

## Appendix B - TransAction Projects by Jurisdiction

The 2017 TransAction 2040 projects are listed in the tables below by jurisdiction. Project descriptions and costs are from NVTA TransAction 2040 [Appendix G](#). New lane miles for highway and roadway projects were estimated by CSG as described in Appendix A.

### City of Alexandria

ID #	Project Name	Cost FY17 (\$M)	Estimated new lane miles
<b>Roadway Traffic Operations Projects (do not expand lane capacity)</b>			
6	King Street, North Quaker Lane, and West Braddock Road Intersection Improvements	5.1	
113	Alexandria ITS Projects	6.0	
	<b>Total</b>	<b>11.1</b>	
<b>Transit, Pedestrian, Bicycle, Complete Streets Near Transit and TDM Projects</b>			
41	Alexandria Duke Street Transitway	159.0	
42	West End Transitway	144.0	
85	DASH Transit Service Enhancements and Expansion	43.6	
87	King Street Metrorail and Alexandria Union Station Improvements	35.4	
90	Alexandria Bike and Pedestrian Trails Construction and Reconstruction	33.9	
194	Alexandria Bus Network ITS	3.0	
195	Landmark Transit Station Improvements	6.4	
196	Arlandria/Del Ray/Lynhaven/Potomac Yard Roadway and Bicycle/Pedestrian Improvements	30.3	
197	West End Alexandria Roadway Improvements	84.0	
203	Metrorail Station Improvements within the City of Alexandria	9.7	
347	Van Dorn Intermodal Facility	5.0	
	<b>Total</b>	<b>554.3</b>	

## Arlington County

ID #	Project Name	Cost FY17 (\$M)	Estimated new lane miles
<b>Other Major Road expansion projects (new lanes, class 4+ road, not included in SHIFT analysis)</b>			
61	Clarendon Circle Multimodal Improvements	4.0	0.2
	<b>Total</b>	<b>4.0</b>	<b>0.2</b>
<b>Roadway Traffic Operations Projects (do not expand lane capacity)</b>			
104	Arlington ITS Projects	15.2	
	<b>Total</b>	<b>15.2</b>	
<b>Transit, Pedestrian, Bicycle, Complete Streets Near Transit and TDM Projects</b>			
62	East Falls Church Metrorail Station Second Entrance	80.8	
63	Ballston-MU Additional Entrance	101.5	
65	Courthouse Metrorail Station Access	17.6	
69	Ballston Multimodal Improvements	5.0	
70	East Falls Church Metrorail Station Multimodal Improvements	7.0	
71	Lee Highway Bus Improvements	5.0	
72	Arlington Regional Trail Network	17.2	
83	Crystal City, Pentagon City, and Potomac Yard Street Grid Improvements	87.0	
88	Crystal City Metrorail Station Multimodal Improvements	1.4	
89	Crystal City Metrorail Station Second Entrance	67.8	
102	Columbia Pike Corridor Urban Bicycle/Pedestrian Network	102.1	
103	Arlington TDM Package	15.2	
111	Rosslyn-Ballston Corridor Urban Pedestrian/Bicycle Network	10.6	
112	Crystal City Corridor Urban Pedestrian/Bicycle Network	12.7	
117	Metroway: Pentagon City Extension	35.3	
122	ART Service Expansion	59.4	
123	ART Service Improvements and Bus Maintenance Facilities	17.2	
126	Rosslyn Bus Transit Center	5.0	
290	Arlington Mobility Hubs	25.9	
291	Off-vehicle Fare Collection	10.0	
292	Lee Highway (Route 29) Multimodal Improvements	28.3	
321	Pentagon City Metrorail Second Entrance	4.8	
322	Shirlington Bus Station Expansion	2.9	
323	Crystal City Bus Improvements	2.7	
346	Rosslyn-Ballston Corridor Express Bus	15.0	
	<b>Total</b>	<b>737.4</b>	

