

Northern Virginia Transportation Authority
FY2020-25 Six Year Program Candidate Projects: TransAction Rating



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				
ID	Project Title	Sq. Mi	PHD/SqMi	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
FFX-098	Richmond Highway (Route 1) Bus Rapid Transit	8.6	2,659	1	323	17	0.2	3	0%	18,933	1.0	1.2	-	0.3	-	41	1,226	90.0
FFX-101	Fairfax County Parkway Widening: Lee Highway (Route 29) to Nomes Court	4.0	3,510	-	1,419	3	0.6	5	0%	8,194	0.6	-	24	-	-	182	1,705	83.0
FFX-108	Richmond Highway Widening From Route 235 North to Route 235 South	3.9	2,954	1	764	35	0.5	7	0%	39,373	1.1	-	-	-	-	84	2,745	79.9
PWC-015	Construct Route 28 Corridor Roadway Improvements	4.9	2,131	0	661	3	0.4	-	0%	96,121	0.9	-	26	-	-	18	2,724	73.0
ALX-014	Alexandria Duke Street Transitway	4.4	951	3	319	-	0.1	2	0%	15,619	0.5	3.2	-	1.4	0.0	81	50	65.0
DMF-003	Widen/Relocate Route 1: Brady's Hill Road to Dumfries Road (Route 234)	0.9	2,049	-	2,737	19	1.1	19	0%	46,595	-	-	-	-	-	226	10,867	63.6
PWC-016	Summit School Road Extension and Telegraph Road Widening	2.2	433	0	144	4	0.0	13	0%	71,913	-	-	64	-	0.0	145	2,926	63.1
RPT-002	Franconia-Springfield Passenger Rail Bypass	2.8	663	1	245	7	0.3	2	0%	-	0.8	2.9	22	-	-	143	132	60.4
PWC-024	North Woodbridge Mobility Improvements	1.1	691	0	596	14	0.3	-	0%	7,951	0.9	0.3	119	0.6	0.0	146	6,317	59.6
FFX-104	Braddock Road Corridor and Intersection Improvements: Guinea Road to Ravensworth Road	3.8	832	-	278	3	-	8	0%	1,126	-	-	54	-	-	-	36	58.7
VRE-013	VRE Woodbridge Station Improvements	0.8	576	-	949	26	0.2	9	0%	85,274	0.9	0.6	62	1.2	0.0	92	1,755	58.7
ARL-015	Rosslyn Multimodal Network Improvements	0.8	167	0	213	25	-	7	0%	17,682	0.6	4.8	-	5.0	0.0	21	579	58.5
CFX-011	Old Lee Highway Multimodal Improvements	2.2	709	-	457	23	0.1	2	0%	30,189	0.6	0.0	17	-	0.0	43	2,062	58.2
CFX-010	Intersection Improvements at Eaton Place/Chain Bridge Road	0.6	638	-	1,358	67	0.4	8	0%	3,790	0.6	-	103	-	0.0	163	6,686	58.1
PWC-019	Route 234 and Sudley Manor Drive Interchange	0.8	397	-	880	2	0.3	22	0%	15,779	1.4	-	-	-	0.0	26	3,913	57.9
CFX-013	Roadway Network Northfax West	0.6	679	-	1,501	68	0.4	10	0%	3,924	0.6	1.0	-	-	0.0	170	7,160	57.7
VRE-011	VRE Crystal City Station Improvements	0.6	130	1	348	42	0.0	10	0%	20,172	0.7	2.7	-	2.7	0.0	83	2,575	57.6
ARL-017	Arlington National Cemetery Wall Trail	1.6	320	1	257	11	-	5	0%	14,552	0.7	2.1	-	1.6	0.0	78	2,724	57.4
FFX-106	Soapstone Drive Extension	1.3	218	0	249	1	-	-	0%	4,851	1.1	2.0	54	5.0	-	-	2,804	57.4
FFX-112	Rolling Road Widening from Hunter Village Drive to Old Keene Mill Road	1.0	889	0	1,154	26	0.7	10	0%	35,258	-	-	-	-	-	70	4,659	57.2
