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NVTA's TransAction

Transportation Action Plan for Northern Virginia

TransAction Plan Project List *Draft for Public Comment*

Spring/Summer 2017

This project list includes a brief description of the 358 candidate regional projects included in TransAction. The projects are listed by Corridor Segment. Larger projects are listed under each Corridor Segment in which they are located, and may appear multiple times in this project list.

Review the TransAction Plan at: NVTATransAction.org/

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TransAction Corridors

- ★ MWCOG Activity Center
- # - # Corridor - Segment

NVTA Regional Travel Corridors

- Corridor 1: Route 7/Dulles Toll Road/Silver Line
- Corridor 2: Loudoun County Parkway/Bi-County Parkway/Route 234
- Corridor 3: Route 28
- Corridor 4: Prince William Parkway
- Corridor 5: Fairfax County Parkway
- Corridor 6: I-66/US 29/US 50/Orange-Silver Line/VRE Manassas
- Corridor 7: I-495
- Corridor 8: I-95/I-395/US 1/VRE Fredericksburg/Blue-Yellow Line
- Corridor 9: US 15
- Corridor 10: Columbia Pike/Braddock Road/VRE Manassas
- Corridor 11: US 50

Segment 1-1: Rt. 7/Rt. 9 — West Virginia state line to Town of Leesburg

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
1	11	Transit	West Loudoun "Gateway" Park-and-ride	Construct three new park-and-ride lots in West Loudoun (Hillsboro, Round Hill, and Lucketts)
2	14	Transit	Transit Connections to Silver Line Phase II Stations	Expand bus service and connections to Silver Line Phase II stations. Provide feeder bus service between Metrorail and P&R lots. Purchase buses for new service.
3	109	Transit	Loudoun County Phase III Bus Service	Implement Phase III bus service in Loudoun County, including local, express, intercounty, commuter, and demand-response services
4	164	Roadway	Construct Purcellville VA 7 North Collector Rd	Construct Purcellville VA 7 North Collector Rd between the eastern Purcellville JLMA boundary (east of VA 287/Berlin Turnpike) and Hillsboro Rd (VA 690): Construct a 4-lane roadway.
5	167	Roadway	Widen VA 7, W Market St to Charles Town Pike	Widen VA 7 (Harry Byrd Highway) from 4 to 8 lanes between West Market St (VA 7 business) and Charles Town Pike (VA 9). Construct grade-separated interchange at White Gate Place and remove all remaining at-grade access.
6	172	Roadway	Widen VA 7 Bypass (Purcellville)	Widen VA 7 Bypass (Harry Byrd Highway) from 4 to 6 lanes between VA 9 (Charles Town Pike) and VA 7 Business (West Loudoun St). Construct grade-separated interchanges at Hillsboro Rd (VA 690) and west of Round Hill at VA 7 business (West Loudoun St).
7	302	Roadway	Leesburg Bypass	Widen VA 7 to 6 lanes (limited access) from US 15 King St to West Market Street interchange.
8	304	Roadway	VA 7 "hot spot" and safety improvements	"Hot Spot" and safety improvements on VA 7 from the Fairfax County Line to the Clarke County Line, as directed by the Board.
9	305	Roadway	VA 7 "hot spot" and safety improvements	"Hot Spot" and safety improvements on VA 7 Business from VA 9 at Clark's Gap to VA 7 west of Round Hill, as directed by the Board.

Segment 1-1: Rt. 7/Rt. 9 — West Virginia state line to Town of Leesburg

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
10	306	Roadway	VA 9 "hot spot" and safety improvements	"Hot Spot" and safety improvements on VA 9 from the West Virginia State Line to VA 7 (Harry Byrd Highway), as directed by the Board.
11	308	Roadway	VA 287 "hot spot" and safety improvements	"Hot Spot" and safety improvements on VA 287 from VA 7 Business to the Maryland State Line, as directed by the Board.
12	313	Transit	Transit buses purchase	Purchase of buses in support of Loudoun County's transit services.
13	323	Roadway	VA Route 9 Traffic Calming	Construct safety improvements, traffic calming, and lane widening on Route 9 (Charles Town Pike), including the Town of Hillsboro. Project may include roundabouts and other pedestrian safety improvements
14	345	Roadway	Route 7 Reversible Lanes	Construct reversible lanes on VA-7 Leesburg Bypass between the Greenway Toll Road and VA-9

Segment 1-2: Rt. 7/Dulles Greenway — Town of Leesburg to Rt. 28

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
1	10	Transit	East Loudon Park-and-ride	Construct new park-and-ride lots at VA 7 at Dulles Town Center and VA 7 at VA 659
2	12	Bike/Ped	Leesburg-Alexandria VA 7 Trail	Construct trail along VA 7 from Leesburg to Alexandria
3	14	Transit	Transit Connections to Silver Line Phase II Stations	Expand bus service and connections to Silver Line Phase II stations. Provide feeder bus service between Metrorail and P&R lots. Purchase buses for new service.
4	16	Transit	Leesburg North Park-and-Ride	Construct Leesburg North Park-and-Ride Lot with 300 spaces at Crosstrail Blvd
5	17	Transit	One Loudoun Park-and-Ride	Construct 200 space park-and-ride lot at One Loudoun near the corner of VA 7 and Loudoun County Parkway
6	20	Roadway	Davis Drive Extension & Dulles Toll Road - Rock Hill Overpass	Extend Davis Dr (VA 868) from Glenn Drive (VA 864) to Fairfax County line at the future bridge over VA Route 267. Realign Rock Hill Rd with Davis Drive. Construct a 4-lane roadway over the Dulles Toll Road from Sunrise Valley Drive on the south, to Davis Drive extension in Loudoun County on the north side. The project would include pedestrian and bicycle facilities.
7	24	Roadway	Outer Potomac River Crossing	Construct crossing of Potomac River between Route 28 in Virginia to I-270 in Maryland
8	27	Roadway	VA 28 Widening, I-66 to Loudoun	Widen VA 28 to 10 lanes between I-66 and Loudoun County (8 GP + 2 HOV)
9	32	Transit	VA 28 LRT/BRT	Construct LRT / BRT line parallel to VA 28 from Manassas to Dulles Airport
10	33	Bike/Ped	VA 28 Trail	Construct a shared used path on both sides of VA 28 from Prince William County line to Dulles Toll Road
11	45	Transit	Vienna Metro Feeder Bus Service Expansion	Add new routes* and improve service levels on existing routes that serve the Vienna Metrorail station

Segment 1-2: Rt. 7/Dulles Greenway — Town of Leesburg to Rt. 28

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
12	61	ITS/ICM	East-West ICM Program: Parallel Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-66 corridor, including the deployment of intelligent signal monitoring/control technology to improve travel on east-west arterial facilities, including US 29, US 50, VA 7, and VA 236.
13	62	ITS/ICM	Connected Vehicle/Traffic Signal Integration Deployment	Traffic signal software integration to support future connected vehicle applications on multiple corridors including: I-66, I-495, US 29, US 50, and VA 7
14	93	Roadway	Interchange at US 15 and Battlefield Pkwy	Construct grade-separated interchange at US 15 (Leesburg Bypass) and Battlefield Parkway
15	100	Transit	Metrorail Fleet Expansion	Expand Metrorail fleet to enable operations of 100 percent eight-car trains during peak period. Expansion, upgrades, and replacements of the rail car fleet, traction power substations, power cabling, third rail, train control systems, and storage facilities.
16	108	Transit	Metrorail Real-Time Parking Info	Deployment of real-time parking information signage at WMATA rail stations
17	109	Transit	Loudoun County Phase III Bus Service	Implement Phase III bus service in Loudoun County, including local, express, intercounty, commuter, and demand-response services
18	120	Roadway	Waxpool Rd / Loudoun County Pkwy Intersection Improvements	Improve intersection at Waxpool Rd / Loudoun County Pkwy to include three westbound left-turn lanes on Waxpool Rd and a new free-flow right turn lane on Loudoun County Pkwy
19	121	Roadway	Westwind Drive Extension	Construct Westwind Dr / Ladbrook Dr (VA 645) to be 4 lanes across Broad Run between Loudoun County Pkwy (VA 607) and Old Ox Rd (VA 606). Construct a new grade-separated interchange at Old Ox Rd (VA 606).
20	128	Roadway	Widen Route 15, Harmony Church Rd to Mason Lane	Widen Route 15 to four lanes from Harmony Church Rd to Mason Lane

Segment 1-2: Rt. 7/Dulles Greenway — Town of Leesburg to Rt. 28

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
21	129	Roadway	VA 7 Widening, Battlefield Pkwy to Leesburg ECL	Widen VA 7 from 6 to 8 lanes between Battlefield Pkwy and Leesburg ECL
22	130	Roadway	Route 15 Bypass / Edwards Ferry Road Interchange	Construct a grade-separated interchange at the Route 15 Leesburg Bypass and Edwards Ferry Rd in Leesburg. Includes grade separated interchange at For Evans Rd intersection
23	144	Roadway	Lockridge Rd Widening	Widen Lockridge Rd (VA 789) to 4 lanes from Old Ox Rd (VA 606) to Prentice Dr (VA 1071). Provides access for VA 606 Metrorail Station. Extend Lockridge Rd (VA 789) from Prentice Dr (VA 1071) to Waxpool Rd (VA 640) - construct 4 lanes.
24	145	Roadway	Sterling Blvd Widening	Widen Sterling Blvd (VA 846) from Sully Road (VA 28) to Davis Drive (VA 868) from 4 to 6 lanes.
25	146	Roadway	Sterling Blvd Extension	Extend Sterling Blvd (VA 846) from Randolph Drive (VA 1072) to Pacific Blvd (VA 1036) - construct 4 lanes.
26	147	Roadway	Pacific Blvd Extension	Extend Pacific Blvd (VA 28 West Collector Rd) from Old Ox Rd (VA 606) to Innovation Ave (VA 209): Widen/construct 6-lane roadway. Potential modification to existing VA 28/Innovation Ave interchange.
27	148	Roadway	Russell Branch Parkway Widening	Widen Russell Branch Pkwy (VA 7 South Collector Rd) between Pacific Blvd (VA 1036) and Claiborne Pkwy (VA 901): Widen/construct a 6-lane roadway.
28	149	Roadway	Prentice Drive Extension	Extend Prentice Drive west from Lockridge Road (VA 789) to Shellhorn Road (VA 643) - construct 4 lanes.
29	150	Roadway	Prentice Dr Extension to Greenway Transit	Construct Prentice Dr extension (new connection) to Greenway transit (Phase II Metrorail station)
30	151	Roadway	WIden Smith Switch Road	Widen Smith Switch Rd (VA 1950) from 2 to 4 lanes between Waxpool Road (VA 625) and Gloucester Pkwy (VA 2150)
31	153	Roadway	Widen/Complete Riverside Parkway	Widen and complete Riverside Pkwy (VA 2401) from 4 to 6 lanes between Loudoun County Pkwy (VA 607) and Belmont Ridge Rd (VA 659).

Segment 1-2: Rt. 7/Dulles Greenway — Town of Leesburg to Rt. 28

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
32	154	Roadway	Widen VA 28, Fairfax County line to VA 606	Widen VA 28 (Sully Rd) from 6 to 10 lanes between Fairfax County line and Old Ox Rd (VA 606). Study of alternative uses (bus lanes, HOV) to be considered.
33	155	Roadway	Construct Airport Area Connector	Construct Airport Area Connector between Battlefield Pkwy and Crosstail Blvd (VA 653) just east of VA 267: Construct 4 lanes.
34	157	Roadway	Widen/Extend Battlefield Parkway	Widen Battlefield Pkwy to six lanes from Edwards Ferry Rd to US 15 (South King Street opposite Meade Drive).
35	158	Roadway	Widen VA 28, VA 7 to Old Ox Rd	Widen VA 28 (Sully Rd) from 6 to 8 lanes between Old Ox Rd (VA 606) and VA 7 (Harry Byrd Highway). Study of alternative uses (bus lanes, HOV) to be considered.
36	161	Roadway	Construct Greenway Loop Road (Barrister St)	Construct Greenway Loop Rd (Barrister St) between State Street/Landmark Court and Prentice Dr (VA 1071/VA 789 Extended): Construct a 4-lane roadway, including a bridge over VA 267.
37	162	Roadway	Widen VA 7, Leesburg Bypass to Atlantic Blvd (Harry Byrd Highway/East Market Street)	Widen VA 7 (Harry Byrd Highway) to 8 lanes between US 15 (Leesburg Bypass) and Atlantic Blvd (VA 1902). Study of alternative uses (bus lanes, HOV) to be considered for segment between VA 28 and Leesburg Bypass.
38	163	Roadway	Construct Moorefield Blvd	Construct Moorefield Blvd between Mooreview Pkwy (VA 772) and Loudoun County Pkwy (VA 607): Construct 3 lanes between Beth St and Centergate Dr, 4 lanes between Mooreview Pkwy and Beth St , and between Centergate Dr and Loudoun County Pkwy.
39	166	Roadway	Widen Innovation Avenue	Widen Innovation Avenue (VA 209) between VA 28 (Sully Rd) and Fairfax County line from 4 to 6 lanes. Road to be realigned along northern boundary of Dulles Wold Center site. Includes connection to Rock Hill Rd (VA 605). Potential future modification to existing Route 28/Innovation interchange.

Segment 1-2: Rt. 7/Dulles Greenway — Town of Leesburg to Rt. 28

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
40	167	Roadway	Widen VA 7, W Market St to Charles Town Pike	Widen VA 7 (Harry Byrd Highway) from 4 to 8 lanes between West Market St (VA 7 business) and Charles Town Pike (VA 9). Construct grade-separated interchange at White Gate Place and remove all remaining at-grade access.
41	171	Roadway	Widen Old Ox Rd, VA 28 to Fairfax County line	Widen Old Ox Rd (VA 606) to 6 lanes between VA 28 (Sully Rd) and Fairfax County line / Herndon town limits.
42	173	Roadway	Widen Old Ox Rd, VA 28 to Dulles Greenway	Widen Old Ox Rd (VA 606) to 6 lanes between VA 28 (Sully Rd) and VA 267 (Dulles Greenway).
43	174	Roadway	Widen Loudoun County Pkwy, GW Blvd to Waxpool Rd	Widen Loudoun County Pkwy (VA 607) to 6 lanes from George Washington Blvd (VA 1050) to Waxpool Rd (VA 625).
44	175	Roadway	Widen Loudoun County Pkwy, Waxpool Rd to VA 267	Widen Loudoun County Pkwy (VA 607) to 6 lanes from Waxpool Rd (VA 625) to Dulles Greenway (VA 267)
45	176	Roadway	Widen Loudoun County Pkwy, VA 267 to Old Ox Rd	Widen Loudoun County Pkwy from 4 to 6 lanes between VA 267 (Dulles Greenway) and Old Ox Rd (VA 606), near existing Arcola Rd
46	179	Roadway	Widen Evergreen Mills Rd from VA 621 Relocated to Battlefield Pkwy	Widen Evergreen Mills Rd (VA 621) from 2 to 4 lanes between Shreveport Dr (VA 621 Relocated) and Battlefield Pkwy.
47	180	Roadway	Widen Evergreen Mills Rd from Battlefield Pkwy to US 15 (South King Street)	Widen Evergreen Mills Rd (VA 621) ftom 2 to 4 lanes between Battlefield Pkwy and US 15 (South King St).
48	181	Roadway	Widen VA 625 (Waxpool Rd / Farmwell Rd)	Widen Waxpool Rd (VA 625) to 6 lanes between Church Rd and Ashburn Rd (VA 641).
49	182	Roadway	Widen Sycolin Rd	Widen Sycolin Rd (VA 625) to 4 lanes between Belmont Ridge Rd (VA 659) and Battlefield Pkwy. Realign Sycolin Rd to accommodate expansion of Leesburg Airport**.
50	183	Roadway	Extend Shellhorn Rd	Extend Shellhorn Rd (VA 643) between Loudoun County Pkwy (VA 607) and Randolph Drive (VA 1072) - 4 lanes.

Segment 1-2: Rt. 7/Dulles Greenway — Town of Leesburg to Rt. 28

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
51	184	Roadway	Crosstrail Blvd (VA 653) (limits VA 7 to VA 267)	Construct missing segments and widen Crosstrail Blvd (VA 653) to six lanes between East Market St (VA 7) and the Dulles Greenway (VA 267), and extend Crosstrail Blvd from the Greenway to Evergreen Mills Rd.
52	185	Roadway	Widen Belmont Ridge Rd from VA 2401 to VA 7	Widen Belmont Ridge Rd (VA 659) from 4 lanes to 6 lanes between Riverside Pkwy (VA 2401) and VA 7 (Harry Byrd Highway).
53	188	Roadway	Widen Relocation Drive	Widen Relocation Dr (VA 775) from 2 to 4 lanes between Old Ox Rd (VA 606) and Pacific Blvd (VA 1036).
54	190	Roadway	Widen US 15	Widen US 15 to 4 lanes from Battlefield Pkwy interchange to VA 740 (Tutt Lane)
55	191	Roadway	Improve interchange, VA 28 at Old Ox Rd	Improve grade-separated intersection, VA 28 at Old Ox Rd
56	192	Roadway	Construct interchange, VA 7 at Battlefield Pkwy	Construct grade-separated interchange, VA 7 at Battlefield Pkwy
57	200	Transit	New Manassas to Dulles OmniRide	Implement new transit service from Manassas to Dulles Aiport via Route 28. Requires additional 4 buses.
58	201	Transit	New Gainesville / Haymarket to Dulles OmniRide	Implement new transit service from Gainesville and Haymarket to Dulles Airport via I-66 HOV lanes and Route 28. Requires 2 additional buses.
59	212	Roadway	Widen Dulles Airport Access Road	Widen Dulles Airport Access Road from Dulles Airport to VA 123
60	233	Roadway	Construct VA 606 ramp	Construct VA 606 ramp
61	234	Roadway	Construct eastern segment of Russell Branch Parkway	Construct four lanes of eastern segment of Russell Branch Parkway from Belmont Ridge Road to Tournament Parkway.
62	289	Transit	Loudoun Metrorail Station Pedestrian Improvements	Construct sidewalks, crosswalks, shared-use trails, and intersection improvements to improve pedestrian access to Silver Line Metro Stations (Route 606 and 772) in Loudoun County
63	302	Roadway	Leesburg Bypass	Widen VA 7 to 6 lanes (limited access) from US 15 King St to West Market Street interchange.
64	303	Roadway	Leesburg Bypass	Widen VA 7/US 15 to 6 lanes (limited access) from the East Market Street interchange to the US 15 interchange.

Segment 1-2: Rt. 7/Dulles Greenway — Town of Leesburg to Rt. 28

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
65	304	Roadway	VA 7 "hot spot" and safety improvements	"Hot Spot" and safety improvements on VA 7 from the Fairfax County Line to the Clarke County Line, as directed by the Board.
66	307	Roadway	US 15 "hot spot" and safety improvements	"Hot Spot" and safety improvements on US 15 from the Prince William County Line to the Maryland State Line, as directed by the Board.
67	309	Roadway	Extend Russell Branch Parkway (Leesburg)	Extend Russell Branch Parkway (Leesburg) from Cochran Mill Road (VA 653) to Trailview Blvd: Construct a 4-lane roadway.
68	313	Transit	Transit buses purchase	Purchase of buses in support of Loudoun County's transit services.
69	340	ITS/ICM	Northern Virginia ITS/ICM Improvements	Implement ITS and integrated corridor management strategies on key regional corridors and parallel facilities in Northern Virginia.
70	341	TDM	Northern Virginia TDM Strategies	Implement and expand TDM initiatives and programs in major employment centers within Northern Virginia
71	345	Roadway	Route 7 Reversible Lanes	Construct reversible lanes on VA-7 Leesburg Bypass between the Greenway Toll Road and VA-9
72	346	Roadway	Dulles Greenway Merge Lanes	Construct additional capacity on Dulles Greenway at merges, particularly at the connections with the Dulles Toll Road, to allows for better operation and weave movements.
73	347	Roadway	VA-28 Reversible HOV Lanes	Implement reversible HOV lanes on VA-28 between I-66 and the Dulles Toll Road during AM and PM peak periods

Segment 1-3: Rt. 7/Dulles Toll Road/Silver Line — Rt. 28 to Tysons

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
1	1	Transit	VA 7 Transit: Tysons - Mark Center	Construct Bus Rapid Transit line along VA 7 between Tysons and Mark Center with a connection to East Falls Church Metrorail Station
2	5	Roadway	Interchange at VA 267 and Greensboro Dr	Construct partial grade-separated interchange at VA 267 and Greensboro Dr / Tyco Dr
3	6	Roadway	Interchange at VA 267 and Boone Blvd	Construct partial grade-separated interchange at VA 267 and Boone Blvd
4	8	Roadway	Soapstone Dr Extension	Extend Soapstone Dr over Dulles Toll Road
5	10	Transit	East Loudon Park-and-ride	Construct new park-and-ride lots at VA 7 at Dulles Town Center and VA 7 at VA 659
6	12	Bike/Ped	Leesburg-Alexandria VA 7 Trail	Construct trail along VA 7 from Leesburg to Alexandria
7	13	Roadway	Herndon Metrorail Station Pedestrian/Bike Improvements	Implement roadway, bicycle, and pedestrian improvements to improve access to the Herndon Metrorail Station, including: i. Construct an extension to the Folly Lick Trail from Van Buren St to future Herndon Metrorail station; ii. Continue improvements of the W&OD Trail on select sections within Herndon town limits; iii. Construct extension of Sugarland Run Trail from existing terminus to pedestrian access pavilion at future Herndon Metrorail station; iv. Construct missing regional links in Folly Lick Region Trail between Wiehle Ave and connection with W&OD Trail; v. Reconstruct Herndon Parkway with 'Complete Street' improvements to include 1-way cycle tracks, wide sidewalks and bus stop enhancements (between Van Buren Street and W&OD Regional Trail) to connect with Herndon Metrorail Station; vi. Reconstruct Van Buren Street between Old Spring St and town limits with 'Complete Streets' improvements to expand and enhance on and off-street

Segment 1-3: Rt. 7/Dulles Toll Road/Silver Line — Rt. 28 to Tysons

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
8	14	Transit	Transit Connections to Silver Line Phase II Stations	Expand bus service and connections to Silver Line Phase II stations. Provide feeder bus service between Metrorail and P&R lots. Purchase buses for new service.
9	18	Roadway	Dulles Toll Road - Town Center Parkway Underpass	Construct 4-lane divided roadway under the Dulles Toll Road from Sunrise Valley Drive to Sunset Hills Road
10	20	Roadway	Davis Drive Extension & Dulles Toll Road - Rock Hill Overpass	Extend Davis Dr (VA 868) from Glenn Drive (VA 864) to Fairfax County line at the future bridge over VA Route 267. Realign Rock Hill Rd with Davis Drive. Construct a 4-lane roadway over the Dulles Toll Road from Sunrise Valley Drive on the south, to Davis Drive extension in Loudoun County on the north side. The project would include pedestrian and bicycle facilities.
11	21	Roadway	Hunter Mill Road/Sunset Hills Road Improvements	Widen Hunter Mill Road to four lanes between Crowell Road and VA 267 Dulles Toll Road. Widen Sunset Hills Road to four lanes between Wiehle Ave and Hunter Mill Road, realigned with Crowell Road.
12	23	Bike/Ped	Herndon Bike-Sharing Services	Introduce and expand bike-sharing services in Herndon
13	24	Roadway	Outer Potomac River Crossing	Construct crossing of Potomac River between Route 28 in Virginia to I-270 in Maryland
14	27	Roadway	VA 28 Widening, I-66 to Loudoun	Widen VA 28 to 10 lanes between I-66 and Loudoun County (8 GP + 2 HOV)
15	29	Roadway	Centreville Rd Widening	Widen VA 657 (Centreville Road) to six lanes between Herndon Pkwy and Walney Rd
16	32	Transit	VA 28 LRT/BRT	Construct LRT / BRT line parallel to VA 28 from Manassas to Dulles Airport
17	33	Bike/Ped	VA 28 Trail	Construct a shared used path on both sides of VA 28 from Prince William County line to Dulles Toll Road
18	37	Roadway	Fairfax County Pkwy HOV Widening (Dulles Toll Rd)	Widen Fairfax County Pkwy by adding HOV lanes from Dulles Toll Rd to VA 7

Segment 1-3: Rt. 7/Dulles Toll Road/Silver Line — Rt. 28 to Tysons

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
19	42	Transit	Fairfax County Pkwy Priority Bus Service	Implement priority bus service on Fairfax County Parkway between Herndon/Monroe Metrorail station and Ft. Belvoir
20	45	Transit	Vienna Metro Feeder Bus Service Expansion	Add new routes* and improve service levels on existing routes that serve the Vienna Metrorail station
21	61	ITS/ICM	East-West ICM Program: Parallel Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-66 corridor, including the deployment of intelligent signal monitoring/control technology to improve travel on east-west arterial facilities, including US 29, US 50, VA 7, and VA 236.
22	62	ITS/ICM	Connected Vehicle/Traffic Signal Integration Deployment	Traffic signal software integration to support future connected vehicle applications on multiple corridors including: I-66, I-495, US 29, US 50, and VA 7
23	97	Transit	Columbia Pike Priority Transit Network (PrTN)	Provide priority transit service from Skyline to Crystal City via Pentagon City, including limited-stop bus service, improved headways, and 24 transit stations.
24	100	Transit	Metrorail Fleet Expansion	Expand Metrorail fleet to enable operations of 100 percent eight-car trains during peak period. Expansion, upgrades, and replacements of the rail car fleet, traction power substations, power cabling, third rail, train control systems, and storage facilities.
25	105	Transit	Metrobus Priority Corridor Network Plan	PCN Improvements will include improved transit signal priority and exclusive bus lanes, increased frequency and span of service. Improved customer information, expanded fare payment options, enhanced bus stops and facilities. Metrobus service improvements on these routes: CC-PY{9A, E, S, X}; Leesburg Pike{28A, 28X, 28F, G, T}; Little River Tpke/Duke St{29K, N, 29C, E, H}

Segment 1-3: Rt. 7/Dulles Toll Road/Silver Line — Rt. 28 to Tysons

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
26	108	Transit	Metrorail Real-Time Parking Info	Deployment of real-time parking information signage at WMATA rail stations
27	109	Transit	Loudoun County Phase III Bus Service	Implement Phase III bus service in Loudoun County, including local, express, intercounty, commuter, and demand-response services
28	123	Roadway	Fairfax County Pkwy / Sunrise Valley Dr Interchange	Construct a grade-separated interchange at Fairfax Couny Parkway and Sunrise Valley Dr
29	152	Roadway	Widen Gloucester Parkway	Widen Gloucester Parkway (VA 2150) from 4 to 6 lanes between VA 28 (Sully Rd) and Loudoun County Pkwy (VA 607).
30	154	Roadway	Widen VA 28, Fairfax County line to VA 606	Widen VA 28 (Sully Rd) from 6 to 10 lanes between Fairfax County line and Old Ox Rd (VA 606). Study of alternative uses (bus lanes, HOV) to be considered.
31	158	Roadway	Widen VA 28, VA 7 to Old Ox Rd	Widen VA 28 (Sully Rd) from 6 to 8 lanes between Old Ox Rd (VA 606) and VA 7 (Harry Byrd Highway). Study of alternative uses (bus lanes, HOV) to be considered.
32	162	Roadway	Widen VA 7, Leesburg Bypass to Atlantic Blvd (Harry Byrd Highway/East Market Street)	Widen VA 7 (Harry Byrd Highway) to 8 lanes between US 15 (Leesburg Bypass) and Atlantic Blvd (VA 1902). Study of alternative uses (bus lanes, HOV) to be considered for segment between VA 28 and Leesburg Bypass.
33	166	Roadway	Widen Innovation Avenue	Widen Innovation Avenue (VA 209) between VA 28 (Sully Rd) and Fairfax County line from 4 to 6 lanes. Road to be realigned along northern boundary of Dulles Wold Center site. Includes connection to Rock Hill Rd (VA 605). Potential future modification to existing Route 28/Innovation interchange.
34	171	Roadway	Widen Old Ox Rd, VA 28 to Fairfax County line	Widen Old Ox Rd (VA 606) to 6 lanes between VA 28 (Sully Rd) and Fairfax County line / Herndon town limits.
35	174	Roadway	Widen Loudoun County Pkwy, GW Blvd to Waxpool Rd	Widen Loudoun County Pkwy (VA 607) to 6 lanes from George Washington Blvd (VA 1050) to Waxpool Rd (VA 625).

Segment 1-3: Rt. 7/Dulles Toll Road/Silver Line — Rt. 28 to Tysons

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
36	200	Transit	New Manassas to Dulles OmniRide	Implement new transit service from Manassas to Dulles Aiport via Route 28. Requires additional 4 buses.
37	201	Transit	New Gainesville / Haymarket to Dulles OmniRide	Implement new transit service from Gainesville and Haymarket to Dulles Airport via I-66 HOV lanes and Route 28. Requires 2 additional buses.
38	212	Roadway	Widen Dulles Airport Access Road	Widen Dulles Airport Access Road from Dulles Airport to VA 123
39	222	Roadway	Widen/upgrade/convert VA 286 Fairfax County Parkway to include HOV lanes	Widen/upgrade/convert VA 286 Fairfax County Parkway to include HOV lanes from VA 267 Dulles Toll Road to I-66.
40	225	Roadway	Construct Collector-Distributor Road (EB/WB) that parallels Dulles Toll Rd	Construct Collector-Distributor Road (EB/WB) that parallels Dulles Toll Rd from Wiehle Ave to Spring Hill Road.
41	228	Roadway	Widen Reston Parkway	Widen Reston Parkway from 4 to 6 lanes between South Lakes Dr and Dulles Toll Road VA 267
42	231	Roadway	Boone Boulevard Extension	Construct Boone Boulevard Extension (4 lanes) from VA 123 Chain Bridge Road to Ashgrove Lane.
43	304	Roadway	VA 7 "hot spot" and safety improvements	"Hot Spot" and safety improvements on VA 7 from the Fairfax County Line to the Clarke County Line, as directed by the Board.
44	313	Transit	Transit buses purchase	Purchase of buses in support of Loudoun County's transit services.
45	330	Transit	Fairfax County Express Bus, Reston / Franconia-Springfield	Implement express bus service along VA 286 Fairfax County Parkway between Reston Metro and Franconia-Springfield Metro
46	332	Roadway	Construct lanes on Reston Parkway	Construct lanes on Reston Parkway from Sunrise Valley Drive to Baron Cameron Ave.
47	340	ITS/ICM	Northern Virginia ITS/ICM Improvements	Implement ITS and integrated corridor management strategies on key regional corridors and parallel facilities in Northern Virginia.
48	341	TDM	Northern Virginia TDM Strategies	Implement and expand TDM initiatives and programs in major employment centers within Northern Virginia
49	347	Roadway	VA-28 Reversible HOV Lanes	Implement reversible HOV lanes on VA-28 between I-66 and the Dulles Toll Road during AM and PM peak periods

Segment 1-3: Rt. 7/Dulles Toll Road/Silver Line — Rt. 28 to Tysons

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
50	348	Transit	Reston Express Bus	Implement Express bus service between Reston Town Center and Fairfax Center via Reston Parkway and West Ox Rd

Segment 1-4: Rt. 7/Dulles Toll Road/Silver Line — Tysons to US 1

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
1	1	Transit	VA 7 Transit: Tysons - Mark Center	Construct Bus Rapid Transit line along VA 7 between Tysons and Mark Center with a connection to East Falls Church Metrorail Station
2	2	Roadway	VA 7 Widening, VA 123 to I-495	Widen VA 7 from six to eight lanes from VA 123 (Chain Bridge Rd) to I-495 (Capital Beltway)
3	3	Roadway	VA 7 Widening, I-495 to I-66	Widen VA 7 from four to six lanes from I-495 to I-66
4	4	Roadway	VA 7 Widening, Seven Corners to Bailey's Crossroads	Widen VA 7 from four to six lanes between Seven Corners and Bailey's Crossroads
5	5	Roadway	Interchange at VA 267 and Greensboro Dr	Construct partial grade-separated interchange at VA 267 and Greensboro Dr / Tyco Dr
6	6	Roadway	Interchange at VA 267 and Boone Blvd	Construct partial grade-separated interchange at VA 267 and Boone Blvd
7	7	Roadway	King/Quaker/Braddock Intersection Improvements	Construct intersection improvements at King St, Quaker Lane, and Braddock Road - Includes replacing the span wire traffic signals with mast arm signals which will allow for the placement of much needed directional signs, precise placement of signal heads and the installation of vehicle detection. These improvements will mitigate driver confusion and allow for a more efficient conveyance of vehicles and pedestrians through the intersection. Also included in this project are modifications to the slip ramp between King Street and the service road as well as modifying the entrance to the service road at North Quaker Lane.
8	9	Transit	Tysons Circulator	Implement Tysons Circulator System
9	12	Bike/Ped	Leesburg-Alexandria VA 7 Trail	Construct trail along VA 7 from Leesburg to Alexandria
10	15	Roadway	VA 123 Widening, VA 7 to Old Courthouse Rd	Widen VA 123 to six lanes from VA 7 to Old Courthouse Rd

Segment 1-4: Rt. 7/Dulles Toll Road/Silver Line — Tysons to US 1

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
11	19	Roadway	Seven Corners Ring Road Improvements	Construct ring road and improve interchange at Seven Corners to reduce congestion on Route 7, improve access between Seven Corners / Falls Church / Bailey's Crossroads, and facilitate redevelopment of the area. Improve safety, navigation of vehicles and cyclists/pedestrians in and throughout the area.
12	22	Bike/Ped	Bike Lanes Route 7 - Alexandria to Seven Corners	Construct protected bike lanes on both sides of VA 7 between Alexandria and Seven Corner. Connect with City of Falls Church's bicycle network.
13	46	Roadway	US 50 Widening, City of Fairfax to Arlington County	Widen US 50 inside the Beltway from 4 to 6 lanes from City of Fairfax to Arlington County. The project would include intersection improvements, including signalization improvements, and pedestrian and bike facilities
14	49	Transit	US 29 / US 50 Priority Bus	Implement priority bus service along US 29 and US 50 between Fair Oaks and Washington DC.
15	50	Transit	East Falls Church Metrorail Station Second Entrance	Planning, design, and construction of a full second entrance to EFC station, including new bus bays, a western mezzanine, and bicycle and pedestrian connections
16	54	Roadway	Falls Church Multimodal Improvements	Multimodal Improvements in the City's state-recognized revitlization areas (1) West Broad Street, (2) Washington Street Corridor, and (3) East End. These areas are all included in the COG-recognized Falls Church activity center. Improvements will include improved intersection geometry and signalization, improved pedestrian connectivity and accessiblitiy, improved transit stops, and improved bicycle access
17	55	Bike/Ped	US 29 trail	Construct a trail along US 29 from Dixie Hill Rd to EFC Metrorail Station

Segment 1-4: Rt. 7/Dulles Toll Road/Silver Line — Tysons to US 1

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
18	58	Transit	East Falls Church Metrorail Station Multimodal Improvements	Construct Multimodal improvements, including new/restructured bus bays at the current station, bicycle and pedestrian connections, improve access and signalization on N Sycamore Street and Washington Blvd., and install Bikeshare stations. Improvements per the EFC Vision Plan
19	59	Transit	Lee Highway bus improvements	Improved local ART bus service on US 29 between Rosslyn and EFC.
20	60	Bike/Ped	Arlington Regional Trail Network	Provide dedicated bike facilities, bikesharing and key sidewalk improvements on north-south corridors in Arlington to connect major east-west corridors with each other. Example corridors includes Carlin Springs Road, Walter Reed Drive/Fillmore Street, Harrison St, Washington Blvd, Rt 110, and others. Network also includes: -Trail parallel to Washington Blvd between Arlington Blvd and Columbia Pike -Rehab of Custis Trail to current VDOT shared used path design and construction specifications in Rosslyn -Extension of Custis Trail north of I-66 betwen Kennebec and Quantico -Long Bridge Park Esplanade extension to Mt Vernon Trail -Arlington Blvd trail -Theodore Roosevelt Bridge connection to Mt Vernon Trail and Marine Corps War Memorial -Dedicated cycling facility along the Route 50 service road (south side), between N. Rhodes St. and N. Meade St. -Expansion of Arlington bicycle commuter routes: Bluemont Junction Trail, Custis

Segment 1-4: Rt. 7/Dulles Toll Road/Silver Line — Tysons to US 1

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
21	61	ITS/ICM	East-West ICM Program: Parallel Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-66 corridor, including the deployment of intelligent signal monitoring/control technology to improve travel on east-west arterial facilities, including US 29, US 50, VA 7, and VA 236.
22	62	ITS/ICM	Connected Vehicle/Traffic Signal Integration Deployment	Traffic signal software integration to support future connected vehicle applications on multiple corridors including: I-66, I-495, US 29, US 50, and VA 7
23	63	Transit	Route 50 Express Bus	Improve Route 50 - Orange Line bus connections.
24	65	Transit	Duke Street Transitway	Construct a four-mile segment of the high-capacity transitway on Duke Street within Alexandria. Reconstruct Duke Street from Wheeler Ave to Jordan St w/ a center left-turn lane. Construct bicycle and pedestrian improvements along corridor. The first phase would create dedicated transit lanes in existing six-lane sections of Duke Street between Landmark Mall and Jordan Street and between Roth Street and Diagonal Road. Between Jordan Street and Roth Street, transit would operate in mixed flow.
25	66	Transit	Wilson Bridge High Capacity Transit	Extend high capacity surface transit from Metrorail Yellow Line in Alexandria to the Green Line in Prince George's County. Related to I-495 priority bus service CLRP bus service project. Potential modes include LRT, BRT, or improved bus service on corridor between stations.
26	67	Transit	American Legion Bridge High Capacity Transit	Contruct high capacity surface transit (express bus service) from Fairfax County to Montgomery County via the American Legion Bridge and Tysons Corner.
27	69	Roadway	I-495 HOT Lanes	Implement HOT lanes on I-495 between American Legion Bridge and VA-267

Segment 1-4: Rt. 7/Dulles Toll Road/Silver Line — Tysons to US 1

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
28	70	Roadway	I-495 HOV Lanes	Implement HOV lanes on I-495 between I-395 and the Woodrow Wilson Bridge
29	71	Transit	Merrifield-Tysons BRT / LRT	Construct enhanced transit service (BRT/LRT) between Fairfax Hospital in Merrifield to Tysons. Includes 6 lanes (4 GP + 2 Transit) on Gallows Rd.
30	78	Transit	DASH Transit Service Enhancements and Expansion	DASH Transit Service Enhancements: including new cross-town services and funding for additional buses to expand service on existing and new routes, circulators and trolleys within and between activity centers and expand bus storage and maintenance facilities; also includes transit stop improvements (bus shelters, real time information signs, bus stop benches, pads for ADA); upgrade to new and/or upgraded regional fare system including new fare collection technology; Provide transit service connection between Eisenhower Metrorail Station and King Street Metrorail Station; Provide transit service connection between Van Dorn Metrorail Station and the Landmark Mall vicinity; Provide east-west transit service between Braddock Rd Metrorail Station and Old Town / King St. Metrorail Station .
31	79	Transit	West End Transitway	Construct a four-mile segment of the dedicated bus lanes between the Van Dorn Metro station and Arlington County. This project will also provide pedestrian and bike facilities in the corridor

Segment 1-4: Rt. 7/Dulles Toll Road/Silver Line — Tysons to US 1

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
32	83	Transit	King Street Metro-Alexandria Union Station Improvements	Implement multimodal improvements at the King Street Metro station including improved access to parking lot and bus facilities, construction of new shelters, construction of additional bus bays, and a planned transit store. Construction of a new pedestrian tunnel between Alexandria Union Station and the King Street Metrorail station to include elevators and elimination of existing at grade crossing. Pedestrian tunnel project also includes improvements to the east platform including lengthening the platform, ADA improvements, a new canopy and a stairway and elevator connection to the pedestrian tunnel. Improvements to the east platform will increase freight, commuter, and passenger rail operations within and through the City of Alexandria and allow for VRE to utilize the east platform for revenue service. Project also include other improvements at Alexandria Union Station.
33	86	Bike/Ped	Alexandria Bike and Ped Trails Construction and Reconstruction	Reconstruct Holmes Run Trail from North Ripley Street to I-395; Construct trails along local streets in the Beauregard Street and Van Dorn Street corridor, this facility will provide a north-south connection to the City's Holmes Run Trail, running east west, and connecting bicycle users to Mark Center corridor; Construct pedestrian and bicycle bridge over Holmes Run at Morgan St; Implement and construct projects in the City's Ped Bike Plan; Construct bicycle improvements along Royal St between Jones Point and Bashford St, include signage, traffic calming

Segment 1-4: Rt. 7/Dulles Toll Road/Silver Line — Tysons to US 1

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
34	89	Transit	US 1 BRT	Construct along US 1 BRT with stations at Beacon Hill, Hybla Valley, Fort Belvoir, Penn Daw, Pohick Rd, Woodlawn, and South County Government and with transit transfer centers at Kingman Rd and Fort Belvoir. Includes US 1 widening between VA 235 and I-495.
35	91	ITS/ICM	I-95/I-395 ICM Program	I-95/I-395 ICM Program: -Multimodal Traveler Information: Integration of roadway, transit, and parking information. -Dynamic Ramp Metering: Upgrade of existing ramp metering system. -Parallel Arterial Operations Improvements: Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-95 corridor (including US 1 and Telegraph Rd) -Parking Management: Expansion of pilot program to additional PNR lots. -Decision Support System: Software system to support corridor management activities across multiple facilities and modes.
36	97	Transit	Columbia Pike Priority Transit Network (PrTN)	Provide priority transit service from Skyline to Crystal City via Pentagon City, including limited-stop bus service, improved headways, and 24 transit stations.
37	98	Transit	VA 236 Bus Priority, Alexandria to Fairfax	Implement bus priority service on VA 236 between Alexandria and Fairfax.
38	99	Transit	VA 123 Priority Bus Service	Add bus priority service on VA 123 to serve Tysons.
39	100	Transit	Metrorail Fleet Expansion	Expand Metrorail fleet to enable operations of 100 percent eight-car trains during peak period. Expansion, upgrades, and replacements of the rail car fleet, traction power substations, power cabling, third rail, train control systems, and storage facilities.

