

ConnectRVA 2045 Universe of Projects - Highways (Draft 3-08-2021)

Project ID	GIS ID	Route/ Intersection/ Interchange	Direction	Project Description	Project Type	From	To	Existing Lanes	Proposed Lanes	Jurisdiction	Project Cost Estimates
HW-1	1	Archie Cannon Dr	Both	Construction of a bridge over CSX RR	New Overpass	N/A	N/A	2	2	Ashland	\$ 26,000,000
HW-2	2	Ashland Rd	Both	Widening with added capacity	Road Widening	Broad Street Rd	I-64	2	4	Goochland	\$ 23,954,000
HW-3	3	Ashland Rd	Both	Widening with added capacity	Road Widening	I-64 Ramp NB	I-64 Ramp SB	2	5	Goochland	\$ 16,900,000
HW-4	4	Ashland Rd	Both	Widening with added capacity (3.7 mi)	Road Widening	Henrico Co. Line	US-33	2	4	Hanover	\$ 43,500,000
HW-5	5	Ashland Rd	Both	Widening with added capacity (2.65 mi)	Road Widening	US-33	Blanton Rd	2	4	Hanover	\$ 32,000,000
HW-6	6	Atlee Station Rd	Both	Widening with added capacity (1.5 mi)	Road Widening	Kings Charter Dr	Sliding Hill Rd	2	4	Hanover	\$ 32,000,000
HW-7	7	Cauthorne Rd	Both	Widening with added capacity (4.0 mi)	Road Widening	Ashland Rd	Henrico Co. Line	2	4	Hanover	\$ 28,000,000
HW-8	8	Cedar Ln	Both	Widening with added capacity (2.1 mi)	Road Widening	US-1	Elmont Rd	2	4	Hanover	\$ 25,000,000
HW-9	9	Cedar Ln	Both	Widening with added capacity (4.0mi)	Road Widening	Elmont Rd	Ashland Rd	2	4	Hanover	\$ 48,000,000
HW-10	10	Charles City Rd	Both	Widening with added capacity	Road Widening	Williamsburg Rd	Eastport Blvd	2	4	Henrico	\$ 26,000,000
HW-11	11	Charles City Rd	Both	Widening with added capacity	Road Widening	Laburnum Ave	Monahan Rd	2	4	Henrico	\$ 15,000,000
HW-12	12	Chester Rd	Both	Widening with added capacity	Road Widening	Wood Dale Rd	W Hundred Rd	2	4	Chesterfield	\$ 10,000,000
HW-13	13	Chester Rd	Both	Widening with added capacity	Road Widening	VA-288	Kingsdale Rd	2	4	Chesterfield	\$ 10,000,000
HW-14	14	Chester Rd	Both	Widening with added capacity	Road Widening	Kingsdale Rd	US-1	2	4	Chesterfield	\$ 20,000,000
HW-15	15	Church Rd	Both	Widening with added capacity and bike/ped facilities	Road Widening	Three Chopt Rd	John Rolfe Pkwy	2	4	Henrico	\$ 31,000,000
HW-16	16	Commerce Rd & Walmsley Blvd	N/A	Construction of a roundabout at Commerce Rd and Walmsley Boulevard Intersection	Intersection Improvement	N/A	N/A	N/A	N/A	Richmond	\$ 12,800,000
HW-17	17	Courtney Rd	Both	Widening with added capacity and bike/ped facilities	Road Widening	Staples Mill Rd	Mountain Rd	2	4	Henrico	\$ 12,500,000
HW-18	18	Creighton Rd	Both	Widening with added capacity (1.1mi)	Road Widening	I-295	Cold Harbor Rd	2	4	Hanover	\$ 12,000,000
HW-19	19	Creighton Rd	Both	Widening with added capacity and bike/ped facilities	Road Widening	Cedar Fork Rd	Hanover County Line	2	4	Henrico	\$ 26,000,000
HW-20	20	Darbytown Rd	Both	Widening with added capacity and pedestrian accommodations	Road Widening	S Laburnum Ave	Strath Rd	2	4	Henrico	\$ 18,000,000
HW-21	21	Darbytown Rd	Both	Widening with added capacity and pedestrian accommodations	Road Widening	Majestic Way	New Market Village Ln	2	4	Henrico	\$ 7,000,000
HW-22	22	Darbytown Rd	Both	Widening with added capacity and pedestrian accommodations	Road Widening	Richmond City Line	Laburnum Ave	2	4	Henrico	\$ 65,000,000