## Fairfax County (incl. City of Fairfax)

ID #	Project Name	Cost FY17 (\$M)	Estimated new lane miles
<b>Principal Arterial expansion projects (new lanes, class 2 or 3 highway, included in SHIFT analysis)</b>			
1	Route 7 Widening: Chain Bridge Road (Route 123) to I-495	55.2	1.8
2	Route 7 Widening: I-495 to I-66	88.0	2.8
3	Route 7 Widening: Seven Corners to Bailey's Crossroads	56.7	4.8
14	Chain Bridge Road (Route 123) Widening: Leesburg Pike (Route 7) to Old Courthouse Road	22.8	0.7
26	Route 28 Widening: I-66 to Loudoun County line	230.6	16.0
30	Route 28 Widening: Route 29 to Prince William County Line	69.7	5.4
51	Fairfax County Parkway Widening: Dulles Toll Road to Route 7	119.4	8.6
52	Fairfax County Parkway Widening: Franconia-Springfield Parkway to I-66	319.1	27.4
54	Rolling Road Widening: Hunter Village Drive to Old Keene Mill Road	13.7	3.2
55	Fairfax County Parkway Widening: Route 123 to Sydenstricker Road	89.7	incl. in #52
57	Fairfax County Parkway Widening: Ox Road (Route 123) to Lee Highway (Route 29)	144.0	incl. in #52
60	Route 50 Widening: City of Fairfax to Arlington County	46.2	13.4
68	Route 123 Widening: City of Fairfax to Town of Vienna	109.1	7.0
76	Little River Turnpike Widening: City of Fairfax to I-395	105.9	14.8
98	Route 123 Widening: Braddock Road to City of Fairfax	16.7	1.4
213	Dulles Airport Access Road Widening: Dulles Airport to Route 123	40.6	25.4
214	Route 1 Widening: Route 235 North to Route 235 South	176.3	5.6
216	Route 29 Widening: City of Fairfax to I-495	140.4	6.0
217	Route 29 Widening: Waples Mill Road (Route 665) to Pickwick Road	67.7	9.4
219	Route 123 Widening: Hoes Road to Braddock Road	358.3	20.2
220	Chain Bridge Road Widening: Route 7 to I-495	22.3	1.6
223	Widen/Upgrade/Convert Fairfax County Parkway to Include HOV Lanes: Dulles Toll Road to I-66	328.4	15.8
225	Upgrade Franconia-Springfield Parkway to Include HOV lanes: Rolling Road to Backlick Road	15.0	4.2
282	Route 1 Widening: Occoquan River Bridge to Telegraph Road (Route 235 North)	230.0	8.4
	<b>Total</b>	<b>2,865.8</b>	<b>203.9</b>
<b>Other Major Road expansion projects (new lanes, class 4+ road, not included in SHIFT analysis)</b>			
17	Dulles Toll Road - Town Center Parkway Underpass	180.0	1.4

18	Seven Corners Ring Road Improvements	712.5	1.3
20	Hunter Mill Road and Sunset Hills Road Improvements	50.6	0.6
28	Centreville Road Widening: Herndon Parkway to Walney Road	708.2	12.6
58	Shirley Gate Road Extension: Braddock Road to Fairfax County Parkway	30.3	3.4
64	Stone Road Overpass over I-66: Route 29 to Route 28	86.3	3.4
99	Braddock Road Widening: Ox Road to Fairfax County Parkway	39.5	5.8
226	Construct Collector-Distributor Road Parallel to Dulles Toll Road: Wiehle Avenue to Spring Hill Road	222.4	12.0
228	Reston Parkway Widening: South Lakes Drive to Dulles Toll Road (Route 267)	14.1	1.4
229	Telegraph Road Widening: Beulah Street to Franconia Road	26.3	8.7
230	Construct/Widen New Braddock Road: Route 28 to Stone Road	37.5	0.0
231	Boone Boulevard Extension: Chain Bridge Road (Route 123) to Ashgrove Lane	34.9	4.4
232	Magarity Road Widening: Route 7 to Great Falls Street	57.8	3.0
332	Construct Lanes on Reston Parkway: Sunrise Valley Drive to Baron Cameron Avenue	34.1	1.8
349	Braddock Road Widening: Route 28 to Fairfax County Line	36.1	8.8
	<b>Total</b>	<b>2,270.6</b>	<b>68.6</b>
<b>Interchange capacity expansion projects (new or expanded interchange, not included in SHIFT analysis)</b>			
4	Construct Interchange at Route 267 and Greensboro Drive	85.9	
5	Construct Interchange at Route 267 and Boone Boulevard	96.6	
27	Construct Interchange at Route 28 and New Braddock Road	74.5	
53	Construct Interchange at Fairfax County Parkway and Route 1	37.5	
75	Construct Interchange at Van Dorn Street and Franconia Road	147.7	
82	Construct Interchange at Route 1 and Telegraph Road	37.5	
124	Interchange Improvements at Fairfax County Parkway and Sunrise Valley Drive	423.6	
207	Interchange Improvements at Route 267 and Route 123	75.8	
208	Underpass at Intersection of Route 123, Lewinsville Road, and Great Falls Street	85.9	
209	Interchange Improvements at Route 123 and Route 7	124.4	
224	Construct HOV interchange at Franconia-Springfield Parkway and Neuman Street	70.0	
	<b>Total</b>	<b>1,259.4</b>	
<b>Roadway Traffic Operations Projects (do not expand lane capacity)</b>			
135	Fairfax Boulevard Multimodal Improvements	2.6	
136	Jermantown Road Multimodal Improvements	22.9	
137	Route 123 Multimodal Improvements	18.8	
138	Old Lee Highway Multimodal Improvements	22.6	

