

**DRAFT**  
4/13/2018  
**Northern Virginia Transportation Authority**  
**FY 2018-23 Six Year Program Project Ratings**



Goal 1: Enhance quality of life and economic strength of Northern Virginia through transportation											Goal 2: Enable optimal use of the transportation network and leverage the existing network				Goal 3: Reduce negative impacts	Project Performance Rating
1.1 Congestion Reduction				1.2 Travel Time Reliability		1.3 Accessibility		1.4 Activity Center Connectivity		2.1 Safety	2.2 System Integration	2.3 Vehicle Productivity	2.4 Resiliency	3.1 Emissions Reduction		
1.1.1 Total Person Hours of Delay (HB 599)	1.1.2 Transit Crowding [transit route-miles] (HB 599)	1.1.3 Person Hours of Congested Travel in Automobiles (HB 599)	1.1.4 Person Hours of Congested Travel in Transit Vehicles (HB 599)	1.2.1 Congestion Severity: Maximum Travel Time Ratio	1.2.2 Congestion Duration [hours*lane-miles] (HB 599)	1.3.1 Percentage of jobs / population within 1/2 mile of high quality transit	1.3.2 Number of jobs within 45 minutes by auto or within 60 mins by transit (HB 599)	1.4.1 Average travel time per trip between Regional Activity Centers [minutes]	1.4.2 Walkable / bikeable environment within a Regional Activity Center	2.1.1 Safety of the transportation system	2.2.1 First and last mile connections	2.3.1 Person Miles per Vehicle Mile	2.4.1 Person Hours of travel caused by 10% increase in PM peak hour demand (HB 599)	3.1.1 Vehicle miles traveled (VMT) at speeds with high emission rates		

<b>DRAFT Project Ratings for NVTA FY2018-23 Six Year Program (SYP)</b>	10%	5%	5%	5%	5%	10%	5%	5%	5%	5%	5%	5%	10%	10%	5%	10%	100%
<b>Horizon Year 2040</b>																	