HW-23	23	East-West Freeway	Both	Construction of a new road	New Road	US-1 at Ruffin Mill	Branders Bridge Rd	0	2	Chesterfield	\$ 61,400,000
HW-24	24	Fairground Rd	Both	Construction of a new 2-lane road	Road Extension	Sandy Hook Rd	River Road West	0	2	Goochland	\$ 10,958,325
HW-25	25	Forest Hill Ave	Both	Widening with added capacity and bike lanes	Road Widening	W 47th St	Semmes Ave	2	4	Richmond	\$ 12,000,000
HW-26	26	Greenwood Rd	Both	Widening with added capacity and bike and pedestrian accommodations	Road Widening	Woodman Road	Old Washington Hwy	2	4	Henrico	\$ 41,000,000
HW-27	27	Hockett Rd	Both	Realignment/Construction of a new road	Road Realignment	Hockett Rd	Broad Street Rd	2	2	Goochland	\$ 3,351,425
HW-28	28	Horsepen Rd	Both	Widening with added capacity and pedestrian accommodations	Road Widening	Three Chopt Rd	Dexter Rd	4	6	Henrico	\$ 5,600,000
HW-29	29	Huguenot Rd & Robious Rd	N/A	Intersection Improvement	Intersection Improvement	N/A	N/A	N/A	N/A	Chesterfield	\$ 45,000,000
HW-30	30	I- 64 & Gayton Rd	N/A	Construction of a new Interchange	New Interchange	N/A	N/A	N/A	N/A	Henrico	\$ 80,000,000
HW-31	31	I-295	SB	Construction of a SB auxiliary lane between the existing lane drop on I-295 SB and Chamberlayne Rd (Exit 41) off ramp (0.4mi)	Auxiliary Lane	I-95 Southbound Branch	Chamberlayne Rd (Exit- 41) off ramp	N/A	N/A	Hanover/Henrico	\$ 530,000
HW-32	32	I-295	NB	Construction of a single northbound auxiliary lane between the onramp from Nuckols Road SB (Exit 51) on-ramp and I-295 NB and I-64 Branch	Auxiliary Lane	Nuckols Rd (Exit 51)	Western Terminus	N/A	N/A	Henrico	\$ 20,000,000
HW-33	33	I-295	SB	Widening of the cross-section between I-295 SB deceleration and Exit 43 (Brook Rd) to a two-lane section (0.5mi)	Interchange Modification	I-295 SB deceleration lane	Exit 43 C	1	2	Henrico	\$ 4,000,000
HW-34	34	I-295	NB	Widening to a two-lane section from I-95 SB on ramp onto I-295(Exit 43) NB to end of C-D lane (0.5 mi)	Interchange Modification	I-95 SB on ramp	Exit 43 C	1	2	Henrico	\$ 8,000,000
HW-35	35	I-295 & Portugee Rd	N/A	Construction of a new Interchange	New Interchange	N/A	N/A	N/A	N/A	Henrico	\$ 60,000,000
HW-36	36	I-295 & Varina Rd	N/A	Construction of a new Interchange	New Interchange	N/A	N/A	N/A	N/A	Henrico	\$ 60,000,000
HW-37	37	I-295 & Creighton Rd	NB	Widening of the NB VA- 288 Off-Ramp to Two Lanes.	Interchange Modification	I-295 NB	Creighton Rd NB	1	2	Hanover	\$ 3,000,000
HW-40	38	I-64	EB	Construction of an auxiliary lane between Exit 180 (Gaskins Rd) and Exit 181 (Parham Rd)	Auxiliary Lane	Exit 180	Exit 181	N/A	N/A	Henrico	\$ 21,800,000
HW-41	39	I-64	EB	Construction of an auxiliary lane between Exit 181 (Parham Rd) and Exit 183 (US-250)	Auxiliary Lane	Exit 181	Exit 183	N/A	N/A	Henrico	\$ 51,400,000
HW-42	40	I-64	EB	Construction of an auxiliary lane between Exit 183 (US-250) and Exit 185 (US-33)	Auxiliary Lane	Exit 183	Exit 185	N/A	N/A	Henrico	\$ 27,000,000
HW-43	41	I-64	WB	Construction of an auxiliary lane between Exit 183 (US-250) and Exit 185 (US-33)	Auxiliary Lane	Exit 183	Exit 185	N/A	N/A	Henrico	\$ 28,000,000