140	Northfax Network Improvements	16.2	
141	Fairfax Circle Intersection Improvements	2.8	
142	Northfax Intersection Improvements	43.5	
210	Modified Intersections on Route 123: International Drive to Dulles Toll Road	86.9	
336	Braddock Road Intersection Improvements: Guinea Road to Ravensworth Road	35.4	
343	Dulles Greenway Merge Lanes	15.0	
344	Route 28 Reversible HOV Lanes:I-66 to Dulles Toll Road	330.0	
351	South Elden St Reconstruction	23.3	
352	Sterling Road Reconstruction	10.8	
	<b>Total</b>	<b>630.8</b>	
<b>Transit, Pedestrian, Bicycle, Complete Streets Near Transit and TDM Projects</b>			
7	Soapstone Drive Extension	222.4	
8	Tysons Circulator	121.3	
12	Herndon Metrorail Multimodal Improvements	12.5	
21	Bike Lanes on Route 7: Alexandria to Seven Corners	1.6	
22	Herndon Bikesharing Services	1.3	
31	Route 7 Transit: Tysons to Mark Center	267.0	
37	Merrifield-Tysons High Capacity Transit	396.4	
39	Route 1 BRT	1,017.0	
43	Route 236 Enhanced Bus Service in Fairfax County	78.4	
47	Route 28 Trail	19.1	
56	Fairfax County Parkway Priority Express Bus Service	3.4	
59	Vienna Metrorail Station Feeder Bus Service Expansion	3.9	
67	Route 29 Trail	4.5	
84	Frontier Drive Extension and Intersection Improvements	82.1	
100	Route 123 Enhanced Bus Service	32.9	
110	South Fairfax County Feeder Bus Service	14.2	
139	Fairfax Citywide Pedestrian/Bicycle Access	17.3	
198	Vienna Regional Bikesharing	0.5	
199	Vienna Metrorail Access Improvements	10.0	
205	Greensboro Drive Extension: Spring Hill Road to Tyco Road	8.8	
206	I-495 Overpass at Tysons Corner Center	15.9	
289	Dunn Loring to Ballston Enhanced Bus	2.0	
330	Fairfax County Express Bus: Reston to Franconia-Springfield	34.4	
331	Tysons Express Bus	34.4	
345	Reston Town Center Express Bus	20.1	
	<b>Total</b>	<b>2,421.4</b>	
Note: A portion of project #39 would extend to Woodbridge in Prince William County			

## City of Falls Church

ID #	Project Name	Cost FY17 (\$M)	Estimated new lane miles
<b>Projects without Roadway Vehicle Traffic Focus</b>			
66	Falls Church Multimodal Improvements	30.3	
118	East Falls Church Bikeshare Connections	3.0	
133	Falls Church Enhanced Bus Service	4.0	
134	Falls Church Enhanced Regional Bike Routes (W&OD)	4.0	
143	City of Fairfax Transit Enhancements	6.2	
334	Falls Church Metro Station Access	10.1	
335	Falls Church Regional Bicycle Connections	0.3	
	<b>Total</b>	<b>57.9</b>	

## Loudon County

ID #	Project Name	Cost FY17 (\$M)	Estimated new lane miles
<b>Principal Arterial expansion projects (new lanes, class 2 or 3 highway, included in SHIFT analysis)</b>			
23	Outer Potomac River Crossing (Loudoun County portion only)	1,262.0	12.0
129	Route 15 Widening: Harmony Church Road to Mason Lane	12.8	2.5
130	Route 7 Widening: Battlefield Parkway to Leesburg Eastern Town Limit	23.3	1.9
155	Route 28 Widening: Fairfax County line to Old Ox Road (Route 606)	24.1	6.0
158	Battlefield Parkway Widening/Extension: Edwards Ferry Road to Route 15	80.9	7.4
159	Route 28 Widening: Route 7 to Old Ox Road (Route 606)	35.2	9.4
163	Route 7 Widening: Route 15 (Leesburg Bypass) to Atlantic Boulevard (Route 1902)	111.0	15.6
166	Route 50 Widening: Northstar Boulevard (Route 659) to Lenah Loop Road	15.6	4.0
168	Route 7 Widening: West Market Street (Route 7 Business) to Charles Town Pike (Route 9)	54.9	9.2
169	Loudoun County Parkway Widening: Old Ox Road (Route 606) to Route 50	98.4	4.0
170	Loudoun County Parkway Widening: Route 50 to Braddock Road (Route 620)	81.3	4.2
171	Construct Loudoun County Parkway: Braddock Road (Route 620) to Fairfax County Line	84.8	13.8