ID	Project Title	Sq. Mi	PHD	RouteMi /SqMi	Cong PHT /SqMi	Cong PHT /SqMi	Max Hour	Hours*Mi /SqMi	Percent	Jobs	Minutes	Qual Score	EPDO Value	Qual Score	PMT/VMT	PMT/SqMi	VMT/SqMi	Rating
2018-001-0	ART Operations and Maintenance Facilities	26.4	731	1	16	-	0.01	-	0%	389,559	2.11	5.72	-	0.59	-	-	-	65.96
2018-002-1	Ballston-MU Metrorail Station West Entrance	0.3	412	25	1,677	192	0.20	30	0%	261,217	0.87	4.00	-	4.00	0.08	-	9,418	57.26
2018-003-0	Crystal City Metrorail Station East Entrance and Intermodal Connections	1.0	17	-	-	21	-	-	0%	299,362	1.93	4.02	-	3.94	-	-	-	51.94
2018-004-0	Pentagon City Multimodal Connections and Transitway Extension	0.6	964	9	1,757	-	0.59	-	0%	549,642	1.91	4.28	-	4.11	-	-	2,457	66.01
2018-005-0	Intelligent Transportation System Improvements	4.1	2,357	12	609	2	0.05	26	0%	316,785	1.46	4.48	40	1.99	0.05	-	882	69.39
2018-006-1	Route 1 Widening (Mount Vernon Memorial Highway to Napper Road)	3.7	4,630	3	1,174	72	0.44	10	0%	502,972	1.08	4.94	-	-	0.01	39	1,737	75.14
2018-007-0	Richmond Highway Bus Rapid Transit - Phases I & II	3.5	6,106	12	1,887	122	0.26	29	36%	518,412	0.73	5.69	74	0.42	0.01	43	7,726	85.86
2018-008-0	Soapstone Drive Extension: Extend Soapstone Drive over Route 267 (Dulles Toll Road) to Sunset Hills Road	2.6	6,000	9	2,303	154	0.51	-	0%	307,677	3.71	3.10	36	2.91	-	-	-	67.47
2018-009-1	Frontier Drive Extension and Intersection Improvements	1.9	880	3	416	44	0.19	8	0%	968,644	0.67	5.17	-	2.71	-	-	1,185	69.80
2018-010-2	Route 28 Widening: Route 29 to Prince William County Line	5.0	1,042	-	436	3	-	2	0%	680,961	1.20	-	-	-	-	65	732	68.40
2018-011-0	Braddock Road Intersection Improvements: Guinea Road to Ravensworth Road	3.8	339	-	56	1	0.04	1	0%	729,773	-	-	53	0.22	-	82	824	65.56
2018-012-0	Richmond Highway (Route 1)/CSX Underpass Widening	0.8	381	0	900	15	0.18	6	0%	917,362	-	-	71	0.15	0.01	100	439	70.75
2018-013-0	Seven Corners Ring Road Improvements Phase 1 A, Segment A	1.0	244	15	366	58	0.07	9	0%	403,009	0.98	4.97	81	1.20	-	-	1,320	66.66
2018-014-1	Rolling Road Widening: Hunter Village Drive to Old Keene Mill Road	2.0	520	1	582	8	-	1	0%	968,464	-	-	-	-	-	198	1,500	65.99
2018-015-0	Route 29 Widening Project, Phase II (Union Mill Road to Buckley's Gate Drive)	2.3	959	-	528	3	0.22	1	0%	526,195	0.60	-	-	-	0.01	62	2,161	68.92
2018-016-2	Fairfax County Parkway Widening from Ox Road to Lee Highway includes a grade separated interchange at the intersection of Popes Head Road	2.7	3,131	-	-	0	0.20	-	0%	778,908	0.42	-	31	-	0.02	261	-	76.40
2018-017-0	Rock Hill Road Bridge	0.9	1,871	-	2,445	4	0.18	-	0%	413,853	1.30	3.00	-	3.00	-	-	6,996	75.22
2018-018-0	Dulles Toll Road - Town Center Parkway Underpass	1.2	677	2	637	40	-	-	0%	261,743	1.50	1.78	-	3.00	0.01	15	2,128	72.40
2018-019-0	Route 28 Widening (Northbound from Route 50 to McLearn Road)	3.2	5,497	2	1,826	10	0.78	3	0%	618,188	1.57	-	-	-	-	295	8,503	79.18
2018-020-0	Shirley Gate Road Extension: Braddock Road to Fairfax County Parkway	1.8	261	-	151	-	-	-	0%	848,113	-	-	-	-	-	-	-	67.38
2018-021-0	Route 15 Bypass Widening: Battlefield Parkway to Montresor Road	4.3	8,456	-	2,355	2	1.76	8	0%	422,028	1.55	-	-	-	-	54	12,000	80.77
2018-022-0	Northstar Boulevard - Shreveport Drive to Tall Cedars Parkway	3.0	1,614	-	1,285	2	0.13	10	0%	530,590	2.16	-	-	-	0.02	34	6,110	69.54
2018-023-0	Extend Shellhorn Road: Loudoun County Parkway (Route 607) to Randolph Drive (Route 1072)	1.9	4,468	-	3,087	12	1.10	-	0%	678,360	4.52	-	-	1.90	-	-	11,989	85.13
2018-024-0	Route 28 Northbound Widening –between the Dulles Toll Road and Sterling Boulevard	2.7	8,039	-	3,228	7	0.18	-	0%	420,673	1.52	2.01	-	0.95	-	-	6,206	90.00
2018-025-0	Evergreen Mills Road Widening: Loudoun County Parkway to Northstar Boulevard	0.5	627	-	1,786	0	0.42	8	0%	555,708	3.05	-	-	-	-	58	10,463	66.32
2018-026-0	Prentice Drive Extension: Lockridge Road (Route 789) to Shellhorn Road (Route 643)	1.6	1,310	-	1,919	17	0.50	-	0%	656,247	3.41	-	-	1.10	-	60	7,990	72.95
2018-027-0	Route 9 Traffic Calming	0.1	556	-	3,801	9	2.19	4	0%	68,041	-	-	16	-	0.01	103	-	53.58
2018-028-0	Dulles West Boulevard Widening: Loudoun County Parkway to Northstar Boulevard	2.7	2,417	-	1,389	0	0.10	12	0%	548,183	2.96	-	-	-	-	-	6,103	72.51
2018-029-0	Evergreen Mills Road Intersection Realignment – Watson Road and Reservoir Road	0.9	92	-	14	-	0.06	-	0%	460,059	-	-	4	-	-	-	210	68.03