HW-38	42	I-64	EB	Construction of an auxiliary lane between Exit 178 (US-250) and Exit 180 (Gaskins Rd)	Auxiliary Lane	Exit 178	Exit 180	N/A	N/A	Henrico	\$ 31,950,000
HW-39	43	I-64	WB	Construction of an auxiliary lane between Exit 178 (US-250) and Exit 180 (Gaskins Rd)	Auxiliary Lane	Exit 178	Exit 180	N/A	N/A	Henrico	\$ 31,950,000
HW-44	44	I-64	WB	Construction of an auxiliary lane between Exit 185 (US-33) and Exit 186 (I-195)	Auxiliary Lane	Exit 185	Exit 186	N/A	N/A	Henrico/Richmond	\$ 12,000,000
HW-45	45	I-64	EB	Widening with added capacity (5.9 mi)	Road Widening	Exit 205 (Bottoms Bridge)	Exit 211 (VA-106)	2	3	New Kent	\$ 73,454,991
HW-46	46	I-64	WB	Widening with added capacity (5.9 mi)	Road Widening	Exit 205 (Bottoms Bridge)	Exit 211 (VA-106)	2	3	New Kent	\$ 75,111,201
HW-47	47	I-64	EB	Construction of an auxiliary lane between Welcome Center to Exit 214 (VA-155)	Auxiliary Lane	Welcome Center	Exit 214 (VA-155)	N/A	N/A	New Kent	\$ 4,000,000
HW-48	48	I-64	WB	Construction of an auxiliary lane between Welcome Center to Exit 214 (VA-155)	Auxiliary Lane	Welcome Center	Exit 214 (VA-155)	N/A	N/A	New Kent	\$ 9,000,000
HW-49	49	I-64	EB	Widening with added capacity (2.9 mi)	Road Widening	Exit 211 (VA-106)	Exit 214 (VA-155)	2	3	New Kent	\$ 25,000,000
HW-50	50	I-64	WB	Widening with added capacity (2.9 mi)	Road Widening	Exit 211 (VA-106)	Exit 214 (VA-155)	2	3	New Kent	\$ 25,000,000

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HW-51	51	I-64 & Ashland Rd (VA-623)	N/A	Reconstruction of the existing Diamond Interchange to a single-lane Diverging Diamond Interchange (DDI)	Interchange Modification	N/A	N/A	N/A	N/A	Goochland	\$ 23,861,127
HW-52	52	I-64 & Gaskins Rd	N/A	Improvement of Interchange Configuration. Convert Interchange to Partial-Cloverleaf and construct westbound auxiliary lane.	Interchange Modification	N/A	N/A	N/A	N/A	Henrico	\$ 47,800,000
HW-53	53	I-64 & Parham Rd	N/A	Improvement of Interchange Configuration. Widening EB ramp terminal to include dual right turn lanes	Interchange Modification	N/A	N/A	N/A	N/A	Henrico	\$ 12,000,000
HW-54	54	I-64 & US-250	N/A	Improvement of Interchange Configuration. Convert Interchange to Partial-Cloverleaf Widening of EB US-250 (W Broad Street/Short Pump) to EB I-64 ramp to two lanes. Reconstruction of Cox Rd Bridge	Interchange Modification	N/A	N/A	N/A	N/A	Henrico	\$ 64,784,000
HW-55	55	I-95	Both	Construction of an auxiliary lane between Exit 61 (VA-10) and Exit 62 (VA-288)	Auxiliary Lane	Exit 61 (VA-10)	Exit 62 (VA-288)	NA	NA	Chesterfield	
HW-56	56	I-95	SB	Construction of an SB auxiliary lane between Exit 67 (VA-150) and Exit 69 (Bells Rd)	Auxiliary Lane	Exit 67 (VA-150)	Exit 69 (Bells Rd)	NA	NA	Chesterfield/Richmond	\$ 25,500,000
HW-57	57	I-95	Both	Widening with added capacity	Road Widening	Exit 62 (VA-288)	Exit 64 (Willis Rd)	6	8	Chesterfield	\$ 14,000,000
HW-58	58	I-95 & Bellemeade Rd	N/A	Construction of a new I-95 interchange	New Interchange	N/A	N/A	N/A	N/A	Richmond	\$ 125,000,000