Segment 1-4: Rt. 7/Dulles Toll Road/Silver Line — Tysons to US 1

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
40	101	Bike/Ped	Columbia Pike Corridor urban bike/ped network	Improve bicycle and pedestrian infrastructure in and around the Columbia Pike corridor, including bikeways, bikesharing, and key sidewalk improvements, to convert SOV trips to, within, and between activity center areas from car to bike/pedestrian. Includes parallel bike routes along 9th St, 11th St, and 12th in the vicinity of Columbia Pike.
41	102	Bike/Ped	Arlington TDM Package	Improve and expand the commuter assistance and other programs provided by Arlington County Commuter Services. Includes new commuter stores and next generation IT services, implementation of transportation system management and communication upgrade throughout the County, and improvements to traveler information via creation or expansion of informational, wayfinding, alert, or real-time signs providing information on multimodal transportation options. Develop a system of coordinated mobility hubs along major corridors to fully integrate transit, bikesharing, carsharing, ridesharing, pedestrians, bicycling, ride hailing and other shared use services. Develop, coordinate, implement, and/or expand shared-ride and ride-hailing services for first mile/last mile connections to transit and mobility hubs as well as to activity centers, parking, and pick-up hotspots. Includes support for autonomous vehicles, casual carpooling, on-demand services

Segment 1-4: Rt. 7/Dulles Toll Road/Silver Line — Tysons to US 1

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
42	103	ITS/ICM	Arlington ITS Projects	Implement intelligent transportation systems and adaptive traffic control system on regional corridors within Arlington County, including: - Enhancement of Traffic System and Technology to a Smart Traffic Signal system; - Installation of Intelligent Transportation System (ITS) and corresponding Adapative Traffic Control System program on US 29 Lee Highway to better manage traffic flow. Includes additional Bluetooth devices, count stations, CCTV cameras, and FLIR detectors and upgraded signals for better-timed connection with I-66; - Reconstruction of traffic signals to meet current standards, including upgrade from span wire to mast arm
43	105	Transit	Metrobus Priority Corridor Network Plan	PCN Improvements will include improved transit signal priority and exclusive bus lanes, increased frequency and span of service. Improved customer information, expanded fare payment options, enhanced bus stops and facilities. Metrobus service improvements on these routes: CC-PY{9A, E, S, X}; Leesburg Pike{28A, 28X, 28F, G, T}; Little River Tpke/Duke St{29K, N, 29C, E, H}
44	107	Transit	Expansion of Metrobus and Fairfax Connector Bus Services	Increase bus frequency and service during off-peak periods and weekends; add new routes.
45	108	Transit	Metrorail Real-Time Parking Info	Deployment of real-time parking information signage at WMATA rail stations
46	110	Transit	South County Feeder Bus Service	Improve service levels on bus routes serving Richmond Highway, Kingstowne, and Springfield

Segment 1-4: Rt. 7/Dulles Toll Road/Silver Line — Tysons to US 1

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
47	113	ITS/ICM	Alexandria ITS Projects	Funding for transportation technologies to improve system efficiencies in the City of Alexandria, Real-Time Adaptive Control and Data Management System - Build out and improve Traffic Signal System with fiber-optics; transit signal priority
48	114	Transit	Metrorail Pocket Track Improvements	Construct new OR/SV junction infrastructure and pocket track at East Falls Church or West Falls Church. Improve or add pocket tracks to provide flexibility for short-lining, maintenance and crossovers.
49	115	Transit	VRE Fredericksburg and Manassas Line Off-peak Service	Run bi-hourly trains during midday period between peaks on both Manassas and Fredericksburg Lines
50	116	Transit	Implement integrated regional rail service / VRE-MARC run-through service	Implement run-through service by integrating intercity rail service with MARC and AMTRAK
51	118	Bike/Ped	East Falls Church Bikeshare Connections	Install up to 24 bike-share stations along Route 29, Route 7, Sycamore St, Roosevelt St, and W&OD Trail in Falls Church.
52	122	Transit	ART Service Restructuring and Expansion	Purchase of buses in support of Arlington Transit (ART) service restructuring and expansion. Includes implementation of priority bus service on Glebe Road between Marymount University and Potomac Yard Metro via Ballston.
53	127	Transit	Blue and Yellow Line Bus Facility Improvements	Expand and improve bus bays, passenger facilities, and bus circulation and access paths at all Yellow and Blue Line stations and transit centers in the I-395/ US-1 corridor
54	132	Transit	Enhanced Bus Service - Falls Church	Enhance bus service along US 29 and VA 7 in the City of Falls Church: including all day service, 15 minute frequency, and bus shelters with real-time information
55	133	Bike/Ped	Enhance regional bike routes (W& OD) - Falls Church	Enhance regional bike routes (W& OD): including separate trails for walking and biking, updated crossings to increase safety, and lighting to keep trail open all year

Segment 1-4: Rt. 7/Dulles Toll Road/Silver Line — Tysons to US 1

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
56	193	Transit	Alexandria Bus Network ITS	Install Automatic Vehicle Location (AVL) technology on DASH bus to provide real-time arrival info, computer-aided dispatch, automated passenger counters (APC) and automated garage mapping system.
57	195	Roadway	Arlandria/Del Ray/ Lynhaven/Potomac Yard Roadway, Bike/Ped, Improvements	Traffic improvements for the intersection of Mt Vernon Ave and E/W Glebe Rd, including signalization, accommodation for pedestrians and turn lane channelization. Construct improvements at Mt Vernon/Four Mile Rd intersection, including ped/bike improvements; Construct bike/ped bridge over four mile run beween Commonwealth Ave and Eads St; Mt Vernon Ave/Russell Rd intersection safety improvements to accommodate pedestrian and bicyclists, may entail intersection and parking configuration redesign. Construct a pedestrian/bicycle link from the Potomac Yard Trail to connect to the Four Mile Run trail on the south side of Four Mile Run, and to the Mt. Vernon Trail; Oakville Triangle improvement projects

Segment 1-4: Rt. 7/Dulles Toll Road/Silver Line — Tysons to US 1

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
58	196	Roadway	West End Alexandria Roadway Improvements	Construct a multimodal bridge from Van Dorn Metro station to Pickett Street; Extend Library Ln North to Connect with Van Dorn St; ellispe at Beauregard and Seminary; Replace shared left/thru turn lanes along NB and SB Van Dorn St with separate left turn lanes; add protected, permissive left turn lane along NB and SB Van Dorn; Widen Van Dorn St Bridge over Duke St to accommodate pedestrians; Replace shared left/thru turn lanes along NB and SB Van Dorn St with separate left turn lanes; Construct new roadway along Fairfax County Line to connect Edsall Rd, S Pickett St, Farrington Ave; Intersection improvements along Van Dorn Street at Eisenhower, Edsall, Pickett; Straightening Eisenhower; New High Street Addition and Bridge as part of Alexandria's Landmark Van Dorn Area Plan
59	198	Transit	Vienna Metro Access Improvements	Improve access to Metro and encourage mass transit use by completing all sidewalks within 1/2 mile of Vienna and Tysons Metrorail stations. Also, provide a trolley or circulator bus along Maple Ave (VA 123) to connect with Vienna Metro station and Metro Silver Line in Tysons. A parking garage would be provided along the route. Includes "Walk to Metro" and "Commercial Transit, Metro Access, and Parking" projects.
60	199	Transit	New Central/East County to Pentagon/DC OmniRide	Implement new transit route between Central East Prince William County, Pentagon, and downtown DC via the I-95 HOV lanes. Requires 4 additional buses.

Segment 1-4: Rt. 7/Dulles Toll Road/Silver Line — Tysons to US 1

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
61	202	Transit	Metro Station Improvements within the City of Alexandria	Redesign kiss-and-ride and reconfigure bus loading area to accommodate West End Transitway at the Van Dorn Metrorail Station and existing and future developments within the Eisenhower West Small Area Plan. Improvements to the Eisenhower Ave Metrorail Station to accommodate East Eisenhower development, including renovation of existing bus loop, new pedestrian plaza, new bus shelter canopies, and real-time bus arrival info displays.
62	204	Roadway	Greensboro Drive Extension	Extend Greensboro Drive from Spring Hill Road to Tyco Road
63	205	Roadway	I-495 Overpass Tysons Corner	Construct I-495 overpass at Tysons Corner Center
64	206	Roadway	Cleveland Ramps	Reconstruct VA 267 / VA 123 interchange to provide connections to a new street grid
65	207	Roadway	VA 123 / Lewinsville Rd / Great Falls St Underpass	Construct a grade-separated underpass at the intersection ofVA 123 / Lewinsville Rd / Great Falls St
66	208	Roadway	VA 123 / VA 7 Interchange	Reconstruct interchange between Route 7 and Route 123 in Tysons.
67	209	Roadway	VA 123 Modified intersection/displaced left turns	Modify intersections and construct displaced left turns on VA 123 between International Drive to Dulles Toll Road
68	210	Roadway	Widen auxiliary lanes along I-495	Widen auxiliary lanes along various segments of I-495 from north of Hemming Ave Underpass to Georgetown Pike. Reconstruct the I-495 auxiliary lane from VA 7 to I-66
69	211	Roadway	Reconstruct I-495 / VA-267 Interchange	Relocate I-495/VA 267 Interchange Flyover Ramp: Eastbound Dulles Airport Access Highway to northbound general purpose. Provide SB HOT to EB HOV & EB Dulles Toll Road to NB HOT movements. Widen EB Dulles Toll Road ramp to 2 NB lanes Construct I-495/VA 267 Interchange ramp from SB I-495 to WB Dulles Airport Access Highway.

Segment 1-4: Rt. 7/Dulles Toll Road/Silver Line — Tysons to US 1

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
70	212	Roadway	Widen Dulles Airport Access Road	Widen Dulles Airport Access Road from Dulles Airport to VA 123
71	219	Roadway	Widen VA 123 Chain Bridge Road, VA 7 to I-495	Widen VA 123 Chain Bridge Road from 6 to 8 lanes from VA 7 Leesburg Pike to I-495.
72	225	Roadway	Construct Collector-Distributor Road (EB/WB) that parallels Dulles Toll Rd	Construct Collector-Distributor Road (EB/WB) that parallels Dulles Toll Rd from Wiehle Ave to Spring Hill Road.
73	227	Roadway	Widen Eisenhower Avenue	Widen Eisenhower Avenue from 4 to 6 lanes from Mill Road to Holland Lane.
74	231	Roadway	Boone Boulevard Extension	Construct Boone Boulevard Extension (4 lanes) from VA 123 Chain Bridge Road to Ashgrove Lane.
75	232	Roadway	Widen Magarity Road	Widen Magarity Road from 2 to 4 lanes from VA 7 to Great Falls Street.
76	290	Transit	Dunn Loring to Ballston priority bus	Through enhancement of Metrobus 2A service, provide frequent service on Lee Highway and Washington Blvd from Dunn Loring Metro in Fairfax County through the City of Falls Church, East Falls Church Metro and Washington Blvd to Ballston Metro.
77	291	Transit	Arlington mobility hubs	Develop a system of coordinated mobility hubs along major corridors to fully integrate transit, bikesharing, carsharing, ridesharing, pedestrians, bicycling, ride hailing and other shared use services;
78	292	Transit	Off-vehicle fare collection	Develop a system of off board fare collections for ART and WMATA buses.
79	294	Bike/Ped	Lee Highway Multimodal Improvements	The project expands the multi-modal transportation capacity and safety in the Lee Highway corridor, providing viable options to move more people without increasing the volume of single-occupant vehicles. Includes addition of bicycle facilities along US 29 corridor and reconstruction of US 29 from North Quincy St to North Kenmore St.

Segment 1-4: Rt. 7/Dulles Toll Road/Silver Line — Tysons to US 1

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
80	297	Transit	Increase off-peak transit service on I-95 Corridor	Add bus trips to the existing service: Lake Ridge-DC, Lake Ridge-Pentagon/Crystal City; Dale City/Potomac Mills-Pentagon/Crystal City; Dale City/Potomac-Mills/Rosslyn/Ballston; Montclar/Dumfries-Pentagon/DC; Montclair/Dumfries-Pentagon; Dale City/Potomac Mills-Mark Center
81	299	Transit	VRE Alexandria-DC Rail Capacity Improvements	Construct fourth track LE to VA Construct fourth track RO to AF Alexandria track 1 access/ Slater's Lane crossover Construct Washington Union Station station/access improvements Construct VRE L'Enfant station/access improvements Construct VRE Crystal City station/access improvements
82	300	Transit	VRE Alexandria Station Improvements	Improve multimodal connectivity and accessibility at the Alexandria Union Station - King Street Metro station through construction of a pedestrian tunnel between the two stations; platform expansion and access improvements at VRE station

Segment 1-4: Rt. 7/Dulles Toll Road/Silver Line — Tysons to US 1

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
83	301	Transit	VRE Manassas Line Rail Capacity Enhancements	Ph. 1: Increase frequencies to 20 min in peak period. In support of this improvement: a. Construct track capacity enhancements (additional track and capacity improvements) from Alexandria/AF to Manasss Line terminus, including existing Broad Run VRE station. b. Purchase additional rolling stock in support of 8-car trains and peak service improvements (TIP reflects purchases for 8-car trains in peak hour, additional needed beyond CLRP commitment). c. Construct/expand VRE equipment storage and maintenance facilities in Manassas and midday storage in Washington, D.C. d. Construct station/platform, parking and access improvements at VRE Manassas Line stations, including expand existing Broad Run VRE station/parking/access. e. Improve information sharing through ITS/TSM enhancements for improved communications. Rail improvements in support of I-81 / US-29 Intercity Passenger Rail (DRPT/AMTRAK)
84	318	Transit	Shirlington Bus Station Expansion	Addition of new bus bays at the Shirlington Bus Station
85	326	Transit	Manassas Line Peak Period Service Expansion	Improve frequencies to 15-min. peak period and new reverse peak period sevice. In support of this improvement: a. Purchase additional rolling stock b. Construct/expand VRE equipment storage and maintenance facilities c. Rail Line capacity improvements d. Station/Parking Access improvements e. ITS/TSM improvements.
86	331	Transit	Tysons Express Bus	Implement express bus service between Tysons and Huntington Metro, and Tysons and Franconia-Springfield Metro.

Segment 1-4: Rt. 7/Dulles Toll Road/Silver Line — Tysons to US 1

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
87	333	Transit	East Falls Church Metro to Seven Corners Transit Boulevard	Transit and ped/bike connections along Sycamore and Roosevelt with a bridge overpass connecting to planned redevelopment in Seven Corners (shown in Fairfax County comp plan, page 113)
88	334	Transit	Falls Church Metro Station Access	Multimodal Access Improvements for the East Falls Church and West Falls Church Metro stations including pedestrian access, bicycle access and bike-share stations, and bus access.
89	335	Bike/Ped	Regional Bike Connections - Falls Church	On-street bike facilities to connect the City's bicycle network to the W&OD, Arlington County's network and Fairfax County's network as called for in the City's Bicycle Master Plan
90	340	ITS/ICM	Northern Virginia ITS/ICM Improvements	Implement ITS and integrated corridor management strategies on key regional corridors and parallel facilities in Northern Virginia.
91	341	TDM	Northern Virginia TDM Strategies	Implement and expand TDM initiatives and programs in major employment centers within Northern Virginia
92	343	Transit	VRE Express Service - Fredericksburg Line	Implement peak period express service on VRE Fredericksburg Line: - One express train and three local trains per hour during AM and PM peak periods - Stops at Spotsylvania, Leeland Rd, Woodbridge, Alexandria, Crystal City, L'Enfant, and Union Station
93	344	Transit	VRE Express Service - Manassas Line	Implement peak period express service on VRE Manassas Line: - One express train and three local trains per hour during AM and PM peak periods - Stops at Broad Run, Manassas Park, Burke Centre, Alexandria, Crystal City, L'Enfant, and Union Station
94	350	Transit	US 29 BRT	Implement BRT service on US 29 Lee Highway in a dedicated lane where facility is six lanes.
95	352	Transit	ART Service Improvements	Increase ART service on crowded corridors in Arlington County, supported by capacity increases at Heavy Maintenance / Bus Parking facilities

Segment 1-4: Rt. 7/Dulles Toll Road/Silver Line — Tysons to US 1

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
96	354	Roadway	I-495 Express Lanes - Springfield to Wilson Bridge	Extend I-495 Express Lanes from Springfield across Wilson Bridge into Maryland
97	355	Roadway	I-495 / I-395 Lane Restrictions	Implement lane restrictions for commercial trucks on I-495 and I-395
98	356	Transit	MARC / VRE Crossover Service	Implement MARC Crossover service to Alexandria and points south and west and VRE Crossover service to destinations including New Carrollton, College Park, and points north via Union Station during AM and PM peak hours

Segment 2-1: Loudoun County Parkway/Belmont Ridge Road — Rt. 7 to US 50

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
1	10	Transit	East Loudon Park-and-ride	Construct new park-and-ride lots at VA 7 at Dulles Town Center and VA 7 at VA 659
2	12	Bike/Ped	Leesburg-Alexandria VA 7 Trail	Construct trail along VA 7 from Leesburg to Alexandria
3	14	Transit	Transit Connections to Silver Line Phase II Stations	Expand bus service and connections to Silver Line Phase II stations. Provide feeder bus service between Metrorail and P&R lots. Purchase buses for new service.
4	16	Transit	Leesburg North Park-and-Ride	Construct Leesburg North Park-and-Ride Lot with 300 spaces at Crosstrail Blvd
5	17	Transit	One Loudoun Park-and-Ride	Construct 200 space park-and-ride lot at One Loudoun near the corner of VA 7 and Loudoun County Parkway
6	24	Roadway	Outer Potomac River Crossing	Construct crossing of Potomac River between Route 28 in Virginia to I-270 in Maryland
7	32	Transit	VA 28 LRT/BRT	Construct LRT / BRT line parallel to VA 28 from Manassas to Dulles Airport
8	61	ITS/ICM	East-West ICM Program: Parallel Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-66 corridor, including the deployment of intelligent signal monitoring/control technology to improve travel on east-west arterial facilities, including US 29, US 50, VA 7, and VA 236.
9	62	ITS/ICM	Connected Vehicle/Traffic Signal Integration Deployment	Traffic signal software integration to support future connected vehicle applications on multiple corridors including: I-66, I-495, US 29, US 50, and VA 7
10	100	Transit	Metrorail Fleet Expansion	Expand Metrorail fleet to enable operations of 100 percent eight-car trains during peak period. Expansion, upgrades, and replacements of the rail car fleet, traction power substations, power cabling, third rail, train control systems, and storage facilities.
11	108	Transit	Metrorail Real-Time Parking Info	Deployment of real-time parking information signage at WMATA rail stations

Segment 2-1: Loudoun County Parkway/Belmont Ridge Road — Rt. 7 to US 50

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
12	109	Transit	Loudoun County Phase III Bus Service	Implement Phase III bus service in Loudoun County, including local, express, intercounty, commuter, and demand-response services
13	119	Roadway	Construct Northstar Blvd from Shreveport Dr to US 50	Construct 4 lane Northstar Blvd facility from Shreveport Dr to US 50
14	120	Roadway	Waxpool Rd / Loudoun County Pkwy Intersection Improvements	Improve intersection at Waxpool Rd / Loudoun County Pkwy to include three westbound left-turn lanes on Waxpool Rd and a new free-flow right turn lane on Loudoun County Pkwy
15	121	Roadway	Westwind Drive Extension	Construct Westwind Dr / Ladbrook Dr (VA 645) to be 4 lanes across Broad Run between Loudoun County Pkwy (VA 607) and Old Ox Rd (VA 606). Construct a new grade-separated interchange at Old Ox Rd (VA 606).
16	129	Roadway	VA 7 Widening, Battlefield Pkwy to Leesburg ECL	Widen VA 7 from 6 to 8 lanes between Battlefield Pkwy and Leesburg ECL
17	131	Transit	US 50 Dulles Park and Ride Lot	Construct/expand US 50 Dulles Park and Ride Lot east of Loudoun County Pkwy. Anticipated capacity is 250 spaces.
18	143	Roadway	Ryan Rd Widening from VA 659 to VA 621	Widen Ryan Rd (VA 772) from 2 to 4 lanes from Northstar Blvd (VA 659) to Evergreen Mills Rd (VA 621).
19	144	Roadway	Lockridge Rd Widening	Widen Lockridge Rd (VA 789) to 4 lanes from Old Ox Rd (VA 606) to Prentice Dr (VA 1071). Provides access for VA 606 Metrorail Station. Extend Lockridge Rd (VA 789) from Prentice Dr (VA 1071) to Waxpool Rd (VA 640) - construct 4 lanes.
20	146	Roadway	Sterling Blvd Extension	Extend Sterling Blvd (VA 846) from Randolph Drive (VA 1072) to Pacific Blvd (VA 1036) - construct 4 lanes.
21	148	Roadway	Russell Branch Parkway Widening	Widen Russell Branch Pkwy (VA 7 South Collector Rd) between Pacific Blvd (VA 1036) and Claiborne Pkwy (VA 901): Widen/construct a 6-lane roadway.
22	149	Roadway	Prentice Drive Extension	Extend Prentice Drive west from Lockridge Road (VA 789) to Shellhorn Road (VA 643) - construct 4 lanes.
23	150	Roadway	Prentice Dr Extension to Greenway Transit	Construct Prentice Dr extension (new connection) to Greenway transit (Phase II Metrorail station)

Segment 2-1: Loudoun County Parkway/Belmont Ridge Road — Rt. 7 to US 50

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
24	151	Roadway	WIden Smith Switch Road	Widen Smith Switch Rd (VA 1950) from 2 to 4 lanes between Waxpool Road (VA 625) and Gloucester Pkwy (VA 2150)
25	152	Roadway	Widen Gloucester Parkway	Widen Gloucester Parkway (VA 2150) from 4 to 6 lanes between VA 28 (Sully Rd) and Loudoun County Pkwy (VA 607).
26	153	Roadway	Widen/Complete Riverside Parkway	Widen and complete Riverside Pkwy (VA 2401) from 4 to 6 lanes between Loudoun County Pkwy (VA 607) and Belmont Ridge Rd (VA 659).
27	156	Roadway	Construct Arcola Blvd	Construct Arcola Blvd between Loudoun County Pkwy (VA 607) (near intersection of Arcola Rd and Old Ox Rd) and US 50 (John Mosby Highway) - 6 lanes. Construct grade-separated interchanges at Loudoun County Pkwy and US 50.
28	158	Roadway	Widen VA 28, VA 7 to Old Ox Rd	Widen VA 28 (Sully Rd) from 6 to 8 lanes between Old Ox Rd (VA 606) and VA 7 (Harry Byrd Highway). Study of alternative uses (bus lanes, HOV) to be considered.
29	159	Roadway	Widen Dulles West Blvd from VA 606 to VA 659	Widen Dulles West Blvd (formerly Glascock Blvd) from 4 to 6 lanes between Loudoun County Pkwy (VA 606) and Arcola Blvd. Construct a four lane facility between Arcola Blvd and Northstar Blvd (VA 659 relocated).
30	160	Roadway	Extend Dulles West Blvd	Construct Dulles West Blvd (formerly Glascock Blvd) between Northstar Blvd (VA 659 Relocated) and Lenah Loop Rd: Construct a 2-lane roadway.
31	161	Roadway	Construct Greenway Loop Road (Barrister St)	Construct Greenway Loop Rd (Barrister St) between State Street/Landmark Court and Prentice Dr (VA 1071/VA 789 Extended): Construct a 4-lane roadway, including a bridge over VA 267.
32	162	Roadway	Widen VA 7, Leesburg Bypass to Atlantic Blvd (Harry Byrd Highway/East Market Street)	Widen VA 7 (Harry Byrd Highway) to 8 lanes between US 15 (Leesburg Bypass) and Atlantic Blvd (VA 1902). Study of alternative uses (bus lanes, HOV) to be considered for segment between VA 28 and Leesburg Bypass.

Segment 2-1: Loudoun County Parkway/Belmont Ridge Road — Rt. 7 to US 50

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
33	163	Roadway	Construct Moorefield Blvd	Construct Moorefield Blvd between Mooreview Pkwy (VA 772) and Loudoun County Pkwy (VA 607): Construct 3 lanes between Beth St and Centergate Dr, 4 lanes between Mooreview Pkwy and Beth St , and between Centergate Dr and Loudoun County Pkwy.
34	165	Roadway	Widen US 50, Northstar Blvd to Lenah Loop Rd	Widen US 50 (John Mosby Highway) to 4 lanes between Northstar Blvd (VA 659 relocated) and Lenah Loop Rd. Construct a new interchange at VA 659 Relocated (Northstar Blvd).
35	168	Roadway	Widen Loudoun County Pkwy, Old Ox Rd to US 50	Widen Loudoun County Parkway to 8 lanes between Old Ox Rd (VA 606) and US 50 (John Mosby Highway). Construct grade-separated interchanges at Old Ox Rd and US 50 and explore other grade-separated interchanges. Study alternative uses (bus lanes, HOV) along the corridor.
36	169	Roadway	Widen Loudoun County Pkwy, US 50 to Braddock Rd	Widen Loudoun County Pkwy from 4 to 6 lanes between US 50 (John Mosby Highway) and Braddock Rd (VA 620) and construct grade-separated interchange at US 50.
37	173	Roadway	Widen Old Ox Rd, VA 28 to Dulles Greenway	Widen Old Ox Rd (VA 606) to 6 lanes between VA 28 (Sully Rd) and VA 267 (Dulles Greenway).
38	174	Roadway	Widen Loudoun County Pkwy, GW Blvd to Waxpool Rd	Widen Loudoun County Pkwy (VA 607) to 6 lanes from George Washington Blvd (VA 1050) to Waxpool Rd (VA 625).
39	175	Roadway	Widen Loudoun County Pkwy, Waxpool Rd to VA 267	Widen Loudoun County Pkwy (VA 607) to 6 lanes from Waxpool Rd (VA 625) to Dulles Greenway (VA 267)
40	176	Roadway	Widen Loudoun County Pkwy, VA 267 to Old Ox Rd	Widen Loudoun County Pkwy from 4 to 6 lanes between VA 267 (Dulles Greenway) and Old Ox Rd (VA 606), near existing Arcola Rd
41	178	Roadway	Widen Evergreen Mills Rd, VA 606 to VA 659	Widen Evergreen Mills Rd (VA 621) from 2 to 4 lanes between Loudoun County Pkwy (VA 606) and Northstar Blvd (VA 659).

Segment 2-1: Loudoun County Parkway/Belmont Ridge Road — Rt. 7 to US 50

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
42	179	Roadway	Widen Evergreen Mills Rd from VA 621 Relocated to Battlefield Pkwy	Widen Evergreen Mills Rd (VA 621) from 2 to 4 lanes between Shreveport Dr (VA 621 Relocated) and Battlefield Pkwy.
43	181	Roadway	Widen VA 625 (Waxpool Rd / Farmwell Rd)	Widen Waxpool Rd (VA 625) to 6 lanes between Church Rd and Ashburn Rd (VA 641).
44	182	Roadway	Widen Sycolin Rd	Widen Sycolin Rd (VA 625) to 4 lanes between Belmont Ridge Rd (VA 659) and Battlefield Pkwy. Realign Sycolin Rd to accommodate expansion of Leesburg Airport**.
45	183	Roadway	Extend Shellhorn Rd	Extend Shellhorn Rd (VA 643) between Loudoun County Pkwy (VA 607) and Randolph Drive (VA 1072) - 4 lanes.
46	184	Roadway	Crosstrail Blvd (VA 653) (limits VA 7 to VA 267)	Construct missing segments and widen Crosstrail Blvd (VA 653) to six lanes between East Market St (VA 7) and the Dulles Greenway (VA 267), and extend Crosstrail Blvd from the Greenway to Evergreen Mills Rd.
47	185	Roadway	Widen Belmont Ridge Rd from VA 2401 to VA 7	Widen Belmont Ridge Rd (VA 659) from 4 lanes to 6 lanes between Riverside Pkwy (VA 2401) and VA 7 (Harry Byrd Highway).
48	186	Roadway	Widen Belmont Ridge Rd from VA 645 to VA 659	Widen Belmont Ridge Rd (VA 659) from 4 to 6 lanes between Croson Ln (VA 645) and Northstar Blvd / VA659 split.
49	187	Roadway	Widen Northstar Blvd from Belmont Ridge Rd to Braddock Rd	Widen/Construct Northstar Blvd (VA 659) to 6 lanes from Belmont Ridge Rd (VA 659) to Braddock Rd (VA 620). Construct grade-separated interchange at US 50. Potential grade-separation at Evergreen Mills Road.
50	189	Roadway	Construct interchange, Loudoun Cty Pkwy at Arcola	Construct grade-separated interchange, Loudoun Cty Pkwy at Arcola Blvd
51	226	Roadway	Construct VA 234 Bypass North, I-66 to US 50	Construct VA 234 Bypass North (Bi-County Parkway) from I-66 to US 50. Close US 29 from Pageland Lane to the bridge over Bull Run and close VA 234 Sudley Road from the southern park boundary to the northern park boundary.
52	234	Roadway	Construct eastern segment of Russell Branch Parkway	Construct four lanes of eastern segment of Russell Branch Parkway from Belmont Ridge Road to Tournament Parkway.

Segment 2-1: Loudoun County Parkway/Belmont Ridge Road — Rt. 7 to US 50

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
53	289	Transit	Loudoun Metrorail Station Pedestrian Improvements	Construct sidewalks, crosswalks, shared-use trails, and intersection improvements to improve pedestrian access to Silver Line Metro Stations (Route 606 and 772) in Loudoun County
54	304	Roadway	VA 7 "hot spot" and safety improvements	"Hot Spot" and safety improvements on VA 7 from the Fairfax County Line to the Clarke County Line, as directed by the Board.
55	309	Roadway	Extend Russell Branch Parkway (Leesburg)	Extend Russell Branch Parkway (Leesburg) from Cochran Mill Road (VA 653) to Trailview Blvd: Construct a 4-lane roadway.
56	310	Roadway	US 50 Widening / Interchanges	Widen US 50 (John Mosby Highway) to 6 lanes from Poland Rd to Northstar Blvd. Construct new interchanges at/near VA 2200 (Tall Cedars Parkway), VA Route 2201 (South Riding Blvd), VA 606 (Loudoun County Parkway), VA 606 Extended (Arcola Blvd/West Spine Rd), and VA 659 Relocated (Northstar Blvd). Potential grade-separation (interchange or overpass) at VA 609 (Pleasant Valley Road).
57	311	Roadway	Widen Belmont Ridge Road	Widen Belmont Ridge Road (VA 659) to 4 lanes from Shreveport Drive to Evergreen Mills Road (VA 621).
58	313	Transit	Transit buses purchase	Purchase of buses in support of Loudoun County's transit services.
59	314	Roadway	US 50 Improvements	Improvements along US 50 (John Mosby Highway/Washington Street) from the Fairfax County Line to the Fauquier County Line.
60	340	ITS/ICM	Northern Virginia ITS/ICM Improvements	Implement ITS and integrated corridor management strategies on key regional corridors and parallel facilities in Northern Virginia.
61	341	TDM	Northern Virginia TDM Strategies	Implement and expand TDM initiatives and programs in major employment centers within Northern Virginia

Segment 2-2: Bi-County Parkway — US 50 to I-66

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
1	14	Transit	Transit Connections to Silver Line Phase II Stations	Expand bus service and connections to Silver Line Phase II stations. Provide feeder bus service between Metrorail and P&R lots. Purchase buses for new service.
2	26	ITS/ICM	VA 234 Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on VA 234.
3	45	Transit	Vienna Metro Feeder Bus Service Expansion	Add new routes* and improve service levels on existing routes that serve the Vienna Metrorail station
4	61	ITS/ICM	East-West ICM Program: Parallel Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-66 corridor, including the deployment of intelligent signal monitoring/control technology to improve travel on east-west arterial facilities, including US 29, US 50, VA 7, and VA 236.
5	62	ITS/ICM	Connected Vehicle/Traffic Signal Integration Deployment	Traffic signal software integration to support future connected vehicle applications on multiple corridors including: I-66, I-495, US 29, US 50, and VA 7
6	119	Roadway	Construct Northstar Blvd from Shreveport Dr to US 50	Construct 4 lane Northstar Blvd facility from Shreveport Dr to US 50
7	131	Transit	US 50 Dulles Park and Ride Lot	Construct/expand US 50 Dulles Park and Ride Lot east of Loudoun County Pkwy. Anticipated capacity is 250 spaces.
8	156	Roadway	Construct Arcola Blvd	Construct Arcola Blvd between Loudoun County Pkwy (VA 607) (near intersection of Arcola Rd and Old Ox Rd) and US 50 (John Mosby Highway) - 6 lanes. Construct grade-separated interchanges at Loudoun County Pkwy and US 50.
9	160	Roadway	Extend Dulles West Blvd	Construct Dulles West Blvd (formerly Glascock Blvd) between Northstar Blvd (VA 659 Relocated) and Lenah Loop Rd: Construct a 2-lane roadway.
10	165	Roadway	Widen US 50, Northstar Blvd to Lenah Loop Rd	Widen US 50 (John Mosby Highway) to 4 lanes between Northstar Blvd (VA 659 relocated) and Lenah Loop Rd. Construct a new interchange at VA 659 Relocated (Northstar Blvd).

Segment 2-2: Bi-County Parkway — US 50 to I-66

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
11	177	Roadway	Widen Braddock Rd, Northstar Blvd to Fairfax County line	Widen Braddock Road (VA 620) from 2 to 4 lanes between Northstar Blvd and Fairfax County line.
12	187	Roadway	Widen Northstar Blvd from Belmont Ridge Rd to Braddock Rd	Widen/Construct Northstar Blvd (VA 659) to 6 lanes from Belmont Ridge Rd (VA 659) to Braddock Rd (VA 620). Construct grade-separated interchange at US 50. Potential grade-separation at Evergreen Mills Road.
13	201	Transit	New Gainesville / Haymarket to Dulles OmniRide	Implement new transit service from Gainesville and Haymarket to Dulles Airport via I-66 HOV lanes and Route 28. Requires 2 additional buses.
14	214	Roadway	Add NB lane to US 29	Add NB lane to US 29 from I-66 to the entrance to Conway Robinson Memorial State Forest.
15	226	Roadway	Construct VA 234 Bypass North, I-66 to US 50	Construct VA 234 Bypass North (Bi-County Parkway) from I-66 to US 50. Close US 29 from Pageland Lane to the bridge over Bull Run and close VA 234 Sudley Road from the southern park boundary to the northern park boundary.
16	235	Roadway	Construct University Boulevard	Construct four lanes from Progress Court to Sudley Manor Drive
17	240	Roadway	Widen Cushing Rd, Balls Ford Rd to I-66	Widen Cushing Rd to four lanes from Balls Ford Rd. to I-66
18	254	Roadway	Construct Manassas Battlefield Bypass	Construct a bypass around Manassas Battlefield National Park between VA 234 and Fairfax County
19	266	Roadway	Complete Rollins Ford Rd, Vint Hill Rd to Wellington Rd	Complete four lane Rollins Ford Rd, Linton Hall Rd to Wellington Rd
20	267	Roadway	Construct Station Rd, University Blvd to Balls Ford Rd	Construct four lane Station Rd, University Blvd to Balls Ford Rd
21	268	Roadway	Widen Sudley Rd, US 15 to US 29	Widen Sudley Rd to four lanes, US 15 James Madison Highway to US 29 Lee Highway
22	277	Roadway	Widen Wellington Blvd, Prince William Pkwy to Godwin Dr	Widen Wellington Road from 2 to 4 lanes between Godwin Dr. and the Prince William Pkwy. and from 2 to 6 lanes between the Prince William Pkwy. and University Blvd.
23	298	Transit	Implement new OmniLink service	Implement new OmniLink routes: Innovation-to-Gainesville/Haymarket; Innovation-to-Manassas; Montclair local

Segment 2-2: Bi-County Parkway — US 50 to I-66

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
24	310	Roadway	US 50 Widening / Interchanges	Widen US 50 (John Mosby Highway) to 6 lanes from Poland Rd to Northstar Blvd. Construct new interchanges at/near VA 2200 (Tall Cedars Parkway), VA Route 2201 (South Riding Blvd), VA 606 (Loudoun County Parkway), VA 606 Extended (Arcola Blvd/West Spine Rd), and VA 659 Relocated (Northstar Blvd). Potential grade-separation (interchange or overpass) at VA 609 (Pleasant Valley Road).
25	313	Transit	Transit buses purchase	Purchase of buses in support of Loudoun County's transit services.
26	314	Roadway	US 50 Improvements	Improvements along US 50 (John Mosby Highway/Washington Street) from the Fairfax County Line to the Fauquier County Line.
27	340	ITS/ICM	Northern Virginia ITS/ICM Improvements	Implement ITS and integrated corridor management strategies on key regional corridors and parallel facilities in Northern Virginia.

Segment 2-3: Rt. 234 — I-66 to I-95

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
1	25	Roadway	VA 28/Prince William Pkwy Interchange	Reconstruct interchange at VA 28 and Prince William Pkwy
2	26	ITS/ICM	VA 234 Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on VA 234.
3	34	Roadway	Godwin Dr Widening	Widen Godwin Dr from four to six lanes between Sudley Rd and VA 28
4	45	Transit	Vienna Metro Feeder Bus Service Expansion	Add new routes* and improve service levels on existing routes that serve the Vienna Metrorail station
5	61	ITS/ICM	East-West ICM Program: Parallel Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-66 corridor, including the deployment of intelligent signal monitoring/control technology to improve travel on east-west arterial facilities, including US 29, US 50, VA 7, and VA 236.
6	62	ITS/ICM	Connected Vehicle/Traffic Signal Integration Deployment	Traffic signal software integration to support future connected vehicle applications on multiple corridors including: I-66, I-495, US 29, US 50, and VA 7
7	87	Roadway	East Potomac River Crossing	Construct Eastern Potomac Crossing from I-95 to US 301 in Maryland
8	88	Roadway	Widen/Relocate US 1 in Town of Dumfries	Widen US 1 (Fraley Blvd) to six lanes between Brady's Hill Rd and Dumfries Rd (VA 234). Phase I includes widening to 4 lanes along current northbound alignment.