172	Old Ox Road Widening: Route 28 to Fairfax County Line	16.3	4.4
173	Route 7 Bypass Widening: Route 9 (Charles Town Pike) to Route 7 Business (West Loudoun Street)	137.2	16.6
174	Old Ox Road Widening: Route 28 to Dulles Greenway (Route 267)	30.2	3.8
175	Loudoun County Parkway Widening: George Washington Boulevard (Route 1050) to Waxpool Road (Route 625)	63.4	7.4
176	Loudoun County Parkway Widening: Waxpool Road (Route 625) to Dulles Greenway (Route 267)	27.4	3.4
177	Loudoun County Parkway Widening: Old Ox Road (Route 606) to Dulles Greenway (Route 267)	76.8	9.0
191	Route 15 Bypass Widening: Battlefield Parkway to Montresor Road.	6.1	7.0
306	Leesburg Bypass Widening: Route 15 to West Market Street	65.7	3.6
307	Leesburg Bypass Widening: East Market Street to Route 15	67.7	3.6
314	Route 50 Widening and Interchanges: Poland Road to Northstar Boulevard	243.8	7.2
	<b>Total</b>	<b>2,618.9</b>	<b>156.0</b>
<b>Other Major Road expansion projects (new lanes, class 4+ road, not included in SHIFT analysis)</b>			
119	Construct Northstar Boulevard: Shreveport Drive to Route 50	65.1	5.6
121	Westwind Drive Extension	44.5	4.0
144	Ryan Road Widening: Northstar Boulevard (Route 659) to Evergreen Mills Road (Route 621)	8.0	2.9
146	Sterling Boulevard Widening: Sully Road (Route 28) to Davis Drive (Route 868)	10.3	1.4
148	Pacific Boulevard Extension: Old Ox Road (Route 606) to Innovation Avenue (Route 209)	12.9	3.6
149	Russell Branch Parkway Widening: Pacific Boulevard (Route 1036) to Claiborne Parkway (Route 901)	37.1	9.4
152	Smith Switch Road Widening: Waxpool Road (Route 625) and Gloucester Parkway (Route 2150)	6.0	2.2
153	Gloucester Parkway Widening: Sully Road (Route 28) to Loudoun County Parkway (Route 607)	11.1	1.8
154	Riverside Parkway Widening/Extension: Loudoun County Parkway (Route 607) to Belmont Ridge Road (Route 659)	51.8	6.2
156	Construct Airport Area Connector: Battlefield Parkway to Crosstrail Boulevard (Route 653)	24.6	4.0
157	Construct Arcola Boulevard: Loudoun County Parkway (Route 607) to Route 50	95.0	10.2
160	Dulles West Boulevard Widening: Loudoun County Parkway (Route 606) to Northstar Boulevard (Route 659)	25.0	6.0
161	Dulles West Boulevard Extension: Northstar Boulevard (Route 659) to Lenah Loop Road	15.1	1.8
165	Construct Purcellville Route 7 North Collector Road: Eastern Purcellville JLMA Boundary (East of Route 287/Berlin Turnpike) to Hillsboro Road (Route 690)	38.6	10.0

