

# Candidate Projects for Draft FY2017 Program

## NVTA Quantitative Scores

CANDIDATE PROJECTS			Phases Funding Requested	HB599 (2020) Project reduces roadway congestion	HB599 (2040) Project reduces roadway congestion <sup>1</sup>	Project will be advanced as a result of FY17 Program funding	Project reduces vehicle-miles traveled	Project improves the safety of the transportation system	Project improves connections between multiple Activity Centers	Project connects jurisdictions and modes	Project supports multiple use development patterns in a walkable/bikeable environment	Project improves the management and operation of existing facilities through technology applications	Project leverages private or other outside funding	Weighted Score	Rank	Total Project Cost	NVTA Request
Project ID	Jurisdiction/ Agency	Project Title		0	45	15	5	5	5	5	10	5	5	100			
6T	Fairfax	I-66/Route 28 Interchange Improvements	Des, Eng, Env, ROW, Con	77.4	78.3									73.57	1	\$ 385,000,000	\$ 370,000,000
1S	Fairfax	Route 7 Widening Phase I (Colvin Forest Dr to Jarrett Valley Dr)	ROW	22.2	54.6									66.24	2	\$ 135,900,000	\$ 10,000,000
8DD	Alexandria	Potomac Yard Metrorail Station	Des, Con (Design-Build)	28.5	36.0									66.20	3	\$ 287,484,000	\$ 66,000,000
8FF	WMATA	Metrorail Blue Line Traction Power Upgrades	Eng, Con	43.8	45.8									65.61	4	\$ 88,625,564	\$ 17,443,951
3M	Fairfax	Route 28 Widening (PWC Line to Route 29)	Des, Eng, Env, ROW, Con	60.9	56.3									65.34	5	\$ 68,910,000	\$ 5,000,000
8BB	Prince William	Widen Route 1 to Six Lanes (Featherstone Road to Marys Way)	Con	24.3	33.4									58.36	6	\$ 85,725,114	\$ 11,000,000
6R	Arlington	Lee Highway Corridor ITS Enhancements	Des, Eng, ROW, Con	7.4	9.8									51.08	7	\$ 3,000,000	\$ 3,000,000
6S	Arlington	East Falls Church Regional Connections and Access Project	Des, Eng, Env, Con, Acq	2.2	2.2									49.32	8	\$ 6,500,000	\$ 6,500,000
5D	Fairfax	Route 286 Fairfax County Parkway Widening (Route 123 to Route 29)	ROW	42.9	42.7									49.22	9	\$ 82,400,000	\$ 10,000,000
8CC	Alexandria	West End Transitway	Des, Eng	13.4	16.3									49.00	10	\$ 142,414,938	\$ 7,000,000
8Y	Arlington	Crystal City Streets: 12th St Transitway, Clark/Bell Realignment, and Intersection Improvements	Des, Eng, Env, Con	4.0	4.6									48.74	11	\$ 11,600,000	\$ 11,600,000
6W	Falls Church	Bikeshare Connections to Orange and Silver Line Metrorail Stations, Falls Church	Des, Eng, ROW, Con, Acq	2.2	2.2									47.66	12	\$ 2,000,000	\$ 2,000,000
8EE	Dumfries	Widen Route 1 to Six Lanes (Brady's Hill Road to RT234)	ROW	22.3	27.7									47.47	13	\$ 168,766,000	\$ 16,500,000
8AA	Fairfax	Widening US1 Richmond Highway (Mt Vernon Hwy to Napper Rd)	Eng, ROW	30.1	35.1									47.46	14	\$ 215,000,000	\$ 5,000,000
3N	Prince William	Widen Route 28 to Six Lanes (Route 234 to Linton Hall Road)	Con	14.0	19.7									47.20	15	\$ 28,774,000	\$ 10,000,000
1U	Leesburg	Route 7 (East Market Street) / Battlefield Parkway Interchange	Con	6.7	14.2									43.06	16	\$ 58,000,000	\$ 37,000,000
1T	Herndon	East Elden Street Improvements and Widening Project	ROW, Con	1.1	2.5									42.79	17	\$ 35,611,000	\$ 18,700,000
7D	Fairfax	Braddock Road HOV Widening (Burke Lake to I-495)	Des, Eng, Env	29.6	23.6									40.62	18	\$ 62,300,000	\$ 6,200,000
9P	Fairfax	Fairfax Connector Bus Purchases (11 buses) for Service Expansion	Acq	3.7	4.1									40.18	19	\$ 5,500,000	\$ 5,500,000
6V	Prince William	Widen Route 15 to Four Lanes (Route 55 to south of RR tracks) & Construct RR Overpass	Des, ROW, Con	2.6	3.5									39.91	20	\$ 45,000,000	\$ 20,000,000
6U	Fairfax	Seven Corners Ring Road Improvements	Des, Eng, Env, ROW	3.6	9.0									39.05	21	\$ 52,100,000	\$ 5,000,000
8Z	Fairfax	Frontier Drive Extension and Braided Ramps	Des, Eng, Env, ROW	5.9	9.9									37.79	22	\$ 84,500,000	\$ 15,000,000
3P	Manassas	Sudley Road Westbound Third Lane (Godwin Dr to Dorsey Cir)	Des, Eng, Env, ROW, Con	4.3	8.3									37.07	23	\$ 7,400,000	\$ 7,400,000
3Q	VRE	VRE Manassas Park Station Parking Expansion	Des, Eng, Env	7.3	7.4									33.33	24	\$ 19,600,000	\$ 2,000,000
<b>TOTAL</b>																<b>\$ 2,082,110,616</b>	<b>\$ 667,843,951</b>