HW-59	59	I-95 & Bells Rd	N/A	Construction of a single-lane roundabout on I-95 northbound ramps with flyovers to Deepwater Terminal Road (Exit 69)	Interchange Modification	N/A	N/A	N/A	N/A	Richmond	\$ 43,200,000
HW-60	60	I-95 & Belvidere St	N/A	Improvement of interchange configuration at Belvidere St/Chamberlayne Ave (Exit 76)	Interchange Modification	N/A	N/A	N/A	N/A	Richmond	
HW-61	61	I-95 & Broad Street/ I-64	N/A	Improvement of interchange configuration at Broad Street and I-64 (Exit 74 to Exit 75)	Interchange Modification	N/A	N/A	N/A	N/A	Richmond	\$ 120,000,000
HW-62	62	I-95 & Hermitage Rd/ US -1	N/A	Removal of northbound off-ramps and southbound on-ramps at Hermitage Rd and at Brook Rd, and relocation to Dumbarton Interchange (Exits 80-81)	Interchange Modification	N/A	N/A	N/A	N/A	Henrico/Richmond	
HW-63	63	I-95 & I-295	N/A	Improve interchange configuration with I-295 by adding a NB C-D Road (Exit 84)	Interchange Modification	N/A	N/A	N/A	N/A	Henrico	
HW-64	64	I-95 & I-64	N/A	Improvement of interchange configuration with I-64 to improve the SB I-95 to WB I-64 ramp (Exit 79)	Interchange Modification	N/A	N/A	N/A	N/A	Richmond	\$ 50,000,000
HW-65	65	I-95 & Parham Rd	N/A	Construction of a new Partial Cloverleaf Interchange (Exit 83)	Interchange Modification	N/A	N/A	N/A	N/A	Henrico	
HW-66	66	I-95 & VA-10	N/A	Construction of a new Partial Cloverleaf Interchange (Exit 61)	Interchange Modification	N/A	N/A	N/A	N/A	Chesterfield	\$ 52,543,000
HW-67	67	I-95 & VA-161	N/A	Conversion of SB I-95 off-ramp at VA-161 (Exit 78) to two lanes. Removal of one lane from SB I-95 prior to on-ramp from EB I-64	Interchange Modification	N/A	N/A	N/A	N/A	Richmond	
HW-68	68	I-95 & VA-54	N/A	Conversion of the interchange to a Diverging Diamond (DDI) (Exit 92)	Interchange Modification	N/A	N/A	N/A	N/A	Ashland	\$ 10,000,000
HW-69	69	I-95 & VA-54	N/A	Connection SB I-95 off-ramp to Hill Carter Pkwy	Interchange Modification	N/A	N/A	N/A	N/A	Ashland	\$ 3,500,000
HW-70	70	I-95 & VA-895	N/A	Construction of the missing SB to EB movement at I-95 & VA-895	Interchange Modification	N/A	N/A	N/A	N/A	Chesterfield/Henrico	\$ 23,309,000
HW-71	71	I-95 & Willis Rd	N/A	Construction of a new Double Roundabout Interchange (Exit 64)	Interchange Modification	N/A	N/A	N/A	N/A	Chesterfield	\$ 67,478,436
HW-72	72	Judes Ferry Rd	Both	Widening with added capacity (0.5 mi)	Road Widening	US-60	Old Church Road	2	4	Powhatan	\$ 7,423,823
HW-73	73	Judes Ferry Rd	Both	Construction of a new 2-lane road (1.2mi)	Road Extension	Judes Ferry Road 0.4 miles N of Hancock Road	0.25 mi S of Federal Hill Farms Rd	0	2	Powhatan	\$ 11,602,350
HW-74	74	Judes Ferry Rd	Both	Construction of a new 4-lane road (1.8 mi)	Road Extension	US-60	Dorset Rd	0	4	Powhatan	\$ 33,989,841
HW-75	75	Manakin Town Ferry Rd	Both	Construction of a new 2-lane road (0.6 mi)	Road Extension	Page Road	US-60 Aligned with Oakbridge Drive	0	2	Powhatan	\$ 5,185,746
HW-76	76	Maury St	Both	Widening with added capacity	Road Widening	I-95 roundabout	Commerce Rd	2	4	Richmond	\$ 5,000,000
HW-77	77	Meadowbridge Rd	Both	Widening with added capacity (1.35 mi)	Road Widening	Henrico Co. Line	Atlee Rd	2	4	Hanover	\$ 13,500,000