167	Innovation Avenue Widening: Route 28 (Sully Road) to Fairfax County Line	13.2	2.2
178	Braddock Road Widening: Northstar Boulevard to Fairfax County Line	25.2	8.0
179	Evergreen Mills Road Widening: Loudoun County Parkway (Route 606) to Northstar Boulevard (Route 659)	10.3	3.0
180	Evergreen Mills Road Widening: Shreveport Drive to Battlefield Parkway	48.3	17.8
181	Evergreen Mills Road Widening: Battlefield Parkway to Route 15	11.1	2.0
182	Waxpool Road Widening: Church Road to Ashburn Road (Route 641)	35.2	6.6
183	Sycolin Road Widening: Belmont Ridge Road (Route 659) to Battlefield Parkway	26.2	9.6
185	Construct Crosstrail Boulevard (Route 653): Route 7 to Dulles Greenway (Route 267)	69.4	12.7
186	Belmont Ridge Road Widening: Riverside Parkway (Route 2401) to Route 7	9.3	0.9
187	Belmont Ridge Road Widening: Croson Lane (Route 645) to Northstar Boulevard (Route 659)	1.4	0.5
188	Northstar Boulevard Widening: Belmont Ridge Road (Route 659) to Braddock Road (Route 620)	112.0	22.6
189	Relocation Drive Widening: Old Ox Road (Route 606) to Pacific Boulevard (Route 1036)	5.3	2.0
234	Construct Western Segment of Russell Branch Parkway: Belmont Ridge Road to Tournament Parkway	16.6	5.6
313	Extend Russell Branch Parkway (Leesburg): Cochran Mill Road (Route 653) to Trailview Boulevard	10.6	6.4
315	Belmont Ridge Road Widening: Shreveport Drive to Evergreen Mills Road (Route 621)	1.5	1.0
316	Gum Spring Road Widening: Dawsons Corner Boulevard to Prince William County Line	14.3	5.0
	<b>Total</b>	<b>855.0</b>	<b>175.0</b>
<b>Interchange capacity expansion projects (new or expanded interchange, not included in SHIFT analysis)</b>			
96	Construct Interchange at Route 15 Bypass and Battlefield Parkway	46.8	
97	Construct Interchange at Route 123 and Braddock Road	148.3	
120	Intersection Improvements at Waxpool Road and Loudoun County Parkway	6.1	
131	Interchange Improvements at Route 15 Leesburg Bypass and Edwards Ferry Road	90.1	
190	Construct Interchange at Loudoun County Parkway and Arcola Boulevard	37.5	
193	Construct Interchange at Route 7 and Battlefield Parkway	56.6	
	<b>Total</b>	<b>385.4</b>	



<b>Roadway Traffic Operations Projects (do not expand lane capacity)</b>			
192	Improve Interchange at Route 28 and Old Ox Road (Route 606)	9.4	
285	Route 15 Congestion Mitigation Improvements	40.4	
308	Route 7 Hot Spot and Safety Improvements: Fairfax County Line to Clark County Line	19.5	
309	Route 7 Business Hot Spot and Safety Improvements: Route 9 to Round Hill	5.3	
310	Route 9 Hot Spot and Safety Improvements: West Virginia State Line to Route 7	8.3	
311	Route 15 Hot Spot and Safety Improvements: Prince William County Line to Maryland State Line	10.3	
312	Route 287 Hot Spot and Safety Improvements: Route 7 Business to Maryland State Line	8.0	
318	Route 50 Improvements: Fairfax County Line to Fauquier County Line	22.0	
327	Route 9 Traffic Calming	23.1	
342	Route 7 Reversible Lanes: Dulles Toll Road to Route 9	162.2	
	<b>Total</b>	<b>308.5</b>	
<b>Transit, Pedestrian, Bicycle, Complete Streets Near Transit and TDM Projects</b>			
9	East Loudoun Park-and-Ride	8.1	
10	West Loudoun "Gateway" Park-and-Ride	9.1	
13	Transit Connections to Silver Line Phase II Stations	16.0	
15	Leesburg North Park-and-Ride	6.1	
16	One Loudoun Park-and-Ride	6.1	
19	Davis Drive Extension and Dulles Toll Road: Rock Hill Overpass	180.0	
109	Loudoun County Phase III Bus Service	11.8	
132	Route 50 Dulles Park-and-Ride Lot	6.0	
145	Lockridge Road Widening and Extension: Old Ox Road (Route 606) to Waxpool Road (Route 640)	14.5	
147	Sterling Boulevard Extension: Randolph Drive (Route 1072) to Pacific Boulevard (Route 1036)	40.4	
150	Prentice Drive Extension: Lockridge Road (Route 789) to Shellhorn Road (Route 643)	19.7	
151	Prentice Drive Extension to Greenway Transit	3.3	
162	Construct Greenway Loop Road (Barrister Street): State Street/Landmark Court to Prentice Drive (Route 1071/Route 789 Extended)	23.6	
164	Construct Moorefield Boulevard: Mooreview Parkway (Route 772) to Loudoun County Parkway (Route 607)	18.0	
184	Extend Shellhorn Road: Loudoun County Parkway (Route 607) to Randolph Drive (Route 1072)	50.6	
233	Construct Eastbound Route 606 Ramp	10.6	
288	Loudoun Metrorail Station Pedestrian Improvements	15.5	