Notes: <sup>1</sup> This value comes from HB599 evaluation and is divided by 100 to calculate the weighted score

<sup>2</sup> Des - Design; Eng - Engineering; Env - Environmental; ROW - Right of Way; Con - Construction; Acq - Acquisition

Legend:

	High = 3/3 points
	Medium = 2/3 points
	Low = 1/3 points

**Candidate Projects for Draft FY2017 Program**  
**Congestion Reduction Relative to Cost (CRRC) Ratios**

Project ID	Jurisdiction/ Agency	Project Title	Phases Funding Requested	Total Project Cost	NVTA Request	NVTA Share <sup>1</sup>	Daily Person hours of Congestion Reduced (2020) <sup>2</sup>	Daily Person hours of Congestion Reduced (2040) <sup>2</sup>	Cumulative Annual Person hours of Congestion Reduced <sup>3</sup>	CRRC Ratio to Total Project Cost <sup>4</sup>	Rank	CRRC Ratio to NVTA Share <sup>4</sup>	Rank
6R	Arlington	Lee Highway Corridor ITS Enhancements	Des, Eng, ROW, Con	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	553	1,211	4,671,940	1.56	1	1.56	2
3M	Fairfax	Route 28 Widening (PWC Line to Route 29)	Des, Eng, Env, ROW, Con	\$ 68,910,000	\$ 5,000,000	\$ 63,910,000	6,477	6,703	35,981,400	0.52	2	0.56	5
3P	Manassas	Sudley Road Westbound Third Lane (Godwin Dr to Dorsey Cir)	Des, Eng, Env, ROW, Con	\$ 7,400,000	\$ 7,400,000	\$ 7,400,000	334	794	2,992,600	0.40	3	0.40	7
3Q	VRE	VRE Manassas Park Station Parking Expansion	Des, Eng, Env	\$ 19,600,000	\$ 2,000,000	\$ 19,100,000	1,370	1,659	7,912,970	0.40	3	0.41	6
6W	Falls Church	Bikeshare Connections to Orange and Silver Line Metrorail Stations, Falls Church	Des, Eng, ROW, Con, Acq	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	110	146	727,012	0.36	5	0.36	9
5D	Fairfax	Route 286 Fairfax County Parkway Widening (Route 123 to Route 29)	ROW	\$ 82,400,000	\$ 10,000,000	\$ 72,400,000	4,594	6,230	27,139,372	0.33	6	0.37	8
3N	Prince William	Widen Route 28 to Six Lanes (Route 234 to Linton Hall Road)	Con	\$ 28,774,000	\$ 10,000,000	\$ 12,074,000	1,206	2,019	9,107,241	0.32	7	0.75	4
9P	Fairfax	Fairfax Connector Bus Purchases (11 buses) for Service Expansion	Acq	\$ 5,500,000	\$ 5,500,000	\$ 5,500,000	247	314	1,657,357	0.30	8	0.30	11
8BB	Prince William	Widen Route 1 to Six Lanes (Featherstone Road to Marys Way)	Con	\$ 85,725,114	\$ 11,000,000	\$ 12,017,571	3,677	5,296	22,563,203	0.26	9	1.88	1
8FF	WMATA	Metrorail Blue Line Traction Power Upgrades	Eng, Con	\$ 88,625,564	\$ 17,443,951	\$ 17,443,951	3,130	4,813	22,476,311	0.25	10	1.29	3
1S	Fairfax	Route 7 Widening Phase I (Colvin Forest Dr to Jarrett Valley Dr)	ROW	\$ 135,900,000	\$ 10,000,000	\$ 112,169,000	2,535	7,281	23,791,092	0.18	11	0.21	12