Segment 2-3: Rt. 234 — I-66 to I-95

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
9	91	ITS/ICM	I-95/I-395 ICM Program	I-95/I-395 ICM Program: -Multimodal Traveler Information: Integration of roadway, transit, and parking information. -Dynamic Ramp Metering: Upgrade of existing ramp metering system. -Parallel Arterial Operations Improvements: Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-95 corridor (including US 1 and Telegraph Rd) -Parking Management: Expansion of pilot program to additional PNR lots. -Decision Support System: Software system to support corridor management activities across multiple facilities and modes.
10	115	Transit	VRE Fredericksburg and Manassas Line Off-peak Service	Run bi-hourly trains during midday period between peaks on both Manassas and Fredericksburg Lines
11	201	Transit	New Gainesville / Haymarket to Dulles OmniRide	Implement new transit service from Gainesville and Haymarket to Dulles Airport via I-66 HOV lanes and Route 28. Requires 2 additional buses.
12	220	Roadway	Construct VA 234 Bypass Interchange at Balls Ford Rd	Project will provide a new grade separated interchange proposed at Rt. 234-Prince William Parkway and relocated Rt. 621-Balls Ford Road. In addition a new 4-lane facility with raised median will be constructed between Devlin Road and Doane Road
13	221	Roadway	Construct VA 234/ Sudley Manor Drive Interchange	Construct VA 234 Prince William Parkway Interchange at VA 1566 Sudley Manor Drive.
14	226	Roadway	Construct VA 234 Bypass North, I-66 to US 50	Construct VA 234 Bypass North (Bi-County Parkway) from I-66 to US 50. Close US 29 from Pageland Lane to the bridge over Bull Run and close VA 234 Sudley Road from the southern park boundary to the northern park boundary.
15	235	Roadway	Construct University Boulevard	Construct four lanes from Progress Court to Sudley Manor Drive

Segment 2-3: Rt. 234 — I-66 to I-95

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
16	238	Roadway	Widen Balls Ford Rd, Wellington Rd to Coppermine Dr	Widen Balls Ford Rd to four lanes from Wellington Rd to Coppermine Dr
17	240	Roadway	Widen Cushing Rd, Balls Ford Rd to I-66	Widen Cushing Rd to four lanes from Balls Ford Rd. to I-66
18	242	Roadway	Widen Devlin Rd, Wellington Rd to Linton Hall Rd	Widen Devlin Rd to four lanes from Wellington Rd to Linton Hall Rd
19	243	Roadway	Widen Dumfries Rd from Brentsville Road to Country Club Dr	Widen Dumfries Rd to six lanes from Brentsville Rd to Country Club Dr.
20	248	Roadway	Widen Hornbaker Rd, Wellington Rd to Nokesville Rd	Widen Hornbaker Rd to four lanes from Wellington Rd to Nokesville Rd
21	251	Roadway	US 1 Jefferson Davis Highway Widening, Dumfries Rd to Cardinal Dr	Widen US 1 Jefferson Davis Highway to six lanes between VA-234 Dumfries Rd and Cardinal Dr / Neabsco Rd
22	258	Roadway	Construct North South Rd, University Blvd to Wellington Rd	Construct four lane North South Rd, University Blvd to Wellington Rd
23	263	Roadway	Widen Prince William Pkwy, I-66 to Brentsville Rd	Widen Prince William Pkwy to six lanes, I-66 to Brentsville Rd
24	266	Roadway	Complete Rollins Ford Rd, Vint Hill Rd to Wellington Rd	Complete four lane Rollins Ford Rd, Linton Hall Rd to Wellington Rd
25	267	Roadway	Construct Station Rd, University Blvd to Balls Ford Rd	Construct four lane Station Rd, University Blvd to Balls Ford Rd
26	269	Roadway	Widen Sudley Manor Dr, Prince William Pkwy to Sudley Rd	Widen Sudley Manor Dr to six lanes, Prince William Pkwy to Sudley Rd
27	274	Roadway	Construct VanBuren North Rd, Cardinal Dr to Dumfries Rd	Construct four lane VanBuren North Rd, Cardinal Dr to Dumfries Rd
28	275	Roadway	Construct Van Buren South Rd, Dumfries Rd to Mine Rd	Construct four lane Van Buren South Rd, Dumfries Rd to Mine Rd
29	277	Roadway	Widen Wellington Blvd, Prince William Pkwy to Godwin Dr	Widen Wellington Road from 2 to 4 lanes between Godwin Dr. and the Prince William Pkwy. and from 2 to 6 lanes between the Prince William Pkwy. and University Blvd.
30	284	Roadway	VA Route 234 / Brentsville Interchange	Construct interchange at VA 234 and Brentsville Rd
31	285	Roadway	VA 234/ Clover Hill Rd Interchange	Construct a grade-separated interchange at VA 234/Prince William Pkwy and Clover Hill Rd

Segment 2-3: Rt. 234 — I-66 to I-95

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
32	297	Transit	Increase off-peak transit service on I-95 Corridor	Add bus trips to the existing service: Lake Ridge-DC, Lake Ridge-Pentagon/Crystal City; Dale City/Potomac Mills-Pentagon/Crystal City; Dale City/Potomac-Mills/Rosslyn/Ballston; Montclar/Dumfries-Pentagon/DC; Montclair/Dumfries-Pentagon; Dale City/Potomac Mills-Mark Center
33	298	Transit	Implement new OmniLink service	Implement new OmniLink routes: Innovation-to-Gainesville/Haymarket; Innovation-to-Manassas; Montclair local
34	301	Transit	VRE Manassas Line Rail Capacity Enhancements	Ph. 1: Increase frequencies to 20 min in peak period. In support of this improvement: a. Construct track capacity enhancements (additional track and capacity improvements) from Alexandria/AF to Manasss Line terminus, including existing Broad Run VRE station. b. Purchase additional rolling stock in support of 8-car trains and peak service improvements (TIP reflects purchases for 8-car trains in peak hour, additional needed beyond CLRP commitment). c. Construct/expand VRE equipment storage and maintenance facilities in Manassas and midday storage in Washington, D.C. d. Construct station/platform, parking and access improvements at VRE Manassas Line stations, including expand existing Broad Run VRE station/parking/access. e. Improve information sharing through ITS/TSM enhancements for improved communications. Rail improvements in support of I-81 / US-29 Intercity Passenger Rail (DRPT/AMTRAK)

Segment 2-3: Rt. 234 — I-66 to I-95

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
35	315	Transit	I-66 Corridor Park & Ride Prince William	Construct new park & ride lots along the I-66 corridor in Prince William at *Dominion, ***Innovation, ***James Madison Arrowleaf, ***Linton Hall School, and ***Yorkshire. Expand existing P&R capacity at *Limestone Drive and *Manassas Mall/Sears.
36	316	Transit	I-95 Corridor Park & Ride Prince William	Expand park & ride capacity at **Brittany Park, **Hillendale, **Montclair, **Old Bridge/Minnieville Rd, *Old Bridge Festival, ***Old Bridge/US route 1, *Potomac Mills, *Prince William Square, ***PRTC Transit Center, ***VA 234/ US 1, *Tacketts Mill Shopping Center, Construct a new park & ride lot at Cherry Hill and and a new park & ride garage at Potomac Center.
37	320	Roadway	Rt. 234 (P.W. Pkwy)/University Blvd. Interchange	Construct an interchange at Rt. 234 and University Blvd.
38	321	Roadway	Rt. 1 (Jefferson Davis Hwy.)/Rt. 234 (Dumfries Rd.)/Potomac Shores Pkwy.	Construct a "quadrant at-grade" interchange at Rt. 1, Rt. 234 and Potomac Shores Parkway
39	326	Transit	Manassas Line Peak Period Service Expansion	Improve frequencies to 15-min. peak period and new reverse peak period sevice. In support of this improvement: a. Purchase additional rolling stock b. Construct/expand VRE equipment storage and maintenance facilities c. Rail Line capacity improvements d. Station/Parking Access improvements e. ITS/TSM improvements.
40	327	Roadway	I-95 General Purpose Lanes Widening from Occoquan River Bridge to Route 234 (exit 152)	Widen SB I-95 to four lanes between the Occoquan River Bridge and VA 234 Dumfries Rd (exit 152).
41	339	ITS/ICM	I-95 ITS/ICM Improvements	Implement intelligent transportation systems, adaptive traffic control, and hard shoulder lanes on I-95
42	340	ITS/ICM	Northern Virginia ITS/ICM Improvements	Implement ITS and integrated corridor management strategies on key regional corridors and parallel facilities in Northern Virginia.
43	341	TDM	Northern Virginia TDM Strategies	Implement and expand TDM initiatives and programs in major employment centers within Northern Virginia

Segment 2-3: Rt. 234 — I-66 to I-95

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
44	342	Roadway	Joplin Rd Improvements	Implement speed limit adjustments on VA 619 Joplin Road.
45	344	Transit	VRE Express Service - Manassas Line	Implement peak period express service on VRE Manassas Line: - One express train and three local trains per hour during AM and PM peak periods - Stops at Broad Run, Manassas Park, Burke Centre, Alexandria, Crystal City, L'Enfant, and Union Station

Segment 3-1: Rt. 28 — Rt. 7 to I-66

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
1	10	Transit	East Loudon Park-and-ride	Construct new park-and-ride lots at VA 7 at Dulles Town Center and VA 7 at VA 659
2	12	Bike/Ped	Leesburg-Alexandria VA 7 Trail	Construct trail along VA 7 from Leesburg to Alexandria
3	14	Transit	Transit Connections to Silver Line Phase II Stations	Expand bus service and connections to Silver Line Phase II stations. Provide feeder bus service between Metrorail and P&R lots. Purchase buses for new service.
4	17	Transit	One Loudoun Park-and-Ride	Construct 200 space park-and-ride lot at One Loudoun near the corner of VA 7 and Loudoun County Parkway
5	20	Roadway	Davis Drive Extension & Dulles Toll Road - Rock Hill Overpass	Extend Davis Dr (VA 868) from Glenn Drive (VA 864) to Fairfax County line at the future bridge over VA Route 267. Realign Rock Hill Rd with Davis Drive. Construct a 4-lane roadway over the Dulles Toll Road from Sunrise Valley Drive on the south, to Davis Drive extension in Loudoun County on the north side. The project would include pedestrian and bicycle facilities.
6	24	Roadway	Outer Potomac River Crossing	Construct crossing of Potomac River between Route 28 in Virginia to I-270 in Maryland
7	27	Roadway	VA 28 Widening, I-66 to Loudoun	Widen VA 28 to 10 lanes between I-66 and Loudoun County (8 GP + 2 HOV)
8	29	Roadway	Centreville Rd Widening	Widen VA 657 (Centreville Road) to six lanes between Herndon Pkwy and Walney Rd
9	31	Roadway	VA 28 Widening, US 29 to Prince William Cty Line	Widen VA 28 to six lanes between Prince William County Line and U.S. 29
10	32	Transit	VA 28 LRT/BRT	Construct LRT / BRT line parallel to VA 28 from Manassas to Dulles Airport
11	33	Bike/Ped	VA 28 Trail	Construct a shared used path on both sides of VA 28 from Prince William County line to Dulles Toll Road
12	42	Transit	Fairfax County Pkwy Priority Bus Service	Implement priority bus service on Fairfax County Parkway between Herndon/Monroe Metrorail station and Ft. Belvoir

Segment 3-1: Rt. 28 — Rt. 7 to I-66

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
13	45	Transit	Vienna Metro Feeder Bus Service Expansion	Add new routes* and improve service levels on existing routes that serve the Vienna Metrorail station
14	48	Transit	Extend High Capacity Transit to Centreville	Extend High Capacity transit from Metrorail to Centreville Potential modes include LRT, BRT, or improved bus service on corridor between stations. Construction of stations and PNR lots at Centreville, Stringfellow, and Government Center / Fair Oaks, and a station serving the City of Fairfax.
15	61	ITS/ICM	East-West ICM Program: Parallel Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-66 corridor, including the deployment of intelligent signal monitoring/control technology to improve travel on east-west arterial facilities, including US 29, US 50, VA 7, and VA 236.
16	62	ITS/ICM	Connected Vehicle/Traffic Signal Integration Deployment	Traffic signal software integration to support future connected vehicle applications on multiple corridors including: I-66, I-495, US 29, US 50, and VA 7
17	100	Transit	Metrorail Fleet Expansion	Expand Metrorail fleet to enable operations of 100 percent eight-car trains during peak period. Expansion, upgrades, and replacements of the rail car fleet, traction power substations, power cabling, third rail, train control systems, and storage facilities.
18	108	Transit	Metrorail Real-Time Parking Info	Deployment of real-time parking information signage at WMATA rail stations
19	109	Transit	Loudoun County Phase III Bus Service	Implement Phase III bus service in Loudoun County, including local, express, intercounty, commuter, and demand-response services
20	120	Roadway	Waxpool Rd / Loudoun County Pkwy Intersection Improvements	Improve intersection at Waxpool Rd / Loudoun County Pkwy to include three westbound left-turn lanes on Waxpool Rd and a new free-flow right turn lane on Loudoun County Pkwy

Segment 3-1: Rt. 28 — Rt. 7 to I-66

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
21	144	Roadway	Lockridge Rd Widening	Widen Lockridge Rd (VA 789) to 4 lanes from Old Ox Rd (VA 606) to Prentice Dr (VA 1071). Provides access for VA 606 Metrorail Station. Extend Lockridge Rd (VA 789) from Prentice Dr (VA 1071) to Waxpool Rd (VA 640) - construct 4 lanes.
22	145	Roadway	Sterling Blvd Widening	Widen Sterling Blvd (VA 846) from Sully Road (VA 28) to Davis Drive (VA 868) from 4 to 6 lanes.
23	146	Roadway	Sterling Blvd Extension	Extend Sterling Blvd (VA 846) from Randolph Drive (VA 1072) to Pacific Blvd (VA 1036) - construct 4 lanes.
24	147	Roadway	Pacific Blvd Extension	Extend Pacific Blvd (VA 28 West Collector Rd) from Old Ox Rd (VA 606) to Innovation Ave (VA 209): Widen/construct 6-lane roadway. Potential modification to existing VA 28/Innovation Ave interchange.
25	148	Roadway	Russell Branch Parkway Widening	Widen Russell Branch Pkwy (VA 7 South Collector Rd) between Pacific Blvd (VA 1036) and Claiborne Pkwy (VA 901): Widen/construct a 6-lane roadway.
26	149	Roadway	Prentice Drive Extension	Extend Prentice Drive west from Lockridge Road (VA 789) to Shellhorn Road (VA 643) - construct 4 lanes.
27	151	Roadway	WIden Smith Switch Road	Widen Smith Switch Rd (VA 1950) from 2 to 4 lanes between Waxpool Road (VA 625) and Gloucester Pkwy (VA 2150)
28	152	Roadway	Widen Gloucester Parkway	Widen Gloucester Parkway (VA 2150) from 4 to 6 lanes between VA 28 (Sully Rd) and Loudoun County Pkwy (VA 607).
29	154	Roadway	Widen VA 28, Fairfax County line to VA 606	Widen VA 28 (Sully Rd) from 6 to 10 lanes between Fairfax County line and Old Ox Rd (VA 606). Study of alternative uses (bus lanes, HOV) to be considered.
30	158	Roadway	Widen VA 28, VA 7 to Old Ox Rd	Widen VA 28 (Sully Rd) from 6 to 8 lanes between Old Ox Rd (VA 606) and VA 7 (Harry Byrd Highway). Study of alternative uses (bus lanes, HOV) to be considered.

Segment 3-1: Rt. 28 — Rt. 7 to I-66

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
31	162	Roadway	Widen VA 7, Leesburg Bypass to Atlantic Blvd (Harry Byrd Highway/East Market Street)	Widen VA 7 (Harry Byrd Highway) to 8 lanes between US 15 (Leesburg Bypass) and Atlantic Blvd (VA 1902). Study of alternative uses (bus lanes, HOV) to be considered for segment between VA 28 and Leesburg Bypass.
32	166	Roadway	Widen Innovation Avenue	Widen Innovation Avenue (VA 209) between VA 28 (Sully Rd) and Fairfax County line from 4 to 6 lanes. Road to be realigned along northern boundary of Dulles Wold Center site. Includes connection to Rock Hill Rd (VA 605). Potential future modification to existing Route 28/Innovation interchange.
33	171	Roadway	Widen Old Ox Rd, VA 28 to Fairfax County line	Widen Old Ox Rd (VA 606) to 6 lanes between VA 28 (Sully Rd) and Fairfax County line / Herndon town limits.
34	173	Roadway	Widen Old Ox Rd, VA 28 to Dulles Greenway	Widen Old Ox Rd (VA 606) to 6 lanes between VA 28 (Sully Rd) and VA 267 (Dulles Greenway).
35	174	Roadway	Widen Loudoun County Pkwy, GW Blvd to Waxpool Rd	Widen Loudoun County Pkwy (VA 607) to 6 lanes from George Washington Blvd (VA 1050) to Waxpool Rd (VA 625).
36	175	Roadway	Widen Loudoun County Pkwy, Waxpool Rd to VA 267	Widen Loudoun County Pkwy (VA 607) to 6 lanes from Waxpool Rd (VA 625) to Dulles Greenway (VA 267)
37	181	Roadway	Widen VA 625 (Waxpool Rd / Farmwell Rd)	Widen Waxpool Rd (VA 625) to 6 lanes between Church Rd and Ashburn Rd (VA 641).
38	183	Roadway	Extend Shellhorn Rd	Extend Shellhorn Rd (VA 643) between Loudoun County Pkwy (VA 607) and Randolph Drive (VA 1072) - 4 lanes.
39	188	Roadway	Widen Relocation Drive	Widen Relocation Dr (VA 775) from 2 to 4 lanes between Old Ox Rd (VA 606) and Pacific Blvd (VA 1036).
40	191	Roadway	Improve interchange, VA 28 at Old Ox Rd	Improve grade-separated intersection, VA 28 at Old Ox Rd
41	200	Transit	New Manassas to Dulles OmniRide	Implement new transit service from Manassas to Dulles Aiport via Route 28. Requires additional 4 buses.
42	201	Transit	New Gainesville / Haymarket to Dulles OmniRide	Implement new transit service from Gainesville and Haymarket to Dulles Airport via I-66 HOV lanes and Route 28. Requires 2 additional buses.

Segment 3-1: Rt. 28 — Rt. 7 to I-66

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
43	212	Roadway	Widen Dulles Airport Access Road	Widen Dulles Airport Access Road from Dulles Airport to VA 123
44	222	Roadway	Widen/upgrade/convert VA 286 Fairfax County Parkway to include HOV lanes	Widen/upgrade/convert VA 286 Fairfax County Parkway to include HOV lanes from VA 267 Dulles Toll Road to I-66.
45	233	Roadway	Construct VA 606 ramp	Construct VA 606 ramp
46	304	Roadway	VA 7 "hot spot" and safety improvements	"Hot Spot" and safety improvements on VA 7 from the Fairfax County Line to the Clarke County Line, as directed by the Board.
47	313	Transit	Transit buses purchase	Purchase of buses in support of Loudoun County's transit services.
48	330	Transit	Fairfax County Express Bus, Reston / Franconia-Springfield	Implement express bus service along VA 286 Fairfax County Parkway between Reston Metro and Franconia-Springfield Metro
49	340	ITS/ICM	Northern Virginia ITS/ICM Improvements	Implement ITS and integrated corridor management strategies on key regional corridors and parallel facilities in Northern Virginia.
50	341	TDM	Northern Virginia TDM Strategies	Implement and expand TDM initiatives and programs in major employment centers within Northern Virginia
51	346	Roadway	Dulles Greenway Merge Lanes	Construct additional capacity on Dulles Greenway at merges, particularly at the connections with the Dulles Toll Road, to allows for better operation and weave movements.
52	347	Roadway	VA-28 Reversible HOV Lanes	Implement reversible HOV lanes on VA-28 between I-66 and the Dulles Toll Road during AM and PM peak periods
53	357	Roadway	Braddock Rd Widening, VA-28 to County Line	Widen Braddock Rd to four lanes between VA-28 and the Fairfax County Line

Segment 3-2: Rt. 28 — I-66 to Fauquier County Line

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
1	25	Roadway	VA 28/Prince William Pkwy Interchange	Reconstruct interchange at VA 28 and Prince William Pkwy
2	26	ITS/ICM	VA 234 Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on VA 234.
3	27	Roadway	VA 28 Widening, I-66 to Loudoun	Widen VA 28 to 10 lanes between I-66 and Loudoun County (8 GP + 2 HOV)
4	28	Roadway	VA 28 / New Braddock Rd Interchange	Construct an interchange at VA 28 and New Braddock Road
5	30	Roadway	VA 28 Widening, Conner Dr to Old Centreville Rd	Widen VA 28 to six lanes between Conner Drive and Old Centreville Road
6	31	Roadway	VA 28 Widening, US 29 to Prince William Cty Line	Widen VA 28 to six lanes between Prince William County Line and U.S. 29
7	32	Transit	VA 28 LRT/BRT	Construct LRT / BRT line parallel to VA 28 from Manassas to Dulles Airport
8	33	Bike/Ped	VA 28 Trail	Construct a shared used path on both sides of VA 28 from Prince William County line to Dulles Toll Road
9	34	Roadway	Godwin Dr Widening	Widen Godwin Dr from four to six lanes between Sudley Rd and VA 28
10	45	Transit	Vienna Metro Feeder Bus Service Expansion	Add new routes* and improve service levels on existing routes that serve the Vienna Metrorail station
11	48	Transit	Extend High Capacity Transit to Centreville	Extend High Capacity transit from Metrorail to Centreville Potential modes include LRT, BRT, or improved bus service on corridor between stations. Construction of stations and PNR lots at Centreville, Stringfellow, and Government Center / Fair Oaks, and a station serving the City of Fairfax.
12	52	Roadway	Stone Road Overpass over I-66 from Route 29 to Route 28	Construct 4-lane divided road between Stone Road at Route 29 and New Braddock Road, including bridges over I-66 and Big Rocky Run and a shared use path
13	61	ITS/ICM	East-West ICM Program: Parallel Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-66 corridor, including the deployment of intelligent signal monitoring/control technology to improve travel on east-west arterial facilities, including US 29, US 50, VA 7, and VA 236.

Segment 3-2: Rt. 28 — I-66 to Fauquier County Line

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
14	62	ITS/ICM	Connected Vehicle/Traffic Signal Integration Deployment	Traffic signal software integration to support future connected vehicle applications on multiple corridors including: I-66, I-495, US 29, US 50, and VA 7
15	115	Transit	VRE Fredericksburg and Manassas Line Off-peak Service	Run bi-hourly trains during midday period between peaks on both Manassas and Fredericksburg Lines
16	200	Transit	New Manassas to Dulles OmniRide	Implement new transit service from Manassas to Dulles Aiport via Route 28. Requires additional 4 buses.
17	201	Transit	New Gainesville / Haymarket to Dulles OmniRide	Implement new transit service from Gainesville and Haymarket to Dulles Airport via I-66 HOV lanes and Route 28. Requires 2 additional buses.
18	216	Roadway	Widen US 29, VA 665 to Pickwick Rd	Widen US 29 from 4 to 6 lanes from Waples Mill Rd to Pickwick Road
19	230	Roadway	Construct/widen New Braddock Road	Construct/widen New Braddock Road from 0/2 lanes to 4 lanes from VA 28 to US 29 at VA 662 (Stone Road).
20	248	Roadway	Widen Hornbaker Rd, Wellington Rd to Nokesville Rd	Widen Hornbaker Rd to four lanes from Wellington Rd to Nokesville Rd
21	258	Roadway	Construct North South Rd, University Blvd to Wellington Rd	Construct four lane North South Rd, University Blvd to Wellington Rd
22	261	Roadway	Widen Old Centreville Rd, Fairfax CL to Centreville Rd (VA 28)	Widen Old Centreville Rd to four lanes between Fairfax County line and Centreville Rd (VA 28)
23	263	Roadway	Widen Prince William Pkwy, I-66 to Brentsville Rd	Widen Prince William Pkwy to six lanes, I-66 to Brentsville Rd
24	264	Roadway	Widen Prince William Pkwy, Liberia Ave to Hoadly Rd	Widen Prince William Pkwy to six lanes, Liberia Ave to Hoadly Rd
25	273	Roadway	Godwin Drive Extension	Construct four lane extension of Godwin Drive between Sudley Rd and Route 28 between Bull Run and Compton Rd. Construct grade-separated interchanges at Lomond Dr and Sudley Rd
26	276	Roadway	Widen Vint Hill Rd, Fauquier CL to Schaeffer Lane	Widen Vint Hill Rd to four lanes, Fauquier CL to Schaeffer Lane
27	277	Roadway	Widen Wellington Blvd, Prince William Pkwy to Godwin Dr	Widen Wellington Road from 2 to 4 lanes between Godwin Dr. and the Prince William Pkwy. and from 2 to 6 lanes between the Prince William Pkwy. and University Blvd.

Segment 3-2: Rt. 28 — I-66 to Fauquier County Line

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
28	278	Roadway	Widen Liberia Ave, Prince William Pkwy to Centreville Rd (VA 28)	Widen Liberia Ave to six lanes, Prince William Pkwy to Centreville Rd (VA 28)
29	279	Roadway	Widen VA 28, Liberia Ave to Manassas Park North CL	Widen VA 28 to six lanes, Liberia Ave to Manassas Park North CL
30	298	Transit	Implement new OmniLink service	Implement new OmniLink routes: Innovation-to-Gainesville/Haymarket; Innovation-to-Manassas; Montclair local
31	301	Transit	VRE Manassas Line Rail Capacity Enhancements	Phase 1: Increase frequencies to 20 min in peak period. In support of this improvement: a. Construct track capacity enhancements (additional track and capacity improvements) from Alexandria/AF to Manasss Line terminus, including existing Broad Run VRE station. b. Purchase additional rolling stock in support of 8-car trains and peak service improvements (TIP reflects purchases for 8-car trains in peak hour, additional needed beyond CLRP commitment). c. Construct/expand VRE equipment storage and maintenance facilities in Manassas and midday storage in Washington, D.C. d. Construct station/platform, parking and access improvements at VRE Manassas Line stations, including expand existing Broad Run VRE station/parking/access. e. Improve information sharing through ITS/TSM enhancements for improved communications. Rail improvements in support of I-81 / US-29 Intercity Passenger Rail (DRPT/AMTRAK)
32	315	Transit	I-66 Corridor Park & Ride Prince William	Construct new park & ride lots along the I-66 corridor in Prince William at *Dominion, ***Innovation, ***James Madison Arrowleaf, ***Linton Hall School, and ***Yorkshire. Expand existing P&R capacity at *Limestone Drive and *Manassas Mall/Sears.
33	320	Roadway	Rt. 234 (P.W. Pkwy)/University Blvd. Interchange	Construct an interchange at Rt. 234 and University Blvd.

Segment 3-2: Rt. 28 — I-66 to Fauquier County Line

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
34	326	Transit	Manassas Line Peak Period Service Expansion	Improve frequencies to 15-min. peak period and new reverse peak period sevice. In support of this improvement: a. Purchase additional rolling stock b. Construct/expand VRE equipment storage and maintenance facilities c. Rail Line capacity improvements d. Station/Parking Access improvements e. ITS/TSM improvements.
35	328	Roadway	Widen Route 28 from 4 -6 lanes from Conner Drive (Manassas/PWC line) to Bull Run Creek (Fairfax County Line)	Widen Route 28 from 4 -6 lanes from Conner Drive (Manassas/PWC line) to Bull Run Creek (Fairfax County Line).
36	340	ITS/ICM	Northern Virginia ITS/ICM Improvements	Implement ITS and integrated corridor management strategies on key regional corridors and parallel facilities in Northern Virginia.
37	341	TDM	Northern Virginia TDM Strategies	Implement and expand TDM initiatives and programs in major employment centers within Northern Virginia
38	344	Transit	VRE Express Service - Manassas Line	Implement peak period express service on VRE Manassas Line: - One express train and three local trains per hour during AM and PM peak periods - Stops at Broad Run, Manassas Park, Burke Centre, Alexandria, Crystal City, L'Enfant, and Union Station
39	347	Roadway	VA-28 Reversible HOV Lanes	Implement reversible HOV lanes on VA-28 between I-66 and the Dulles Toll Road during AM and PM peak periods
40	351	Roadway	Tri-County Parkway	Construct four-lane Tri-County Parkway facility between Godwin Drive extension and I-66 interchange. Construct four lane facility between I-66 and Manassas Battlefield Parkway / Gum Springs Rd.
41	357	Roadway	Braddock Rd Widening, VA-28 to County Line	Widen Braddock Rd to four lanes between VA-28 and the Fairfax County Line
42	358	Roadway	Euclid Avenue Extension	Extend four lane Euclid Avenue north from Prescott Ave to Route 28 south of Bull Run

Segment 4-1: Prince William Parkway — I-66 to I-95

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
1	25	Roadway	VA 28/Prince William Pkwy Interchange	Reconstruct interchange at VA 28 and Prince William Pkwy
2	26	ITS/ICM	VA 234 Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on VA 234.
3	32	Transit	VA 28 LRT/BRT	Construct LRT / BRT line parallel to VA 28 from Manassas to Dulles Airport
4	34	Roadway	Godwin Dr Widening	Widen Godwin Dr from four to six lanes between Sudley Rd and VA 28
5	35	Roadway	Prince William Parkway Widening at I-95	Widen Prince William Parkway to six lanes between the I-95 on / off ramps
6	36	Roadway	Sudley Road Widening	Widen Sudley Road from four to six lanes from I-66 to Balls Ford Road
7	45	Transit	Vienna Metro Feeder Bus Service Expansion	Add new routes* and improve service levels on existing routes that serve the Vienna Metrorail station
8	61	ITS/ICM	East-West ICM Program: Parallel Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-66 corridor, including the deployment of intelligent signal monitoring/control technology to improve travel on east-west arterial facilities, including US 29, US 50, VA 7, and VA 236.
9	62	ITS/ICM	Connected Vehicle/Traffic Signal Integration Deployment	Traffic signal software integration to support future connected vehicle applications on multiple corridors including: I-66, I-495, US 29, US 50, and VA 7
10	81	Transit	High Capacity Transit Extension to Potomac Mills	Extend high capacity surface transit from Springfield to Potomac Mills. Potential modes include LRT, BRT, or improved bus service on corridor between stations**. Potomac Mills to serve as a park-ride lot.

Segment 4-1: Prince William Parkway — I-66 to I-95

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
11	91	ITS/ICM	I-95/I-395 ICM Program	I-95/I-395 ICM Program: -Multimodal Traveler Information: Integration of roadway, transit, and parking information. -Dynamic Ramp Metering: Upgrade of existing ramp metering system. -Parallel Arterial Operations Improvements: Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-95 corridor (including US 1 and Telegraph Rd) -Parking Management: Expansion of pilot program to additional PNR lots. -Decision Support System: Software system to support corridor management activities across multiple facilities and modes.
12	115	Transit	VRE Fredericksburg and Manassas Line Off-peak Service	Run bi-hourly trains during midday period between peaks on both Manassas and Fredericksburg Lines
13	199	Transit	New Central/East County to Pentagon/DC OmniRide	Implement new transit route between Central East Prince William County, Pentagon, and downtown DC via the I-95 HOV lanes. Requires 4 additional buses.
14	200	Transit	New Manassas to Dulles OmniRide	Implement new transit service from Manassas to Dulles Aiport via Route 28. Requires additional 4 buses.
15	201	Transit	New Gainesville / Haymarket to Dulles OmniRide	Implement new transit service from Gainesville and Haymarket to Dulles Airport via I-66 HOV lanes and Route 28. Requires 2 additional buses.
16	238	Roadway	Widen Balls Ford Rd, Wellington Rd to Coppermine Dr	Widen Balls Ford Rd to four lanes from Wellington Rd to Coppermine Dr
17	241	Roadway	Widen Dale Blvd, US 1 to Benita Fitzgerald Dr	Widen Dale Blvd to six lanes from US 1 to Benita Fitzgerald Dr
18	248	Roadway	Widen Hornbaker Rd, Wellington Rd to Nokesville Rd	Widen Hornbaker Rd to four lanes from Wellington Rd to Nokesville Rd
19	258	Roadway	Construct North South Rd, University Blvd to Wellington Rd	Construct four lane North South Rd, University Blvd to Wellington Rd
20	259	Roadway	Widen Old Bridge Rd, Colby Dr to Minnieville Rd	Widen Old Bridge Rd to six lanes, Colby Dr to Minnieville Rd

Segment 4-1: Prince William Parkway — I-66 to I-95

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
21	262	Roadway	Widen Opitz Blvd, Gideon Dr to US 1	Widen Opitz Blvd to six lanes, Gideon Dr to US 1
22	263	Roadway	Widen Prince William Pkwy, I-66 to Brentsville Rd	Widen Prince William Pkwy to six lanes, I-66 to Brentsville Rd
23	264	Roadway	Widen Prince William Pkwy, Liberia Ave to Hoadly Rd	Widen Prince William Pkwy to six lanes, Liberia Ave to Hoadly Rd
24	268	Roadway	Widen Sudley Rd, US 15 to US 29	Widen Sudley Rd to four lanes, US 15 James Madison Highway to US 29 Lee Highway
25	269	Roadway	Widen Sudley Manor Dr, Prince William Pkwy to Sudley Rd	Widen Sudley Manor Dr to six lanes, Prince William Pkwy to Sudley Rd
26	270	Roadway	Summit School Road Extension and Widening	Extend Summit School Road from Minnieville Road to Telegraph Road as a six lane road.
27	271	Roadway	Construct/widen Telegraph Rd, Minnieville Rd to VA-294	Widen Telegraph Rd to four lanes between Minnieville Rd and Summit School Rd Widen Telegraph Rd to six lanes between Summit School Rd and Caton Hill Rd Widen Telegraph Rd to four lanes between Caton Hill Rd and VA-294
28	273	Roadway	Godwin Drive Extension	Construct four lane extension of Godwin Drive between Sudley Rd and Route 28 between Bull Run and Compton Rd. Construct grade-separated interchanges at Lomond Dr and Sudley Rd
29	277	Roadway	Widen Wellington Blvd, Prince William Pkwy to Godwin Dr	Widen Wellington Road from 2 to 4 lanes between Godwin Dr. and the Prince William Pkwy. and from 2 to 6 lanes between the Prince William Pkwy. and University Blvd.
30	278	Roadway	Widen Liberia Ave, Prince William Pkwy to Centreville Rd (VA 28)	Widen Liberia Ave to six lanes, Prince William Pkwy to Centreville Rd (VA 28)
31	279	Roadway	Widen VA 28, Liberia Ave to Manassas Park North CL	Widen VA 28 to six lanes, Liberia Ave to Manassas Park North CL
32	280	Roadway	Prince William Pkwy / Minnieville Rd Interchange	Construct interchange at Prince William Parkway and Minnieville Rd
33	281	Roadway	Prince William Pkwy / Smoketown Rd Interchange	Construct interchange at Prince William Parkway and Smoketown Rd
34	285	Roadway	VA 234/ Clover Hill Rd Interchange	Construct a grade-separated interchange at VA 234/Prince William Pkwy and Clover Hill Rd

Segment 4-1: Prince William Parkway — I-66 to I-95

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
35	297	Transit	Increase off-peak transit service on I-95 Corridor	Add bus trips to the existing service: Lake Ridge-DC, Lake Ridge-Pentagon/Crystal City; Dale City/Potomac Mills-Pentagon/Crystal City; Dale City/Potomac-Mills/Rosslyn/Ballston; Montclar/Dumfries-Pentagon/DC; Montclair/Dumfries-Pentagon; Dale City/Potomac Mills-Mark Center
36	298	Transit	Implement new OmniLink service	Implement new OmniLink routes: Innovation-to-Gainesville/Haymarket; Innovation-to-Manassas; Montclair local
37	301	Transit	VRE Manassas Line Rail Capacity Enhancements	Ph. 1: Increase frequencies to 20 min in peak period. In support of this improvement: a. Construct track capacity enhancements (additional track and capacity improvements) from Alexandria/AF to Manasss Line terminus, including existing Broad Run VRE station. b. Purchase additional rolling stock in support of 8-car trains and peak service improvements (TIP reflects purchases for 8-car trains in peak hour, additional needed beyond CLRP commitment). c. Construct/expand VRE equipment storage and maintenance facilities in Manassas and midday storage in Washington, D.C. d. Construct station/platform, parking and access improvements at VRE Manassas Line stations, including expand existing Broad Run VRE station/parking/access. e. Improve information sharing through ITS/TSM enhancements for improved communications. Rail improvements in support of I-81 / US-29 Intercity Passenger Rail (DRPT/AMTRAK)

Segment 4-1: Prince William Parkway — I-66 to I-95

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
38	315	Transit	I-66 Corridor Park & Ride Prince William	Construct new park & ride lots along the I-66 corridor in Prince William at *Dominion, ***Innovation, ***James Madison Arrowleaf, ***Linton Hall School, and ***Yorkshire. Expand existing P&R capacity at *Limestone Drive and *Manassas Mall/Sears.
39	316	Transit	I-95 Corridor Park & Ride Prince William	Expand park & ride capacity at **Brittany Park, **Hillendale, **Montclair, **Old Bridge/Minnieville Rd, *Old Bridge Festival, ***Old Bridge/US route 1, *Potomac Mills, *Prince William Square, ***PRTC Transit Center, ***VA 234/ US 1, *Tacketts Mill Shopping Center, Construct a new park & ride lot at Cherry Hill and and a new park & ride garage at Potomac Center.
40	320	Roadway	Rt. 234 (P.W. Pkwy)/University Blvd. Interchange	Construct an interchange at Rt. 234 and University Blvd.
41	322	Roadway	Rt. 294 (P.W. Pkwy.)/Old Bridge Road	Construct an interchange at Rt. 294 and Old Bridge Road
42	326	Transit	Manassas Line Peak Period Service Expansion	Improve frequencies to 15-min. peak period and new reverse peak period sevice. In support of this improvement: a. Purchase additional rolling stock b. Construct/expand VRE equipment storage and maintenance facilities c. Rail Line capacity improvements d. Station/Parking Access improvements e. ITS/TSM improvements.
43	327	Roadway	I-95 General Purpose Lanes Widening from Occoquan River Bridge to Route 234 (exit 152)	Widen SB I-95 to four lanes between the Occoquan River Bridge and VA 234 Dumfries Rd (exit 152).
44	328	Roadway	Widen Route 28 from 4 -6 lanes from Conner Drive (Manassas/PWC line) to Bull Run Creek (Fairfax County Line)	Widen Route 28 from 4 -6 lanes from Conner Drive (Manassas/PWC line) to Bull Run Creek (Fairfax County Line).
45	339	ITS/ICM	I-95 ITS/ICM Improvements	Implement intelligent transportation systems, adaptive traffic control, and hard shoulder lanes on I-95
46	340	ITS/ICM	Northern Virginia ITS/ICM Improvements	Implement ITS and integrated corridor management strategies on key regional corridors and parallel facilities in Northern Virginia.

Segment 4-1: Prince William Parkway — I-66 to I-95

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
47	341	TDM	Northern Virginia TDM Strategies	Implement and expand TDM initiatives and programs in major employment centers within Northern Virginia
48	344	Transit	VRE Express Service - Manassas Line	Implement peak period express service on VRE Manassas Line: - One express train and three local trains per hour during AM and PM peak periods - Stops at Broad Run, Manassas Park, Burke Centre, Alexandria, Crystal City, L'Enfant, and Union Station
49	351	Roadway	Tri-County Parkway	Construct four-lane Tri-County Parkway facility between Godwin Drive extension and I-66 interchange. Construct four lane facility between I-66 and Manassas Battlefield Parkway / Gum Springs Rd.