ARL-019	Ballston-MU Metrorail Station West Entrance	0.6	70	0	145	72	0.0	2	0%	22,932	0.3	5.5	-	1.6	0.0	-	515	57.2
FFX-103	Frontier Drive Extension and Intersection Improvements	1.0	229	3	283	15	0.2	4	0%	-	0.8	3.0	43	-	-	172	-	56.3
ARL-014	CC2DCA Intermodal Connector	0.3	87	1	482	32	0.0	15	0%	20,230	0.7	2.3	-	2.3	0.0	109	3,336	56.3
CFC-005	Downtown Falls Church Multimodal Improvements	1.2	166	0	247	-	0.0	3	0%	24,748	0.6	4.0	30	2.8	0.0	-	894	56.2
LDN-018	Braddock Road Widening from Paul VI H.S. to Bull Run Office Post Office Road	3.5	511	-	187	0	0.1	2	0%	19,407	-	-	12	-	-	9	1,287	55.2
PWC-017	Prince William Parkway at Clover Hill Road Innovative Intersection	0.8	55	-	63	0	0.1	0	0%	60,318	1.5	-	8	-	0.0	-	-	55.1
CFC-006	West Falls Church Access to Transit and Multimodal Connectivity	1.0	4	0	79	3	0.0	-	0%	34,420	0.4	3.4	-	3.5	0.0	-	214	54.8
FFX-114	Seven Corners Ring Road Improvements	0.9	74	-	13	-	-	-	0%	36,068	0.5	3.0	82	1.5	0.0	6	627	54.5
CFX-015	Jermantown Road/Route 29 Intersection Improvements	0.8	325	0	330	9	0.1	5	0%	2,238	-	-	101	-	0.0	66	965	54.3
PWC-025	Van Buren Road North	0.2	28	-	454	1	0.7	0	0%	36,583	-	-	-	-	0.0	70	1,673	54.1
PWC-023	University Boulevard Extension: Devlin Road to Wellington Road	3.2	229	0	45	0	0.1	0	0%	62,279	1.0	-	12	-	0.0	-	-	53.5
CFX-014	Government Center Parkway Extension	1.0	380	0	326	5	0.1	4	0%	4,036	-	-	99	-	-	62	422	53.2
PWC-022	Wellington Road Widening: University Boulevard to Devlin Road	2.5	187	0	37	0	0.1	0	0%	72,532	1.0	-	12	-	-	-	-	53.2
NOV-002	Arlington W&OD Trail Enhancements	2.0	84	-	26	2	-	-	0%	32,702	0.3	2.5	5	0.4	0.0	-	650	53.2
LDN-019	Evergreen Mills Road Widening from Northstar Boulevard to Stone Springs Boulevard	0.3	166	-	938	2	0.5	6	0%	26,206	1.2	-	28	-	-	36	4,901	53.0
LDN-017	Belmont Ridge Road Widening: Shreveport Drive to Evergreen Mills Road (Route 621)	0.3	166	-	938	2	0.5	6	0%	26,206	1.2	-	24	-	-	36	4,901	53.0
PWC-020	Prince William Parkway at Old Bridge Road Intersection Improvements	0.8	62	1	32	1	0.1	-	0%	39,942	-	-	48	-	0.0	-	385	52.1
PWC-018	Devlin Road Widening: Linton Hall Road to Relocated Balls Ford Road (Wellington Road)	2.3	165	-	-	-	0.1	-	0%	46,259	-	-	6	-	-	-	299	51.4
VIE-003	Vienna Regional Bikesharing	0.8	139	-	200	3	0.1	0	0%	51,523	-	-	-	-	0.0	15	532	51.3
LDN-016	Construct Crosstrail Boulevard (Route 653): Sycolin Road to Dulles Greenway (Route 267)	1.0	40	-	22	0	0.0	0	0%	32,257	-	-	3	-	0.0	1	408	50.5
LEE-008	Interchange Improvements at Route 15 Leesburg Bypass and Edwards Ferry	0.5	161	-	-	-	-	-	0%	11,383	-	-	-	-	-	50	-	50.0