317	Purchase Loudoun County Transit Buses	4.5	
	<b>Total</b>	<b>443.9</b>	

## City of Manassas

ID #	Project Name	Cost FY17 (\$M)	Estimated new lane miles
<b>Principal Arterial expansion projects (new lanes, class 2 or 3 highway, included in SHIFT analysis)</b>			
48	Godwin Drive Widening: Sudley Road to Route 28	14.2	4.2
277	Liberia Avenue Widening: Prince William Parkway to Route 28	94.9	1.3
	<b>Total</b>	<b>109.1</b>	<b>5.5</b>
<b>Other Major Road expansion projects (new lanes, class 4+ road, not included in SHIFT analysis)</b>			
278	Route 28 Widening: Liberia Avenue to Manassas Park Northern City Line	7.0	1.8
	<b>Total</b>	<b>7.0</b>	<b>1.8</b>
<b>Transit, Pedestrian, Bicycle, Complete Streets Near Transit and TDM Projects</b>			
201	New Manassas to Dulles OmniRide	10.7	
	<b>Total</b>	<b>10.7</b>	

## City of Manassas Park

ID #	Project Name	Cost FY17 (\$M)	Estimated new lane miles
<b>Principal Arterial expansion projects (new lanes, class 2 or 3 highway, included in SHIFT analysis)</b>			
29	Route 28 Widening: Conner Drive to Old Centreville Road	11.0	0.6
	<b>Total</b>	<b>11.0</b>	<b>0.6</b>

## Prince William County

ID #	Project Name	Cost FY17 (\$M)	Estimated new lane miles
<b>Principal Arterial expansion projects (new lanes, class 2 or 3 highway, included in SHIFT analysis)</b>			
49	Prince William Parkway Widening at I-95	21.3	0.5
50	Sudley Road Widening: I-66 to Balls Ford Road	1.6	0.5
79	Route 1 Widening: Joplin Road to Russell Road	71.6	4.2
91	East Potomac River Crossing	958.5	27.6
92	Widen/Relocate Route 1: Brady's Hill Road to Dumfries Road (Route 234)	193.8	3.8
95	Route 15 Widening: Route 234 to Loudoun County line	46.8	8.5
215	Add Northbound Lane on Route 29: I-66 to Conway Robinson Memorial State Forest	2.2	0.7
218	Route 123 Widening: Annapolis Way to Route 1	111.3	0.4
227	Construct Route 234 Bypass North: I-66 to Route 50	466.4	40.8
243	Dumfries Road Widening: Brentsville Road to Country Club Drive	349.1	24.0
244	Gordon Boulevard Widening: Fairfax County Line to Express Drive/Belmont Bay Drive	54.3	3.6
246	Extend Potomac Shores Parkway: Route 1 to Cherry Hill Road	44.1	8.6
250	Route 15 Widening: Haymarket Town Limits to Route 29	53.9	5.6
251	Route 1 Widening: Dumfries Road (Route 234) to Cardinal Drive	200.0	5.4
253	Route 29 Widening: Route 15 to Virginia Oaks Drive	93.1	5.2
254	Construct Manassas Battlefield Bypass	28.5	8.0
263	Prince William Parkway Widening: I-66 to Brentsville Road	306.3	17.0
264	Prince William Parkway Widening: Liberia Avenue to Hoadly Road	253.0	14.2
329	Route 15 Improvements with Railroad Overpass	26.4	incl. in #250
350	Construct Route 28 Corridor Roadway Improvements	136.5	16.0
	<b>Total</b>	<b>3,418.7</b>	<b>194.6</b>
<b>Other Major Road expansion projects (new lanes, class 4+ road, not included in SHIFT analysis)</b>			
235	Construct University Boulevard: Progress Court to Sudley Manor Drive	33.0	13.6
237	Eastbound Joplin Road Widening: I-95 to Route 1	8.0	0.6
238	Balls Ford Road Widening: Wellington Road to Coppermine Drive	53.6	7.2
239	Catharpin Road Widening: Heathcote Boulevard to John Marshall Highway	7.9	1.4
240	Cushing Road Widening: Balls Ford Road to I-66	7.7	1.0
241	Dale Boulevard Widening: Route 1 to Benita Fitzgerald Drive	66.2	3.8
242	Devlin Road Widening: Wellington Road to Linton Hall Road	26.1	4.0
245	Gum Spring Road Widening: Loudoun County Line to Sudley Road	14.0	0.6