Segment 5-1: Fairfax County Parkway — Rt. 7 to US 50

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
1	8	Roadway	Soapstone Dr Extension	Extend Soapstone Dr over Dulles Toll Road
2	12	Bike/Ped	Leesburg-Alexandria VA 7 Trail	Construct trail along VA 7 from Leesburg to Alexandria
3	13	Roadway	Herndon Metrorail Station Pedestrian/Bike Improvements	Implement roadway, bicycle, and pedestrian improvements to improve access to the Herndon Metrorail Station, including: i. Construct an extension to the Folly Lick Trail from Van Buren St to future Herndon Metrorail station; ii. Continue improvements of the W&OD Trail on select sections within Herndon town limits; iii. Construct extension of Sugarland Run Trail from existing terminus to pedestrian access pavilion at future Herndon Metrorail station; iv. Construct missing regional links in Folly Lick Region Trail between Wiehle Ave and connection with W&OD Trail; v. Reconstruct Herndon Parkway with 'Complete Street' improvements to include 1-way cycle tracks, wide sidewalks and bus stop enhancements (between Van Buren Street and W&OD Regional Trail) to connect with Herndon Metrorail Station; vi. Reconstruct Van Buren Street between Old Spring St and town limits with 'Complete Streets' improvements to expand and enhance on and off-street
4	14	Transit	Transit Connections to Silver Line Phase II Stations	Expand bus service and connections to Silver Line Phase II stations. Provide feeder bus service between Metrorail and P&R lots. Purchase buses for new service.
5	18	Roadway	Dulles Toll Road - Town Center Parkway Underpass	Construct 4-lane divided roadway under the Dulles Toll Road from Sunrise Valley Drive to Sunset Hills Road

Segment 5-1: Fairfax County Parkway — Rt. 7 to US 50

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
6	21	Roadway	Hunter Mill Road/Sunset Hills Road Improvements	Widen Hunter Mill Road to four lanes between Crowell Road and VA 267 Dulles Toll Road. Widen Sunset Hills Road to four lanes between Wiehle Ave and Hunter Mill Road, realigned with Crowell Road.
7	23	Bike/Ped	Herndon Bike-Sharing Services	Introduce and expand bike-sharing services in Herndon
8	27	Roadway	VA 28 Widening, I-66 to Loudoun	Widen VA 28 to 10 lanes between I-66 and Loudoun County (8 GP + 2 HOV)
9	29	Roadway	Centreville Rd Widening	Widen VA 657 (Centreville Road) to six lanes between Herndon Pkwy and Walney Rd
10	32	Transit	VA 28 LRT/BRT	Construct LRT / BRT line parallel to VA 28 from Manassas to Dulles Airport
11	33	Bike/Ped	VA 28 Trail	Construct a shared used path on both sides of VA 28 from Prince William County line to Dulles Toll Road
12	37	Roadway	Fairfax County Pkwy HOV Widening (Dulles Toll Rd)	Widen Fairfax County Pkwy by adding HOV lanes from Dulles Toll Rd to VA 7
13	42	Transit	Fairfax County Pkwy Priority Bus Service	Implement priority bus service on Fairfax County Parkway between Herndon/Monroe Metrorail station and Ft. Belvoir
14	45	Transit	Vienna Metro Feeder Bus Service Expansion	Add new routes* and improve service levels on existing routes that serve the Vienna Metrorail station
15	61	ITS/ICM	East-West ICM Program: Parallel Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-66 corridor, including the deployment of intelligent signal monitoring/control technology to improve travel on east-west arterial facilities, including US 29, US 50, VA 7, and VA 236.
16	62	ITS/ICM	Connected Vehicle/Traffic Signal Integration Deployment	Traffic signal software integration to support future connected vehicle applications on multiple corridors including: I-66, I-495, US 29, US 50, and VA 7

Segment 5-1: Fairfax County Parkway — Rt. 7 to US 50

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
17	100	Transit	Metrorail Fleet Expansion	Expand Metrorail fleet to enable operations of 100 percent eight-car trains during peak period. Expansion, upgrades, and replacements of the rail car fleet, traction power substations, power cabling, third rail, train control systems, and storage facilities.
18	109	Transit	Loudoun County Phase III Bus Service	Implement Phase III bus service in Loudoun County, including local, express, intercounty, commuter, and demand-response services
19	123	Roadway	Fairfax County Pkwy / Sunrise Valley Dr Interchange	Construct a grade-separated interchange at Fairfax Couny Parkway and Sunrise Valley Dr
20	200	Transit	New Manassas to Dulles OmniRide	Implement new transit service from Manassas to Dulles Aiport via Route 28. Requires additional 4 buses.
21	201	Transit	New Gainesville / Haymarket to Dulles OmniRide	Implement new transit service from Gainesville and Haymarket to Dulles Airport via I-66 HOV lanes and Route 28. Requires 2 additional buses.
22	212	Roadway	Widen Dulles Airport Access Road	Widen Dulles Airport Access Road from Dulles Airport to VA 123
23	222	Roadway	Widen/upgrade/convert VA 286 Fairfax County Parkway to include HOV lanes	Widen/upgrade/convert VA 286 Fairfax County Parkway to include HOV lanes from VA 267 Dulles Toll Road to I-66.
24	228	Roadway	Widen Reston Parkway	Widen Reston Parkway from 4 to 6 lanes between South Lakes Dr and Dulles Toll Road VA 267
25	304	Roadway	VA 7 "hot spot" and safety improvements	"Hot Spot" and safety improvements on VA 7 from the Fairfax County Line to the Clarke County Line, as directed by the Board.
26	313	Transit	Transit buses purchase	Purchase of buses in support of Loudoun County's transit services.
27	330	Transit	Fairfax County Express Bus, Reston / Franconia-Springfield	Implement express bus service along VA 286 Fairfax County Parkway between Reston Metro and Franconia-Springfield Metro
28	332	Roadway	Construct lanes on Reston Parkway	Construct lanes on Reston Parkway from Sunrise Valley Drive to Baron Cameron Ave.

Segment 5-1: Fairfax County Parkway — Rt. 7 to US 50

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
29	340	ITS/ICM	Northern Virginia ITS/ICM Improvements	Implement ITS and integrated corridor management strategies on key regional corridors and parallel facilities in Northern Virginia.
30	341	TDM	Northern Virginia TDM Strategies	Implement and expand TDM initiatives and programs in major employment centers within Northern Virginia
31	347	Roadway	VA-28 Reversible HOV Lanes	Implement reversible HOV lanes on VA-28 between I-66 and the Dulles Toll Road during AM and PM peak periods
32	348	Transit	Reston Express Bus	Implement Express bus service between Reston Town Center and Fairfax Center via Reston Parkway and West Ox Rd

Segment 5-2: Fairfax County Parkway — US 50 to Rolling Road

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
1	38	Roadway	Fairfax County Pkwy HOV Widening (Franconia)	Widen Fairfax County Pkwy by adding HOV lanes from Franconia Springfield Pkwy to I-66
2	40	Roadway	Rolling Rd Widening	Widen Rolling Rd to four lanes between Hunter Village Dr and Old Keene Mill Rd
3	41	Roadway	Fairfax County Pkwy Widening	Widen Fairfax County Pkwy to six lanes from VA 123 to Sydenstricker Rd
4	42	Transit	Fairfax County Pkwy Priority Bus Service	Implement priority bus service on Fairfax County Parkway between Herndon/Monroe Metrorail station and Ft. Belvoir
5	43	Roadway	Route 286 Widening Fairfax County Parkway Widening (VA 123 to US 29)	Widen Fairfax County Parkway from VA 123 (Ox Rd) to US 29 (Lee Highway) from four lanes to six lanes. Construct a grade-separated interchange at the intersection of the Fairfax County Parkway and Popes Head Road, with shared used paths on both sides.
6	44	Roadway	Shirley Gate Road Extension	Extend Shirley Gate Road from Braddock Rd to Fairfax County Parkway
7	45	Transit	Vienna Metro Feeder Bus Service Expansion	Add new routes* and improve service levels on existing routes that serve the Vienna Metrorail station
8	48	Transit	Extend High Capacity Transit to Centreville	Extend High Capacity transit from Metrorail to Centreville Potential modes include LRT, BRT, or improved bus service on corridor between stations. Construction of stations and PNR lots at Centreville, Stringfellow, and Government Center / Fair Oaks, and a station serving the City of Fairfax.
9	49	Transit	US 29 / US 50 Priority Bus	Implement priority bus service along US 29 and US 50 between Fair Oaks and Washington DC.
10	55	Bike/Ped	US 29 trail	Construct a trail along US 29 from Dixie Hill Rd to EFC Metrorail Station
11	61	ITS/ICM	East-West ICM Program: Parallel Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-66 corridor, including the deployment of intelligent signal monitoring/control technology to improve travel on east-west arterial facilities, including US 29, US 50, VA 7, and VA 236.

Segment 5-2: Fairfax County Parkway — US 50 to Rolling Road

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
12	62	ITS/ICM	Connected Vehicle/Traffic Signal Integration Deployment	Traffic signal software integration to support future connected vehicle applications on multiple corridors including: I-66, I-495, US 29, US 50, and VA 7
13	65	Transit	Duke Street Transitway	Construct a four-mile segment of the high-capacity transitway on Duke Street within Alexandria. Reconstruct Duke Street from Wheeler Ave to Jordan St w/ a center left-turn lane. Construct bicycle and pedestrian improvements along corridor. The first phase would create dedicated transit lanes in existing six-lane sections of Duke Street between Landmark Mall and Jordan Street and between Roth Street and Diagonal Road. Between Jordan Street and Roth Street, transit would operate in mixed flow.
14	96	Roadway	Braddock Rd Widening, Ox Road to Fairfax County Pkwy	Widen Braddock Rd to six lanes from Ox Rd to VA 286
15	98	Transit	VA 236 Bus Priority, Alexandria to Fairfax	Implement bus priority service on VA 236 between Alexandria and Fairfax.
16	110	Transit	South County Feeder Bus Service	Improve service levels on bus routes serving Richmond Highway, Kingstowne, and Springfield
17	115	Transit	VRE Fredericksburg and Manassas Line Off-peak Service	Run bi-hourly trains during midday period between peaks on both Manassas and Fredericksburg Lines
18	216	Roadway	Widen US 29, VA 665 to Pickwick Rd	Widen US 29 from 4 to 6 lanes from Waples Mill Rd to Pickwick Road
19	218	Roadway	Widen VA 123, Hooes Rd to Braddock Road	Widen VA 123 Ox Road from 4 to 6 lanes between Hooes Road and Braddock Rd
20	222	Roadway	Widen/upgrade/convert VA 286 Fairfax County Parkway to include HOV lanes	Widen/upgrade/convert VA 286 Fairfax County Parkway to include HOV lanes from VA 267 Dulles Toll Road to I-66.
21	223	Roadway	Construct VA 289 Franconia-Springfield Parkway HOV interchange	Construct VA 289 Franconia-Springfield Parkway HOV interchange at Neuman Street.
22	224	Roadway	Upgrade VA 289 Franconia-Springfield Parkway to include HOV lanes	Upgrade VA 289 Franconia-Springfield Parkway to include HOV lanes from Rolling Road to Backlick Road.

Segment 5-2: Fairfax County Parkway — US 50 to Rolling Road

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
23	301	Transit	VRE Manassas Line Rail Capacity Enhancements	PH. 1: Increase frequencies to 20 min in peak period. In support of this improvement: a. Construct track capacity enhancements (additional track and capacity improvements) from Alexandria/AF to Manasss Line terminus, including existing Broad Run VRE station. b. Purchase additional rolling stock in support of 8-car trains and peak service improvements (TIP reflects purchases for 8-car trains in peak hour, additional needed beyond CLRP commitment). c. Construct/expand VRE equipment storage and maintenance facilities in Manassas and midday storage in Washington, D.C. d. Construct station/platform, parking and access improvements at VRE Manassas Line stations, including expand existing Broad Run VRE station/parking/access. e. Improve information sharing through ITS/TSM enhancements for improved communications. Rail improvements in support of I-81 / US-29 Intercity Passenger Rail (DRPT/AMTRAK)
24	326	Transit	Manassas Line Peak Period Service Expansion	Improve frequencies to 15-min. peak period and new reverse peak period sevice. In support of this improvement: a. Purchase additional rolling stock b. Construct/expand VRE equipment storage and maintenance facilities c. Rail Line capacity improvements d. Station/Parking Access improvements e. ITS/TSM improvements.
25	330	Transit	Fairfax County Express Bus, Reston / Franconia-Springfield	Implement express bus service along VA 286 Fairfax County Parkway between Reston Metro and Franconia-Springfield Metro
26	337	Roadway	Fairfax County Parkway / Shirley Gate Extension Interchange	Construct grade-separated interchange at Fairfax County Parkway and extension of Shirley Gate Dr

Segment 5-2: Fairfax County Parkway — US 50 to Rolling Road

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
27	340	ITS/ICM	Northern Virginia ITS/ICM Improvements	Implement ITS and integrated corridor management strategies on key regional corridors and parallel facilities in Northern Virginia.
28	341	TDM	Northern Virginia TDM Strategies	Implement and expand TDM initiatives and programs in major employment centers within Northern Virginia
29	344	Transit	VRE Express Service - Manassas Line	Implement peak period express service on VRE Manassas Line: - One express train and three local trains per hour during AM and PM peak periods - Stops at Broad Run, Manassas Park, Burke Centre, Alexandria, Crystal City, L'Enfant, and Union Station
30	348	Transit	Reston Express Bus	Implement Express bus service between Reston Town Center and Fairfax Center via Reston Parkway and West Ox Rd
31	350	Transit	US 29 BRT	Implement BRT service on US 29 Lee Highway in a dedicated lane where facility is six lanes.

Segment 5-3: Fairfax County Parkway — Rolling Road to US 1

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
1	38	Roadway	Fairfax County Pkwy HOV Widening (Franconia)	Widen Fairfax County Pkwy by adding HOV lanes from Franconia Springfield Pkwy to I-66
2	39	Roadway	Fairfax County Pkwy/ US 1 Interchange	Construct interchange at Fairfax County Pkwy and US 1
3	40	Roadway	Rolling Rd Widening	Widen Rolling Rd to four lanes between Hunter Village Dr and Old Keene Mill Rd
4	42	Transit	Fairfax County Pkwy Priority Bus Service	Implement priority bus service on Fairfax County Parkway between Herndon/Monroe Metrorail station and Ft. Belvoir
5	45	Transit	Vienna Metro Feeder Bus Service Expansion	Add new routes* and improve service levels on existing routes that serve the Vienna Metrorail station
6	74	Roadway	I-95 / Fairfax County Pkwy Flyover Ramp	Construct a flyover ramp from northbound I-95 to northbound Fairfax County Parkway and make other interchange improvements
7	75	Roadway	US 1 Interchange at Telegraph Road	Construct interchange at US 1 and VA 611 (Telegraph Road)
8	81	Transit	High Capacity Transit Extension to Potomac Mills	Extend high capacity surface transit from Springfield to Potomac Mills. Potential modes include LRT, BRT, or improved bus service on corridor between stations**. Potomac Mills to serve as a park-ride lot.
9	89	Transit	US 1 BRT	Construct along US 1 BRT with stations at Beacon Hill, Hybla Valley, Fort Belvoir, Penn Daw, Pohick Rd, Woodlawn, and South County Government and with transit transfer centers at Kingman Rd and Fort Belvoir. Includes US 1 widening between VA 235 and I-495.
10	90	Transit	Fredericksburg Line Rail Capacity Improvements	Add a third track between AF and the VRE Crossroads Yard south of Fredericksburg.

Segment 5-3: Fairfax County Parkway — Rolling Road to US 1

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
11	91	ITS/ICM	I-95/I-395 ICM Program	I-95/I-395 ICM Program: -Multimodal Traveler Information: Integration of roadway, transit, and parking information. -Dynamic Ramp Metering: Upgrade of existing ramp metering system. -Parallel Arterial Operations Improvements: Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-95 corridor (including US 1 and Telegraph Rd) -Parking Management: Expansion of pilot program to additional PNR lots. -Decision Support System: Software system to support corridor management activities across multiple facilities and modes.
12	105	Transit	Metrobus Priority Corridor Network Plan	PCN Improvements will include improved transit signal priority and exclusive bus lanes, increased frequency and span of service. Improved customer information, expanded fare payment options, enhanced bus stops and facilities. Metrobus service improvements on these routes: CC-PY{9A, E, S, X}; Leesburg Pike{28A, 28X, 28F, G, T}; Little River Tpke/Duke St{29K, N, 29C, E, H}
13	110	Transit	South County Feeder Bus Service	Improve service levels on bus routes serving Richmond Highway, Kingstowne, and Springfield
14	115	Transit	VRE Fredericksburg and Manassas Line Off-peak Service	Run bi-hourly trains during midday period between peaks on both Manassas and Fredericksburg Lines
15	124	Transit	New Bus Garage in Northern Virginia	Construct a new bus garage in Northern Virginia. Location and size to be determined by service improvements in Northern Virginia transit network.
16	199	Transit	New Central/East County to Pentagon/DC OmniRide	Implement new transit route between Central East Prince William County, Pentagon, and downtown DC via the I-95 HOV lanes. Requires 4 additional buses.

Segment 5-3: Fairfax County Parkway — Rolling Road to US 1

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
17	223	Roadway	Construct VA 289 Franconia-Springfield Parkway HOV interchange	Construct VA 289 Franconia-Springfield Parkway HOV interchange at Neuman Street.
18	224	Roadway	Upgrade VA 289 Franconia-Springfield Parkway to include HOV lanes	Upgrade VA 289 Franconia-Springfield Parkway to include HOV lanes from Rolling Road to Backlick Road.
19	283	Roadway	Widen US 1, Occuquan River Bridge to VA 235 North	Widen US 1 to six lanes, Occuquan River Bridge/ Fairfax County Line to Telegraph Rd
20	297	Transit	Increase off-peak transit service on I-95 Corridor	Add bus trips to the existing service: Lake Ridge-DC, Lake Ridge-Pentagon/Crystal City; Dale City/Potomac Mills-Pentagon/Crystal City; Dale City/Potomac-Mills/Rosslyn/Ballston; Montclar/Dumfries-Pentagon/DC; Montclair/Dumfries-Pentagon; Dale City/Potomac Mills-Mark Center
21	324	Transit	Fredericksburg Line Service Expansion	Implement VRE service improvements on the Fredericksburg line to reduce headways to 20 min in peak period. In support of this improvement: a. Purchase additional rolling stock in support of 8-car trains and peak service improvements (TIP reflects purchases for 8-car trains in peak hour, additional needed beyond CLRP commitment). b. Construct/expand VRE equipment storange and maintenance facilities in Fredericksburg and midday storage in Washington, D.C. c. Construct station/platform, parking and access improvements at VRE Fredericksburg Line stations d. Improve information sharing through ITS/TSM enhancements for improved communications.

Segment 5-3: Fairfax County Parkway — Rolling Road to US 1

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
22	325	Transit	Fredericksburg Line Peak Period Service Expansion	Improve frequencies to 15-min. peak period and new reverse peak period sevice. In support of this improvement: a. Purchase additional rolling stock b. Construct/expand VRE equipment storage and maintenance facilities c. Rail Line capacity improvements d. Station/Parking Access improvements e. ITS/TSM improvements.
23	330	Transit	Fairfax County Express Bus, Reston / Franconia-Springfield	Implement express bus service along VA 286 Fairfax County Parkway between Reston Metro and Franconia-Springfield Metro
24	339	ITS/ICM	I-95 ITS/ICM Improvements	Implement intelligent transportation systems, adaptive traffic control, and hard shoulder lanes on I-95
25	340	ITS/ICM	Northern Virginia ITS/ICM Improvements	Implement ITS and integrated corridor management strategies on key regional corridors and parallel facilities in Northern Virginia.
26	341	TDM	Northern Virginia TDM Strategies	Implement and expand TDM initiatives and programs in major employment centers within Northern Virginia
27	343	Transit	VRE Express Service - Fredericksburg Line	Implement peak period express service on VRE Fredericksburg Line: - One express train and three local trains per hour during AM and PM peak periods - Stops at Spotsylvania, Leeland Rd, Woodbridge, Alexandria, Crystal City, L'Enfant, and Union Station

Segment 6-1: I-66/US 29/VRE Manassas — Prince William County Line to Rt. 28

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
1	25	Roadway	VA 28/Prince William Pkwy Interchange	Reconstruct interchange at VA 28 and Prince William Pkwy
2	26	ITS/ICM	VA 234 Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on VA 234.
3	27	Roadway	VA 28 Widening, I-66 to Loudoun	Widen VA 28 to 10 lanes between I-66 and Loudoun County (8 GP + 2 HOV)
4	28	Roadway	VA 28 / New Braddock Rd Interchange	Construct an interchange at VA 28 and New Braddock Road
5	30	Roadway	VA 28 Widening, Conner Dr to Old Centreville Rd	Widen VA 28 to six lanes between Conner Drive and Old Centreville Road
6	31	Roadway	VA 28 Widening, US 29 to Prince William Cty Line	Widen VA 28 to six lanes between Prince William County Line and U.S. 29
7	32	Transit	VA 28 LRT/BRT	Construct LRT / BRT line parallel to VA 28 from Manassas to Dulles Airport
8	33	Bike/Ped	VA 28 Trail	Construct a shared used path on both sides of VA 28 from Prince William County line to Dulles Toll Road
9	34	Roadway	Godwin Dr Widening	Widen Godwin Dr from four to six lanes between Sudley Rd and VA 28
10	36	Roadway	Sudley Road Widening	Widen Sudley Road from four to six lanes from I-66 to Balls Ford Road
11	45	Transit	Vienna Metro Feeder Bus Service Expansion	Add new routes* and improve service levels on existing routes that serve the Vienna Metrorail station
12	48	Transit	Extend High Capacity Transit to Centreville	Extend High Capacity transit from Metrorail to Centreville Potential modes include LRT, BRT, or improved bus service on corridor between stations. Construction of stations and PNR lots at Centreville, Stringfellow, and Government Center / Fair Oaks, and a station serving the City of Fairfax.
13	52	Roadway	Stone Road Overpass over I-66 from Route 29 to Route 28	Construct 4-lane divided road between Stone Road at Route 29 and New Braddock Road, including bridges over I-66 and Big Rocky Run and a shared use path

Segment 6-1: I-66/US 29/VRE Manassas — Prince William County Line to Rt. 28

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
14	61	ITS/ICM	East-West ICM Program: Parallel Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-66 corridor, including the deployment of intelligent signal monitoring/control technology to improve travel on east-west arterial facilities, including US 29, US 50, VA 7, and VA 236.
15	62	ITS/ICM	Connected Vehicle/Traffic Signal Integration Deployment	Traffic signal software integration to support future connected vehicle applications on multiple corridors including: I-66, I-495, US 29, US 50, and VA 7
16	115	Transit	VRE Fredericksburg and Manassas Line Off-peak Service	Run bi-hourly trains during midday period between peaks on both Manassas and Fredericksburg Lines
17	200	Transit	New Manassas to Dulles OmniRide	Implement new transit service from Manassas to Dulles Aiport via Route 28. Requires additional 4 buses.
18	201	Transit	New Gainesville / Haymarket to Dulles OmniRide	Implement new transit service from Gainesville and Haymarket to Dulles Airport via I-66 HOV lanes and Route 28. Requires 2 additional buses.
19	214	Roadway	Add NB lane to US 29	Add NB lane to US 29 from I-66 to the entrance to Conway Robinson Memorial State Forest.
20	220	Roadway	Construct VA 234 Bypass Interchange at Balls Ford Rd	Project will provide a new grade separated interchange proposed at Rt. 234-Prince William Parkway and relocated Rt. 621-Balls Ford Road. In addition a new 4-lane facility with raised median will be constructed between Devlin Road and Doane Road
21	226	Roadway	Construct VA 234 Bypass North, I-66 to US 50	Construct VA 234 Bypass North (Bi-County Parkway) from I-66 to US 50. Close US 29 from Pageland Lane to the bridge over Bull Run and close VA 234 Sudley Road from the southern park boundary to the northern park boundary.
22	230	Roadway	Construct/widen New Braddock Road	Construct/widen New Braddock Road from 0/2 lanes to 4 lanes from VA 28 to US 29 at VA 662 (Stone Road).
23	235	Roadway	Construct University Boulevard	Construct four lanes from Progress Court to Sudley Manor Drive

Segment 6-1: I-66/US 29/VRE Manassas — Prince William County Line to Rt. 28

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
24	238	Roadway	Widen Balls Ford Rd, Wellington Rd to Coppermine Dr	Widen Balls Ford Rd to four lanes from Wellington Rd to Coppermine Dr
25	239	Roadway	Widen Catharpin Rd, Heathcote Blvd to John Marshall Highway	Widen Catharpin Rd to four lanes from Heathcote Blvd to John Marshall Highway
26	240	Roadway	Widen Cushing Rd, Balls Ford Rd to I-66	Widen Cushing Rd to four lanes from Balls Ford Rd. to I-66
27	242	Roadway	Widen Devlin Rd, Wellington Rd to Linton Hall Rd	Widen Devlin Rd to four lanes from Wellington Rd to Linton Hall Rd
28	247	Roadway	Construct Haymarket Bypass, VA 29 to US 15	Construct PWC portion of Haymarket Bypass from Old Carolina Rd to US 15
29	248	Roadway	Widen Hornbaker Rd, Wellington Rd to Nokesville Rd	Widen Hornbaker Rd to four lanes from Wellington Rd to Nokesville Rd
30	249	Roadway	Widen I-66, Prince William County	Widen I-66 to eight lanes between Fauquier CL and Antioch Bridge Rd
31	250	Roadway	Widen US 15, Haymarket TL to US 29	Widen US 15 James Madison Highway to four lanes from Haymarket TL to US 29. Project improvements implemented in conjunction with Railroad Overpass.
32	252	Roadway	Widen John Marshall Hgwy, Thoroughfare Rd to US 29	Widen John Marshall Hwy from two to four lanes between Thoroughfare Rd (excluding Town of Haymarket) and Catharpin Rd and from four to six lanes between Catharpin Rd and Lee Hwy
33	253	Roadway	Widen US 29 Lee Highway, US 15 to Virginia Oaks Dr	Widen US 29 Lee Highway,to six lanes between US 15 and Virginia Oaks Drive
34	255	Roadway	Widen McGraws Corner Dr, Thoroughfare Rd to US 29	Widen McGraws Corner Dr to four lanes between Thoroughfare Rd and US 29
35	258	Roadway	Construct North South Rd, University Blvd to Wellington Rd	Construct four lane North South Rd, University Blvd to Wellington Rd
36	260	Roadway	Widen Old Carolina Rd, Heathcote Blvd to US 29	Widen Old Carolina Rd to four lanes, Heathcote Blvd to US 29
37	261	Roadway	Widen Old Centreville Rd, Fairfax CL to Centreville Rd (VA 28)	Widen Old Centreville Rd to four lanes between Fairfax County line and Centreville Rd (VA 28)
38	263	Roadway	Widen Prince William Pkwy, I-66 to Brentsville Rd	Widen Prince William Pkwy to six lanes, I-66 to Brentsville Rd
39	264	Roadway	Widen Prince William Pkwy, Liberia Ave to Hoadly Rd	Widen Prince William Pkwy to six lanes, Liberia Ave to Hoadly Rd
40	266	Roadway	Complete Rollins Ford Rd, Vint Hill Rd to Wellington Rd	Complete four lane Rollins Ford Rd, Linton Hall Rd to Wellington Rd
41	267	Roadway	Construct Station Rd, University Blvd to Balls Ford Rd	Construct four lane Station Rd, University Blvd to Balls Ford Rd

Segment 6-1: I-66/US 29/VRE Manassas — Prince William County Line to Rt. 28

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
42	268	Roadway	Widen Sudley Rd, US 15 to US 29	Widen Sudley Rd to four lanes, US 15 James Madison Highway to US 29 Lee Highway
43	269	Roadway	Widen Sudley Manor Dr, Prince William Pkwy to Sudley Rd	Widen Sudley Manor Dr to six lanes, Prince William Pkwy to Sudley Rd
44	272	Roadway	Widen Thoroughfare Rd, US 15 to McGraws Corner Dr	Widen Thoroughfare Rd to four lanes, US 15 to McGraws Corner Dr
45	273	Roadway	Godwin Drive Extension	Construct four lane extension of Godwin Drive between Sudley Rd and Route 28 between Bull Run and Compton Rd. Construct grade-separated interchanges at Lomond Dr and Sudley Rd
46	277	Roadway	Widen Wellington Blvd, Prince William Pkwy to Godwin Dr	Widen Wellington Road from 2 to 4 lanes between Godwin Dr. and the Prince William Pkwy. and from 2 to 6 lanes between the Prince William Pkwy. and University Blvd.
47	278	Roadway	Widen Liberia Ave, Prince William Pkwy to Centreville Rd (VA 28)	Widen Liberia Ave to six lanes, Prince William Pkwy to Centreville Rd (VA 28)
48	279	Roadway	Widen VA 28, Liberia Ave to Manassas Park North CL	Widen VA 28 to six lanes, Liberia Ave to Manassas Park North CL
49	285	Roadway	VA 234/ Clover Hill Rd Interchange	Construct a grade-separated interchange at VA 234/Prince William Pkwy and Clover Hill Rd
50	298	Transit	Implement new OmniLink service	Implement new OmniLink routes: Innovation-to-Gainesville/Haymarket; Innovation-to-Manassas; Montclair local

Segment 6-1: I-66/US 29/VRE Manassas — Prince William County Line to Rt. 28

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
51	301	Transit	VRE Manassas Line Rail Capacity Enhancements	Ph. 1: Increase frequencies to 20 min in peak period. In support of this improvement: a. Construct track capacity enhancements (additional track and capacity improvements) from Alexandria/AF to Manasss Line terminus, including existing Broad Run VRE station. b. Purchase additional rolling stock in support of 8-car trains and peak service improvements (TIP reflects purchases for 8-car trains in peak hour, additional needed beyond CLRP commitment). c. Construct/expand VRE equipment storage and maintenance facilities in Manassas and midday storage in Washington, D.C. d. Construct station/platform, parking and access improvements at VRE Manassas Line stations, including expand existing Broad Run VRE station/parking/access. e. Improve information sharing through ITS/TSM enhancements for improved communications. Rail improvements in support of I-81 / US-29 Intercity Passenger Rail (DRPT/AMTRAK)
52	315	Transit	I-66 Corridor Park & Ride Prince William	Construct new park & ride lots along the I-66 corridor in Prince William at *Dominion, ***Innovation, ***James Madison Arrowleaf, ***Linton Hall School, and ***Yorkshire. Expand existing P&R capacity at *Limestone Drive and *Manassas Mall/Sears.
53	326	Transit	Manassas Line Peak Period Service Expansion	Improve frequencies to 15-min. peak period and new reverse peak period sevice. In support of this improvement: a. Purchase additional rolling stock b. Construct/expand VRE equipment storage and maintenance facilities c. Rail Line capacity improvements d. Station/Parking Access improvements e. ITS/TSM improvements.

Segment 6-1: I-66/US 29/VRE Manassas — Prince William County Line to Rt. 28

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
54	328	Roadway	Widen Route 28 from 4 -6 lanes from Conner Drive (Manassas/PWC line) to Bull Run Creek (Fairfax County Line)	Widen Route 28 from 4 -6 lanes from Conner Drive (Manassas/PWC line) to Bull Run Creek (Fairfax County Line).
55	329	Roadway	Route 15 Improvements with Railroad Overpass	Project will widen Route 15 from 2 to 4 lanes and build an overpass over the existing Norfolk Southern Railway (NS) B-Line tracks. The project extends about 1000' north of the tracks and extends approximately 1200' south of the tracks
56	340	ITS/ICM	Northern Virginia ITS/ICM Improvements	Implement ITS and integrated corridor management strategies on key regional corridors and parallel facilities in Northern Virginia.
57	341	TDM	Northern Virginia TDM Strategies	Implement and expand TDM initiatives and programs in major employment centers within Northern Virginia
58	344	Transit	VRE Express Service - Manassas Line	Implement peak period express service on VRE Manassas Line: - One express train and three local trains per hour during AM and PM peak periods - Stops at Broad Run, Manassas Park, Burke Centre, Alexandria, Crystal City, L'Enfant, and Union Station
59	347	Roadway	VA-28 Reversible HOV Lanes	Implement reversible HOV lanes on VA-28 between I-66 and the Dulles Toll Road during AM and PM peak periods
60	351	Roadway	Tri-County Parkway	Construct four-lane Tri-County Parkway facility between Godwin Drive extension and I-66 interchange. Construct four lane facility between I-66 and Manassas Battlefield Parkway / Gum Springs Rd.
61	357	Roadway	Braddock Rd Widening, VA-28 to County Line	Widen Braddock Rd to four lanes between VA-28 and the Fairfax County Line
62	358	Roadway	Euclid Avenue Extension	Extend four lane Euclid Avenue north from Prescott Ave to Route 28 south of Bull Run

Segment 6-2: I-66/US 29/US 50/Orange Silver Line — Rt. 28 to I-495

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
1	27	Roadway	VA 28 Widening, I-66 to Loudoun	Widen VA 28 to 10 lanes between I-66 and Loudoun County (8 GP + 2 HOV)
2	31	Roadway	VA 28 Widening, US 29 to Prince William Cty Line	Widen VA 28 to six lanes between Prince William County Line and U.S. 29
3	32	Transit	VA 28 LRT/BRT	Construct LRT / BRT line parallel to VA 28 from Manassas to Dulles Airport
4	33	Bike/Ped	VA 28 Trail	Construct a shared used path on both sides of VA 28 from Prince William County line to Dulles Toll Road
5	38	Roadway	Fairfax County Pkwy HOV Widening (Franconia)	Widen Fairfax County Pkwy by adding HOV lanes from Franconia Springfield Pkwy to I-66
6	42	Transit	Fairfax County Pkwy Priority Bus Service	Implement priority bus service on Fairfax County Parkway between Herndon/Monroe Metrorail station and Ft. Belvoir
7	43	Roadway	Route 286 Widening Fairfax County Parkway Widening (VA 123 to US 29)	Widen Fairfax County Parkway from VA 123 (Ox Rd) to US 29 (Lee Highway) from four lanes to six lanes. Construct a grade-separated interchange at the intersection of the Fairfax County Parkway and Popes Head Road, with shared used paths on both sides.
8	44	Roadway	Shirley Gate Road Extension	Extend Shirley Gate Road from Braddock Rd to Fairfax County Parkway
9	45	Transit	Vienna Metro Feeder Bus Service Expansion	Add new routes* and improve service levels on existing routes that serve the Vienna Metrorail station
10	46	Roadway	US 50 Widening, City of Fairfax to Arlington County	Widen US 50 inside the Beltway from 4 to 6 lanes from City of Fairfax to Arlington County. The project would include intersection improvements, including signalization improvements, and pedestrian and bike facilities
11	48	Transit	Extend High Capacity Transit to Centreville	Extend High Capacity transit from Metrorail to Centreville Potential modes include LRT, BRT, or improved bus service on corridor between stations. Construction of stations and PNR lots at Centreville, Stringfellow, and Government Center / Fair Oaks, and a station serving the City of Fairfax.

Segment 6-2: I-66/US 29/US 50/Orange Silver Line — Rt. 28 to I-495

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
12	49	Transit	US 29 / US 50 Priority Bus	Implement priority bus service along US 29 and US 50 between Fair Oaks and Washington DC.
13	55	Bike/Ped	US 29 trail	Construct a trail along US 29 from Dixie Hill Rd to EFC Metrorail Station
14	56	Roadway	Widen VA 123, Fairfax to Vienna	Widen VA 123 to six lanes between City of Fairfax and Town of Vienna
15	61	ITS/ICM	East-West ICM Program: Parallel Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-66 corridor, including the deployment of intelligent signal monitoring/control technology to improve travel on east-west arterial facilities, including US 29, US 50, VA 7, and VA 236.
16	62	ITS/ICM	Connected Vehicle/Traffic Signal Integration Deployment	Traffic signal software integration to support future connected vehicle applications on multiple corridors including: I-66, I-495, US 29, US 50, and VA 7
17	63	Transit	Route 50 Express Bus	Improve Route 50 - Orange Line bus connections.
18	65	Transit	Duke Street Transitway	Construct a four-mile segment of the high-capacity transitway on Duke Street within Alexandria. Reconstruct Duke Street from Wheeler Ave to Jordan St w/ a center left-turn lane. Construct bicycle and pedestrian improvements along corridor. The first phase would create dedicated transit lanes in existing six-lane sections of Duke Street between Landmark Mall and Jordan Street and between Roth Street and Diagonal Road. Between Jordan Street and Roth Street, transit would operate in mixed flow.
19	71	Transit	Merrifield-Tysons BRT / LRT	Construct enhanced transit service (BRT/LRT) between Fairfax Hospital in Merrifield to Tysons. Includes 6 lanes (4 GP + 2 Transit) on Gallows Rd.
20	95	Roadway	VA 123 Widening, Braddock Rd to Fairfax	Widen VA 123 to six lanes between City of Fairfax and Braddock Rd
21	96	Roadway	Braddock Rd Widening, Ox Road to Fairfax County Pkwy	Widen Braddock Rd to six lanes from Ox Rd to VA 286

Segment 6-2: I-66/US 29/US 50/Orange Silver Line — Rt. 28 to I-495

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
22	98	Transit	VA 236 Bus Priority, Alexandria to Fairfax	Implement bus priority service on VA 236 between Alexandria and Fairfax.
23	99	Transit	VA 123 Priority Bus Service	Add bus priority service on VA 123 to serve Tysons.
24	100	Transit	Metrorail Fleet Expansion	Expand Metrorail fleet to enable operations of 100 percent eight-car trains during peak period. Expansion, upgrades, and replacements of the rail car fleet, traction power substations, power cabling, third rail, train control systems, and storage facilities.
25	104	Transit	Metro station access and capacity improvements	Construction of station access and capacity improvements at: Rosslyn, Pentagon, Vienna, Foggy Bottom, Farragut West, McPherson Square, Metro Center, L'Enfant Plaza, and Union Station. Also includes station area lighting and customer amenities.
26	105	Transit	Metrobus Priority Corridor Network Plan	PCN Improvements will include improved transit signal priority and exclusive bus lanes, increased frequency and span of service. Improved customer information, expanded fare payment options, enhanced bus stops and facilities. Metrobus service improvements on these routes: CC-PY{9A, E, S, X}; Leesburg Pike{28A, 28X, 28F, G, T}; Little River Tpke/Duke St{29K, N, 29C, E, H}
27	108	Transit	Metrorail Real-Time Parking Info	Deployment of real-time parking information signage at WMATA rail stations
28	126	Transit	I-66 / Orange Line Bus Facility Improvements	Expand and improve bus bays, passenger facilities, and bus circulation and access paths at all Orange Line stations and bus centers in the I-66 corridor.
29	134	Roadway	Fairfax Boulevard Multimodal Improvements	Implement multimodal improvements and improve local connections along Fairfax Boulevard. Enhance transit, ped-bike and roadway facilities and infrastructure.

Segment 6-2: I-66/US 29/US 50/Orange Silver Line — Rt. 28 to I-495

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
30	135	Roadway	Jermantown Rd Multimodal Improvements	Implement multimodal improvements and improve local connections along Jermantown Rd.Enhance transit, ped-bike and roadway facilities and infrastructure. Includes widening of Jermantown Road to four lanes south of the I-66 bridge as well as extension of Government Center Parkway. May include participation with Fairfax County on widening of bridge over I-66.
31	136	Roadway	VA 123 Multimodal Improvements	Implement multimodal improvements, improve intersections and local connections, and improve transit service along VA 123. Enhance transit, ped-bike and roadway facilities and infrastructure.
32	137	Roadway	Old Lee Highway Multimodal Improvements	Implement multimodal improvements along Old Lee Highway. Enhance transit, ped-bike and roadway facilities and infrastructure.
33	138	Bike/Ped	Fairfax Citywide Bike-Ped Access	Improve on- and off-road bike and pedestrian facilities, routes, and infrastructure along and adjacent to City of Fairfax corridors to provide better access to Metrorail and regional trails. Expand bikeshare, bike storage, and signage. Includes the extension of the George Snyder Trail.
34	139	Roadway	Northfax Network Improvements	Improved connections and circulation for all modes in the Northfax node. Improvements to and along Fairfax Boulevard in the vicinity of the Northfax intersection including ped-bike safety, local access, upgraded infrastructure and new routes. Improve vehicular circulation, access and movements in proximity to the Northfax intersection (Routes 29/50/123). Includes extension of University Drive.
35	140	Roadway	Fairfax Circle Improvements	Intersection Improvements at Fairfax Circle to improve vehicular and ped-bike mobility and safety.