6T	Fairfax	I-66/Route 28 Interchange Improvements	Des, Eng, Env, ROW, Con	\$ 385,000,000	\$ 370,000,000	\$ 370,000,000	11,095	13,507	61,362,704	0.16	12	0.17	13
7D	Fairfax	Braddock Road HOV Widening (Burke Lake to I-495)	Des, Eng, Env	\$ 62,300,000	\$ 6,200,000	\$ 62,300,000	2,132	1,368	8,456,292	0.14	13	0.14	14
8Y	Arlington	Crystal City Streets: 12th St Transitway, Clark/Bell Realignment, and Intersection Improvements	Des, Eng, Env, Con	\$ 11,600,000	\$ 11,600,000	\$ 11,600,000	237	357	1,560,000	0.13	14	0.13	15
8EE	Dumfries	Widen Route 1 to Six Lanes (Brady's Hill Road to RT234)	ROW	\$ 168,766,000	\$ 16,500,000	\$ 161,366,000	4,009	5,877	21,534,240	0.13	14	0.13	15
6S	Arlington	East Falls Church Regional Connections and Access Project	Des, Eng, Env, Con, Acq	\$ 6,500,000	\$ 6,500,000	\$ 6,500,000	110	146	781,872	0.12	16	0.12	17
8DD	Alexandria	Potomac Yard Metrorail Station	Des, Con (Design-Build)	\$ 287,484,000	\$ 66,000,000	\$ 66,000,000	3,287	4,617	21,577,920	0.08	17	0.33	10
8CC	Alexandria	West End Transitway	Des, Eng	\$ 142,414,938	\$ 7,000,000	\$ 110,400,000	1,344	1,745	7,728,877	0.05	18	0.07	18
1U	Leesburg	Route 7 (East Market Street) / Battlefield Parkway Interchange	Con	\$ 58,000,000	\$ 37,000,000	\$ 42,000,000	275	772	2,858,310	0.05	18	0.07	18
8AA	Fairfax	Widening US1 Richmond Highway (Mt Vernon Hwy to Napper Rd)	Eng, ROW	\$ 215,000,000	\$ 5,000,000	\$ 200,000,000	1,583	1,666	6,384,105	0.03	20	0.03	20
6V	Prince William	Widen Route 15 to Four Lanes (Route 55 to south of RR tracks) & Construct RR Overpass	Des, ROW, Con	\$ 45,000,000	\$ 20,000,000	\$ 45,000,000	157	287	1,128,790	0.03	20	0.03	20
6U	Fairfax	Seven Corners Ring Road Improvements	Des, Eng, Env, ROW	\$ 52,100,000	\$ 5,000,000	\$ 52,100,000	224	530	1,649,310	0.03	20	0.03	20
8Z	Fairfax	Frontier Drive Extension and Braided Ramps	Des, Eng, Env, ROW	\$ 84,500,000	\$ 15,000,000	\$ 79,500,000	436	623	2,661,919	0.03	20	0.03	20
1T	Herndon	East Elden Street Improvements and Widening Project	ROW, Con	\$ 35,611,000	\$ 18,700,000	\$ 35,611,000	56	115	452,270	0.01	24	0.01	24
<b>TOTAL</b>				<b>\$ 2,082,110,616</b>	<b>\$ 667,843,951</b>	<b>\$ 1,569,391,522</b>							

Notes: <sup>1</sup> 'NVTA Share' includes FY17 NVTA request, planned future funding request to NVTA, and 100% of identified funding gaps  
<sup>2</sup> These values come from HB599 evaluation. For details, go to the VDOT HB599 presentation link on NVTA website  
<sup>3</sup> Sum of annual person hours of congestion reduced (derived by extrapolating 2020 and 2040 values) from project completion until 2040  
<sup>4</sup> Unit for these ratios is Reduction in Annual Person Hours of Delay per Dollar