HW-78	78	Mill Rd	Both	Widening with added capacity and pedestrian accommodations	Road Widening	Mill Place Dr	Mountain Rd	2	4	Henrico	\$ 10,000,000
HW-79	79	N Gayton Rd	Both	Widening with added capacity and bike/ped facilities	Road Widening	W Broad St	Lauderdale Dr	2	4	Henrico	\$ 23,000,000
HW-80	80	New Ashcake Rd	Both	Construction of a new 2-lane road (1.75 mi)	Road Extension	New Ashcake Rd	Air Park Rd	0	2	Hanover	\$ 20,000,000
HW-81	81	New Market Rd (VA-5)	Both	Widening with added capacity and pedestrian accommodations	Road Widening	Doran Rd	Strath Rd	2	4	Henrico	\$ 6,000,000
HW-82	82	New Market Rd (VA-5)	Both	Widening with added capacity and pedestrian accommodations	Road Widening	Osborne Turnpike	I-295	2	4	Henrico	\$ 127,000,000
HW-83	83	New Road	Both	Construction of a new 2-lane road	New Road	Hockett Rd	Future Wilkes Ridge Parkway Extension	0	2	Goochland	\$ 15,435,000
HW-84	84	Nuckols Rd	Both	Widening with added capacity and pedestrian accommodations	Road Widening	Shady Grove Rd	Springfield Rd	4	6	Henrico	\$ 30,000,000
HW-85	85	Oilville Rd	Both	Widening with added capacity	Road Widening	Broad Street Road	I-64	2	4	Goochland	\$ 19,964,175
HW-86	86	Old Hundred Road	Both	Widening with added capacity	Road Widening	US-60	Mt Hermon Rd	2	4	Chesterfield	\$ 5,500,000
HW-87	87	Osborne Turnpike (VA-5)	Both	Widening with added capacity and pedestrian accommodations	Road Widening	New Osborne Turnpike	Oakland Rd	2	4	Henrico	\$ 13,000,000
HW-88	88	Otterdale Rd	Both	Widening with added capacity	Road Widening	US-360	Woolridge Rd	2	4	Chesterfield	\$ 11,500,000
HW-89	89	Parham Rd & Patterson Ave	N/A	Construction of additional turn lanes and pedestrian accommodations	Intersection Improvement	N/A	N/A	N/A	N/A	Henrico	\$ 14,000,000
HW-90	90	Pole Green Rd	Both	Widening with added capacity (1.85 mi)	Road Widening	Rural Point Rd	Walnut Grove Rd	2	4	Hanover	\$ 21,000,000
HW-91	91	Pole Green Rd	Both	Widening with added capacity (2.15 mi)	Road Widening	Walnut Grove Rd	US-360	2	4	Hanover	\$ 24,000,000
HW-92	92	Pouncey Tract Rd	Both	Widening with added capacity (0.25 mi)	Road Widening	Henrico Co. Line	Ashland Rd	2	4	Hanover	\$ 3,000,000
HW-93	93	Pouncey Tract Rd	Both	Widening with added capacity and pedestrian accommodations	Road Widening	US-250	N. Gayton Rd	2	4	Henrico	\$ 20,000,000

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HW-94	94	Pump Rd	Both	Widening with added capacity and pedestrian accommodations	Road Widening	Walbrook Rd	Waltham Dr	2	4	Henrico	\$ 7,500,000
HW-95	95	Red Lane Rd	Both	Construction of a new two-lane road to connect Red Lane Road with Lees Landing Road	Road Realignment	Intersection of Three Bridge Road & Lees Landing Road	Red Lane Road 0.6 miles south of its intersection with Three Bridge Road	0	2	Powhatan	\$ 6,768,038
HW-96	96	River Road	Both	Widening with added capacity and pedestrian accommodations	Road Widening	Sleepy Hollow Rd	E/O VA-150	2	4	Henrico	\$ 22,500,000
HW-97	97	Rural Point Rd	Both	Widening with added capacity (2.6 mi)	Road Widening	US-301	Studley Rd	2	4	Hanover	\$ 31,000,000