247	Construct Haymarket Bypass: Old Carolina Road to Route 15	11.5	4.0
248	Hornbaker Road Widening: Wellington Road to Nokesville Road	28.1	4.2
252	John Marshall Highway Widening: Thoroughfare Road to Route 29	68.9	7.8
255	McGraws Corner Drive Widening: Thoroughfare Road to Route 29	18.0	2.0
256	Neabsco Road Widening: Route 1 to Daniel Ludwig Drive	20.3	3.0
257	Neabsco Mills Road Widening: Smoke Court to Route 1	26.3	1.8
258	Construct North South Road: University Boulevard to Wellington Road	11.8	3.6
259	Old Bridge Road Widening: Colby Drive to Minnieville Road	13.1	0.7
260	Old Carolina Road Widening: Heathcote Boulevard to Route 29	32.6	5.0
261	Old Centreville Road Widening: Fairfax County Line to Route 28	65.4	3.6
262	Opitz Boulevard Widening: Gideon Drive to Route 1	54.9	3.0
265	Construct River Heritage Boulevard: Potomac Shores to Patriot Circle	25.2	8.0
266	Complete Rollins Ford Road: Vint Hill Road to Wellington Road	44.2	5.0
267	Construct Station Road: University Boulevard to Balls Ford Road	22.0	5.6
268	Sudley Road Widening: Route 15 to Route 29	179.1	15.2
269	Sudley Manor Drive Widening: Prince William Parkway to Sudley Road	62.4	3.6
270	Summit School Road Extension and Widening: Minnieville Road to Telegraph Road	36.0	4.7
271	Telegraph Road Widening: Minnieville Road to Prince William Parkway	40.6	2.3
272	Thoroughfare Road Widening: Route 15 to McGraws Corner Drive	14.8	1.9
273	Construct Van Buren North Road: Cardinal Drive to Dumfries Road	60.9	10.0
274	Construct Van Buren South Road: Dumfries Road to Mine Road	15.4	2.2
275	Vint Hill Road Widening: Fauquier County Line to Schaeffer Lane	71.9	10.4
276	Wellington Road Widening: Limestone Drive to Godwin Drive	160.3	12.2
	<b>Total</b>	<b>1,300.2</b>	<b>152.0</b>
<b>Interchange capacity expansion projects (new or expanded interchange, not included in SHIFT analysis)</b>			
24	Reconstruct Interchange at Route 28 and Prince William Parkway	13.8	
221	Construct Interchange at Route 234 Bypass and Balls Ford Road	133.5	
222	Construct Interchange at Route 234 and Sudley Manor Drive	127.1	
279	Construct Interchange at Prince William Parkway and Minnieville Road	67.0	
280	Construct Interchange at Prince William Parkway and Smoketown Road	67.0	
283	Construct Interchange at Route 234 and Brentsville Road	106.0	
284	Construct Interchange at Prince William Parkway and Clover Hill Road	37.5	

286	Construct Interchange Route 1 and Dale Boulevard	37.5	
324	Construct Interchange at Prince William Parkway and University Boulevard.	37.5	
325	Construct Interchange at Route 1, Dumfries Road (Route 234), and Potomac Shores Parkway.	9.4	
326	Construct Interchange at Prince William Parkway (Route 294) and Old Bridge Road	37.5	
	<b>Total</b>	<b>673.8</b>	
<b>Roadway Traffic Operations Projects (do not expand lane capacity)</b>			
25	Route 234 Arterial Operations Improvements	1.4	
287	Construct Roundabout at Route 1 and Joplin Road/Fuller Road	9.4	
341	Joplin Road Improvements	0.3	
	<b>Total</b>	<b>11.1</b>	
<b>Transit, Pedestrian, Bicycle, Complete Streets Near Transit and TDM Projects</b>			
200	New Central and East Prince William County to Pentagon and DC OmniRide	12.0	
202	New Gainesville and Haymarket to Dulles OmniRide	10.9	
295	Increase Off-peak Transit Service on I-95 Corridor	7.1	
296	Implement New OmniLink Service	69.0	
319	I-66 Corridor Park-and-Ride in Prince William County	30.0	
320	I-95 Corridor Park-and-Ride in Prince William County	50.8	
281	Annapolis Way Connector	11.1	
	<b>Total</b>	<b>190.9</b>	
Note: see project #39 Route 1 BRT, included in Fairfax County table, a portion of this project would connect to Prince William County			