Segment 6-2: I-66/US 29/US 50/Orange Silver Line — Rt. 28 to I-495

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
36	141	Roadway	Northfax Intersection Improvements	Geometric improvements to intersection including extension of a 3rd northbound lane on Route 123 from Route 29/50 to Eaton Place, the addition of a dual left turn from southbound Route 123 to eastbound Route 29/50, the correction of substandard existing lane shifts within the project limits, the extension of turn lanes, and access management improvements where feasible. Also includes a new drainage sustem, including a major culvert.
37	142	Transit	Transit Enhancements, City of Fairfax	Upgrade and construct transit stops and shelters on CUE routes with improved facilities, design, technology, and/or ped-bike access. Expand transit service and purchase additional buses.
38	198	Transit	Vienna Metro Access Improvements	Improve access to Metro and encourage mass transit use by completing all sidewalks within 1/2 mile of Vienna and Tysons Metrorail stations. Also, provide a trolley or circulator bus along Maple Ave (VA 123) to connect with Vienna Metro station and Metro Silver Line in Tysons. A parking garage would be provided along the route. Includes "Walk to Metro" and "Commercial Transit, Metro Access, and Parking" projects.
39	200	Transit	New Manassas to Dulles OmniRide	Implement new transit service from Manassas to Dulles Aiport via Route 28. Requires additional 4 buses.
40	201	Transit	New Gainesville / Haymarket to Dulles OmniRide	Implement new transit service from Gainesville and Haymarket to Dulles Airport via I-66 HOV lanes and Route 28. Requires 2 additional buses.
41	210	Roadway	Widen auxiliary lanes along I-495	Widen auxiliary lanes along various segments of I-495 from north of Hemming Ave Underpass to Georgetown Pike. Reconstruct the I-495 auxiliary lane from VA 7 to I-66
42	215	Roadway	Widen US 29, City of Fairfax to I-495	Widen US 29 from 4 to 6 lanes from Fairfax ECL to I-495.
43	216	Roadway	Widen US 29, VA 665 to Pickwick Rd	Widen US 29 from 4 to 6 lanes from Waples Mill Rd to Pickwick Road

Segment 6-2: I-66/US 29/US 50/Orange Silver Line — Rt. 28 to I-495

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
44	222	Roadway	Widen/upgrade/convert VA 286 Fairfax County Parkway to include HOV lanes	Widen/upgrade/convert VA 286 Fairfax County Parkway to include HOV lanes from VA 267 Dulles Toll Road to I-66.
45	290	Transit	Dunn Loring to Ballston priority bus	Through enhancement of Metrobus 2A service, provide frequent service on Lee Highway and Washington Blvd from Dunn Loring Metro in Fairfax County through the City of Falls Church, East Falls Church Metro and Washington Blvd to Ballston Metro.
46	330	Transit	Fairfax County Express Bus, Reston / Franconia-Springfield	Implement express bus service along VA 286 Fairfax County Parkway between Reston Metro and Franconia-Springfield Metro
47	331	Transit	Tysons Express Bus	Implement express bus service between Tysons and Huntington Metro, and Tysons and Franconia-Springfield Metro.
48	340	ITS/ICM	Northern Virginia ITS/ICM Improvements	Implement ITS and integrated corridor management strategies on key regional corridors and parallel facilities in Northern Virginia.
49	341	TDM	Northern Virginia TDM Strategies	Implement and expand TDM initiatives and programs in major employment centers within Northern Virginia
50	347	Roadway	VA-28 Reversible HOV Lanes	Implement reversible HOV lanes on VA-28 between I-66 and the Dulles Toll Road during AM and PM peak periods
51	348	Transit	Reston Express Bus	Implement Express bus service between Reston Town Center and Fairfax Center via Reston Parkway and West Ox Rd
52	350	Transit	US 29 BRT	Implement BRT service on US 29 Lee Highway in a dedicated lane where facility is six lanes.
53	355	Roadway	I-495 / I-395 Lane Restrictions	Implement lane restrictions for commercial trucks on I-495 and I-395
54	357	Roadway	Braddock Rd Widening, VA-28 to County Line	Widen Braddock Rd to four lanes between VA-28 and the Fairfax County Line

Segment 6-3: I-66/US 29/US 50/Orange Silver Line — I-495 to Potomac River

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
1	1	Transit	VA 7 Transit: Tysons - Mark Center	Construct Bus Rapid Transit line along VA 7 between Tysons and Mark Center with a connection to East Falls Church Metrorail Station
2	2	Roadway	VA 7 Widening, VA 123 to I-495	Widen VA 7 from six to eight lanes from VA 123 (Chain Bridge Rd) to I-495 (Capital Beltway)
3	3	Roadway	VA 7 Widening, I-495 to I-66	Widen VA 7 from four to six lanes from I-495 to I-66
4	4	Roadway	VA 7 Widening, Seven Corners to Bailey's Crossroads	Widen VA 7 from four to six lanes between Seven Corners and Bailey's Crossroads
5	9	Transit	Tysons Circulator	Implement Tysons Circulator System
6	12	Bike/Ped	Leesburg-Alexandria VA 7 Trail	Construct trail along VA 7 from Leesburg to Alexandria
7	19	Roadway	Seven Corners Ring Road Improvements	Construct ring road and improve interchange at Seven Corners to reduce congestion on Route 7, improve access between Seven Corners / Falls Church / Bailey's Crossroads, and facilitate redevelopment of the area. Improve safety, navigation of vehicles and cyclists/pedestrians in and throughout the area.
8	22	Bike/Ped	Bike Lanes Route 7 - Alexandria to Seven Corners	Construct protected bike lanes on both sides of VA 7 between Alexandria and Seven Corner. Connect with City of Falls Church's bicycle network.
9	45	Transit	Vienna Metro Feeder Bus Service Expansion	Add new routes* and improve service levels on existing routes that serve the Vienna Metrorail station
10	46	Roadway	US 50 Widening, City of Fairfax to Arlington County	Widen US 50 inside the Beltway from 4 to 6 lanes from City of Fairfax to Arlington County. The project would include intersection improvements, including signalization improvements, and pedestrian and bike facilities
11	47	Roadway	Clarendon Circle Multimodal Improvements	Construct multimodal improvements at the intersection of Wilson Blvd, Washington Blvd, and Clarendon Blvd. Widen Washington Blvd from 3 to 4 lanes from Wilson to Kirkwood

Segment 6-3: I-66/US 29/US 50/Orange Silver Line — I-495 to Potomac River

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
12	49	Transit	US 29 / US 50 Priority Bus	Implement priority bus service along US 29 and US 50 between Fair Oaks and Washington DC.
13	50	Transit	East Falls Church Metrorail Station Second Entrance	Planning, design, and construction of a full second entrance to EFC station, including new bus bays, a western mezzanine, and bicycle and pedestrian connections
14	51	Transit	Ballston-MU Additional Entrance	Construct new entrance and pedestrian access on the western side of the Ballston Metrorail station. Project includes expanded bus bays and passenger facilities.
15	53	Transit	Courthouse Metrorail station access	Improve vertical access to Courthouse Metrorail station
16	54	Roadway	Falls Church Multimodal Improvements	Multimodal Improvements in the City's state-recognized revitlization areas (1) West Broad Street, (2) Washington Street Corridor, and (3) East End. These areas are all included in the COG-recognized Falls Church activity center. Improvements will include improved intersection geometry and signalization, improved pedestrian connectivity and accessiblitiy, improved transit stops, and improved bicycle access
17	55	Bike/Ped	US 29 trail	Construct a trail along US 29 from Dixie Hill Rd to EFC Metrorail Station
18	57	Transit	Ballston Multimodal Improvements	Construct improvements to bus shelters, bus bays, sidewalks, landscaping, and bicycle parking
19	58	Transit	East Falls Church Metrorail Station Multimodal Improvements	Construct Multimodal improvements, including new/restructured bus bays at the current station, bicycle and pedestrian connections, improve access and signalization on N Sycamore Street and Washington Blvd., and install Bikeshare stations. Improvements per the EFC Vision Plan
20	59	Transit	Lee Highway bus improvements	Improved local ART bus service on US 29 between Rosslyn and EFC.

Segment 6-3: I-66/US 29/US 50/Orange Silver Line — I-495 to Potomac River

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
21	60	Bike/Ped	Arlington Regional Trail Network	Provide dedicated bike facilities, bikesharing and key sidewalk improvements on north-south corridors in Arlington to connect major east-west corridors with each other. Example corridors includes Carlin Springs Road, Walter Reed Drive/Fillmore Street, Harrison St, Washington Blvd, Rt 110, and others. Network also includes: -Trail parallel to Washington Blvd between Arlington Blvd and Columbia Pike -Rehab of Custis Trail to current VDOT shared used path design and construction specifications in Rosslyn -Extension of Custis Trail north of I-66 betwen Kennebec and Quantico -Long Bridge Park Esplanade extension to Mt Vernon Trail -Arlington Blvd trail -Theodore Roosevelt Bridge connection to Mt Vernon Trail and Marine Corps War Memorial -Dedicated cycling facility along the Route 50 service road (south side), between N. Rhodes St. and N. Meade St. -Expansion of Arlington bicycle commuter routes: Bluemont Junction Trail, Custis
22	61	ITS/ICM	East-West ICM Program: Parallel Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-66 corridor, including the deployment of intelligent signal monitoring/control technology to improve travel on east-west arterial facilities, including US 29, US 50, VA 7, and VA 236.
23	62	ITS/ICM	Connected Vehicle/Traffic Signal Integration Deployment	Traffic signal software integration to support future connected vehicle applications on multiple corridors including: I-66, I-495, US 29, US 50, and VA 7
24	63	Transit	Route 50 Express Bus	Improve Route 50 - Orange Line bus connections.

Segment 6-3: I-66/US 29/US 50/Orange Silver Line — I-495 to Potomac River

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
25	71	Transit	Merrifield-Tysons BRT / LRT	Construct enhanced transit service (BRT/LRT) between Fairfax Hospital in Merrifield to Tysons. Includes 6 lanes (4 GP + 2 Transit) on Gallows Rd.
26	79	Transit	West End Transitway	Construct a four-mile segment of the dedicated bus lanes between the Van Dorn Metro station and Arlington County. This project will also provide pedestrian and bike facilities in the corridor
27	91	ITS/ICM	I-95/I-395 ICM Program	I-95/I-395 ICM Program: -Multimodal Traveler Information: Integration of roadway, transit, and parking information. -Dynamic Ramp Metering: Upgrade of existing ramp metering system. -Parallel Arterial Operations Improvements: Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-95 corridor (including US 1 and Telegraph Rd) -Parking Management: Expansion of pilot program to additional PNR lots. -Decision Support System: Software system to support corridor management activities across multiple facilities and modes.
28	97	Transit	Columbia Pike Priority Transit Network (PrTN)	Provide priority transit service from Skyline to Crystal City via Pentagon City, including limited-stop bus service, improved headways, and 24 transit stations.
29	100	Transit	Metrorail Fleet Expansion	Expand Metrorail fleet to enable operations of 100 percent eight-car trains during peak period. Expansion, upgrades, and replacements of the rail car fleet, traction power substations, power cabling, third rail, train control systems, and storage facilities.

Segment 6-3: I-66/US 29/US 50/Orange Silver Line — I-495 to Potomac River

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
30	101	Bike/Ped	Columbia Pike Corridor urban bike/ped network	Improve bicycle and pedestrian infrastructure in and around the Columbia Pike corridor, including bikeways, bikesharing, and key sidewalk improvements, to convert SOV trips to, within, and between activity center areas from car to bike/pedestrian. Includes parallel bike routes along 9th St, 11th St, and 12th in the vicinity of Columbia Pike.
31	102	Bike/Ped	Arlington TDM Package	Improve and expand the commuter assistance and other programs provided by Arlington County Commuter Services. Includes new commuter stores and next generation IT services, implementation of transportation system management and communication upgrade throughout the County, and improvements to traveler information via creation or expansion of informational, wayfinding, alert, or real-time signs providing information on multimodal transportation options. Develop a system of coordinated mobility hubs along major corridors to fully integrate transit, bikesharing, carsharing, ridesharing, pedestrians, bicycling, ride hailing and other shared use services. Develop, coordinate, implement, and/or expand shared-ride and ride-hailing services for first mile/last mile connections to transit and mobility hubs as well as to activity centers, parking, and pick-up hotspots. Includes support for autonomous vehicles, casual carpooling, on-demand services

Segment 6-3: I-66/US 29/US 50/Orange Silver Line — I-495 to Potomac River

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
32	103	ITS/ICM	Arlington ITS Projects	Implement intelligent transportation systems and adaptive traffic control system on regional corridors within Arlington County, including: - Enhancement of Traffic System and Technology to a Smart Traffic Signal system; - Installation of Intelligent Transportation System (ITS) and corresponding Adapative Traffic Control System program on US 29 Lee Highway to better manage traffic flow. Includes additional Bluetooth devices, count stations, CCTV cameras, and FLIR detectors and upgraded signals for better-timed connection with I-66; - Reconstruction of traffic signals to meet current standards, including upgrade from span wire to mast arm
33	104	Transit	Metro station access and capacity improvements	Construction of station access and capacity improvements at: Rosslyn, Pentagon, Vienna, Foggy Bottom, Farragut West, McPherson Square, Metro Center, L'Enfant Plaza, and Union Station. Also includes station area lighting and customer amenities.
34	105	Transit	Metrobus Priority Corridor Network Plan	PCN Improvements will include improved transit signal priority and exclusive bus lanes, increased frequency and span of service. Improved customer information, expanded fare payment options, enhanced bus stops and facilities. Metrobus service improvements on these routes: CC-PY{9A, E, S, X}; Leesburg Pike{28A, 28X, 28F, G, T}; Little River Tpke/Duke St{29K, N, 29C, E, H}
35	106	Transit	Metrorail Blue Line Core Realignment	Create a new alignment for Blue Line from Northern Virginia into the District of Columbia. Add a second Rosslyn station with an underground passageway to Orange and Silver line station.
36	107	Transit	Expansion of Metrobus and Fairfax Connector Bus Services	Increase bus frequency and service during off-peak periods and weekends; add new routes.

Segment 6-3: I-66/US 29/US 50/Orange Silver Line — I-495 to Potomac River

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
37	108	Transit	Metrorail Real-Time Parking Info	Deployment of real-time parking information signage at WMATA rail stations
38	111	Bike/Ped	Rosslyn-Ballston Corridor Urban Ped/Bike Network	Improve bicycle and pedestrian infrastructure in and around the Rosslyn-Ballston Corridor, including bikeways, bikesharing, and key sidewalk improvements, to convert SOV trips to, within, and between Metro station areas from car to bike/pedestrian, and to enable access to/from Metro stations to high-density housing and job centers. Includes a designated bicycle lane along N. Lynn St. and along Fort Myer Drive between Lee Highway at Rosslyn Circle and Fairfax Drive south of Arlington Blvd.
39	114	Transit	Metrorail Pocket Track Improvements	Construct new OR/SV junction infrastructure and pocket track at East Falls Church or West Falls Church. Improve or add pocket tracks to provide flexibility for short-lining, maintenance and crossovers.
40	118	Bike/Ped	East Falls Church Bikeshare Connections	Install up to 24 bike-share stations along Route 29, Route 7, Sycamore St, Roosevelt St, and W&OD Trail in Falls Church.
41	122	Transit	ART Service Restructuring and Expansion	Purchase of buses in support of Arlington Transit (ART) service restructuring and expansion. Includes implementation of priority bus service on Glebe Road between Marymount University and Potomac Yard Metro via Ballston.
42	125	Transit	Rosslyn Station Bus Transit Center	Expand capacity at existing Rosslyn Transit Center
43	127	Transit	Blue and Yellow Line Bus Facility Improvements	Expand and improve bus bays, passenger facilities, and bus circulation and access paths at all Yellow and Blue Line stations and transit centers in the I-395/ US-1 corridor
44	132	Transit	Enhanced Bus Service - Falls Church	Enhance bus service along US 29 and VA 7 in the City of Falls Church: including all day service, 15 minute frequency, and bus shelters with real-time information

Segment 6-3: I-66/US 29/US 50/Orange Silver Line — I-495 to Potomac River

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
45	133	Bike/Ped	Enhance regional bike routes (W& OD) - Falls Church	Enhance regional bike routes (W& OD): including separate trails for walking and biking, updated crossings to increase safety, and lighting to keep trail open all year
46	199	Transit	New Central/East County to Pentagon/DC OmniRide	Implement new transit route between Central East Prince William County, Pentagon, and downtown DC via the I-95 HOV lanes. Requires 4 additional buses.
47	203	Roadway	I-66 Spot Improvements - Spot 3	Construct an auxiliary lane connecting on-ramp from Lee Highway to off-ramp on N Glebe Rd on westbound I-66
48	210	Roadway	Widen auxiliary lanes along I-495	Widen auxiliary lanes along various segments of I-495 from north of Hemming Ave Underpass to Georgetown Pike. Reconstruct the I-495 auxiliary lane from VA 7 to I-66
49	212	Roadway	Widen Dulles Airport Access Road	Widen Dulles Airport Access Road from Dulles Airport to VA 123
50	215	Roadway	Widen US 29, City of Fairfax to I-495	Widen US 29 from 4 to 6 lanes from Fairfax ECL to I-495.
51	232	Roadway	Widen Magarity Road	Widen Magarity Road from 2 to 4 lanes from VA 7 to Great Falls Street.
52	290	Transit	Dunn Loring to Ballston priority bus	Through enhancement of Metrobus 2A service, provide frequent service on Lee Highway and Washington Blvd from Dunn Loring Metro in Fairfax County through the City of Falls Church, East Falls Church Metro and Washington Blvd to Ballston Metro.
53	291	Transit	Arlington mobility hubs	Develop a system of coordinated mobility hubs along major corridors to fully integrate transit, bikesharing, carsharing, ridesharing, pedestrians, bicycling, ride hailing and other shared use services;
54	292	Transit	Off-vehicle fare collection	Develop a system of off board fare collections for ART and WMATA buses.

Segment 6-3: I-66/US 29/US 50/Orange Silver Line — I-495 to Potomac River

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
55	294	Bike/Ped	Lee Highway Multimodal Improvements	The project expands the multi-modal transportation capacity and safety in the Lee Highway corridor, providing viable options to move more people without increasing the volume of single-occupant vehicles. Includes addition of bicycle facilities along US 29 corridor and reconstruction of US 29 from North Quincy St to North Kenmore St.
56	295	Roadway	Roosevelt Bridge HOT lanes	DC project to implement HOT on Roosevelt Bridge
57	297	Transit	Increase off-peak transit service on I-95 Corridor	Add bus trips to the existing service: Lake Ridge-DC, Lake Ridge-Pentagon/Crystal City; Dale City/Potomac Mills-Pentagon/Crystal City; Dale City/Potomac-Mills/Rosslyn/Ballston; Montclar/Dumfries-Pentagon/DC; Montclair/Dumfries-Pentagon; Dale City/Potomac Mills-Mark Center
58	331	Transit	Tysons Express Bus	Implement express bus service between Tysons and Huntington Metro, and Tysons and Franconia-Springfield Metro.
59	333	Transit	East Falls Church Metro to Seven Corners Transit Boulevard	Transit and ped/bike connections along Sycamore and Roosevelt with a bridge overpass connecting to planned redevelopment in Seven Corners (shown in Fairfax County comp plan, page 113)
60	334	Transit	Falls Church Metro Station Access	Multimodal Access Improvements for the East Falls Church and West Falls Church Metro stations including pedestrian access, bicycle access and bike-share stations, and bus access.
61	335	Bike/Ped	Regional Bike Connections - Falls Church	On-street bike facilities to connect the City's bicycle network to the W&OD, Arlington County's network and Fairfax County's network as called for in the City's Bicycle Master Plan
62	340	ITS/ICM	Northern Virginia ITS/ICM Improvements	Implement ITS and integrated corridor management strategies on key regional corridors and parallel facilities in Northern Virginia.

Segment 6-3: I-66/US 29/US 50/Orange Silver Line — I-495 to Potomac River

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
63	341	TDM	Northern Virginia TDM Strategies	Implement and expand TDM initiatives and programs in major employment centers within Northern Virginia
64	349	Transit	Rosslyn-Ballston Corridor Priority Bus	Implement priority bus service on Fairfax Drive and Wilson Blvd between Ballston and Rosslyn.
65	350	Transit	US 29 BRT	Implement BRT service on US 29 Lee Highway in a dedicated lane where facility is six lanes.
66	352	Transit	ART Service Improvements	Increase ART service on crowded corridors in Arlington County, supported by capacity increases at Heavy Maintenance / Bus Parking facilities
67	355	Roadway	I-495 / I-395 Lane Restrictions	Implement lane restrictions for commercial trucks on I-495 and I-395

Segment 7-1: I-495 — American Legion Bridge to I-66

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
1	1	Transit	VA 7 Transit: Tysons - Mark Center	Construct Bus Rapid Transit line along VA 7 between Tysons and Mark Center with a connection to East Falls Church Metrorail Station
2	2	Roadway	VA 7 Widening, VA 123 to I-495	Widen VA 7 from six to eight lanes from VA 123 (Chain Bridge Rd) to I-495 (Capital Beltway)
3	3	Roadway	VA 7 Widening, I-495 to I-66	Widen VA 7 from four to six lanes from I-495 to I-66
4	9	Transit	Tysons Circulator	Implement Tysons Circulator System
5	12	Bike/Ped	Leesburg-Alexandria VA 7 Trail	Construct trail along VA 7 from Leesburg to Alexandria
6	15	Roadway	VA 123 Widening, VA 7 to Old Courthouse Rd	Widen VA 123 to six lanes from VA 7 to Old Courthouse Rd
7	45	Transit	Vienna Metro Feeder Bus Service Expansion	Add new routes* and improve service levels on existing routes that serve the Vienna Metrorail station
8	49	Transit	US 29 / US 50 Priority Bus	Implement priority bus service along US 29 and US 50 between Fair Oaks and Washington DC.
9	54	Roadway	Falls Church Multimodal Improvements	Multimodal Improvements in the City's state-recognized revitlization areas (1) West Broad Street, (2) Washington Street Corridor, and (3) East End. These areas are all included in the COG-recognized Falls Church activity center. Improvements will include improved intersection geometry and signalization, improved pedestrian connectivity and accessiblitiy, improved transit stops, and improved bicycle access
10	55	Bike/Ped	US 29 trail	Construct a trail along US 29 from Dixie Hill Rd to EFC Metrorail Station
11	61	ITS/ICM	East-West ICM Program: Parallel Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-66 corridor, including the deployment of intelligent signal monitoring/control technology to improve travel on east-west arterial facilities, including US 29, US 50, VA 7, and VA 236.

Segment 7-1: I-495 — American Legion Bridge to I-66

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
12	62	ITS/ICM	Connected Vehicle/Traffic Signal Integration Deployment	Traffic signal software integration to support future connected vehicle applications on multiple corridors including: I-66, I-495, US 29, US 50, and VA 7
13	63	Transit	Route 50 Express Bus	Improve Route 50 - Orange Line bus connections.
14	67	Transit	American Legion Bridge High Capacity Transit	Contruct high capacity surface transit (express bus service) from Fairfax County to Montgomery County via the American Legion Bridge and Tysons Corner.
15	69	Roadway	I-495 HOT Lanes	Implement HOT lanes on I-495 between American Legion Bridge and VA-267
16	71	Transit	Merrifield-Tysons BRT / LRT	Construct enhanced transit service (BRT/LRT) between Fairfax Hospital in Merrifield to Tysons. Includes 6 lanes (4 GP + 2 Transit) on Gallows Rd.
17	97	Transit	Columbia Pike Priority Transit Network (PrTN)	Provide priority transit service from Skyline to Crystal City via Pentagon City, including limited-stop bus service, improved headways, and 24 transit stations.
18	99	Transit	VA 123 Priority Bus Service	Add bus priority service on VA 123 to serve Tysons.
19	100	Transit	Metrorail Fleet Expansion	Expand Metrorail fleet to enable operations of 100 percent eight-car trains during peak period. Expansion, upgrades, and replacements of the rail car fleet, traction power substations, power cabling, third rail, train control systems, and storage facilities.
20	105	Transit	Metrobus Priority Corridor Network Plan	PCN Improvements will include improved transit signal priority and exclusive bus lanes, increased frequency and span of service. Improved customer information, expanded fare payment options, enhanced bus stops and facilities. Metrobus service improvements on these routes: CC-PY{9A, E, S, X}; Leesburg Pike{28A, 28X, 28F, G, T}; Little River Tpke/Duke St{29K, N, 29C, E, H}

Segment 7-1: I-495 — American Legion Bridge to I-66

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
21	107	Transit	Expansion of Metrobus and Fairfax Connector Bus Services	Increase bus frequency and service during off-peak periods and weekends; add new routes.
22	108	Transit	Metrorail Real-Time Parking Info	Deployment of real-time parking information signage at WMATA rail stations
23	132	Transit	Enhanced Bus Service - Falls Church	Enhance bus service along US 29 and VA 7 in the City of Falls Church: including all day service, 15 minute frequency, and bus shelters with real-time information
24	133	Bike/Ped	Enhance regional bike routes (W& OD) - Falls Church	Enhance regional bike routes (W& OD): including separate trails for walking and biking, updated crossings to increase safety, and lighting to keep trail open all year
25	198	Transit	Vienna Metro Access Improvements	Improve access to Metro and encourage mass transit use by completing all sidewalks within 1/2 mile of Vienna and Tysons Metrorail stations. Also, provide a trolley or circulator bus along Maple Ave (VA 123) to connect with Vienna Metro station and Metro Silver Line in Tysons. A parking garage would be provided along the route. Includes "Walk to Metro" and "Commercial Transit, Metro Access, and Parking" projects.
26	204	Roadway	Greensboro Drive Extension	Extend Greensboro Drive from Spring Hill Road to Tyco Road
27	205	Roadway	I-495 Overpass Tysons Corner	Construct I-495 overpass at Tysons Corner Center
28	206	Roadway	Cleveland Ramps	Reconstruct VA 267 / VA 123 interchange to provide connections to a new street grid
29	207	Roadway	VA 123 / Lewinsville Rd / Great Falls St Underpass	Construct a grade-separated underpass at the intersection ofVA 123 / Lewinsville Rd / Great Falls St
30	208	Roadway	VA 123 / VA 7 Interchange	Reconstruct interchange between Route 7 and Route 123 in Tysons.
31	209	Roadway	VA 123 Modified intersection/displaced left turns	Modify intersections and construct displaced left turns on VA 123 between International Drive to Dulles Toll Road

Segment 7-1: I-495 — American Legion Bridge to I-66

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
32	210	Roadway	Widen auxiliary lanes along I-495	Widen auxiliary lanes along various segments of I-495 from north of Hemming Ave Underpass to Georgetown Pike. Reconstruct the I-495 auxiliary lane from VA 7 to I-66
33	211	Roadway	Reconstruct I-495 / VA-267 Interchange	Relocate I-495/VA 267 Interchange Flyover Ramp: Eastbound Dulles Airport Access Highway to northbound general purpose. Provide SB HOT to EB HOV & EB Dulles Toll Road to NB HOT movements. Widen EB Dulles Toll Road ramp to 2 NB lanes Construct I-495/VA 267 Interchange ramp from SB I-495 to WB Dulles Airport Access Highway.
34	212	Roadway	Widen Dulles Airport Access Road	Widen Dulles Airport Access Road from Dulles Airport to VA 123
35	219	Roadway	Widen VA 123 Chain Bridge Road, VA 7 to I-495	Widen VA 123 Chain Bridge Road from 6 to 8 lanes from VA 7 Leesburg Pike to I-495.
36	225	Roadway	Construct Collector-Distributor Road (EB/WB) that parallels Dulles Toll Rd	Construct Collector-Distributor Road (EB/WB) that parallels Dulles Toll Rd from Wiehle Ave to Spring Hill Road.
37	231	Roadway	Boone Boulevard Extension	Construct Boone Boulevard Extension (4 lanes) from VA 123 Chain Bridge Road to Ashgrove Lane.
38	232	Roadway	Widen Magarity Road	Widen Magarity Road from 2 to 4 lanes from VA 7 to Great Falls Street.
39	290	Transit	Dunn Loring to Ballston priority bus	Through enhancement of Metrobus 2A service, provide frequent service on Lee Highway and Washington Blvd from Dunn Loring Metro in Fairfax County through the City of Falls Church, East Falls Church Metro and Washington Blvd to Ballston Metro.
40	331	Transit	Tysons Express Bus	Implement express bus service between Tysons and Huntington Metro, and Tysons and Franconia-Springfield Metro.
41	338	Roadway	I-495 HOT Lanes - American Legion Bridge	Extend I-495 Capital Beltway HOT lanes over American Legion Bridge until I-270 spur in Maryland

Segment 7-1: I-495 — American Legion Bridge to I-66

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
42	340	ITS/ICM	Northern Virginia ITS/ICM Improvements	Implement ITS and integrated corridor management strategies on key regional corridors and parallel facilities in Northern Virginia.
43	341	TDM	Northern Virginia TDM Strategies	Implement and expand TDM initiatives and programs in major employment centers within Northern Virginia
44	350	Transit	US 29 BRT	Implement BRT service on US 29 Lee Highway in a dedicated lane where facility is six lanes.
45	355	Roadway	I-495 / I-395 Lane Restrictions	Implement lane restrictions for commercial trucks on I-495 and I-395

Segment 7-2: I-495 — I-66 to I-395

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
1	45	Transit	Vienna Metro Feeder Bus Service Expansion	Add new routes* and improve service levels on existing routes that serve the Vienna Metrorail station
2	46	Roadway	US 50 Widening, City of Fairfax to Arlington County	Widen US 50 inside the Beltway from 4 to 6 lanes from City of Fairfax to Arlington County. The project would include intersection improvements, including signalization improvements, and pedestrian and bike facilities
3	49	Transit	US 29 / US 50 Priority Bus	Implement priority bus service along US 29 and US 50 between Fair Oaks and Washington DC.
4	55	Bike/Ped	US 29 trail	Construct a trail along US 29 from Dixie Hill Rd to EFC Metrorail Station
5	61	ITS/ICM	East-West ICM Program: Parallel Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-66 corridor, including the deployment of intelligent signal monitoring/control technology to improve travel on east-west arterial facilities, including US 29, US 50, VA 7, and VA 236.
6	62	ITS/ICM	Connected Vehicle/Traffic Signal Integration Deployment	Traffic signal software integration to support future connected vehicle applications on multiple corridors including: I-66, I-495, US 29, US 50, and VA 7
7	63	Transit	Route 50 Express Bus	Improve Route 50 - Orange Line bus connections.
8	65	Transit	Duke Street Transitway	Construct a four-mile segment of the high-capacity transitway on Duke Street within Alexandria. Reconstruct Duke Street from Wheeler Ave to Jordan St w/ a center left-turn lane. Construct bicycle and pedestrian improvements along corridor. The first phase would create dedicated transit lanes in existing six-lane sections of Duke Street between Landmark Mall and Jordan Street and between Roth Street and Diagonal Road. Between Jordan Street and Roth Street, transit would operate in mixed flow.

Segment 7-2: I-495 — I-66 to I-395

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
9	68	Roadway	Little River Turnpike Widening	Widen Little River Turnpike (VA 236) from 4 to 6 lanes between City of Fairfax and I-395
10	70	Roadway	I-495 HOV Lanes	Implement HOV lanes on I-495 between I-395 and the Woodrow Wilson Bridge
11	71	Transit	Merrifield-Tysons BRT / LRT	Construct enhanced transit service (BRT/LRT) between Fairfax Hospital in Merrifield to Tysons. Includes 6 lanes (4 GP + 2 Transit) on Gallows Rd.
12	91	ITS/ICM	I-95/I-395 ICM Program	I-95/I-395 ICM Program: -Multimodal Traveler Information: Integration of roadway, transit, and parking information. -Dynamic Ramp Metering: Upgrade of existing ramp metering system. -Parallel Arterial Operations Improvements: Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-95 corridor (including US 1 and Telegraph Rd) -Parking Management: Expansion of pilot program to additional PNR lots. -Decision Support System: Software system to support corridor management activities across multiple facilities and modes.
13	97	Transit	Columbia Pike Priority Transit Network (PrTN)	Provide priority transit service from Skyline to Crystal City via Pentagon City, including limited-stop bus service, improved headways, and 24 transit stations.
14	98	Transit	VA 236 Bus Priority, Alexandria to Fairfax	Implement bus priority service on VA 236 between Alexandria and Fairfax.
15	100	Transit	Metrorail Fleet Expansion	Expand Metrorail fleet to enable operations of 100 percent eight-car trains during peak period. Expansion, upgrades, and replacements of the rail car fleet, traction power substations, power cabling, third rail, train control systems, and storage facilities.

Segment 7-2: I-495 — I-66 to I-395

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
16	105	Transit	Metrobus Priority Corridor Network Plan	PCN Improvements will include improved transit signal priority and exclusive bus lanes, increased frequency and span of service. Improved customer information, expanded fare payment options, enhanced bus stops and facilities. Metrobus service improvements on these routes: CC-PY{9A, E, S, X}; Leesburg Pike{28A, 28X, 28F, G, T}; Little River Tpke/Duke St{29K, N, 29C, E, H}
17	108	Transit	Metrorail Real-Time Parking Info	Deployment of real-time parking information signage at WMATA rail stations
18	110	Transit	South County Feeder Bus Service	Improve service levels on bus routes serving Richmond Highway, Kingstowne, and Springfield
19	115	Transit	VRE Fredericksburg and Manassas Line Off-peak Service	Run bi-hourly trains during midday period between peaks on both Manassas and Fredericksburg Lines
20	199	Transit	New Central/East County to Pentagon/DC OmniRide	Implement new transit route between Central East Prince William County, Pentagon, and downtown DC via the I-95 HOV lanes. Requires 4 additional buses.
21	210	Roadway	Widen auxiliary lanes along I-495	Widen auxiliary lanes along various segments of I-495 from north of Hemming Ave Underpass to Georgetown Pike. Reconstruct the I-495 auxiliary lane from VA 7 to I-66
22	215	Roadway	Widen US 29, City of Fairfax to I-495	Widen US 29 from 4 to 6 lanes from Fairfax ECL to I-495.
23	290	Transit	Dunn Loring to Ballston priority bus	Through enhancement of Metrobus 2A service, provide frequent service on Lee Highway and Washington Blvd from Dunn Loring Metro in Fairfax County through the City of Falls Church, East Falls Church Metro and Washington Blvd to Ballston Metro.
24	293	Transit	ART Bus Parking and Heavy Maintenance Facility	Construct a bus heavy maintenance facility for Arlington Transit (ART) buses and provide additional spaces for ART bus parking.

Segment 7-2: I-495 — I-66 to I-395

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
25	297	Transit	Increase off-peak transit service on I-95 Corridor	Add bus trips to the existing service: Lake Ridge-DC, Lake Ridge-Pentagon/Crystal City; Dale City/Potomac Mills-Pentagon/Crystal City; Dale City/Potomac-Mills/Rosslyn/Ballston; Montclar/Dumfries-Pentagon/DC; Montclair/Dumfries-Pentagon; Dale City/Potomac Mills-Mark Center
26	301	Transit	VRE Manassas Line Rail Capacity Enhancements	Phase 1: Increase frequencies to 20 min in peak period. In support of this improvement: a. Construct track capacity enhancements (additional track and capacity improvements) from Alexandria/AF to Manasss Line terminus, including existing Broad Run VRE station. b. Purchase additional rolling stock in support of 8-car trains and peak service improvements (TIP reflects purchases for 8-car trains in peak hour, additional needed beyond CLRP commitment). c. Construct/expand VRE equipment storage and maintenance facilities in Manassas and midday storage in Washington, D.C. d. Construct station/platform, parking and access improvements at VRE Manassas Line stations, including expand existing Broad Run VRE station/parking/access. e. Improve information sharing through ITS/TSM enhancements for improved communications. Rail improvements in support of I-81 / US-29 Intercity Passenger Rail (DRPT/AMTRAK)

Segment 7-2: I-495 — I-66 to I-395

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
27	326	Transit	Manassas Line Peak Period Service Expansion	Improve frequencies to 15-min. peak period and new reverse peak period sevice. In support of this improvement: a. Purchase additional rolling stock b. Construct/expand VRE equipment storage and maintenance facilities c. Rail Line capacity improvements d. Station/Parking Access improvements e. ITS/TSM improvements.
28	331	Transit	Tysons Express Bus	Implement express bus service between Tysons and Huntington Metro, and Tysons and Franconia-Springfield Metro.
29	336	Roadway	Braddock Road Intersection Improvements: Guinea Road to Ravensworth Road	Task Force voted to improve selected intersection only from Guinea Road to Ravensworth Road . Project includes access mgmt, intersection improvements, signalization, and pedestrian improvements
30	339	ITS/ICM	I-95 ITS/ICM Improvements	Implement intelligent transportation systems, adaptive traffic control, and hard shoulder lanes on I-95
31	340	ITS/ICM	Northern Virginia ITS/ICM Improvements	Implement ITS and integrated corridor management strategies on key regional corridors and parallel facilities in Northern Virginia.
32	341	TDM	Northern Virginia TDM Strategies	Implement and expand TDM initiatives and programs in major employment centers within Northern Virginia
33	344	Transit	VRE Express Service - Manassas Line	Implement peak period express service on VRE Manassas Line: - One express train and three local trains per hour during AM and PM peak periods - Stops at Broad Run, Manassas Park, Burke Centre, Alexandria, Crystal City, L'Enfant, and Union Station
34	350	Transit	US 29 BRT	Implement BRT service on US 29 Lee Highway in a dedicated lane where facility is six lanes.
35	354	Roadway	I-495 Express Lanes - Springfield to Wilson Bridge	Extend I-495 Express Lanes from Springfield across Wilson Bridge into Maryland
36	355	Roadway	I-495 / I-395 Lane Restrictions	Implement lane restrictions for commercial trucks on I-495 and I-395

Segment 7-3: I-495 — I-95 to Woodrow Wilson Bridge

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
1	12	Bike/Ped	Leesburg-Alexandria VA 7 Trail	Construct trail along VA 7 from Leesburg to Alexandria
2	22	Bike/Ped	Bike Lanes Route 7 - Alexandria to Seven Corners	Construct protected bike lanes on both sides of VA 7 between Alexandria and Seven Corner. Connect with City of Falls Church's bicycle network.
3	45	Transit	Vienna Metro Feeder Bus Service Expansion	Add new routes* and improve service levels on existing routes that serve the Vienna Metrorail station
4	61	ITS/ICM	East-West ICM Program: Parallel Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-66 corridor, including the deployment of intelligent signal monitoring/control technology to improve travel on east-west arterial facilities, including US 29, US 50, VA 7, and VA 236.
5	62	ITS/ICM	Connected Vehicle/Traffic Signal Integration Deployment	Traffic signal software integration to support future connected vehicle applications on multiple corridors including: I-66, I-495, US 29, US 50, and VA 7
6	64	Roadway	Van Dorn St - Franconia Rd Interchange	Construct interchange at VA 613 (Van Dorn Street) and VA 644 (Franconia Road)
7	65	Transit	Duke Street Transitway	Construct a four-mile segment of the high-capacity transitway on Duke Street within Alexandria. Reconstruct Duke Street from Wheeler Ave to Jordan St w/ a center left-turn lane. Construct bicycle and pedestrian improvements along corridor. The first phase would create dedicated transit lanes in existing six-lane sections of Duke Street between Landmark Mall and Jordan Street and between Roth Street and Diagonal Road. Between Jordan Street and Roth Street, transit would operate in mixed flow.

Segment 7-3: I-495 — I-95 to Woodrow Wilson Bridge

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
8	66	Transit	Wilson Bridge High Capacity Transit	Extend high capacity surface transit from Metrorail Yellow Line in Alexandria to the Green Line in Prince George's County. Related to I-495 priority bus service CLRP bus service project. Potential modes include LRT, BRT, or improved bus service on corridor between stations.
9	70	Roadway	I-495 HOV Lanes	Implement HOV lanes on I-495 between I-395 and the Woodrow Wilson Bridge
10	78	Transit	DASH Transit Service Enhancements and Expansion	DASH Transit Service Enhancements: including new cross-town services and funding for additional buses to expand service on existing and new routes, circulators and trolleys within and between activity centers and expand bus storage and maintenance facilities; also includes transit stop improvements (bus shelters, real time information signs, bus stop benches, pads for ADA); upgrade to new and/or upgraded regional fare system including new fare collection technology; Provide transit service connection between Eisenhower Metrorail Station and King Street Metrorail Station; Provide transit service connection between Van Dorn Metrorail Station and the Landmark Mall vicinity; Provide east-west transit service between Braddock Rd Metrorail Station and Old Town / King St. Metrorail Station .
11	79	Transit	West End Transitway	Construct a four-mile segment of the dedicated bus lanes between the Van Dorn Metro station and Arlington County. This project will also provide pedestrian and bike facilities in the corridor

Segment 7-3: I-495 — I-95 to Woodrow Wilson Bridge

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
12	83	Transit	King Street Metro-Alexandria Union Station Improvements	Implement multimodal improvements at the King Street Metro station including improved access to parking lot and bus facilities, construction of new shelters, construction of additional bus bays, and a planned transit store. Construction of a new pedestrian tunnel between Alexandria Union Station and the King Street Metrorail station to include elevators and elimination of existing at grade crossing. Pedestrian tunnel project also includes improvements to the east platform including lengthening the platform, ADA improvements, a new canopy and a stairway and elevator connection to the pedestrian tunnel. Improvements to the east platform will increase freight, commuter, and passenger rail operations within and through the City of Alexandria and allow for VRE to utilize the east platform for revenue service. Project also include other improvements at Alexandria Union Station.
13	86	Bike/Ped	Alexandria Bike and Ped Trails Construction and Reconstruction	Reconstruct Holmes Run Trail from North Ripley Street to I-395; Construct trails along local streets in the Beauregard Street and Van Dorn Street corridor, this facility will provide a north-south connection to the City's Holmes Run Trail, running east west, and connecting bicycle users to Mark Center corridor; Construct pedestrian and bicycle bridge over Holmes Run at Morgan St; Implement and construct projects in the City's Ped Bike Plan; Construct bicycle improvements along Royal St between Jones Point and Bashford St, include signage, traffic calming

Segment 7-3: I-495 — I-95 to Woodrow Wilson Bridge

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
14	89	Transit	US 1 BRT	Construct along US 1 BRT with stations at Beacon Hill, Hybla Valley, Fort Belvoir, Penn Daw, Pohick Rd, Woodlawn, and South County Government and with transit transfer centers at Kingman Rd and Fort Belvoir. Includes US 1 widening between VA 235 and I-495.
15	90	Transit	Fredericksburg Line Rail Capacity Improvements	Add a third track between AF and the VRE Crossroads Yard south of Fredericksburg.
16	91	ITS/ICM	I-95/I-395 ICM Program	I-95/I-395 ICM Program: -Multimodal Traveler Information: Integration of roadway, transit, and parking information. -Dynamic Ramp Metering: Upgrade of existing ramp metering system. -Parallel Arterial Operations Improvements: Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-95 corridor (including US 1 and Telegraph Rd) -Parking Management: Expansion of pilot program to additional PNR lots. -Decision Support System: Software system to support corridor management activities across multiple facilities and modes.
17	98	Transit	VA 236 Bus Priority, Alexandria to Fairfax	Implement bus priority service on VA 236 between Alexandria and Fairfax.
18	100	Transit	Metrorail Fleet Expansion	Expand Metrorail fleet to enable operations of 100 percent eight-car trains during peak period. Expansion, upgrades, and replacements of the rail car fleet, traction power substations, power cabling, third rail, train control systems, and storage facilities.