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2018-030-3	RT28 corridor improvements (Fitzwater Dr to Pennsylvania Ave)	2.5	1,567	-	909	1	0.23	18	0%	432,632	-	-	-	0.63	-	51	4,565	70.62
2018-031-1	Route 28 Corridor Feasibility Study - Environmental Impact Statement (City of Manassas to Fairfax County)	8.0	623	1	139	2	-	0	0%	741,338	1.21	-	-	-	0.00	42	739	67.59
2018-032-1	Construct Route 28 Corridor Roadway Improvements	8.0	623	1	139	2	-	0	0%	741,338	1.21	-	-	-	0.00	42	739	67.59
2018-033-0	Construct Interchange at Route 234 and Sudley Manor Drive	1.4	1,290	-	750	1	0.14	7	0%	667,088	1.83	-	-	-	-	-	2,182	70.19
2018-034-0	Construct Interchange at Route 234 and Brentsville Road	1.4	172	-	57	0	0.09	2	0%	451,674	-	-	-	-	-	31	-	67.96
2018-035-0	Construct Interchange at Prince William Parkway and University Boulevard	1.0	985	-	716	2	0.26	2	0%	548,913	1.85	-	-	-	-	-	4,097	72.69
2018-036-0	Summit School Rd Extension and Telegraph Rd Widening	2.4	1,281	0	506	14	0.19	6	0%	713,356	-	-	-	-	0.00	-	3,655	69.91
2018-037-0	Construct University Boulevard (Progress Court to Devlin Road) – Phase I	2.9	328	-	13	-	0.07	0	0%	530,552	1.19	-	-	-	-	-	-	66.10
2018-038-0	Devlin Road Widening: Wellington Road to Linton Hall Road	2.7	544	-	22	-	0.13	1	0%	528,447	-	-	-	-	-	-	110	66.93
2018-039-0	Construct Interchange at Prince William Parkway and Clover Hill Road	1.4	220	-	-	-	-	-	0%	485,670	2.15	4.88	-	0.02	0.01	39	-	68.35
2018-040-1	West End Transitway: Northern Segment (Phase 1)	7.2	658	9	396	9	-	-	5%	289,755	1.30	5.47	-	1.33	-	17	-	68.16
2018-041-0	Alexandria ITS Projects	2.2	695	11	348	31	-	4	0%	320,323	1.16	5.35	1	0.72	0.01	-	828	65.00
2018-042-1	Alexandria Bus Network ITS	0.6	327	9	641	31	-	2	0%	321,583	0.87	5.58	-	0.28	0.01	-	2,352	64.62
2018-043-0	DASH Transit Service Enhancements and Expansion	16.1	1,889	3	131	10	0.03	-	0%	340,700	1.20	6.54	-	1.06	-	-	549	66.53
2018-044-0	Alexandria Bike and Pedestrian Trails and Reconstruction	2.5	37	2	-	-	-	-	0%	271,122	1.04	6.45	-	-	-	-	-	66.90
2018-045-2	Alexandria Duke St Transitway	2.0	959	10	562	61	-	-	23%	337,651	1.19	5.53	1	1.28	-	-	1,179	71.33
2018-046-0	Jermantown Road Corridor Improvements Project	0.7	235	-	472	26	0.12	11	0%	804,335	-	-	-	-	-	7	3,464	65.80
2018-047-0	Intersection Improvements at Eaton Place/Chain Bridge Road	1.0	169	1	-	2	-	-	0%	529,991	0.93	3.58	44	-	-	-	-	65.01
2018-048-0	Old Lee Highway Multimodal Improvements Phase 1	1.6	90	-	610	22	-	-	0%	533,394	0.94	6.00	30	-	-	-	1,692	67.11
2018-049-0	Roadway Network Northfax West	1.0	269	1	1	11	-	-	0%	574,721	0.94	3.43	48	-	-	-	-	66.91
2018-050-0	City of Fairfax Bike Share Implementation	6.2	-	-	-	-	-	-	0%	563,034	1.21	5.14	34	0.38	-	-	-	66.44
2018-051-0	West Falls Church & Joint Campus Revitalization District Multimodal Transportation Project	0.2	54	8	334	15	0.06	-	0%	483,541	1.26	4.00	101	4.00	0.01	-	847	52.57
2018-052-0	North Washington Street Multimodal Transportation Project	0.1	66	4	854	58	0.11	3	0%	324,397	0.93	5.00	94	2.00	0.04	-	-	50.69
2018-053-1	Widen Route 1 (Fralely Blvd) to six lanes between Brady's Hill Rd and Dumfries Rd (RT234)	2.7	2,494	1	772	5	0.16	6	0%	773,509	-	-	-	-	-	-	1,458	72.84
2018-054-2	Construct Interchange at Route 7 and Battlefield Parkway	1.0	819	-	739	6	0.05	-	0%	625,539	-	-	-	-	-	-	7,617	71.12
2018-055-2	Interchange Improvements at Route 15 Leesburg Bypass and Edwards Ferry Road	1.0	-	1	-	0	-	-	0%	480,270	1.65	-	-	-	-	-	-	64.73
2018-056-0	Construct Interchange at Route 15 Bypass and Battlefield Parkway	1.0	956	-	1,135	1	0.47	15	0%	469,640	1.63	-	-	-	-	-	7,818	72.54
2018-057-0	Mill St NE Parking Garage	0.1	55	5	489	-	0.19	1	0%	506,577	-	-	-	-	0.01	-	3,151	52.73
2018-058-1	VRE Crystal City Station Improvements	0.1	129	5	1,405	79	0.19	30	0%	413,746	0.87	6.22	-	0.22	-	151	2,454	63.91
2018-059-0	VRE Woodbridge Station and Occoquan Third Track Improvements	0.2	107	7	739	21	0.24	9	0%	670,408	0.83	5.00	-	2.00	0.03	32	3,913	64.19
2018-062-0	Falls Church Enhanced Regional Bike Routes (W&OD)	0.1	56	11	766	31	0.77	-	0%	399,282	0.93	4.00	64	4.00	-	8	906	50.00