ 79,500,000	\$ 1,786,422,861	ROW, CN	CN									69.80	21	8.43	42	
2018-058-1	VRE	VRE Crystal City Station Improvements	\$ 4,000,000	\$ 1,790,422,861	Des	ROW, CN									63.91	53	6.92	43	
2018-044-0	City of Alexandria	Alexandria Bike and Pedestrian Trails and Reconstruction	\$ 2,200,000	\$ 1,792,622,861	Des, ROW	ROW, CN, Other									66.90	37	6.88	44	
2018-029-0	Loudoun County	Evergreen Mills Road Intersection Realignments – Watson Road and Reservoir Road	\$ 14,000,000	\$ 1,806,622,861	Des, ROW, CN, Utility										68.03	28	6.02	45	

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							Continuation projects	Jurisdictional level											
2018-002-1	Arlington County	Ballston-MU Metrorail Station West Entrance	\$ 72,316,000	\$ 1,878,938,861	Des, ROW, CN, CapAsset	CN								🚆		57.26	54	5.60	46
2018-018-0	Fairfax County	Dulles Toll Road - Town Center Parkway Underpass	\$ 17,000,000	\$ 1,895,938,861	Des	ROW, CN								🚶 🚲 🚗		72.40	14	5.35	47
2018-051-0	City of Falls Church	West Falls Church & Joint Campus Revitalization District Multimodal Transportation Project	\$ 15,700,000	\$ 1,911,638,861	Des, ROW, CN, Other-Contin									🚶 🚲 🚗 🚘	See Note H	52.57	57	5.01	48
2018-037-0	Prince William County	Construct University Boulevard (Progress Court to Devlin Road) – Phase I	\$ 28,500,000	\$ 1,940,138,861	Des, ROW, CN									🚶 🚲 🚗		66.10	42	4.82	49
2018-038-0	Prince William County	Devlin Road Widening: Wellington Road to Linton Hall Road	\$ 26,050,000	\$ 1,966,188,861	Des, ROW, CN									🚶 🚲		66.93	35	4.04	50
2018-036-0	Prince William County	Summit School Rd Extension and Telegraph Rd Widening	\$ 38,700,000	\$ 2,004,888,861	Des, ROW, CN									🚶 🚲 🚗	See Note I	69.91	20	3.03	51
2018-011-0	Fairfax County	Braddock Road Intersection Improvements: Guinea Road to Ravensworth Road	\$ 52,400,000	\$ 2,057,288,861	Des, ROW, CN	CN								🚶 🚲		65.56	47	3.01	52
2018-025-0	Loudoun County	Evergreen Mills Road Widening: Loudoun County Parkway to Northstar Boulevard	\$ 46,092,000	\$ 2,103,380,861	Des, CN, Utility									🚶 🚲 🚗		66.32	41	2.98	53
2018-033-0	Prince William County	Construct Interchange at Route 234 and Sudley Manor Drive	\$ 80,600,000	\$ 2,183,980,861	Des, ROW, CN									🚶 🚲	See Note B	70.19	19	2.84	54
2018-048-0	City of Fairfax	Old Lee Highway Multimodal Improvements Phase 1	\$ 5,000,000	\$ 2,188,980,861	Des, ROW, CN	CN								🚶 🚲 🚗		67.11	34	1.83	55
2018-001-0	Arlington County	ART Operations and Maintenance Facilities	\$ 55,459,000	\$ 2,244,439,861	Des, ROW, CN, CapAsset	Des, CN, CapAsset								🚘	See Note J	65.96	45	1.44	56
2018-055-2	Town of Leesburg	Interchange Improvements at Route 15 Leesburg Bypass and Edwards Ferry Road	\$ 105,700,000	\$ 2,350,139,861	Des, ROW, CN									🚶 🚲		64.73	50	1.41	57
2018-003-0	Arlington County	Crystal City Metrorail Station East Entrance and Intermodal Connections	\$ 87,000,000	\$ 2,437,139,861	Des, ROW, CN	CN								🚆 🚶		51.94	58	1.13	58
2018-059-0	VRE	VRE Woodbridge Station and Occoquan Third Track Improvements	\$ 27,500,000	\$ 2,464,639,861	Des, ROW, CN	CN								🚆		64.19	52	1.03	59
2018-013-0	Fairfax County	Seven Corners Ring Road Improvements Phase 1 A, Segment A	\$ 5,500,000	\$ 2,470,139,861	Des, ROW, CN	ROW, CN								🚶 🚲		66.66	38	0.19	60

**Notes**

Anticipated next three SYP updates:  
 12 / 2019 FY2020  
 12 / 2021 FY2022  
 12 / 2023 FY2024

- A** SYP application is for widening from 4 to 8 lanes while the project in TransAction is for widening to 6 lanes. Fairfax County will bear the cost of widening from 6 to 8 lanes. The total cost of widening to 6 lanes has been derived from detailed cost calculations provided by the County.
- B** The project is part of \$400,000 VDOT STARTS study for innovative interchange design
- C** There is no supporting resolution from Loudoun County though the project is partially in Loudoun County
- D** Phase II cannot be implemented without completing project 2018-006-1 Route 1 Widening. Phase I is expected to be open by 2026 while Phase II by 2028.
- E** Project cannot be completed before project 2018-016-2 Fairfax County Parkway Widening and Popes Head Interchange
- F** Eaton/Chain Bridge Road intersection project and the Roadway Network Northfax West project are close to each other and function together
- G** There will be overall project cost & time savings if SYP funds allocated
- H** [See the attached letter from the City of Falls Church](#)
- I** VDOT has recently budgeted a total of \$350,000 using pre-scoping funds towards a preliminary study for this project.
- J** Total project cost could be reduced from \$98,487,000 to potentially as low as \$60,000,000 based on refinements to the facility design. The CRRC shown here is based on the higher original cost.

	% drawn down of expected drawdown	% drawn down of expected drawdown	See definition below				
	>66.67%	>66.67%	High	Top 3	FY18-20	FY18-20	Yes
	33.33-66.67%	33.33-66.67%	Medium	Next 3	FY21-23	FY21-23	
	<33.33%	<33.33%	Low	All others	>FY23	>FY23	
	N/A	N/A					None

**External Funds**

- High Non-NVTA>50% or >10M
- Medium Non-NVTA<50% or <10M
- Low No external funds

**Modal Components**

- New or improved pedestrian path/trail 🚶
- New or improved bicycle lane/path 🚲
- New or improved bus/BRT facility 🚘
- Improvement/Access to Metrorail/VRE Commuter Rail 🚆
- Access to Park-and-Ride facility 🚗
- Transportation technology 📶
- New or improved intersection/interchange 🚦
- New roadway capacity and/or alignment 🛣️

The first symbol reflects the primary modal component, other symbols denote additional modal components, as identified in the project application