Segment 7-3: I-495 — I-95 to Woodrow Wilson Bridge

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
19	103	ITS/ICM	Arlington ITS Projects	Implement intelligent transportation systems and adaptive traffic control system on regional corridors within Arlington County, including: - Enhancement of Traffic System and Technology to a Smart Traffic Signal system; - Installation of Intelligent Transportation System (ITS) and corresponding Adapative Traffic Control System program on US 29 Lee Highway to better manage traffic flow. Includes additional Bluetooth devices, count stations, CCTV cameras, and FLIR detectors and upgraded signals for better-timed connection with I-66; - Reconstruction of traffic signals to meet current standards, including upgrade from span wire to mast arm
20	105	Transit	Metrobus Priority Corridor Network Plan	PCN Improvements will include improved transit signal priority and exclusive bus lanes, increased frequency and span of service. Improved customer information, expanded fare payment options, enhanced bus stops and facilities. Metrobus service improvements on these routes: CC-PY{9A, E, S, X}; Leesburg Pike{28A, 28X, 28F, G, T}; Little River Tpke/Duke St{29K, N, 29C, E, H}
21	108	Transit	Metrorail Real-Time Parking Info	Deployment of real-time parking information signage at WMATA rail stations
22	110	Transit	South County Feeder Bus Service	Improve service levels on bus routes serving Richmond Highway, Kingstowne, and Springfield
23	113	ITS/ICM	Alexandria ITS Projects	Funding for transportation technologies to improve system efficiencies in the City of Alexandria, Real-Time Adaptive Control and Data Management System - Build out and improve Traffic Signal System with fiber-optics; transit signal priority

Segment 7-3: I-495 — I-95 to Woodrow Wilson Bridge

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
24	115	Transit	VRE Fredericksburg and Manassas Line Off-peak Service	Run bi-hourly trains during midday period between peaks on both Manassas and Fredericksburg Lines
25	116	Transit	Implement integrated regional rail service / VRE-MARC run-through service	Implement run-through service by integrating intercity rail service with MARC and AMTRAK
26	127	Transit	Blue and Yellow Line Bus Facility Improvements	Expand and improve bus bays, passenger facilities, and bus circulation and access paths at all Yellow and Blue Line stations and transit centers in the I-395/ US-1 corridor
27	193	Transit	Alexandria Bus Network ITS	Install Automatic Vehicle Location (AVL) technology on DASH bus to provide real-time arrival info, computer-aided dispatch, automated passenger counters (APC) and automated garage mapping system.
28	194	Transit	Landmark Transit Station Improvements	Construct a transit center on the Landmark Mall site, construct transit commuter hub or kiosk at the future West End Transit Center
29	195	Roadway	Arlandria/Del Ray/ Lynhaven/Potomac Yard Roadway, Bike/Ped, Improvements	Traffic improvements for the intersection of Mt Vernon Ave and E/W Glebe Rd, including signalization, accommodation for pedestrians and turn lane channelization. Construct improvements at Mt Vernon/Four Mile Rd intersection, including ped/bike improvements; Construct bike/ped bridge over four mile run beween Commonwealth Ave and Eads St; Mt Vernon Ave/Russell Rd intersection safety improvements to accommodate pedestrian and bicyclists, may entail intersection and parking configuration redesign. Construct a pedestrian/bicycle link from the Potomac Yard Trail to connect to the Four Mile Run trail on the south side of Four Mile Run, and to the Mt. Vernon Trail; Oakville Triangle improvement projects

Segment 7-3: I-495 — I-95 to Woodrow Wilson Bridge

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
30	196	Roadway	West End Alexandria Roadway Improvements	Construct a multimodal bridge from Van Dorn Metro station to Pickett Street; Extend Library Ln North to Connect with Van Dorn St; ellispe at Beauregard and Seminary; Replace shared left/thru turn lanes along NB and SB Van Dorn St with separate left turn lanes; add protected, permissive left turn lane along NB and SB Van Dorn; Widen Van Dorn St Bridge over Duke St to accommodate pedestrians; Replace shared left/thru turn lanes along NB and SB Van Dorn St with separate left turn lanes; Construct new roadway along Fairfax County Line to connect Edsall Rd, S Pickett St, Farrington Ave; Intersection improvements along Van Dorn Street at Eisenhower, Edsall, Pickett; Straightening Eisenhower; New High Street Addition and Bridge as part of Alexandria's Landmark Van Dorn Area Plan
31	199	Transit	New Central/East County to Pentagon/DC OmniRide	Implement new transit route between Central East Prince William County, Pentagon, and downtown DC via the I-95 HOV lanes. Requires 4 additional buses.
32	202	Transit	Metro Station Improvements within the City of Alexandria	Redesign kiss-and-ride and reconfigure bus loading area to accommodate West End Transitway at the Van Dorn Metrorail Station and existing and future developments within the Eisenhower West Small Area Plan. Improvements to the Eisenhower Ave Metrorail Station to accommodate East Eisenhower development, including renovation of existing bus loop, new pedestrian plaza, new bus shelter canopies, and real-time bus arrival info displays.
33	227	Roadway	Widen Eisenhower Avenue	Widen Eisenhower Avenue from 4 to 6 lanes from Mill Road to Holland Lane.
34	229	Roadway	Widen Telegraph Road	Widen Telegraph Road from two lanes to three and four lanes (total) at various segments between Beulah Street and Franconia Road.

Segment 7-3: I-495 — I-95 to Woodrow Wilson Bridge

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
35	236	Roadway	Reconstruct I-95 interchange at VA 613 Van Dorn Street	Reconstruct I-95 interchange at VA 613 Van Dorn Street.
36	293	Transit	ART Bus Parking and Heavy Maintenance Facility	Construct a bus heavy maintenance facility for Arlington Transit (ART) buses and provide additional spaces for ART bus parking.
37	297	Transit	Increase off-peak transit service on I-95 Corridor	Add bus trips to the existing service: Lake Ridge-DC, Lake Ridge-Pentagon/Crystal City; Dale City/Potomac Mills-Pentagon/Crystal City; Dale City/Potomac-Mills/Rosslyn/Ballston; Montclar/Dumfries-Pentagon/DC; Montclair/Dumfries-Pentagon; Dale City/Potomac Mills-Mark Center
38	299	Transit	VRE Alexandria-DC Rail Capacity Improvements	Construct fourth track LE to VA Construct fourth track RO to AF Alexandria track 1 access/ Slater's Lane crossover Construct Washington Union Station station/access improvements Construct VRE L'Enfant station/access improvements Construct VRE Crystal City station/access improvements
39	300	Transit	VRE Alexandria Station Improvements	Improve multimodal connectivity and accessibility at the Alexandria Union Station - King Street Metro station through construction of a pedestrian tunnel between the two stations; platform expansion and access improvements at VRE station

Segment 7-3: I-495 — I-95 to Woodrow Wilson Bridge

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
40	301	Transit	VRE Manassas Line Rail Capacity Enhancements	Phase 1: Increase frequencies to 20 min in peak period. In support of this improvement: a. Construct track capacity enhancements (additional track and capacity improvements) from Alexandria/AF to Manasss Line terminus, including existing Broad Run VRE station. b. Purchase additional rolling stock in support of 8-car trains and peak service improvements (TIP reflects purchases for 8-car trains in peak hour, additional needed beyond CLRP commitment). c. Construct/expand VRE equipment storage and maintenance facilities in Manassas and midday storage in Washington, D.C. d. Construct station/platform, parking and access improvements at VRE Manassas Line stations, including expand existing Broad Run VRE station/parking/access. e. Improve information sharing through ITS/TSM enhancements for improved communications. Rail improvements in support of I-81 / US-29 Intercity Passenger Rail (DRPT/AMTRAK)

Segment 7-3: I-495 — I-95 to Woodrow Wilson Bridge

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
41	324	Transit	Fredericksburg Line Service Expansion	Implement VRE service improvements on the Fredericksburg line to reduce headways to 20 min in peak period. In support of this improvement: a. Purchase additional rolling stock in support of 8-car trains and peak service improvements (TIP reflects purchases for 8-car trains in peak hour, additional needed beyond CLRP commitment). b. Construct/expand VRE equipment storange and maintenance facilities in Fredericksburg and midday storage in Washington, D.C. c. Construct station/platform, parking and access improvements at VRE Fredericksburg Line stations d. Improve information sharing through ITS/TSM enhancements for improved communications.
42	325	Transit	Fredericksburg Line Peak Period Service Expansion	Improve frequencies to 15-min. peak period and new reverse peak period sevice. In support of this improvement: a. Purchase additional rolling stock b. Construct/expand VRE equipment storage and maintenance facilities c. Rail Line capacity improvements d. Station/Parking Access improvements e. ITS/TSM improvements.
43	326	Transit	Manassas Line Peak Period Service Expansion	Improve frequencies to 15-min. peak period and new reverse peak period sevice. In support of this improvement: a. Purchase additional rolling stock b. Construct/expand VRE equipment storage and maintenance facilities c. Rail Line capacity improvements d. Station/Parking Access improvements e. ITS/TSM improvements.
44	330	Transit	Fairfax County Express Bus, Reston / Franconia-Springfield	Implement express bus service along VA 286 Fairfax County Parkway between Reston Metro and Franconia-Springfield Metro
45	331	Transit	Tysons Express Bus	Implement express bus service between Tysons and Huntington Metro, and Tysons and Franconia-Springfield Metro.

Segment 7-3: I-495 — I-95 to Woodrow Wilson Bridge

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
46	339	ITS/ICM	I-95 ITS/ICM Improvements	Implement intelligent transportation systems, adaptive traffic control, and hard shoulder lanes on I-95
47	340	ITS/ICM	Northern Virginia ITS/ICM Improvements	Implement ITS and integrated corridor management strategies on key regional corridors and parallel facilities in Northern Virginia.
48	341	TDM	Northern Virginia TDM Strategies	Implement and expand TDM initiatives and programs in major employment centers within Northern Virginia
49	343	Transit	VRE Express Service - Fredericksburg Line	Implement peak period express service on VRE Fredericksburg Line: - One express train and three local trains per hour during AM and PM peak periods - Stops at Spotsylvania, Leeland Rd, Woodbridge, Alexandria, Crystal City, L'Enfant, and Union Station
50	344	Transit	VRE Express Service - Manassas Line	Implement peak period express service on VRE Manassas Line: - One express train and three local trains per hour during AM and PM peak periods - Stops at Broad Run, Manassas Park, Burke Centre, Alexandria, Crystal City, L'Enfant, and Union Station
51	353	Transit	Van Dorn Intermodal Facility	Construct Intermodal facility in the vicinity of Van Dorn Metro station to facilitate transfers between Metrorail, West End Transitway, and local transit service.
52	354	Roadway	I-495 Express Lanes - Springfield to Wilson Bridge	Extend I-495 Express Lanes from Springfield across Wilson Bridge into Maryland
53	355	Roadway	I-495 / I-395 Lane Restrictions	Implement lane restrictions for commercial trucks on I-495 and I-395
54	356	Transit	MARC / VRE Crossover Service	Implement MARC Crossover service to Alexandria and points south and west and VRE Crossover service to destinations including New Carrollton, College Park, and points north via Union Station during AM and PM peak hours

Segment 8-1: I-95/US 1/VRE Fredericksburg — Stafford County Line to Fairfax County Line

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
1	35	Roadway	Prince William Parkway Widening at I-95	Widen Prince William Parkway to six lanes between the I-95 on / off ramps
2	72	Roadway	US 1 Widening, Joplin Rd to Russell Rd	Widen US 1 from four six lanes from Joplin Rd to Russell Rd
3	81	Transit	High Capacity Transit Extension to Potomac Mills	Extend high capacity surface transit from Springfield to Potomac Mills. Potential modes include LRT, BRT, or improved bus service on corridor between stations**. Potomac Mills to serve as a park-ride lot.
4	87	Roadway	East Potomac River Crossing	Construct Eastern Potomac Crossing from I-95 to US 301 in Maryland
5	88	Roadway	Widen/Relocate US 1 in Town of Dumfries	Widen US 1 (Fraley Blvd) to six lanes between Brady's Hill Rd and Dumfries Rd (VA 234). Phase I includes widening to 4 lanes along current northbound alignment.
6	89	Transit	US 1 BRT	Construct along US 1 BRT with stations at Beacon Hill, Hybla Valley, Fort Belvoir, Penn Daw, Pohick Rd, Woodlawn, and South County Government and with transit transfer centers at Kingman Rd and Fort Belvoir. Includes US 1 widening between VA 235 and I-495.
7	90	Transit	Fredericksburg Line Rail Capacity Improvements	Add a third track between AF and the VRE Crossroads Yard south of Fredericksburg.

Segment 8-1: I-95/US 1/VRE Fredericksburg — Stafford County Line to Fairfax County Line

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
8	91	ITS/ICM	I-95/I-395 ICM Program	I-95/I-395 ICM Program: -Multimodal Traveler Information: Integration of roadway, transit, and parking information. -Dynamic Ramp Metering: Upgrade of existing ramp metering system. -Parallel Arterial Operations Improvements: Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-95 corridor (including US 1 and Telegraph Rd) -Parking Management: Expansion of pilot program to additional PNR lots. -Decision Support System: Software system to support corridor management activities across multiple facilities and modes.
9	115	Transit	VRE Fredericksburg and Manassas Line Off-peak Service	Run bi-hourly trains during midday period between peaks on both Manassas and Fredericksburg Lines
10	199	Transit	New Central/East County to Pentagon/DC OmniRide	Implement new transit route between Central East Prince William County, Pentagon, and downtown DC via the I-95 HOV lanes. Requires 4 additional buses.
11	217	Roadway	Widen VA 123, Annapolis Way to US 1	Widen VA 123 from 4 to 6 lanes from US 1 to Annapolis Way. Construct interchange at US 1 and VA 123 Gordon Blvd. Construct extension of Belmont Bay Drive from US 1 to Heron's View Way
12	237	Roadway	Widen eastbound VA 619 Joplin Road	Widen eastbound VA 619 Joplin Road from 2 to 4 lanes from the I-95 ramp to US 1.
13	241	Roadway	Widen Dale Blvd, US 1 to Benita Fitzgerald Dr	Widen Dale Blvd to six lanes from US 1 to Benita Fitzgerald Dr
14	243	Roadway	Widen Dumfries Rd from Brentsville Road to Country Club Dr	Widen Dumfries Rd to six lanes from Brentsville Rd to Country Club Dr.
15	244	Roadway	Widen Gordon Blvd, Fairfax CL to Express Dr/Belmont Bay Dr	Widen Gordon Blvd to six lanes from Fairfax County Line to Express Dr/Belmont Bay Dr

Segment 8-1: I-95/US 1/VRE Fredericksburg — Stafford County Line to Fairfax County Line

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
16	246	Roadway	Extend Potomac Shores Parkway	Construct six lane road between US 1 and River Heritage Blvd Extend Potomac Shores Parkway as a four lane facility from Dunnington Place to Cherry Hill Road
17	251	Roadway	US 1 Jefferson Davis Highway Widening, Dumfries Rd to Cardinal Dr	Widen US 1 Jefferson Davis Highway to six lanes between VA-234 Dumfries Rd and Cardinal Dr / Neabsco Rd
18	256	Roadway	Widen Neabsco Rd, US 1 to Daniel Ludwig Dr	Widen Neabsco Rd to four lanes between US 1 and Daniel Ludwig Dr
19	257	Roadway	Widen Neabsco Mills Rd, Smoke Court to US 1	Widen Neabsco Mills Rd to four lanes between Smoke Court and US 1
20	259	Roadway	Widen Old Bridge Rd, Colby Dr to Minnieville Rd	Widen Old Bridge Rd to six lanes, Colby Dr to Minnieville Rd
21	262	Roadway	Widen Opitz Blvd, Gideon Dr to US 1	Widen Opitz Blvd to six lanes, Gideon Dr to US 1
22	265	Roadway	Construct River Heritage Blvd, Potomac Shores to Patriot Circle	Construct four lane River Heritage Blvd, Potomac Shores to Patriot Circle
23	270	Roadway	Summit School Road Extension and Widening	Extend Summit School Road from Minnieville Road to Telegraph Road as a six lane road.
24	271	Roadway	Construct/widen Telegraph Rd, Minnieville Rd to VA-294	Widen Telegraph Rd to four lanes between Minnieville Rd and Summit School Rd Widen Telegraph Rd to six lanes between Summit School Rd and Caton Hill Rd Widen Telegraph Rd to four lanes between Caton Hill Rd and VA-294
25	274	Roadway	Construct VanBuren North Rd, Cardinal Dr to Dumfries Rd	Construct four lane VanBuren North Rd, Cardinal Dr to Dumfries Rd
26	275	Roadway	Construct Van Buren South Rd, Dumfries Rd to Mine Rd	Construct four lane Van Buren South Rd, Dumfries Rd to Mine Rd
27	281	Roadway	Prince William Pkwy / Smoketown Rd Interchange	Construct interchange at Prince William Parkway and Smoketown Rd
28	282	Roadway	Annapolis Way Connector	Construct four lane facility to connect Annapolis Way East with Annapolis Way West
29	283	Roadway	Widen US 1, Occuquan River Bridge to VA 235 North	Widen US 1 to six lanes, Occuquan River Bridge/ Fairfax County Line to Telegraph Rd
30	287	Roadway	Rt. 1 (Jefferson Davis Hwy.)/Dale Blvd Interchange	Construct an interchange at Rt. 1 and Dale Blvd.

Segment 8-1: I-95/US 1/VRE Fredericksburg — Stafford County Line to Fairfax County Line

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
31	288	Roadway	Rt. 1 (Jefferson Davis Hwy.)/Joplin Road/Fuller Road	Construct a grade separated roundabout at Rt. 1, Joplin Road and Fuller Road
32	297	Transit	Increase off-peak transit service on I-95 Corridor	Add bus trips to the existing service: Lake Ridge-DC, Lake Ridge-Pentagon/Crystal City; Dale City/Potomac Mills-Pentagon/Crystal City; Dale City/Potomac-Mills/Rosslyn/Ballston; Montclar/Dumfries-Pentagon/DC; Montclair/Dumfries-Pentagon; Dale City/Potomac Mills-Mark Center
33	298	Transit	Implement new OmniLink service	Implement new OmniLink routes: Innovation-to-Gainesville/Haymarket; Innovation-to-Manassas; Montclair local
34	316	Transit	I-95 Corridor Park & Ride Prince William	Expand park & ride capacity at **Brittany Park, **Hillendale, **Montclair, **Old Bridge/Minnieville Rd, *Old Bridge Festival, ***Old Bridge/US route 1, *Potomac Mills, *Prince William Square, ***PRTC Transit Center, ***VA 234/ US 1, *Tacketts Mill Shopping Center, Construct a new park & ride lot at Cherry Hill and and a new park & ride garage at Potomac Center.
35	321	Roadway	Rt. 1 (Jefferson Davis Hwy.)/Rt. 234 (Dumfries Rd.)/Potomac Shores Pkwy.	Construct a "quadrant at-grade" interchange at Rt. 1, Rt. 234 and Potomac Shores Parkway

Segment 8-1: I-95/US 1/VRE Fredericksburg — Stafford County Line to Fairfax County Line

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
36	324	Transit	Fredericksburg Line Service Expansion	Implement VRE service improvements on the Fredericksburg line to reduce headways to 20 min in peak period. In support of this improvement: a. Purchase additional rolling stock in support of 8-car trains and peak service improvements (TIP reflects purchases for 8-car trains in peak hour, additional needed beyond CLRP commitment). b. Construct/expand VRE equipment storange and maintenance facilities in Fredericksburg and midday storage in Washington, D.C. c. Construct station/platform, parking and access improvements at VRE Fredericksburg Line stations d. Improve information sharing through ITS/TSM enhancements for improved communications.
37	325	Transit	Fredericksburg Line Peak Period Service Expansion	Improve frequencies to 15-min. peak period and new reverse peak period sevice. In support of this improvement: a. Purchase additional rolling stock b. Construct/expand VRE equipment storage and maintenance facilities c. Rail Line capacity improvements d. Station/Parking Access improvements e. ITS/TSM improvements.
38	327	Roadway	I-95 General Purpose Lanes Widening from Occoquan River Bridge to Route 234 (exit 152)	Widen SB I-95 to four lanes between the Occoquan River Bridge and VA 234 Dumfries Rd (exit 152).
39	339	ITS/ICM	I-95 ITS/ICM Improvements	Implement intelligent transportation systems, adaptive traffic control, and hard shoulder lanes on I-95
40	340	ITS/ICM	Northern Virginia ITS/ICM Improvements	Implement ITS and integrated corridor management strategies on key regional corridors and parallel facilities in Northern Virginia.
41	341	TDM	Northern Virginia TDM Strategies	Implement and expand TDM initiatives and programs in major employment centers within Northern Virginia
42	342	Roadway	Joplin Rd Improvements	Implement speed limit adjustments on VA 619 Joplin Road.

Segment 8-1: I-95/US 1/VRE Fredericksburg — Stafford County Line to Fairfax County Line

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
43	343	Transit	VRE Express Service - Fredericksburg Line	Implement peak period express service on VRE Fredericksburg Line: - One express train and three local trains per hour during AM and PM peak periods - Stops at Spotsylvania, Leeland Rd, Woodbridge, Alexandria, Crystal City, L'Enfant, and Union Station

Segment 8-2: I-95/US 1/VRE Fredericksburg — Prince William County Line to I-495

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
1	39	Roadway	Fairfax County Pkwy/ US 1 Interchange	Construct interchange at Fairfax County Pkwy and US 1
2	42	Transit	Fairfax County Pkwy Priority Bus Service	Implement priority bus service on Fairfax County Parkway between Herndon/Monroe Metrorail station and Ft. Belvoir
3	45	Transit	Vienna Metro Feeder Bus Service Expansion	Add new routes* and improve service levels on existing routes that serve the Vienna Metrorail station
4	61	ITS/ICM	East-West ICM Program: Parallel Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-66 corridor, including the deployment of intelligent signal monitoring/control technology to improve travel on east-west arterial facilities, including US 29, US 50, VA 7, and VA 236.
5	62	ITS/ICM	Connected Vehicle/Traffic Signal Integration Deployment	Traffic signal software integration to support future connected vehicle applications on multiple corridors including: I-66, I-495, US 29, US 50, and VA 7
6	64	Roadway	Van Dorn St - Franconia Rd Interchange	Construct interchange at VA 613 (Van Dorn Street) and VA 644 (Franconia Road)
7	65	Transit	Duke Street Transitway	Construct a four-mile segment of the high-capacity transitway on Duke Street within Alexandria. Reconstruct Duke Street from Wheeler Ave to Jordan St w/ a center left-turn lane. Construct bicycle and pedestrian improvements along corridor. The first phase would create dedicated transit lanes in existing six-lane sections of Duke Street between Landmark Mall and Jordan Street and between Roth Street and Diagonal Road. Between Jordan Street and Roth Street, transit would operate in mixed flow.

Segment 8-2: I-95/US 1/VRE Fredericksburg — Prince William County Line to I-495

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
8	66	Transit	Wilson Bridge High Capacity Transit	Extend high capacity surface transit from Metrorail Yellow Line in Alexandria to the Green Line in Prince George's County. Related to I-495 priority bus service CLRP bus service project. Potential modes include LRT, BRT, or improved bus service on corridor between stations.
9	70	Roadway	I-495 HOV Lanes	Implement HOV lanes on I-495 between I-395 and the Woodrow Wilson Bridge
10	73	Roadway	I-95 Improvements at Franconia-Springfield Pkwy	Build an entrance to the I-95 general purpose lanes at Franconia-Springfield Parkway
11	74	Roadway	I-95 / Fairfax County Pkwy Flyover Ramp	Construct a flyover ramp from northbound I-95 to northbound Fairfax County Parkway and make other interchange improvements
12	75	Roadway	US 1 Interchange at Telegraph Road	Construct interchange at US 1 and VA 611 (Telegraph Road)
13	77	Roadway	Frontier Drive Extension & Intersection Improvements	Construct Frontier Drive extension from Franconia-Springfield Parkway to Loisdale Road, included access to Franconia-Springfield Metrorail Station and braided ramps to and from the Parkway.

Segment 8-2: I-95/US 1/VRE Fredericksburg — Prince William County Line to I-495

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
14	78	Transit	DASH Transit Service Enhancements and Expansion	DASH Transit Service Enhancements: including new cross-town services and funding for additional buses to expand service on existing and new routes, circulators and trolleys within and between activity centers and expand bus storage and maintenance facilities; also includes transit stop improvements (bus shelters, real time information signs, bus stop benches, pads for ADA); upgrade to new and/or upgraded regional fare system including new fare collection technology; Provide transit service connection between Eisenhower Metrorail Station and King Street Metrorail Station; Provide transit service connection between Van Dorn Metrorail Station and the Landmark Mall vicinity; Provide east-west transit service between Braddock Rd Metrorail Station and Old Town / King St. Metrorail Station .
15	79	Transit	West End Transitway	Construct a four-mile segment of the dedicated bus lanes between the Van Dorn Metro station and Arlington County. This project will also provide pedestrian and bike facilities in the corridor
16	81	Transit	High Capacity Transit Extension to Potomac Mills	Extend high capacity surface transit from Springfield to Potomac Mills. Potential modes include LRT, BRT, or improved bus service on corridor between stations**. Potomac Mills to serve as a park-ride lot.

Segment 8-2: I-95/US 1/VRE Fredericksburg — Prince William County Line to I-495

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
17	86	Bike/Ped	Alexandria Bike and Ped Trails Construction and Reconstruction	Reconstruct Holmes Run Trail from North Ripley Street to I-395; Construct trails along local streets in the Beauregard Street and Van Dorn Street corridor, this facility will provide a north-south connection to the City's Holmes Run Trail, running east west, and connecting bicycle users to Mark Center corridor; Construct pedestrian and bicycle bridge over Holmes Run at Morgan St; Implement and construct projects in the City's Ped Bike Plan; Construct bicycle improvements along Royal St between Jones Point and Bashford St, include signage, traffic calming
18	89	Transit	US 1 BRT	Construct along US 1 BRT with stations at Beacon Hill, Hybla Valley, Fort Belvoir, Penn Daw, Pohick Rd, Woodlawn, and South County Government and with transit transfer centers at Kingman Rd and Fort Belvoir. Includes US 1 widening between VA 235 and I-495.
19	90	Transit	Fredericksburg Line Rail Capacity Improvements	Add a third track between AF and the VRE Crossroads Yard south of Fredericksburg.

Segment 8-2: I-95/US 1/VRE Fredericksburg — Prince William County Line to I-495

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
20	91	ITS/ICM	I-95/I-395 ICM Program	I-95/I-395 ICM Program: -Multimodal Traveler Information: Integration of roadway, transit, and parking information. -Dynamic Ramp Metering: Upgrade of existing ramp metering system. -Parallel Arterial Operations Improvements: Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-95 corridor (including US 1 and Telegraph Rd) -Parking Management: Expansion of pilot program to additional PNR lots. -Decision Support System: Software system to support corridor management activities across multiple facilities and modes.
21	98	Transit	VA 236 Bus Priority, Alexandria to Fairfax	Implement bus priority service on VA 236 between Alexandria and Fairfax.
22	100	Transit	Metrorail Fleet Expansion	Expand Metrorail fleet to enable operations of 100 percent eight-car trains during peak period. Expansion, upgrades, and replacements of the rail car fleet, traction power substations, power cabling, third rail, train control systems, and storage facilities.

Segment 8-2: I-95/US 1/VRE Fredericksburg — Prince William County Line to I-495

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
23	103	ITS/ICM	Arlington ITS Projects	Implement intelligent transportation systems and adaptive traffic control system on regional corridors within Arlington County, including: - Enhancement of Traffic System and Technology to a Smart Traffic Signal system; - Installation of Intelligent Transportation System (ITS) and corresponding Adapative Traffic Control System program on US 29 Lee Highway to better manage traffic flow. Includes additional Bluetooth devices, count stations, CCTV cameras, and FLIR detectors and upgraded signals for better-timed connection with I-66; - Reconstruction of traffic signals to meet current standards, including upgrade from span wire to mast arm
24	105	Transit	Metrobus Priority Corridor Network Plan	PCN Improvements will include improved transit signal priority and exclusive bus lanes, increased frequency and span of service. Improved customer information, expanded fare payment options, enhanced bus stops and facilities. Metrobus service improvements on these routes: CC-PY{9A, E, S, X}; Leesburg Pike{28A, 28X, 28F, G, T}; Little River Tpke/Duke St{29K, N, 29C, E, H}
25	108	Transit	Metrorail Real-Time Parking Info	Deployment of real-time parking information signage at WMATA rail stations
26	110	Transit	South County Feeder Bus Service	Improve service levels on bus routes serving Richmond Highway, Kingstowne, and Springfield
27	113	ITS/ICM	Alexandria ITS Projects	Funding for transportation technologies to improve system efficiencies in the City of Alexandria, Real-Time Adaptive Control and Data Management System - Build out and improve Traffic Signal System with fiber-optics; transit signal priority

Segment 8-2: I-95/US 1/VRE Fredericksburg — Prince William County Line to I-495

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
28	115	Transit	VRE Fredericksburg and Manassas Line Off-peak Service	Run bi-hourly trains during midday period between peaks on both Manassas and Fredericksburg Lines
29	124	Transit	New Bus Garage in Northern Virginia	Construct a new bus garage in Northern Virginia. Location and size to be determined by service improvements in Northern Virginia transit network.
30	127	Transit	Blue and Yellow Line Bus Facility Improvements	Expand and improve bus bays, passenger facilities, and bus circulation and access paths at all Yellow and Blue Line stations and transit centers in the I-395/ US-1 corridor
31	193	Transit	Alexandria Bus Network ITS	Install Automatic Vehicle Location (AVL) technology on DASH bus to provide real-time arrival info, computer-aided dispatch, automated passenger counters (APC) and automated garage mapping system.
32	199	Transit	New Central/East County to Pentagon/DC OmniRide	Implement new transit route between Central East Prince William County, Pentagon, and downtown DC via the I-95 HOV lanes. Requires 4 additional buses.
33	213	Roadway	Widen US 1 at Mt. Vernon	Widen US 1 from 4 to 6 lanes from VA 235 North to VA 235 South
34	223	Roadway	Construct VA 289 Franconia-Springfield Parkway HOV interchange	Construct VA 289 Franconia-Springfield Parkway HOV interchange at Neuman Street.
35	224	Roadway	Upgrade VA 289 Franconia-Springfield Parkway to include HOV lanes	Upgrade VA 289 Franconia-Springfield Parkway to include HOV lanes from Rolling Road to Backlick Road.
36	227	Roadway	Widen Eisenhower Avenue	Widen Eisenhower Avenue from 4 to 6 lanes from Mill Road to Holland Lane.
37	229	Roadway	Widen Telegraph Road	Widen Telegraph Road from two lanes to three and four lanes (total) at various segments between Beulah Street and Franconia Road.
38	283	Roadway	Widen US 1, Occuquan River Bridge to VA 235 North	Widen US 1 to six lanes, Occuquan River Bridge/ Fairfax County Line to Telegraph Rd
39	293	Transit	ART Bus Parking and Heavy Maintenance Facility	Construct a bus heavy maintenance facility for Arlington Transit (ART) buses and provide additional spaces for ART bus parking.

Segment 8-2: I-95/US 1/VRE Fredericksburg — Prince William County Line to I-495

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
40	297	Transit	Increase off-peak transit service on I-95 Corridor	Add bus trips to the existing service: Lake Ridge-DC, Lake Ridge-Pentagon/Crystal City; Dale City/Potomac Mills-Pentagon/Crystal City; Dale City/Potomac-Mills/Rosslyn/Ballston; Montclar/Dumfries-Pentagon/DC; Montclair/Dumfries-Pentagon; Dale City/Potomac Mills-Mark Center
41	301	Transit	VRE Manassas Line Rail Capacity Enhancements	Ph. 1: Increase frequencies to 20 min in peak period. In support of this improvement: a. Construct track capacity enhancements (additional track and capacity improvements) from Alexandria/AF to Manasss Line terminus, including existing Broad Run VRE station. b. Purchase additional rolling stock in support of 8-car trains and peak service improvements (TIP reflects purchases for 8-car trains in peak hour, additional needed beyond CLRP commitment). c. Construct/expand VRE equipment storage and maintenance facilities in Manassas and midday storage in Washington, D.C. d. Construct station/platform, parking and access improvements at VRE Manassas Line stations, including expand existing Broad Run VRE station/parking/access. e. Improve information sharing through ITS/TSM enhancements for improved communications. Rail improvements in support of I-81 / US-29 Intercity Passenger Rail (DRPT/AMTRAK)

Segment 8-2: I-95/US 1/VRE Fredericksburg — Prince William County Line to I-495

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
42	324	Transit	Fredericksburg Line Service Expansion	Implement VRE service improvements on the Fredericksburg line to reduce headways to 20 min in peak period. In support of this improvement: a. Purchase additional rolling stock in support of 8-car trains and peak service improvements (TIP reflects purchases for 8-car trains in peak hour, additional needed beyond CLRP commitment). b. Construct/expand VRE equipment storange and maintenance facilities in Fredericksburg and midday storage in Washington, D.C. c. Construct station/platform, parking and access improvements at VRE Fredericksburg Line stations d. Improve information sharing through ITS/TSM enhancements for improved communications.
43	325	Transit	Fredericksburg Line Peak Period Service Expansion	Improve frequencies to 15-min. peak period and new reverse peak period sevice. In support of this improvement: a. Purchase additional rolling stock b. Construct/expand VRE equipment storage and maintenance facilities c. Rail Line capacity improvements d. Station/Parking Access improvements e. ITS/TSM improvements.
44	326	Transit	Manassas Line Peak Period Service Expansion	Improve frequencies to 15-min. peak period and new reverse peak period sevice. In support of this improvement: a. Purchase additional rolling stock b. Construct/expand VRE equipment storage and maintenance facilities c. Rail Line capacity improvements d. Station/Parking Access improvements e. ITS/TSM improvements.
45	330	Transit	Fairfax County Express Bus, Reston / Franconia-Springfield	Implement express bus service along VA 286 Fairfax County Parkway between Reston Metro and Franconia-Springfield Metro
46	331	Transit	Tysons Express Bus	Implement express bus service between Tysons and Huntington Metro, and Tysons and Franconia-Springfield Metro.

Segment 8-2: I-95/US 1/VRE Fredericksburg — Prince William County Line to I-495

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
47	339	ITS/ICM	I-95 ITS/ICM Improvements	Implement intelligent transportation systems, adaptive traffic control, and hard shoulder lanes on I-95
48	340	ITS/ICM	Northern Virginia ITS/ICM Improvements	Implement ITS and integrated corridor management strategies on key regional corridors and parallel facilities in Northern Virginia.
49	341	TDM	Northern Virginia TDM Strategies	Implement and expand TDM initiatives and programs in major employment centers within Northern Virginia
50	343	Transit	VRE Express Service - Fredericksburg Line	Implement peak period express service on VRE Fredericksburg Line: - One express train and three local trains per hour during AM and PM peak periods - Stops at Spotsylvania, Leeland Rd, Woodbridge, Alexandria, Crystal City, L'Enfant, and Union Station
51	344	Transit	VRE Express Service - Manassas Line	Implement peak period express service on VRE Manassas Line: - One express train and three local trains per hour during AM and PM peak periods - Stops at Broad Run, Manassas Park, Burke Centre, Alexandria, Crystal City, L'Enfant, and Union Station
52	354	Roadway	I-495 Express Lanes - Springfield to Wilson Bridge	Extend I-495 Express Lanes from Springfield across Wilson Bridge into Maryland
53	355	Roadway	I-495 / I-395 Lane Restrictions	Implement lane restrictions for commercial trucks on I-495 and I-395

Segment 8-3: I-395/US 1/VRE Fredericksburg/Blue Yellow Line — I-495 to Potomac River

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
1	1	Transit	VA 7 Transit: Tysons - Mark Center	Construct Bus Rapid Transit line along VA 7 between Tysons and Mark Center with a connection to East Falls Church Metrorail Station
2	7	Roadway	King/Quaker/Braddock Intersection Improvements	Construct intersection improvements at King St, Quaker Lane, and Braddock Road - Includes replacing the span wire traffic signals with mast arm signals which will allow for the placement of much needed directional signs, precise placement of signal heads and the installation of vehicle detection. These improvements will mitigate driver confusion and allow for a more efficient conveyance of vehicles and pedestrians through the intersection. Also included in this project are modifications to the slip ramp between King Street and the service road as well as modifying the entrance to the service road at North Quaker Lane.
3	12	Bike/Ped	Leesburg-Alexandria VA 7 Trail	Construct trail along VA 7 from Leesburg to Alexandria
4	22	Bike/Ped	Bike Lanes Route 7 - Alexandria to Seven Corners	Construct protected bike lanes on both sides of VA 7 between Alexandria and Seven Corner. Connect with City of Falls Church's bicycle network.
5	45	Transit	Vienna Metro Feeder Bus Service Expansion	Add new routes* and improve service levels on existing routes that serve the Vienna Metrorail station

Segment 8-3: I-395/US 1/VRE Fredericksburg/Blue Yellow Line — I-495 to Potomac River

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
6	60	Bike/Ped	Arlington Regional Trail Network	Provide dedicated bike facilities, bikesharing and key sidewalk improvements on north-south corridors in Arlington to connect major east-west corridors with each other. Example corridors includes Carlin Springs Road, Walter Reed Drive/Fillmore Street, Harrison St, Washington Blvd, Rt 110, and others. Network also includes: -Trail parallel to Washington Blvd between Arlington Blvd and Columbia Pike -Rehab of Custis Trail to current VDOT shared used path design and construction specifications in Rosslyn -Extension of Custis Trail north of I-66 betwen Kennebec and Quantico -Long Bridge Park Esplanade extension to Mt Vernon Trail -Arlington Blvd trail -Theodore Roosevelt Bridge connection to Mt Vernon Trail and Marine Corps War Memorial -Dedicated cycling facility along the Route 50 service road (south side), between N. Rhodes St. and N. Meade St. -Expansion of Arlington bicycle commuter routes: Bluemont Junction Trail, Custis
7	61	ITS/ICM	East-West ICM Program: Parallel Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-66 corridor, including the deployment of intelligent signal monitoring/control technology to improve travel on east-west arterial facilities, including US 29, US 50, VA 7, and VA 236.
8	62	ITS/ICM	Connected Vehicle/Traffic Signal Integration Deployment	Traffic signal software integration to support future connected vehicle applications on multiple corridors including: I-66, I-495, US 29, US 50, and VA 7
9	63	Transit	Route 50 Express Bus	Improve Route 50 - Orange Line bus connections.

Segment 8-3: I-395/US 1/VRE Fredericksburg/Blue Yellow Line — I-495 to Potomac River

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
10	64	Roadway	Van Dorn St - Franconia Rd Interchange	Construct interchange at VA 613 (Van Dorn Street) and VA 644 (Franconia Road)
11	65	Transit	Duke Street Transitway	Construct a four-mile segment of the high-capacity transitway on Duke Street within Alexandria. Reconstruct Duke Street from Wheeler Ave to Jordan St w/ a center left-turn lane. Construct bicycle and pedestrian improvements along corridor. The first phase would create dedicated transit lanes in existing six-lane sections of Duke Street between Landmark Mall and Jordan Street and between Roth Street and Diagonal Road. Between Jordan Street and Roth Street, transit would operate in mixed flow.
12	66	Transit	Wilson Bridge High Capacity Transit	Extend high capacity surface transit from Metrorail Yellow Line in Alexandria to the Green Line in Prince George's County. Related to I-495 priority bus service CLRP bus service project. Potential modes include LRT, BRT, or improved bus service on corridor between stations.
13	68	Roadway	Little River Turnpike Widening	Widen Little River Turnpike (VA 236) from 4 to 6 lanes between City of Fairfax and I-395
14	70	Roadway	I-495 HOV Lanes	Implement HOV lanes on I-495 between I-395 and the Woodrow Wilson Bridge
15	76	Roadway	Crystal City, Pentagon City, Potomac Yard Street Grid Improvements	Construct an improved grid network of streets in Crystal City, Pentagon City, and Potomac Yard

Segment 8-3: I-395/US 1/VRE Fredericksburg/Blue Yellow Line — I-495 to Potomac River

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
16	78	Transit	DASH Transit Service Enhancements and Expansion	DASH Transit Service Enhancements: including new cross-town services and funding for additional buses to expand service on existing and new routes, circulators and trolleys within and between activity centers and expand bus storage and maintenance facilities; also includes transit stop improvements (bus shelters, real time information signs, bus stop benches, pads for ADA); upgrade to new and/or upgraded regional fare system including new fare collection technology; Provide transit service connection between Eisenhower Metrorail Station and King Street Metrorail Station; Provide transit service connection between Van Dorn Metrorail Station and the Landmark Mall vicinity; Provide east-west transit service between Braddock Rd Metrorail Station and Old Town / King St. Metrorail Station .
17	79	Transit	West End Transitway	Construct a four-mile segment of the dedicated bus lanes between the Van Dorn Metro station and Arlington County. This project will also provide pedestrian and bike facilities in the corridor
18	80	Transit	I-395 Bus Lanes	Construct bus lanes between Pentagon Transit Center and 14th Street using inside shoulders of Rochambeau Memorial Bridge (I-395)
19	82	Transit	Widen Long Bridge	Widen the Long Bridge to 4 tracks to accommodate additional rail capacity for commuter (VRE), intercity (Amtrak, DC2RVA), and freight (CSXT) services.