## Interstate Highways

ID #	Project Name	Cost FY17 (\$M)	Estimated new lane miles
<b>Interstate expansion projects (new lanes, class 1 highway, included in SHIFT analysis)</b>			
77	I-495 HOT Lanes: Route 267 to George Washington Memorial Parkway	159.0	9.0
78	I-95/I-495 Managed Lanes from I-395 into Maryland via Woodrow Wilson Bridge	110.0	20.0
204	I-66 Spot Improvements - Spot 3	18.0	1.0
211	Widen Auxiliary Lanes on I-495: Heming Avenue to Georgetown Pike	120.0	6.0
249	I-66 Widening: Fauquier County Line to Antioch Bridge Road	50.0	11.2
328	I-95 General Purpose Lanes Widening: Occoquan River Bridge to Dumfries Road (Route 234)	415.8	8.1
337	I-495 HOT Lanes: American Legion Bridge to I-270	250.0	20.4
	<b>Total</b>	<b>1,122.8</b>	<b>75.7</b>
<b>Total new lane miles in Northern Virginia (excluding approximate new lane miles in Maryland)</b>			<b>56.5</b>
<b>Interchange capacity expansion projects (new or expanded interchange, not included in SHIFT analysis)</b>			
80	I-95 Improvements at Franconia Springfield Parkway	50.6	
81	I-95 Flyover Ramp at Fairfax County Parkway	78.3	
212	Reconstruct Interchange at I-495 and Route 267	84.8	
236	Reconstruct Interchange at I-95 and Van Dorn Street (Route 613)	42.4	
	<b>Total</b>	<b>256.1</b>	

## Other Multi-Jurisdictional Projects

ID #	Project Name	Cost FY17 (\$M)	Estimated new lane miles
<b>Principal Arterial expansion projects (new lanes, class 2 or 3 highway, included in SHIFT analysis)</b>			
23	Outer Potomac River Crossing (portion in Montgomery County, MD, approximate new lane mile estimate based on TransAction Appendix G project description and Plan Project Map)	<i>see Loudoun</i>	58.0
91	East Potomac River Crossing (portion in Charles County, MD, approximate new lane mile estimate based on TransAction Appendix G project description and Plan Project Map)	<i>see Prince William</i>	87.0
	<b>Total</b>		<b>145.0</b>
<b>Roadway Traffic Operations Projects (do not expand lane capacity)</b>			
73	East-West ICM Program: Parallel Arterial Operations Improvements	2.6	
74	Connected Vehicle/Traffic Signal Integration Deployment	8.7	
94	I-95/I-395 ICM Program	15.5	
293	Theodore Roosevelt Bridge HOT lanes	8.0	
294	14th Street Bridge HOT lanes	10.0	
338	I-95 ITS/ICM Improvements	40.0	
339	Northern Virginia ITS/ICM Improvements	380.0	
348	I-495 / I-395 Lane Restrictions	75.0	
	<b>Total</b>	<b>539.8</b>	
<b>Transit, Pedestrian, Bicycle, Complete Streets Near Transit and TDM Projects</b>			
11	Leesburg-Alexandria Route 7 Trail	85.0	
32	Route 28 High-Capacity Transit	981.6	
33	High Capacity Transit Extension from Vienna Metrorail station to Centreville	2,289.6	
34	Metrorail Blue Line Core Realignment	6,781.7	
35	Wilson Bridge High Capacity Transit	1,325.0	
36	American Legion Bridge High Capacity Transit	61.5	
38	High Capacity Transit Extension to Potomac Mills	1,541.0	
40	Columbia Pike Express Transit Network (PrTN)	31.2	
44	Route 50 BRT	10.0	
45	Route 29 BRT	125.0	
46	Route 29 and Route 50 Enhanced Bus	30.0	
86	I-395 Bus Lanes	5.6	
93	Fredericksburg Line Rail Capacity Improvements	862.7	
101	Metrorail Fleet Expansion	2,084.9	
106	Metrobus Priority Corridor Network (PCN) Plan	78.1	

107	Expansion of Metrobus and Fairfax Connector Bus Services	20.1	
114	Metrorail Pocket Track Improvements	731.7	
115	VRE Fredericksburg and Manassas Line Off-peak Service	20.0	
116	Implement Integrated Regional Rail Service: VRE-MARC Runthrough Service	356.9	
125	New Bus Garage in Northern Virginia	75.8	
127	I-66/ Orange Line Bus Facility Improvements	24.0	
128	Metrorail Blue and Yellow Line Bus Facility Improvements	33.0	
297	Widen Long Bridge	700.3	
298	VRE Alexandria-DC Rail Capacity	294.2	
299	VRE Alexandria Station Improvements	33.0	
300	VRE Manassas Line Rail Capacity	498.6	
301	Fredericksburg Line Service Expansion	161.5	
302	Fredericksburg Line Peak Period Service Expansion	216.2	
303	Manassas Line Peak Period Service Expansion	126.8	
304	VRE Express Service - Fredericksburg Line	31.8	
305	VRE Express Service - Manassas Line	21.2	
105	Metrorail Station Access and Capacity Improvements	968.4	
108	Metrorail Real-Time Parking Information	56.0	
333	Transit Boulevard along Sycamore Street and Roosevelt Street: East Falls Church Metrorail to Seven Corners	3.2	
340	Northern Virginia TDM Strategies	53.3	
	<b>Total</b>	<b>20,718.9</b>	