Segment 8-3: I-395/US 1/VRE Fredericksburg/Blue Yellow Line — I-495 to Potomac River

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
20	83	Transit	King Street Metro-Alexandria Union Station Improvements	Implement multimodal improvements at the King Street Metro station including improved access to parking lot and bus facilities, construction of new shelters, construction of additional bus bays, and a planned transit store. Construction of a new pedestrian tunnel between Alexandria Union Station and the King Street Metrorail station to include elevators and elimination of existing at grade crossing. Pedestrian tunnel project also includes improvements to the east platform including lengthening the platform, ADA improvements, a new canopy and a stairway and elevator connection to the pedestrian tunnel. Improvements to the east platform will increase freight, commuter, and passenger rail operations within and through the City of Alexandria and allow for VRE to utilize the east platform for revenue service. Project also include other improvements at Alexandria Union Station.
21	84	Transit	Crystal City Metro Station Multimodal Improvements	Enhance bus docking capacity and passenger facilities at the Crystal City Metro station
22	85	Transit	Crystal City Metro Station Second Entrance	Construct a second entrance to the Crystal City Metro station (near Crystal Drive and 18th Street S) providing connections to Crystal City VRE Station and DCA.

Segment 8-3: I-395/US 1/VRE Fredericksburg/Blue Yellow Line — I-495 to Potomac River

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
23	86	Bike/Ped	Alexandria Bike and Ped Trails Construction and Reconstruction	Reconstruct Holmes Run Trail from North Ripley Street to I-395; Construct trails along local streets in the Beauregard Street and Van Dorn Street corridor, this facility will provide a north-south connection to the City's Holmes Run Trail, running east west, and connecting bicycle users to Mark Center corridor; Construct pedestrian and bicycle bridge over Holmes Run at Morgan St; Implement and construct projects in the City's Ped Bike Plan; Construct bicycle improvements along Royal St between Jones Point and Bashford St, include signage, traffic calming
24	89	Transit	US 1 BRT	Construct along US 1 BRT with stations at Beacon Hill, Hybla Valley, Fort Belvoir, Penn Daw, Pohick Rd, Woodlawn, and South County Government and with transit transfer centers at Kingman Rd and Fort Belvoir. Includes US 1 widening between VA 235 and I-495.
25	90	Transit	Fredericksburg Line Rail Capacity Improvements	Add a third track between AF and the VRE Crossroads Yard south of Fredericksburg.

Segment 8-3: I-395/US 1/VRE Fredericksburg/Blue Yellow Line — I-495 to Potomac River

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
26	91	ITS/ICM	I-95/I-395 ICM Program	I-95/I-395 ICM Program: -Multimodal Traveler Information: Integration of roadway, transit, and parking information. -Dynamic Ramp Metering: Upgrade of existing ramp metering system. -Parallel Arterial Operations Improvements: Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-95 corridor (including US 1 and Telegraph Rd) -Parking Management: Expansion of pilot program to additional PNR lots. -Decision Support System: Software system to support corridor management activities across multiple facilities and modes.
27	97	Transit	Columbia Pike Priority Transit Network (PrTN)	Provide priority transit service from Skyline to Crystal City via Pentagon City, including limited-stop bus service, improved headways, and 24 transit stations.
28	98	Transit	VA 236 Bus Priority, Alexandria to Fairfax	Implement bus priority service on VA 236 between Alexandria and Fairfax.
29	100	Transit	Metrorail Fleet Expansion	Expand Metrorail fleet to enable operations of 100 percent eight-car trains during peak period. Expansion, upgrades, and replacements of the rail car fleet, traction power substations, power cabling, third rail, train control systems, and storage facilities.
30	101	Bike/Ped	Columbia Pike Corridor urban bike/ped network	Improve bicycle and pedestrian infrastructure in and around the Columbia Pike corridor, including bikeways, bikesharing, and key sidewalk improvements, to convert SOV trips to, within, and between activity center areas from car to bike/pedestrian. Includes parallel bike routes along 9th St, 11th St, and 12th in the vicinity of Columbia Pike.

Segment 8-3: I-395/US 1/VRE Fredericksburg/Blue Yellow Line — I-495 to Potomac River

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
31	102	Bike/Ped	Arlington TDM Package	Improve and expand the commuter assistance and other programs provided by Arlington County Commuter Services. Includes new commuter stores and next generation IT services, implementation of transportation system management and communication upgrade throughout the County, and improvements to traveler information via creation or expansion of informational, wayfinding, alert, or real-time signs providing information on multimodal transportation options. Develop a system of coordinated mobility hubs along major corridors to fully integrate transit, bikesharing, carsharing, ridesharing, pedestrians, bicycling, ride hailing and other shared use services. Develop, coordinate, implement, and/or expand shared-ride and ride-hailing services for first mile/last mile connections to transit and mobility hubs as well as to activity centers, parking, and pick-up hotspots. Includes support for autonomous vehicles, casual carpooling, on-demand services

Segment 8-3: I-395/US 1/VRE Fredericksburg/Blue Yellow Line — I-495 to Potomac River

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
32	103	ITS/ICM	Arlington ITS Projects	Implement intelligent transportation systems and adaptive traffic control system on regional corridors within Arlington County, including: - Enhancement of Traffic System and Technology to a Smart Traffic Signal system; - Installation of Intelligent Transportation System (ITS) and corresponding Adapative Traffic Control System program on US 29 Lee Highway to better manage traffic flow. Includes additional Bluetooth devices, count stations, CCTV cameras, and FLIR detectors and upgraded signals for better-timed connection with I-66; - Reconstruction of traffic signals to meet current standards, including upgrade from span wire to mast arm
33	104	Transit	Metro station access and capacity improvements	Construction of station access and capacity improvements at: Rosslyn, Pentagon, Vienna, Foggy Bottom, Farragut West, McPherson Square, Metro Center, L'Enfant Plaza, and Union Station. Also includes station area lighting and customer amenities.
34	105	Transit	Metrobus Priority Corridor Network Plan	PCN Improvements will include improved transit signal priority and exclusive bus lanes, increased frequency and span of service. Improved customer information, expanded fare payment options, enhanced bus stops and facilities. Metrobus service improvements on these routes: CC-PY{9A, E, S, X}; Leesburg Pike{28A, 28X, 28F, G, T}; Little River Tpke/Duke St{29K, N, 29C, E, H}
35	108	Transit	Metrorail Real-Time Parking Info	Deployment of real-time parking information signage at WMATA rail stations
36	110	Transit	South County Feeder Bus Service	Improve service levels on bus routes serving Richmond Highway, Kingstowne, and Springfield

Segment 8-3: I-395/US 1/VRE Fredericksburg/Blue Yellow Line — I-495 to Potomac River

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
37	112	Bike/Ped	Crystal City Corridor Urban Ped/Bike Network	Improve bicycle and pedestrian infrastructure in and around Arlington's Blue/Yellow Metro corridor, including bikeways, bikesharing, and key sidewalk improvements, to convert SOV trips to, within, and between Metro station areas from car to bike/pedestrian, and to enable access to/from Metro stations to high-density housing and job centers.
38	113	ITS/ICM	Alexandria ITS Projects	Funding for transportation technologies to improve system efficiencies in the City of Alexandria, Real-Time Adaptive Control and Data Management System - Build out and improve Traffic Signal System with fiber-optics; transit signal priority
39	115	Transit	VRE Fredericksburg and Manassas Line Off-peak Service	Run bi-hourly trains during midday period between peaks on both Manassas and Fredericksburg Lines
40	116	Transit	Implement integrated regional rail service / VRE-MARC run-through service	Implement run-through service by integrating intercity rail service with MARC and AMTRAK
41	117	Transit	Metroway - Pentagon City Extension	Construct extension of Metroway to Pentagon City, which includes reconfiguration of 12th Street S between S Eads St and S Clark St for exclusive transit lanes. Removal of obsolete section of Clark St and realignment of Clark St with Bell St to improve street network. Intersection improvements around 23rd St S and US 1. Implement Complete Street improvements to Army Navy Drive.
42	122	Transit	ART Service Restructuring and Expansion	Purchase of buses in support of Arlington Transit (ART) service restructuring and expansion. Includes implementation of priority bus service on Glebe Road between Marymount University and Potomac Yard Metro via Ballston.
43	127	Transit	Blue and Yellow Line Bus Facility Improvements	Expand and improve bus bays, passenger facilities, and bus circulation and access paths at all Yellow and Blue Line stations and transit centers in the I-395/ US-1 corridor

Segment 8-3: I-395/US 1/VRE Fredericksburg/Blue Yellow Line — I-495 to Potomac River

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
44	193	Transit	Alexandria Bus Network ITS	Install Automatic Vehicle Location (AVL) technology on DASH bus to provide real-time arrival info, computer-aided dispatch, automated passenger counters (APC) and automated garage mapping system.
45	194	Transit	Landmark Transit Station Improvements	Construct a transit center on the Landmark Mall site, construct transit commuter hub or kiosk at the future West End Transit Center
46	195	Roadway	Arlandria/Del Ray/ Lynhaven/Potomac Yard Roadway, Bike/Ped, Improvements	Traffic improvements for the intersection of Mt Vernon Ave and E/W Glebe Rd, including signalization, accommodation for pedestrians and turn lane channelization. Construct improvements at Mt Vernon/Four Mile Rd intersection, including ped/bike improvements; Construct bike/ped bridge over four mile run beween Commonwealth Ave and Eads St; Mt Vernon Ave/Russell Rd intersection safety improvements to accommodate pedestrian and bicyclists, may entail intersection and parking configuration redesign. Construct a pedestrian/bicycle link from the Potomac Yard Trail to connect to the Four Mile Run trail on the south side of Four Mile Run, and to the Mt. Vernon Trail; Oakville Triangle improvement projects

Segment 8-3: I-395/US 1/VRE Fredericksburg/Blue Yellow Line — I-495 to Potomac River

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
47	196	Roadway	West End Alexandria Roadway Improvements	Construct a multimodal bridge from Van Dorn Metro station to Pickett Street; Extend Library Ln North to Connect with Van Dorn St; ellispe at Beauregard and Seminary; Replace shared left/thru turn lanes along NB and SB Van Dorn St with separate left turn lanes; add protected, permissive left turn lane along NB and SB Van Dorn; Widen Van Dorn St Bridge over Duke St to accommodate pedestrians; Replace shared left/thru turn lanes along NB and SB Van Dorn St with separate left turn lanes; Construct new roadway along Fairfax County Line to connect Edsall Rd, S Pickett St, Farrington Ave; Intersection improvements along Van Dorn Street at Eisenhower, Edsall, Pickett; Straightening Eisenhower; New High Street Addition and Bridge as part of Alexandria's Landmark Van Dorn Area Plan
48	199	Transit	New Central/East County to Pentagon/DC OmniRide	Implement new transit route between Central East Prince William County, Pentagon, and downtown DC via the I-95 HOV lanes. Requires 4 additional buses.
49	202	Transit	Metro Station Improvements within the City of Alexandria	Redesign kiss-and-ride and reconfigure bus loading area to accommodate West End Transitway at the Van Dorn Metrorail Station and existing and future developments within the Eisenhower West Small Area Plan. Improvements to the Eisenhower Ave Metrorail Station to accommodate East Eisenhower development, including renovation of existing bus loop, new pedestrian plaza, new bus shelter canopies, and real-time bus arrival info displays.
50	227	Roadway	Widen Eisenhower Avenue	Widen Eisenhower Avenue from 4 to 6 lanes from Mill Road to Holland Lane.
51	229	Roadway	Widen Telegraph Road	Widen Telegraph Road from two lanes to three and four lanes (total) at various segments between Beulah Street and Franconia Road.

Segment 8-3: I-395/US 1/VRE Fredericksburg/Blue Yellow Line — I-495 to Potomac River

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
52	236	Roadway	Reconstruct I-95 interchange at VA 613 Van Dorn Street	Reconstruct I-95 interchange at VA 613 Van Dorn Street.
53	291	Transit	Arlington mobility hubs	Develop a system of coordinated mobility hubs along major corridors to fully integrate transit, bikesharing, carsharing, ridesharing, pedestrians, bicycling, ride hailing and other shared use services;
54	292	Transit	Off-vehicle fare collection	Develop a system of off board fare collections for ART and WMATA buses.
55	293	Transit	ART Bus Parking and Heavy Maintenance Facility	Construct a bus heavy maintenance facility for Arlington Transit (ART) buses and provide additional spaces for ART bus parking.
56	296	Roadway	14th Street Bridge HOT lanes	DC project to implement HOT on 14th St Bridge
57	297	Transit	Increase off-peak transit service on I-95 Corridor	Add bus trips to the existing service: Lake Ridge-DC, Lake Ridge-Pentagon/Crystal City; Dale City/Potomac Mills-Pentagon/Crystal City; Dale City/Potomac-Mills/Rosslyn/Ballston; Montclar/Dumfries-Pentagon/DC; Montclair/Dumfries-Pentagon; Dale City/Potomac Mills-Mark Center
58	299	Transit	VRE Alexandria-DC Rail Capacity Improvements	Construct fourth track LE to VA Construct fourth track RO to AF Alexandria track 1 access/ Slater's Lane crossover Construct Washington Union Station station/access improvements Construct VRE L'Enfant station/access improvements Construct VRE Crystal City station/access improvements
59	300	Transit	VRE Alexandria Station Improvements	Improve multimodal connectivity and accessibility at the Alexandria Union Station - King Street Metro station through construction of a pedestrian tunnel between the two stations; platform expansion and access improvements at VRE station

Segment 8-3: I-395/US 1/VRE Fredericksburg/Blue Yellow Line — I-495 to Potomac River

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
60	301	Transit	VRE Manassas Line Rail Capacity Enhancements	Phase 1: Increase frequencies to 20 min in peak period. In support of this improvement: a. Construct track capacity enhancements (additional track and capacity improvements) from Alexandria/AF to Manasss Line terminus, including existing Broad Run VRE station. b. Purchase additional rolling stock in support of 8-car trains and peak service improvements (TIP reflects purchases for 8-car trains in peak hour, additional needed beyond CLRP commitment). c. Construct/expand VRE equipment storage and maintenance facilities in Manassas and midday storage in Washington, D.C. d. Construct station/platform, parking and access improvements at VRE Manassas Line stations, including expand existing Broad Run VRE station/parking/access. e. Improve information sharing through ITS/TSM enhancements for improved communications. Rail improvements in support of I-81 / US-29 Intercity Passenger Rail (DRPT/AMTRAK)
61	317	Transit	Pentagon City Metrorail 2nd Entrance	Construct 2nd elevator entrance adjacent to Fashion Center Mall
62	318	Transit	Shirlington Bus Station Expansion	Addition of new bus bays at the Shirlington Bus Station
63	319	Transit	Crystal City Bus Improvements	Improving bus circulation, operations, and safety in the Crystal City area.

Segment 8-3: I-395/US 1/VRE Fredericksburg/Blue Yellow Line — I-495 to Potomac River

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
64	324	Transit	Fredericksburg Line Service Expansion	Implement VRE service improvements on the Fredericksburg line to reduce headways to 20 min in peak period. In support of this improvement: a. Purchase additional rolling stock in support of 8-car trains and peak service improvements (TIP reflects purchases for 8-car trains in peak hour, additional needed beyond CLRP commitment). b. Construct/expand VRE equipment storange and maintenance facilities in Fredericksburg and midday storage in Washington, D.C. c. Construct station/platform, parking and access improvements at VRE Fredericksburg Line stations d. Improve information sharing through ITS/TSM enhancements for improved communications.
65	325	Transit	Fredericksburg Line Peak Period Service Expansion	Improve frequencies to 15-min. peak period and new reverse peak period sevice. In support of this improvement: a. Purchase additional rolling stock b. Construct/expand VRE equipment storage and maintenance facilities c. Rail Line capacity improvements d. Station/Parking Access improvements e. ITS/TSM improvements.
66	326	Transit	Manassas Line Peak Period Service Expansion	Improve frequencies to 15-min. peak period and new reverse peak period sevice. In support of this improvement: a. Purchase additional rolling stock b. Construct/expand VRE equipment storage and maintenance facilities c. Rail Line capacity improvements d. Station/Parking Access improvements e. ITS/TSM improvements.
67	331	Transit	Tysons Express Bus	Implement express bus service between Tysons and Huntington Metro, and Tysons and Franconia-Springfield Metro.
68	339	ITS/ICM	I-95 ITS/ICM Improvements	Implement intelligent transportation systems, adaptive traffic control, and hard shoulder lanes on I-95

Segment 8-3: I-395/US 1/VRE Fredericksburg/Blue Yellow Line — I-495 to Potomac River

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
69	340	ITS/ICM	Northern Virginia ITS/ICM Improvements	Implement ITS and integrated corridor management strategies on key regional corridors and parallel facilities in Northern Virginia.
70	341	TDM	Northern Virginia TDM Strategies	Implement and expand TDM initiatives and programs in major employment centers within Northern Virginia
71	343	Transit	VRE Express Service - Fredericksburg Line	Implement peak period express service on VRE Fredericksburg Line: - One express train and three local trains per hour during AM and PM peak periods - Stops at Spotsylvania, Leeland Rd, Woodbridge, Alexandria, Crystal City, L'Enfant, and Union Station
72	344	Transit	VRE Express Service - Manassas Line	Implement peak period express service on VRE Manassas Line: - One express train and three local trains per hour during AM and PM peak periods - Stops at Broad Run, Manassas Park, Burke Centre, Alexandria, Crystal City, L'Enfant, and Union Station
73	352	Transit	ART Service Improvements	Increase ART service on crowded corridors in Arlington County, supported by capacity increases at Heavy Maintenance / Bus Parking facilities
74	353	Transit	Van Dorn Intermodal Facility	Construct Intermodal facility in the vicinity of Van Dorn Metro station to facilitate transfers between Metrorail, West End Transitway, and local transit service.
75	354	Roadway	I-495 Express Lanes - Springfield to Wilson Bridge	Extend I-495 Express Lanes from Springfield across Wilson Bridge into Maryland
76	355	Roadway	I-495 / I-395 Lane Restrictions	Implement lane restrictions for commercial trucks on I-495 and I-395
77	356	Transit	MARC / VRE Crossover Service	Implement MARC Crossover service to Alexandria and points south and west and VRE Crossover service to destinations including New Carrollton, College Park, and points north via Union Station during AM and PM peak hours

Segment 9-1: US 15 — Potomac River to Rt. 7

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
1	11	Transit	West Loudoun "Gateway" Park-and-ride	Construct three new park-and-ride lots in West Loudoun (Hillsboro, Round Hill, and Lucketts)
2	12	Bike/Ped	Leesburg-Alexandria VA 7 Trail	Construct trail along VA 7 from Leesburg to Alexandria
3	61	ITS/ICM	East-West ICM Program: Parallel Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-66 corridor, including the deployment of intelligent signal monitoring/control technology to improve travel on east-west arterial facilities, including US 29, US 50, VA 7, and VA 236.
4	62	ITS/ICM	Connected Vehicle/Traffic Signal Integration Deployment	Traffic signal software integration to support future connected vehicle applications on multiple corridors including: I-66, I-495, US 29, US 50, and VA 7
5	93	Roadway	Interchange at US 15 and Battlefield Pkwy	Construct grade-separated interchange at US 15 (Leesburg Bypass) and Battlefield Parkway
6	109	Transit	Loudoun County Phase III Bus Service	Implement Phase III bus service in Loudoun County, including local, express, intercounty, commuter, and demand-response services
7	129	Roadway	VA 7 Widening, Battlefield Pkwy to Leesburg ECL	Widen VA 7 from 6 to 8 lanes between Battlefield Pkwy and Leesburg ECL
8	130	Roadway	Route 15 Bypass / Edwards Ferry Road Interchange	Construct a grade-separated interchange at the Route 15 Leesburg Bypass and Edwards Ferry Rd in Leesburg. Includes grade separated interchange at For Evans Rd intersection
9	157	Roadway	Widen/Extend Battlefield Parkway	Widen Battlefield Pkwy to six lanes from Edwards Ferry Rd to US 15 (South King Street opposite Meade Drive).
10	162	Roadway	Widen VA 7, Leesburg Bypass to Atlantic Blvd (Harry Byrd Highway/East Market Street)	Widen VA 7 (Harry Byrd Highway) to 8 lanes between US 15 (Leesburg Bypass) and Atlantic Blvd (VA 1902). Study of alternative uses (bus lanes, HOV) to be considered for segment between VA 28 and Leesburg Bypass.
11	190	Roadway	Widen US 15	Widen US 15 to 4 lanes from Battlefield Pkwy interchange to VA 740 (Tutt Lane)

Segment 9-1: US 15 — Potomac River to Rt. 7

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
12	192	Roadway	Construct interchange, VA 7 at Battlefield Pkwy	Construct grade-separated interchange, VA 7 at Battlefield Pkwy
13	286	Roadway	Route 15 Congestion Mitigation Improvements	Implement congestion mitigation improvements, including roundabouts and reduction of left turning movements, on Route 15 north of Leesburg
14	303	Roadway	Leesburg Bypass	Widen VA 7/US 15 to 6 lanes (limited access) from the East Market Street interchange to the US 15 interchange.
15	304	Roadway	VA 7 "hot spot" and safety improvements	"Hot Spot" and safety improvements on VA 7 from the Fairfax County Line to the Clarke County Line, as directed by the Board.
16	307	Roadway	US 15 "hot spot" and safety improvements	"Hot Spot" and safety improvements on US 15 from the Prince William County Line to the Maryland State Line, as directed by the Board.
17	309	Roadway	Extend Russell Branch Parkway (Leesburg)	Extend Russell Branch Parkway (Leesburg) from Cochran Mill Road (VA 653) to Trailview Blvd: Construct a 4-lane roadway.
18	340	ITS/ICM	Northern Virginia ITS/ICM Improvements	Implement ITS and integrated corridor management strategies on key regional corridors and parallel facilities in Northern Virginia.
19	341	TDM	Northern Virginia TDM Strategies	Implement and expand TDM initiatives and programs in major employment centers within Northern Virginia

Segment 9-2: US 15 — Rt. 7 to I-66

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
1	12	Bike/Ped	Leesburg-Alexandria VA 7 Trail	Construct trail along VA 7 from Leesburg to Alexandria
2	14	Transit	Transit Connections to Silver Line Phase II Stations	Expand bus service and connections to Silver Line Phase II stations. Provide feeder bus service between Metrorail and P&R lots. Purchase buses for new service.
3	61	ITS/ICM	East-West ICM Program: Parallel Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-66 corridor, including the deployment of intelligent signal monitoring/control technology to improve travel on east-west arterial facilities, including US 29, US 50, VA 7, and VA 236.
4	62	ITS/ICM	Connected Vehicle/Traffic Signal Integration Deployment	Traffic signal software integration to support future connected vehicle applications on multiple corridors including: I-66, I-495, US 29, US 50, and VA 7
5	109	Transit	Loudoun County Phase III Bus Service	Implement Phase III bus service in Loudoun County, including local, express, intercounty, commuter, and demand-response services
6	128	Roadway	Widen Route 15, Harmony Church Rd to Mason Lane	Widen Route 15 to four lanes from Harmony Church Rd to Mason Lane
7	129	Roadway	VA 7 Widening, Battlefield Pkwy to Leesburg ECL	Widen VA 7 from 6 to 8 lanes between Battlefield Pkwy and Leesburg ECL
8	155	Roadway	Construct Airport Area Connector	Construct Airport Area Connector between Battlefield Pkwy and Crosstail Blvd (VA 653) just east of VA 267: Construct 4 lanes.
9	157	Roadway	Widen/Extend Battlefield Parkway	Widen Battlefield Pkwy to six lanes from Edwards Ferry Rd to US 15 (South King Street opposite Meade Drive).
10	162	Roadway	Widen VA 7, Leesburg Bypass to Atlantic Blvd (Harry Byrd Highway/East Market Street)	Widen VA 7 (Harry Byrd Highway) to 8 lanes between US 15 (Leesburg Bypass) and Atlantic Blvd (VA 1902). Study of alternative uses (bus lanes, HOV) to be considered for segment between VA 28 and Leesburg Bypass.

Segment 9-2: US 15 — Rt. 7 to I-66

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
11	167	Roadway	Widen VA 7, W Market St to Charles Town Pike	Widen VA 7 (Harry Byrd Highway) from 4 to 8 lanes between West Market St (VA 7 business) and Charles Town Pike (VA 9). Construct grade-separated interchange at White Gate Place and remove all remaining at-grade access.
12	179	Roadway	Widen Evergreen Mills Rd from VA 621 Relocated to Battlefield Pkwy	Widen Evergreen Mills Rd (VA 621) from 2 to 4 lanes between Shreveport Dr (VA 621 Relocated) and Battlefield Pkwy.
13	180	Roadway	Widen Evergreen Mills Rd from Battlefield Pkwy to US 15 (South King Street)	Widen Evergreen Mills Rd (VA 621) ftom 2 to 4 lanes between Battlefield Pkwy and US 15 (South King St).
14	182	Roadway	Widen Sycolin Rd	Widen Sycolin Rd (VA 625) to 4 lanes between Belmont Ridge Rd (VA 659) and Battlefield Pkwy. Realign Sycolin Rd to accommodate expansion of Leesburg Airport**.
15	192	Roadway	Construct interchange, VA 7 at Battlefield Pkwy	Construct grade-separated interchange, VA 7 at Battlefield Pkwy
16	302	Roadway	Leesburg Bypass	Widen VA 7 to 6 lanes (limited access) from US 15 King St to West Market Street interchange.
17	303	Roadway	Leesburg Bypass	Widen VA 7/US 15 to 6 lanes (limited access) from the East Market Street interchange to the US 15 interchange.
18	304	Roadway	VA 7 "hot spot" and safety improvements	"Hot Spot" and safety improvements on VA 7 from the Fairfax County Line to the Clarke County Line, as directed by the Board.
19	307	Roadway	US 15 "hot spot" and safety improvements	"Hot Spot" and safety improvements on US 15 from the Prince William County Line to the Maryland State Line, as directed by the Board.
20	309	Roadway	Extend Russell Branch Parkway (Leesburg)	Extend Russell Branch Parkway (Leesburg) from Cochran Mill Road (VA 653) to Trailview Blvd: Construct a 4-lane roadway.
21	313	Transit	Transit buses purchase	Purchase of buses in support of Loudoun County's transit services.
22	314	Roadway	US 50 Improvements	Improvements along US 50 (John Mosby Highway/Washington Street) from the Fairfax County Line to the Fauquier County Line.

Segment 9-2: US 15 — Rt. 7 to I-66

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
23	340	ITS/ICM	Northern Virginia ITS/ICM Improvements	Implement ITS and integrated corridor management strategies on key regional corridors and parallel facilities in Northern Virginia.
24	341	TDM	Northern Virginia TDM Strategies	Implement and expand TDM initiatives and programs in major employment centers within Northern Virginia
25	345	Roadway	Route 7 Reversible Lanes	Construct reversible lanes on VA-7 Leesburg Bypass between the Greenway Toll Road and VA-9

Segment 9-3: US 15 — US 50 to US 29

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
1	61	ITS/ICM	East-West ICM Program: Parallel Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-66 corridor, including the deployment of intelligent signal monitoring/control technology to improve travel on east-west arterial facilities, including US 29, US 50, VA 7, and VA 236.
2	62	ITS/ICM	Connected Vehicle/Traffic Signal Integration Deployment	Traffic signal software integration to support future connected vehicle applications on multiple corridors including: I-66, I-495, US 29, US 50, and VA 7
3	92	Roadway	US 15 Widening Prince William, Rt 234 to Loudoun County line	Widen US 15 from two to four lanes between VA 234 and the Loudoun County line.
4	247	Roadway	Construct Haymarket Bypass, VA 29 to US 15	Construct PWC portion of Haymarket Bypass from Old Carolina Rd to US 15
5	249	Roadway	Widen I-66, Prince William County	Widen I-66 to eight lanes between Fauquier CL and Antioch Bridge Rd
6	250	Roadway	Widen US 15, Haymarket TL to US 29	Widen US 15 James Madison Highway to four lanes from Haymarket TL to US 29. Project improvements implemented in conjunction with Railroad Overpass.
7	252	Roadway	Widen John Marshall Hgwy, Thoroughfare Rd to US 29	Widen John Marshall Hwy from two to four lanes between Thoroughfare Rd (excluding Town of Haymarket) and Catharpin Rd and from four to six lanes between Catharpin Rd and Lee Hwy
8	253	Roadway	Widen US 29 Lee Highway, US 15 to Virginia Oaks Dr	Widen US 29 Lee Highway,to six lanes between US 15 and Virginia Oaks Drive
9	255	Roadway	Widen McGraws Corner Dr, Thoroughfare Rd to US 29	Widen McGraws Corner Dr to four lanes between Thoroughfare Rd and US 29
10	260	Roadway	Widen Old Carolina Rd, Heathcote Blvd to US 29	Widen Old Carolina Rd to four lanes, Heathcote Blvd to US 29
11	268	Roadway	Widen Sudley Rd, US 15 to US 29	Widen Sudley Rd to four lanes, US 15 James Madison Highway to US 29 Lee Highway
12	272	Roadway	Widen Thoroughfare Rd, US 15 to McGraws Corner Dr	Widen Thoroughfare Rd to four lanes, US 15 to McGraws Corner Dr
13	298	Transit	Implement new OmniLink service	Implement new OmniLink routes: Innovation-to-Gainesville/Haymarket; Innovation-to-Manassas; Montclair local

Segment 9-3: US 15 — US 50 to US 29

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
14	307	Roadway	US 15 "hot spot" and safety improvements	"Hot Spot" and safety improvements on US 15 from the Prince William County Line to the Maryland State Line, as directed by the Board.
15	314	Roadway	US 50 Improvements	Improvements along US 50 (John Mosby Highway/Washington Street) from the Fairfax County Line to the Fauquier County Line.
16	315	Transit	I-66 Corridor Park & Ride Prince William	Construct new park & ride lots along the I-66 corridor in Prince William at *Dominion, ***Innovation, ***James Madison Arrowleaf, ***Linton Hall School, and ***Yorkshire. Expand existing P&R capacity at *Limestone Drive and *Manassas Mall/Sears.
17	329	Roadway	Route 15 Improvements with Railroad Overpass	Project will widen Route 15 from 2 to 4 lanes and build an overpass over the existing Norfolk Southern Railway (NS) B-Line tracks. The project extends about 1000' north of the tracks and extends approximately 1200' south of the tracks
18	340	ITS/ICM	Northern Virginia ITS/ICM Improvements	Implement ITS and integrated corridor management strategies on key regional corridors and parallel facilities in Northern Virginia.

Segment 10-1: Braddock Road/VRE Manassas — Rt. 28 to I-495

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
1	27	Roadway	VA 28 Widening, I-66 to Loudoun	Widen VA 28 to 10 lanes between I-66 and Loudoun County (8 GP + 2 HOV)
2	28	Roadway	VA 28 / New Braddock Rd Interchange	Construct an interchange at VA 28 and New Braddock Road
3	31	Roadway	VA 28 Widening, US 29 to Prince William Cty Line	Widen VA 28 to six lanes between Prince William County Line and U.S. 29
4	32	Transit	VA 28 LRT/BRT	Construct LRT / BRT line parallel to VA 28 from Manassas to Dulles Airport
5	33	Bike/Ped	VA 28 Trail	Construct a shared used path on both sides of VA 28 from Prince William County line to Dulles Toll Road
6	38	Roadway	Fairfax County Pkwy HOV Widening (Franconia)	Widen Fairfax County Pkwy by adding HOV lanes from Franconia Springfield Pkwy to I-66
7	40	Roadway	Rolling Rd Widening	Widen Rolling Rd to four lanes between Hunter Village Dr and Old Keene Mill Rd
8	41	Roadway	Fairfax County Pkwy Widening	Widen Fairfax County Pkwy to six lanes from VA 123 to Sydenstricker Rd
9	42	Transit	Fairfax County Pkwy Priority Bus Service	Implement priority bus service on Fairfax County Parkway between Herndon/Monroe Metrorail station and Ft. Belvoir
10	43	Roadway	Route 286 Widening Fairfax County Parkway Widening (VA 123 to US 29)	Widen Fairfax County Parkway from VA 123 (Ox Rd) to US 29 (Lee Highway) from four lanes to six lanes. Construct a grade-separated interchange at the intersection of the Fairfax County Parkway and Popes Head Road, with shared used paths on both sides.
11	44	Roadway	Shirley Gate Road Extension	Extend Shirley Gate Road from Braddock Rd to Fairfax County Parkway
12	45	Transit	Vienna Metro Feeder Bus Service Expansion	Add new routes* and improve service levels on existing routes that serve the Vienna Metrorail station
13	48	Transit	Extend High Capacity Transit to Centreville	Extend High Capacity transit from Metrorail to Centreville Potential modes include LRT, BRT, or improved bus service on corridor between stations. Construction of stations and PNR lots at Centreville, Stringfellow, and Government Center / Fair Oaks, and a station serving the City of Fairfax.

Segment 10-1: Braddock Road/VRE Manassas — Rt. 28 to I-495

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
14	52	Roadway	Stone Road Overpass over I-66 from Route 29 to Route 28	Construct 4-lane divided road between Stone Road at Route 29 and New Braddock Road, including bridges over I-66 and Big Rocky Run and a shared use path
15	55	Bike/Ped	US 29 trail	Construct a trail along US 29 from Dixie Hill Rd to EFC Metrorail Station
16	56	Roadway	Widen VA 123, Fairfax to Vienna	Widen VA 123 to six lanes between City of Fairfax and Town of Vienna
17	61	ITS/ICM	East-West ICM Program: Parallel Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-66 corridor, including the deployment of intelligent signal monitoring/control technology to improve travel on east-west arterial facilities, including US 29, US 50, VA 7, and VA 236.
18	62	ITS/ICM	Connected Vehicle/Traffic Signal Integration Deployment	Traffic signal software integration to support future connected vehicle applications on multiple corridors including: I-66, I-495, US 29, US 50, and VA 7
19	64	Roadway	Van Dorn St - Franconia Rd Interchange	Construct interchange at VA 613 (Van Dorn Street) and VA 644 (Franconia Road)
20	65	Transit	Duke Street Transitway	Construct a four-mile segment of the high-capacity transitway on Duke Street within Alexandria. Reconstruct Duke Street from Wheeler Ave to Jordan St w/ a center left-turn lane. Construct bicycle and pedestrian improvements along corridor. The first phase would create dedicated transit lanes in existing six-lane sections of Duke Street between Landmark Mall and Jordan Street and between Roth Street and Diagonal Road. Between Jordan Street and Roth Street, transit would operate in mixed flow.
21	68	Roadway	Little River Turnpike Widening	Widen Little River Turnpike (VA 236) from 4 to 6 lanes between City of Fairfax and I-395
22	70	Roadway	I-495 HOV Lanes	Implement HOV lanes on I-495 between I-395 and the Woodrow Wilson Bridge

Segment 10-1: Braddock Road/VRE Manassas — Rt. 28 to I-495

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
23	78	Transit	DASH Transit Service Enhancements and Expansion	DASH Transit Service Enhancements: including new cross-town services and funding for additional buses to expand service on existing and new routes, circulators and trolleys within and between activity centers and expand bus storage and maintenance facilities; also includes transit stop improvements (bus shelters, real time information signs, bus stop benches, pads for ADA); upgrade to new and/or upgraded regional fare system including new fare collection technology; Provide transit service connection between Eisenhower Metrorail Station and King Street Metrorail Station; Provide transit service connection between Van Dorn Metrorail Station and the Landmark Mall vicinity; Provide east-west transit service between Braddock Rd Metrorail Station and Old Town / King St. Metrorail Station .
24	79	Transit	West End Transitway	Construct a four-mile segment of the dedicated bus lanes between the Van Dorn Metro station and Arlington County. This project will also provide pedestrian and bike facilities in the corridor
25	90	Transit	Fredericksburg Line Rail Capacity Improvements	Add a third track between AF and the VRE Crossroads Yard south of Fredericksburg.

Segment 10-1: Braddock Road/VRE Manassas — Rt. 28 to I-495

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
26	91	ITS/ICM	I-95/I-395 ICM Program	I-95/I-395 ICM Program: -Multimodal Traveler Information: Integration of roadway, transit, and parking information. -Dynamic Ramp Metering: Upgrade of existing ramp metering system. -Parallel Arterial Operations Improvements: Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-95 corridor (including US 1 and Telegraph Rd) -Parking Management: Expansion of pilot program to additional PNR lots. -Decision Support System: Software system to support corridor management activities across multiple facilities and modes.
27	94	Roadway	VA 123/Braddock Rd Interchange	Construct an interchange at VA 123 and Braddock Rd
28	95	Roadway	VA 123 Widening, Braddock Rd to Fairfax	Widen VA 123 to six lanes between City of Fairfax and Braddock Rd
29	96	Roadway	Braddock Rd Widening, Ox Road to Fairfax County Pkwy	Widen Braddock Rd to six lanes from Ox Rd to VA 286
30	98	Transit	VA 236 Bus Priority, Alexandria to Fairfax	Implement bus priority service on VA 236 between Alexandria and Fairfax.
31	99	Transit	VA 123 Priority Bus Service	Add bus priority service on VA 123 to serve Tysons.
32	100	Transit	Metrorail Fleet Expansion	Expand Metrorail fleet to enable operations of 100 percent eight-car trains during peak period. Expansion, upgrades, and replacements of the rail car fleet, traction power substations, power cabling, third rail, train control systems, and storage facilities.

Segment 10-1: Braddock Road/VRE Manassas — Rt. 28 to I-495

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
33	103	ITS/ICM	Arlington ITS Projects	Implement intelligent transportation systems and adaptive traffic control system on regional corridors within Arlington County, including: - Enhancement of Traffic System and Technology to a Smart Traffic Signal system; - Installation of Intelligent Transportation System (ITS) and corresponding Adapative Traffic Control System program on US 29 Lee Highway to better manage traffic flow. Includes additional Bluetooth devices, count stations, CCTV cameras, and FLIR detectors and upgraded signals for better-timed connection with I-66; - Reconstruction of traffic signals to meet current standards, including upgrade from span wire to mast arm
34	105	Transit	Metrobus Priority Corridor Network Plan	PCN Improvements will include improved transit signal priority and exclusive bus lanes, increased frequency and span of service. Improved customer information, expanded fare payment options, enhanced bus stops and facilities. Metrobus service improvements on these routes: CC-PY{9A, E, S, X}; Leesburg Pike{28A, 28X, 28F, G, T}; Little River Tpke/Duke St{29K, N, 29C, E, H}
35	108	Transit	Metrorail Real-Time Parking Info	Deployment of real-time parking information signage at WMATA rail stations
36	110	Transit	South County Feeder Bus Service	Improve service levels on bus routes serving Richmond Highway, Kingstowne, and Springfield
37	113	ITS/ICM	Alexandria ITS Projects	Funding for transportation technologies to improve system efficiencies in the City of Alexandria, Real-Time Adaptive Control and Data Management System - Build out and improve Traffic Signal System with fiber-optics; transit signal priority

Segment 10-1: Braddock Road/VRE Manassas — Rt. 28 to I-495

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
38	115	Transit	VRE Fredericksburg and Manassas Line Off-peak Service	Run bi-hourly trains during midday period between peaks on both Manassas and Fredericksburg Lines
39	127	Transit	Blue and Yellow Line Bus Facility Improvements	Expand and improve bus bays, passenger facilities, and bus circulation and access paths at all Yellow and Blue Line stations and transit centers in the I-395/ US-1 corridor
40	134	Roadway	Fairfax Boulevard Multimodal Improvements	Implement multimodal improvements and improve local connections along Fairfax Boulevard. Enhance transit, ped-bike and roadway facilities and infrastructure.
41	135	Roadway	Jermantown Rd Multimodal Improvements	Implement multimodal improvements and improve local connections along Jermantown Rd.Enhance transit, ped-bike and roadway facilities and infrastructure. Includes widening of Jermantown Road to four lanes south of the I-66 bridge as well as extension of Government Center Parkway. May include participation with Fairfax County on widening of bridge over I-66.
42	136	Roadway	VA 123 Multimodal Improvements	Implement multimodal improvements, improve intersections and local connections, and improve transit service along VA 123. Enhance transit, ped-bike and roadway facilities and infrastructure.
43	137	Roadway	Old Lee Highway Multimodal Improvements	Implement multimodal improvements along Old Lee Highway. Enhance transit, ped-bike and roadway facilities and infrastructure.
44	138	Bike/Ped	Fairfax Citywide Bike-Ped Access	Improve on- and off-road bike and pedestrian facilities, routes, and infrastructure along and adjacent to City of Fairfax corridors to provide better access to Metrorail and regional trails. Expand bikeshare, bike storage, and signage. Includes the extension of the George Snyder Trail.

Segment 10-1: Braddock Road/VRE Manassas — Rt. 28 to I-495

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
45	142	Transit	Transit Enhancements, City of Fairfax	Upgrade and construct transit stops and shelters on CUE routes with improved facilities, design, technology, and/or ped-bike access. Expand transit service and purchase additional buses.
46	193	Transit	Alexandria Bus Network ITS	Install Automatic Vehicle Location (AVL) technology on DASH bus to provide real-time arrival info, computer-aided dispatch, automated passenger counters (APC) and automated garage mapping system.
47	196	Roadway	West End Alexandria Roadway Improvements	Construct a multimodal bridge from Van Dorn Metro station to Pickett Street; Extend Library Ln North to Connect with Van Dorn St; ellispe at Beauregard and Seminary; Replace shared left/thru turn lanes along NB and SB Van Dorn St with separate left turn lanes; add protected, permissive left turn lane along NB and SB Van Dorn; Widen Van Dorn St Bridge over Duke St to accommodate pedestrians; Replace shared left/thru turn lanes along NB and SB Van Dorn St with separate left turn lanes; Construct new roadway along Fairfax County Line to connect Edsall Rd, S Pickett St, Farrington Ave; Intersection improvements along Van Dorn Street at Eisenhower, Edsall, Pickett; Straightening Eisenhower; New High Street Addition and Bridge as part of Alexandria's Landmark Van Dorn Area Plan
48	199	Transit	New Central/East County to Pentagon/DC OmniRide	Implement new transit route between Central East Prince William County, Pentagon, and downtown DC via the I-95 HOV lanes. Requires 4 additional buses.
49	200	Transit	New Manassas to Dulles OmniRide	Implement new transit service from Manassas to Dulles Aiport via Route 28. Requires additional 4 buses.
50	201	Transit	New Gainesville / Haymarket to Dulles OmniRide	Implement new transit service from Gainesville and Haymarket to Dulles Airport via I-66 HOV lanes and Route 28. Requires 2 additional buses.

Segment 10-1: Braddock Road/VRE Manassas — Rt. 28 to I-495

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
51	202	Transit	Metro Station Improvements within the City of Alexandria	Redesign kiss-and-ride and reconfigure bus loading area to accommodate West End Transitway at the Van Dorn Metrorail Station and existing and future developments within the Eisenhower West Small Area Plan. Improvements to the Eisenhower Ave Metrorail Station to accommodate East Eisenhower development, including renovation of existing bus loop, new pedestrian plaza, new bus shelter canopies, and real-time bus arrival info displays.
52	210	Roadway	Widen auxiliary lanes along I-495	Widen auxiliary lanes along various segments of I-495 from north of Hemming Ave Underpass to Georgetown Pike. Reconstruct the I-495 auxiliary lane from VA 7 to I-66
53	216	Roadway	Widen US 29, VA 665 to Pickwick Rd	Widen US 29 from 4 to 6 lanes from Waples Mill Rd to Pickwick Road
54	218	Roadway	Widen VA 123, Hooes Rd to Braddock Road	Widen VA 123 Ox Road from 4 to 6 lanes between Hooes Road and Braddock Rd
55	230	Roadway	Construct/widen New Braddock Road	Construct/widen New Braddock Road from 0/2 lanes to 4 lanes from VA 28 to US 29 at VA 662 (Stone Road).
56	236	Roadway	Reconstruct I-95 interchange at VA 613 Van Dorn Street	Reconstruct I-95 interchange at VA 613 Van Dorn Street.
57	273	Roadway	Godwin Drive Extension	Construct four lane extension of Godwin Drive between Sudley Rd and Route 28 between Bull Run and Compton Rd. Construct grade-separated interchanges at Lomond Dr and Sudley Rd
58	293	Transit	ART Bus Parking and Heavy Maintenance Facility	Construct a bus heavy maintenance facility for Arlington Transit (ART) buses and provide additional spaces for ART bus parking.
59	297	Transit	Increase off-peak transit service on I-95 Corridor	Add bus trips to the existing service: Lake Ridge-DC, Lake Ridge-Pentagon/Crystal City; Dale City/Potomac Mills-Pentagon/Crystal City; Dale City/Potomac-Mills/Rosslyn/Ballston; Montclar/Dumfries-Pentagon/DC; Montclair/Dumfries-Pentagon; Dale City/Potomac Mills-Mark Center

Segment 10-1: Braddock Road/VRE Manassas — Rt. 28 to I-495

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
60	301	Transit	VRE Manassas Line Rail Capacity Enhancements	Phase 1: Increase frequencies to 20 min in peak period. In support of this improvement: a. Construct track capacity enhancements (additional track and capacity improvements) from Alexandria/AF to Manasss Line terminus, including existing Broad Run VRE station. b. Purchase additional rolling stock in support of 8-car trains and peak service improvements (TIP reflects purchases for 8-car trains in peak hour, additional needed beyond CLRP commitment). c. Construct/expand VRE equipment storage and maintenance facilities in Manassas and midday storage in Washington, D.C. d. Construct station/platform, parking and access improvements at VRE Manassas Line stations, including expand existing Broad Run VRE station/parking/access. e. Improve information sharing through ITS/TSM enhancements for improved communications. Rail improvements in support of I-81 / US-29 Intercity Passenger Rail (DRPT/AMTRAK)

Segment 10-1: Braddock Road/VRE Manassas — Rt. 28 to I-495

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
61	324	Transit	Fredericksburg Line Service Expansion	Implement VRE service improvements on the Fredericksburg line to reduce headways to 20 min in peak period. In support of this improvement: a. Purchase additional rolling stock in support of 8-car trains and peak service improvements (TIP reflects purchases for 8-car trains in peak hour, additional needed beyond CLRP commitment). b. Construct/expand VRE equipment storange and maintenance facilities in Fredericksburg and midday storage in Washington, D.C. c. Construct station/platform, parking and access improvements at VRE Fredericksburg Line stations d. Improve information sharing through ITS/TSM enhancements for improved communications.
62	325	Transit	Fredericksburg Line Peak Period Service Expansion	Improve frequencies to 15-min. peak period and new reverse peak period sevice. In support of this improvement: a. Purchase additional rolling stock b. Construct/expand VRE equipment storage and maintenance facilities c. Rail Line capacity improvements d. Station/Parking Access improvements e. ITS/TSM improvements.
63	326	Transit	Manassas Line Peak Period Service Expansion	Improve frequencies to 15-min. peak period and new reverse peak period sevice. In support of this improvement: a. Purchase additional rolling stock b. Construct/expand VRE equipment storage and maintenance facilities c. Rail Line capacity improvements d. Station/Parking Access improvements e. ITS/TSM improvements.
64	330	Transit	Fairfax County Express Bus, Reston / Franconia-Springfield	Implement express bus service along VA 286 Fairfax County Parkway between Reston Metro and Franconia-Springfield Metro
65	331	Transit	Tysons Express Bus	Implement express bus service between Tysons and Huntington Metro, and Tysons and Franconia-Springfield Metro.

Segment 10-1: Braddock Road/VRE Manassas — Rt. 28 to I-495

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
66	336	Roadway	Braddock Road Intersection Improvements: Guinea Road to Ravensworth Road	Task Force voted to improve selected intersection only from Guinea Road to Ravensworth Road . Project includes access mgmt, intersection improvements, signalization, and pedestrian improvements
67	337	Roadway	Fairfax County Parkway / Shirley Gate Extension Interchange	Construct grade-separated interchange at Fairfax County Parkway and extension of Shirley Gate Dr
68	339	ITS/ICM	I-95 ITS/ICM Improvements	Implement intelligent transportation systems, adaptive traffic control, and hard shoulder lanes on I-95
69	340	ITS/ICM	Northern Virginia ITS/ICM Improvements	Implement ITS and integrated corridor management strategies on key regional corridors and parallel facilities in Northern Virginia.
70	341	TDM	Northern Virginia TDM Strategies	Implement and expand TDM initiatives and programs in major employment centers within Northern Virginia
71	343	Transit	VRE Express Service - Fredericksburg Line	Implement peak period express service on VRE Fredericksburg Line: - One express train and three local trains per hour during AM and PM peak periods - Stops at Spotsylvania, Leeland Rd, Woodbridge, Alexandria, Crystal City, L'Enfant, and Union Station
72	344	Transit	VRE Express Service - Manassas Line	Implement peak period express service on VRE Manassas Line: - One express train and three local trains per hour during AM and PM peak periods - Stops at Broad Run, Manassas Park, Burke Centre, Alexandria, Crystal City, L'Enfant, and Union Station
73	347	Roadway	VA-28 Reversible HOV Lanes	Implement reversible HOV lanes on VA-28 between I-66 and the Dulles Toll Road during AM and PM peak periods
74	350	Transit	US 29 BRT	Implement BRT service on US 29 Lee Highway in a dedicated lane where facility is six lanes.
75	353	Transit	Van Dorn Intermodal Facility	Construct Intermodal facility in the vicinity of Van Dorn Metro station to facilitate transfers between Metrorail, West End Transitway, and local transit service.

Segment 10-1: Braddock Road/VRE Manassas — Rt. 28 to I-495

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
76	354	Roadway	I-495 Express Lanes - Springfield to Wilson Bridge	Extend I-495 Express Lanes from Springfield across Wilson Bridge into Maryland
77	355	Roadway	I-495 / I-395 Lane Restrictions	Implement lane restrictions for commercial trucks on I-495 and I-395
78	357	Roadway	Braddock Rd Widening, VA-28 to County Line	Widen Braddock Rd to four lanes between VA-28 and the Fairfax County Line
79	358	Roadway	Euclid Avenue Extension	Extend four lane Euclid Avenue north from Prescott Ave to Route 28 south of Bull Run

Segment 10-2: Columbia Pike/Braddock Road — I-495 to Pentagon

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
1	1	Transit	VA 7 Transit: Tysons - Mark Center	Construct Bus Rapid Transit line along VA 7 between Tysons and Mark Center with a connection to East Falls Church Metrorail Station
2	4	Roadway	VA 7 Widening, Seven Corners to Bailey's Crossroads	Widen VA 7 from four to six lanes between Seven Corners and Bailey's Crossroads
3	12	Bike/Ped	Leesburg-Alexandria VA 7 Trail	Construct trail along VA 7 from Leesburg to Alexandria
4	22	Bike/Ped	Bike Lanes Route 7 - Alexandria to Seven Corners	Construct protected bike lanes on both sides of VA 7 between Alexandria and Seven Corner. Connect with City of Falls Church's bicycle network.
5	45	Transit	Vienna Metro Feeder Bus Service Expansion	Add new routes* and improve service levels on existing routes that serve the Vienna Metrorail station
6	46	Roadway	US 50 Widening, City of Fairfax to Arlington County	Widen US 50 inside the Beltway from 4 to 6 lanes from City of Fairfax to Arlington County. The project would include intersection improvements, including signalization improvements, and pedestrian and bike facilities
7	49	Transit	US 29 / US 50 Priority Bus	Implement priority bus service along US 29 and US 50 between Fair Oaks and Washington DC.

Segment 10-2: Columbia Pike/Braddock Road — I-495 to Pentagon

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
8	60	Bike/Ped	Arlington Regional Trail Network	Provide dedicated bike facilities, bikesharing and key sidewalk improvements on north-south corridors in Arlington to connect major east-west corridors with each other. Example corridors includes Carlin Springs Road, Walter Reed Drive/Fillmore Street, Harrison St, Washington Blvd, Rt 110, and others. Network also includes: -Trail parallel to Washington Blvd between Arlington Blvd and Columbia Pike -Rehab of Custis Trail to current VDOT shared used path design and construction specifications in Rosslyn -Extension of Custis Trail north of I-66 betwen Kennebec and Quantico -Long Bridge Park Esplanade extension to Mt Vernon Trail -Arlington Blvd trail -Theodore Roosevelt Bridge connection to Mt Vernon Trail and Marine Corps War Memorial -Dedicated cycling facility along the Route 50 service road (south side), between N. Rhodes St. and N. Meade St. -Expansion of Arlington bicycle commuter routes: Bluemont Junction Trail, Custis
9	61	ITS/ICM	East-West ICM Program: Parallel Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-66 corridor, including the deployment of intelligent signal monitoring/control technology to improve travel on east-west arterial facilities, including US 29, US 50, VA 7, and VA 236.
10	62	ITS/ICM	Connected Vehicle/Traffic Signal Integration Deployment	Traffic signal software integration to support future connected vehicle applications on multiple corridors including: I-66, I-495, US 29, US 50, and VA 7
11	63	Transit	Route 50 Express Bus	Improve Route 50 - Orange Line bus connections.

Segment 10-2: Columbia Pike/Braddock Road — I-495 to Pentagon

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
12	65	Transit	Duke Street Transitway	Construct a four-mile segment of the high-capacity transitway on Duke Street within Alexandria. Reconstruct Duke Street from Wheeler Ave to Jordan St w/ a center left-turn lane. Construct bicycle and pedestrian improvements along corridor. The first phase would create dedicated transit lanes in existing six-lane sections of Duke Street between Landmark Mall and Jordan Street and between Roth Street and Diagonal Road. Between Jordan Street and Roth Street, transit would operate in mixed flow.
13	68	Roadway	Little River Turnpike Widening	Widen Little River Turnpike (VA 236) from 4 to 6 lanes between City of Fairfax and I-395
14	71	Transit	Merrifield-Tysons BRT / LRT	Construct enhanced transit service (BRT/LRT) between Fairfax Hospital in Merrifield to Tysons. Includes 6 lanes (4 GP + 2 Transit) on Gallows Rd.
15	76	Roadway	Crystal City, Pentagon City, Potomac Yard Street Grid Improvements	Construct an improved grid network of streets in Crystal City, Pentagon City, and Potomac Yard

Segment 10-2: Columbia Pike/Braddock Road — I-495 to Pentagon

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
16	78	Transit	DASH Transit Service Enhancements and Expansion	DASH Transit Service Enhancements: including new cross-town services and funding for additional buses to expand service on existing and new routes, circulators and trolleys within and between activity centers and expand bus storage and maintenance facilities; also includes transit stop improvements (bus shelters, real time information signs, bus stop benches, pads for ADA); upgrade to new and/or upgraded regional fare system including new fare collection technology; Provide transit service connection between Eisenhower Metrorail Station and King Street Metrorail Station; Provide transit service connection between Van Dorn Metrorail Station and the Landmark Mall vicinity; Provide east-west transit service between Braddock Rd Metrorail Station and Old Town / King St. Metrorail Station .
17	79	Transit	West End Transitway	Construct a four-mile segment of the dedicated bus lanes between the Van Dorn Metro station and Arlington County. This project will also provide pedestrian and bike facilities in the corridor
18	80	Transit	I-395 Bus Lanes	Construct bus lanes between Pentagon Transit Center and 14th Street using inside shoulders of Rochambeau Memorial Bridge (I-395)
19	82	Transit	Widen Long Bridge	Widen the Long Bridge to 4 tracks to accommodate additional rail capacity for commuter (VRE), intercity (Amtrak, DC2RVA), and freight (CSXT) services.
20	84	Transit	Crystal City Metro Station Multimodal Improvements	Enhance bus docking capacity and passenger facilities at the Crystal City Metro station
21	85	Transit	Crystal City Metro Station Second Entrance	Construct a second entrance to the Crystal City Metro station (near Crystal Drive and 18th Street S) providing connections to Crystal City VRE Station and DCA.

Segment 10-2: Columbia Pike/Braddock Road — I-495 to Pentagon

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
22	86	Bike/Ped	Alexandria Bike and Ped Trails Construction and Reconstruction	Reconstruct Holmes Run Trail from North Ripley Street to I-395; Construct trails along local streets in the Beauregard Street and Van Dorn Street corridor, this facility will provide a north-south connection to the City's Holmes Run Trail, running east west, and connecting bicycle users to Mark Center corridor; Construct pedestrian and bicycle bridge over Holmes Run at Morgan St; Implement and construct projects in the City's Ped Bike Plan; Construct bicycle improvements along Royal St between Jones Point and Bashford St, include signage, traffic calming
23	89	Transit	US 1 BRT	Construct along US 1 BRT with stations at Beacon Hill, Hybla Valley, Fort Belvoir, Penn Daw, Pohick Rd, Woodlawn, and South County Government and with transit transfer centers at Kingman Rd and Fort Belvoir. Includes US 1 widening between VA 235 and I-495.
24	91	ITS/ICM	I-95/I-395 ICM Program	I-95/I-395 ICM Program: -Multimodal Traveler Information: Integration of roadway, transit, and parking information. -Dynamic Ramp Metering: Upgrade of existing ramp metering system. -Parallel Arterial Operations Improvements: Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-95 corridor (including US 1 and Telegraph Rd) -Parking Management: Expansion of pilot program to additional PNR lots. -Decision Support System: Software system to support corridor management activities across multiple facilities and modes.

Segment 10-2: Columbia Pike/Braddock Road — I-495 to Pentagon

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
25	97	Transit	Columbia Pike Priority Transit Network (PrTN)	Provide priority transit service from Skyline to Crystal City via Pentagon City, including limited-stop bus service, improved headways, and 24 transit stations.
26	98	Transit	VA 236 Bus Priority, Alexandria to Fairfax	Implement bus priority service on VA 236 between Alexandria and Fairfax.
27	100	Transit	Metrorail Fleet Expansion	Expand Metrorail fleet to enable operations of 100 percent eight-car trains during peak period. Expansion, upgrades, and replacements of the rail car fleet, traction power substations, power cabling, third rail, train control systems, and storage facilities.
28	101	Bike/Ped	Columbia Pike Corridor urban bike/ped network	Improve bicycle and pedestrian infrastructure in and around the Columbia Pike corridor, including bikeways, bikesharing, and key sidewalk improvements, to convert SOV trips to, within, and between activity center areas from car to bike/pedestrian. Includes parallel bike routes along 9th St, 11th St, and 12th in the vicinity of Columbia Pike.

Segment 10-2: Columbia Pike/Braddock Road — I-495 to Pentagon

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
29	102	Bike/Ped	Arlington TDM Package	Improve and expand the commuter assistance and other programs provided by Arlington County Commuter Services. Includes new commuter stores and next generation IT services, implementation of transportation system management and communication upgrade throughout the County, and improvements to traveler information via creation or expansion of informational, wayfinding, alert, or real-time signs providing information on multimodal transportation options. Develop a system of coordinated mobility hubs along major corridors to fully integrate transit, bikesharing, carsharing, ridesharing, pedestrians, bicycling, ride hailing and other shared use services. Develop, coordinate, implement, and/or expand shared-ride and ride-hailing services for first mile/last mile connections to transit and mobility hubs as well as to activity centers, parking, and pick-up hotspots. Includes support for autonomous vehicles, casual carpooling, on-demand services

Segment 10-2: Columbia Pike/Braddock Road — I-495 to Pentagon

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
30	103	ITS/ICM	Arlington ITS Projects	Implement intelligent transportation systems and adaptive traffic control system on regional corridors within Arlington County, including: - Enhancement of Traffic System and Technology to a Smart Traffic Signal system; - Installation of Intelligent Transportation System (ITS) and corresponding Adapative Traffic Control System program on US 29 Lee Highway to better manage traffic flow. Includes additional Bluetooth devices, count stations, CCTV cameras, and FLIR detectors and upgraded signals for better-timed connection with I-66; - Reconstruction of traffic signals to meet current standards, including upgrade from span wire to mast arm
31	104	Transit	Metro station access and capacity improvements	Construction of station access and capacity improvements at: Rosslyn, Pentagon, Vienna, Foggy Bottom, Farragut West, McPherson Square, Metro Center, L'Enfant Plaza, and Union Station. Also includes station area lighting and customer amenities.
32	105	Transit	Metrobus Priority Corridor Network Plan	PCN Improvements will include improved transit signal priority and exclusive bus lanes, increased frequency and span of service. Improved customer information, expanded fare payment options, enhanced bus stops and facilities. Metrobus service improvements on these routes: CC-PY{9A, E, S, X}; Leesburg Pike{28A, 28X, 28F, G, T}; Little River Tpke/Duke St{29K, N, 29C, E, H}

Segment 10-2: Columbia Pike/Braddock Road — I-495 to Pentagon

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
33	112	Bike/Ped	Crystal City Corridor Urban Ped/Bike Network	Improve bicycle and pedestrian infrastructure in and around Arlington's Blue/Yellow Metro corridor, including bikeways, bikesharing, and key sidewalk improvements, to convert SOV trips to, within, and between Metro station areas from car to bike/pedestrian, and to enable access to/from Metro stations to high-density housing and job centers.
34	113	ITS/ICM	Alexandria ITS Projects	Funding for transportation technologies to improve system efficiencies in the City of Alexandria, Real-Time Adaptive Control and Data Management System - Build out and improve Traffic Signal System with fiber-optics; transit signal priority
35	115	Transit	VRE Fredericksburg and Manassas Line Off-peak Service	Run bi-hourly trains during midday period between peaks on both Manassas and Fredericksburg Lines
36	116	Transit	Implement integrated regional rail service / VRE-MARC run-through service	Implement run-through service by integrating intercity rail service with MARC and AMTRAK
37	117	Transit	Metroway - Pentagon City Extension	Construct extension of Metroway to Pentagon City, which includes reconfiguration of 12th Street S between S Eads St and S Clark St for exclusive transit lanes. Removal of obsolete section of Clark St and realignment of Clark St with Bell St to improve street network. Intersection improvements around 23rd St S and US 1. Implement Complete Street improvements to Army Navy Drive.
38	122	Transit	ART Service Restructuring and Expansion	Purchase of buses in support of Arlington Transit (ART) service restructuring and expansion. Includes implementation of priority bus service on Glebe Road between Marymount University and Potomac Yard Metro via Ballston.
39	127	Transit	Blue and Yellow Line Bus Facility Improvements	Expand and improve bus bays, passenger facilities, and bus circulation and access paths at all Yellow and Blue Line stations and transit centers in the I-395/ US-1 corridor

Segment 10-2: Columbia Pike/Braddock Road — I-495 to Pentagon

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
40	193	Transit	Alexandria Bus Network ITS	Install Automatic Vehicle Location (AVL) technology on DASH bus to provide real-time arrival info, computer-aided dispatch, automated passenger counters (APC) and automated garage mapping system.
41	194	Transit	Landmark Transit Station Improvements	Construct a transit center on the Landmark Mall site, construct transit commuter hub or kiosk at the future West End Transit Center
42	196	Roadway	West End Alexandria Roadway Improvements	Construct a multimodal bridge from Van Dorn Metro station to Pickett Street; Extend Library Ln North to Connect with Van Dorn St; ellispe at Beauregard and Seminary; Replace shared left/thru turn lanes along NB and SB Van Dorn St with separate left turn lanes; add protected, permissive left turn lane along NB and SB Van Dorn; Widen Van Dorn St Bridge over Duke St to accommodate pedestrians; Replace shared left/thru turn lanes along NB and SB Van Dorn St with separate left turn lanes; Construct new roadway along Fairfax County Line to connect Edsall Rd, S Pickett St, Farrington Ave; Intersection improvements along Van Dorn Street at Eisenhower, Edsall, Pickett; Straightening Eisenhower; New High Street Addition and Bridge as part of Alexandria's Landmark Van Dorn Area Plan
43	199	Transit	New Central/East County to Pentagon/DC OmniRide	Implement new transit route between Central East Prince William County, Pentagon, and downtown DC via the I-95 HOV lanes. Requires 4 additional buses.
44	210	Roadway	Widen auxiliary lanes along I-495	Widen auxiliary lanes along various segments of I-495 from north of Hemming Ave Underpass to Georgetown Pike. Reconstruct the I-495 auxiliary lane from VA 7 to I-66

Segment 10-2: Columbia Pike/Braddock Road — I-495 to Pentagon

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
45	291	Transit	Arlington mobility hubs	Develop a system of coordinated mobility hubs along major corridors to fully integrate transit, bikesharing, carsharing, ridesharing, pedestrians, bicycling, ride hailing and other shared use services;
46	292	Transit	Off-vehicle fare collection	Develop a system of off board fare collections for ART and WMATA buses.
47	296	Roadway	14th Street Bridge HOT lanes	DC project to implement HOT on 14th St Bridge
48	297	Transit	Increase off-peak transit service on I-95 Corridor	Add bus trips to the existing service: Lake Ridge-DC, Lake Ridge-Pentagon/Crystal City; Dale City/Potomac Mills-Pentagon/Crystal City; Dale City/Potomac-Mills/Rosslyn/Ballston; Montclar/Dumfries-Pentagon/DC; Montclair/Dumfries-Pentagon; Dale City/Potomac Mills-Mark Center
49	299	Transit	VRE Alexandria-DC Rail Capacity Improvements	Construct fourth track LE to VA Construct fourth track RO to AF Alexandria track 1 access/ Slater's Lane crossover Construct Washington Union Station station/access improvements Construct VRE L'Enfant station/access improvements Construct VRE Crystal City station/access improvements

Segment 10-2: Columbia Pike/Braddock Road — I-495 to Pentagon

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
50	301	Transit	VRE Manassas Line Rail Capacity Enhancements	Phase 1: Increase frequencies to 20 min in peak period. In support of this improvement: a. Construct track capacity enhancements (additional track and capacity improvements) from Alexandria/AF to Manasss Line terminus, including existing Broad Run VRE station. b. Purchase additional rolling stock in support of 8-car trains and peak service improvements (TIP reflects purchases for 8-car trains in peak hour, additional needed beyond CLRP commitment). c. Construct/expand VRE equipment storage and maintenance facilities in Manassas and midday storage in Washington, D.C. d. Construct station/platform, parking and access improvements at VRE Manassas Line stations, including expand existing Broad Run VRE station/parking/access. e. Improve information sharing through ITS/TSM enhancements for improved communications. Rail improvements in support of I-81 / US-29 Intercity Passenger Rail (DRPT/AMTRAK)
51	317	Transit	Pentagon City Metrorail 2nd Entrance	Construct 2nd elevator entrance adjacent to Fashion Center Mall
52	319	Transit	Crystal City Bus Improvements	Improving bus circulation, operations, and safety in the Crystal City area.
53	326	Transit	Manassas Line Peak Period Service Expansion	Improve frequencies to 15-min. peak period and new reverse peak period sevice. In support of this improvement: a. Purchase additional rolling stock b. Construct/expand VRE equipment storage and maintenance facilities c. Rail Line capacity improvements d. Station/Parking Access improvements e. ITS/TSM improvements.
54	331	Transit	Tysons Express Bus	Implement express bus service between Tysons and Huntington Metro, and Tysons and Franconia-Springfield Metro.

Segment 10-2: Columbia Pike/Braddock Road — I-495 to Pentagon

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
55	336	Roadway	Braddock Road Intersection Improvements: Guinea Road to Ravensworth Road	Task Force voted to improve selected intersection only from Guinea Road to Ravensworth Road . Project includes access mgmt, intersection improvements, signalization, and pedestrian improvements
56	340	ITS/ICM	Northern Virginia ITS/ICM Improvements	Implement ITS and integrated corridor management strategies on key regional corridors and parallel facilities in Northern Virginia.
57	341	TDM	Northern Virginia TDM Strategies	Implement and expand TDM initiatives and programs in major employment centers within Northern Virginia
58	343	Transit	VRE Express Service - Fredericksburg Line	Implement peak period express service on VRE Fredericksburg Line: - One express train and three local trains per hour during AM and PM peak periods - Stops at Spotsylvania, Leeland Rd, Woodbridge, Alexandria, Crystal City, L'Enfant, and Union Station
59	344	Transit	VRE Express Service - Manassas Line	Implement peak period express service on VRE Manassas Line: - One express train and three local trains per hour during AM and PM peak periods - Stops at Broad Run, Manassas Park, Burke Centre, Alexandria, Crystal City, L'Enfant, and Union Station
60	352	Transit	ART Service Improvements	Increase ART service on crowded corridors in Arlington County, supported by capacity increases at Heavy Maintenance / Bus Parking facilities
61	355	Roadway	I-495 / I-395 Lane Restrictions	Implement lane restrictions for commercial trucks on I-495 and I-395
62	356	Transit	MARC / VRE Crossover Service	Implement MARC Crossover service to Alexandria and points south and west and VRE Crossover service to destinations including New Carrollton, College Park, and points north via Union Station during AM and PM peak hours

Segment 11-1: US 50 — Fauquier County Line to City of Fairfax

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
1	14	Transit	Transit Connections to Silver Line Phase II Stations	Expand bus service and connections to Silver Line Phase II stations. Provide feeder bus service between Metrorail and P&R lots. Purchase buses for new service.
2	27	Roadway	VA 28 Widening, I-66 to Loudoun	Widen VA 28 to 10 lanes between I-66 and Loudoun County (8 GP + 2 HOV)
3	29	Roadway	Centreville Rd Widening	Widen VA 657 (Centreville Road) to six lanes between Herndon Pkwy and Walney Rd
4	32	Transit	VA 28 LRT/BRT	Construct LRT / BRT line parallel to VA 28 from Manassas to Dulles Airport
5	33	Bike/Ped	VA 28 Trail	Construct a shared used path on both sides of VA 28 from Prince William County line to Dulles Toll Road
6	42	Transit	Fairfax County Pkwy Priority Bus Service	Implement priority bus service on Fairfax County Parkway between Herndon/Monroe Metrorail station and Ft. Belvoir
7	45	Transit	Vienna Metro Feeder Bus Service Expansion	Add new routes* and improve service levels on existing routes that serve the Vienna Metrorail station
8	48	Transit	Extend High Capacity Transit to Centreville	Extend High Capacity transit from Metrorail to Centreville Potential modes include LRT, BRT, or improved bus service on corridor between stations. Construction of stations and PNR lots at Centreville, Stringfellow, and Government Center / Fair Oaks, and a station serving the City of Fairfax.
9	49	Transit	US 29 / US 50 Priority Bus	Implement priority bus service along US 29 and US 50 between Fair Oaks and Washington DC.
10	55	Bike/Ped	US 29 trail	Construct a trail along US 29 from Dixie Hill Rd to EFC Metrorail Station
11	56	Roadway	Widen VA 123, Fairfax to Vienna	Widen VA 123 to six lanes between City of Fairfax and Town of Vienna

Segment 11-1: US 50 — Fauquier County Line to City of Fairfax

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
12	61	ITS/ICM	East-West ICM Program: Parallel Arterial Operations Improvements	Deployment of intelligent signal monitoring/control technology to improve travel on parallel routes in the I-66 corridor, including the deployment of intelligent signal monitoring/control technology to improve travel on east-west arterial facilities, including US 29, US 50, VA 7, and VA 236.
13	62	ITS/ICM	Connected Vehicle/Traffic Signal Integration Deployment	Traffic signal software integration to support future connected vehicle applications on multiple corridors including: I-66, I-495, US 29, US 50, and VA 7
14	65	Transit	Duke Street Transitway	Construct a four-mile segment of the high-capacity transitway on Duke Street within Alexandria. Reconstruct Duke Street from Wheeler Ave to Jordan St w/ a center left-turn lane. Construct bicycle and pedestrian improvements along corridor. The first phase would create dedicated transit lanes in existing six-lane sections of Duke Street between Landmark Mall and Jordan Street and between Roth Street and Diagonal Road. Between Jordan Street and Roth Street, transit would operate in mixed flow.
15	95	Roadway	VA 123 Widening, Braddock Rd to Fairfax	Widen VA 123 to six lanes between City of Fairfax and Braddock Rd
16	98	Transit	VA 236 Bus Priority, Alexandria to Fairfax	Implement bus priority service on VA 236 between Alexandria and Fairfax.
17	99	Transit	VA 123 Priority Bus Service	Add bus priority service on VA 123 to serve Tysons.
18	105	Transit	Metrobus Priority Corridor Network Plan	PCN Improvements will include improved transit signal priority and exclusive bus lanes, increased frequency and span of service. Improved customer information, expanded fare payment options, enhanced bus stops and facilities. Metrobus service improvements on these routes: CC-PY{9A, E, S, X}; Leesburg Pike{28A, 28X, 28F, G, T}; Little River Tpke/Duke St{29K, N, 29C, E, H}

Segment 11-1: US 50 — Fauquier County Line to City of Fairfax

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
19	109	Transit	Loudoun County Phase III Bus Service	Implement Phase III bus service in Loudoun County, including local, express, intercounty, commuter, and demand-response services
20	119	Roadway	Construct Northstar Blvd from Shreveport Dr to US 50	Construct 4 lane Northstar Blvd facility from Shreveport Dr to US 50
21	131	Transit	US 50 Dulles Park and Ride Lot	Construct/expand US 50 Dulles Park and Ride Lot east of Loudoun County Pkwy. Anticipated capacity is 250 spaces.
22	134	Roadway	Fairfax Boulevard Multimodal Improvements	Implement multimodal improvements and improve local connections along Fairfax Boulevard. Enhance transit, ped-bike and roadway facilities and infrastructure.
23	135	Roadway	Jermantown Rd Multimodal Improvements	Implement multimodal improvements and improve local connections along Jermantown Rd.Enhance transit, ped-bike and roadway facilities and infrastructure. Includes widening of Jermantown Road to four lanes south of the I-66 bridge as well as extension of Government Center Parkway. May include participation with Fairfax County on widening of bridge over I-66.
24	136	Roadway	VA 123 Multimodal Improvements	Implement multimodal improvements, improve intersections and local connections, and improve transit service along VA 123. Enhance transit, ped-bike and roadway facilities and infrastructure.
25	137	Roadway	Old Lee Highway Multimodal Improvements	Implement multimodal improvements along Old Lee Highway. Enhance transit, ped-bike and roadway facilities and infrastructure.
26	138	Bike/Ped	Fairfax Citywide Bike-Ped Access	Improve on- and off-road bike and pedestrian facilities, routes, and infrastructure along and adjacent to City of Fairfax corridors to provide better access to Metrorail and regional trails. Expand bikeshare, bike storage, and signage. Includes the extension of the George Snyder Trail.

Segment 11-1: US 50 — Fauquier County Line to City of Fairfax

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
27	139	Roadway	Northfax Network Improvements	Improved connections and circulation for all modes in the Northfax node. Improvements to and along Fairfax Boulevard in the vicinity of the Northfax intersection including ped-bike safety, local access, upgraded infrastructure and new routes. Improve vehicular circulation, access and movements in proximity to the Northfax intersection (Routes 29/50/123). Includes extension of University Drive.
28	141	Roadway	Northfax Intersection Improvements	Geometric improvements to intersection including extension of a 3rd northbound lane on Route 123 from Route 29/50 to Eaton Place, the addition of a dual left turn from southbound Route 123 to eastbound Route 29/50, the correction of substandard existing lane shifts within the project limits, the extension of turn lanes, and access management improvements where feasible. Also includes a new drainage sustem, including a major culvert.
29	142	Transit	Transit Enhancements, City of Fairfax	Upgrade and construct transit stops and shelters on CUE routes with improved facilities, design, technology, and/or ped-bike access. Expand transit service and purchase additional buses.
30	156	Roadway	Construct Arcola Blvd	Construct Arcola Blvd between Loudoun County Pkwy (VA 607) (near intersection of Arcola Rd and Old Ox Rd) and US 50 (John Mosby Highway) - 6 lanes. Construct grade-separated interchanges at Loudoun County Pkwy and US 50.
31	159	Roadway	Widen Dulles West Blvd from VA 606 to VA 659	Widen Dulles West Blvd (formerly Glascock Blvd) from 4 to 6 lanes between Loudoun County Pkwy (VA 606) and Arcola Blvd. Construct a four lane facility between Arcola Blvd and Northstar Blvd (VA 659 relocated).
32	160	Roadway	Extend Dulles West Blvd	Construct Dulles West Blvd (formerly Glascock Blvd) between Northstar Blvd (VA 659 Relocated) and Lenah Loop Rd: Construct a 2-lane roadway.

Segment 11-1: US 50 — Fauquier County Line to City of Fairfax

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
33	165	Roadway	Widen US 50, Northstar Blvd to Lenah Loop Rd	Widen US 50 (John Mosby Highway) to 4 lanes between Northstar Blvd (VA 659 relocated) and Lenah Loop Rd. Construct a new interchange at VA 659 Relocated (Northstar Blvd).
34	168	Roadway	Widen Loudoun County Pkwy, Old Ox Rd to US 50	Widen Loudoun County Parkway to 8 lanes between Old Ox Rd (VA 606) and US 50 (John Mosby Highway). Construct grade-separated interchanges at Old Ox Rd and US 50 and explore other grade-separated interchanges. Study alternative uses (bus lanes, HOV) along the corridor.
35	169	Roadway	Widen Loudoun County Pkwy, US 50 to Braddock Rd	Widen Loudoun County Pkwy from 4 to 6 lanes between US 50 (John Mosby Highway) and Braddock Rd (VA 620) and construct grade-separated interchange at US 50.
36	178	Roadway	Widen Evergreen Mills Rd, VA 606 to VA 659	Widen Evergreen Mills Rd (VA 621) from 2 to 4 lanes between Loudoun County Pkwy (VA 606) and Northstar Blvd (VA 659).
37	187	Roadway	Widen Northstar Blvd from Belmont Ridge Rd to Braddock Rd	Widen/Construct Northstar Blvd (VA 659) to 6 lanes from Belmont Ridge Rd (VA 659) to Braddock Rd (VA 620). Construct grade-separated interchange at US 50. Potential grade-separation at Evergreen Mills Road.
38	200	Transit	New Manassas to Dulles OmniRide	Implement new transit service from Manassas to Dulles Aiport via Route 28. Requires additional 4 buses.
39	201	Transit	New Gainesville / Haymarket to Dulles OmniRide	Implement new transit service from Gainesville and Haymarket to Dulles Airport via I-66 HOV lanes and Route 28. Requires 2 additional buses.
40	216	Roadway	Widen US 29, VA 665 to Pickwick Rd	Widen US 29 from 4 to 6 lanes from Waples Mill Rd to Pickwick Road
41	222	Roadway	Widen/upgrade/convert VA 286 Fairfax County Parkway to include HOV lanes	Widen/upgrade/convert VA 286 Fairfax County Parkway to include HOV lanes from VA 267 Dulles Toll Road to I-66.

Segment 11-1: US 50 — Fauquier County Line to City of Fairfax

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
42	226	Roadway	Construct VA 234 Bypass North, I-66 to US 50	Construct VA 234 Bypass North (Bi-County Parkway) from I-66 to US 50. Close US 29 from Pageland Lane to the bridge over Bull Run and close VA 234 Sudley Road from the southern park boundary to the northern park boundary.
43	307	Roadway	US 15 "hot spot" and safety improvements	"Hot Spot" and safety improvements on US 15 from the Prince William County Line to the Maryland State Line, as directed by the Board.
44	310	Roadway	US 50 Widening / Interchanges	Widen US 50 (John Mosby Highway) to 6 lanes from Poland Rd to Northstar Blvd. Construct new interchanges at/near VA 2200 (Tall Cedars Parkway), VA Route 2201 (South Riding Blvd), VA 606 (Loudoun County Parkway), VA 606 Extended (Arcola Blvd/West Spine Rd), and VA 659 Relocated (Northstar Blvd). Potential grade-separation (interchange or overpass) at VA 609 (Pleasant Valley Road).
45	311	Roadway	Widen Belmont Ridge Road	Widen Belmont Ridge Road (VA 659) to 4 lanes from Shreveport Drive to Evergreen Mills Road (VA 621).
46	313	Transit	Transit buses purchase	Purchase of buses in support of Loudoun County's transit services.
47	314	Roadway	US 50 Improvements	Improvements along US 50 (John Mosby Highway/Washington Street) from the Fairfax County Line to the Fauquier County Line.
48	330	Transit	Fairfax County Express Bus, Reston / Franconia-Springfield	Implement express bus service along VA 286 Fairfax County Parkway between Reston Metro and Franconia-Springfield Metro
49	340	ITS/ICM	Northern Virginia ITS/ICM Improvements	Implement ITS and integrated corridor management strategies on key regional corridors and parallel facilities in Northern Virginia.
50	341	TDM	Northern Virginia TDM Strategies	Implement and expand TDM initiatives and programs in major employment centers within Northern Virginia
51	347	Roadway	VA-28 Reversible HOV Lanes	Implement reversible HOV lanes on VA-28 between I-66 and the Dulles Toll Road during AM and PM peak periods

Segment 11-1: US 50 — Fauquier County Line to City of Fairfax

Reference Number	TransAction Project ID	Project Type	Project Name	Project Description
52	348	Transit	Reston Express Bus	Implement Express bus service between Reston Town Center and Fairfax Center via Reston Parkway and West Ox Rd
53	350	Transit	US 29 BRT	Implement BRT service on US 29 Lee Highway in a dedicated lane where facility is six lanes.