HW-98	98	Rural Point Rd	Both	Widening with added capacity (2.1 mi)	Road Widening	Studley Rd	Pole Green Rd	2	4	Hanover	\$ 25,000,000
HW-100	100	Springfield Rd	Both	Construction of a new two-lane road with bike/ped facilities	Road Relocation	Francistown Rd	Olde Millbrooke Way	0	2	Henrico	\$ 25,000,000
HW-99	99	Springfield Rd	Both	Widening with added capacity and pedestrian accommodations	Road Widening	Staples Mill Rd	Francistown Rd	2	4	Henrico	\$ 7,500,000
HW-101	101	Three Chopt Rd	Both	Construction of a new 1,500 ft., two-lane divided road segment to reconnect existing segments of Three Chopt Rd. under VA- 288 (underpass)	New Underpass	0.1 mile west of VA-288	0.1 mile east of VA- 288	0	2	Goochland	\$ 18,829,345
HW-102	102	Three Chopt Rd	Both	Widening with added capacity and pedestrian accommodations	Road Widening	Gaskins Rd	N Parham Rd	2	4	Henrico	\$ 35,000,000
HW-103	103	Three Chopt Rd	Both	Widening with added capacity and pedestrian accommodations	Road Widening	Skipwith Rd	Horsepen Rd	2	4	Henrico	\$ 15,000,000
HW-104	104	Tuckahoe Creek Pkwy	Both	Construction of a new 2-lane road	Road Extension	Tuckahoe Creek Parkway	Ridgefield Pkwy (Henrico County)	0	2	Goochland	\$ 25,770,325
HW-105	105	US- 301 & VA-54	N/A	Converting "Y" intersection to a roundabout	Intersection Improvement	N/A	N/A	N/A	N/A	Hanover	\$ 4,500,000
HW-106	106	US-1 & West Hundred Rd	N/A	Intersection Improvement	Intersection Improvement	N/A	N/A	N/A	N/A	Chesterfield	\$ 45,000,000
HW-107	107	US-250 & Glenside Drive	N/A	Intersection Improvement	Intersection Improvement	N/A	N/A	N/A	N/A	Henrico	\$ 5,000,000
HW-108	108	US-250 & Parham Rd	N/A	Intersection Improvement	Intersection Improvement	N/A	N/A	N/A	N/A	Henrico	\$ 11,000,000
HW-109	109	US-33	Both	Widening with added capacity (1.3 mi)	Road Widening	Overhill Lake Ln	Winns Church Rd	2	4	Hanover	\$ 16,000,000
HW-110	110	US-33	Both	Widening with added capacity (2.4 mi)	Road Widening	Winns Church Rd	Ashland Rd	2	4	Hanover	\$ 29,000,000
HW-111	111	US-360	Both	Widening with added capacity	Road Widening	E. of Cosby Rd	Magnolia Green Pkwy	4	6	Chesterfield	\$ 42,400,000
HW-113	113	US-360	Both	Widening with added capacity (2.35 mi)	Road Widening	Sujen Ct	Walnut Grove Rd	4	6	Hanover	\$ 50,000,000
HW-114	114	US-360 & Commonwealth Center Pkwy	N/A	Construction of a Grade Separated Diverging Diamond Interchange	New Interchange	N/A	N/A	N/A	N/A	Chesterfield	\$ 136,500,000
HW-115	115	US-360 & Various	N/A	Construction of US-360 Superstreet at Winterpock Road, Spring Run Road, Chital Drive, Deer Run Road, and Harbor Pointe Parkway	Intersection Improvement	N/A	N/A	N/A	N/A	Chesterfield	\$ 53,800,000
HW-116	116	US-60	Both	Widening with added capacity	Road Widening	Page Rd	Watkins Center Pkwy	4	6	Chesterfield	\$ 33,000,000
HW-117	117	US-60	Both	Widening with added capacity	Road Widening	Elko Rd	New Kent Co Line	2	4	Henrico	\$ 65,000,000
HW-118	118	US-60	Both	Widen bridge over Belt Blvd and extend deceleration and acceleration lanes over CSX	Road Widening	Division Street	CSX RR	4	6	Richmond	\$ 40,000,000
HW-119	119	US-60 & US-522	N/A	Construction of a roundabout at US- 522 and a quadrant roadway from the roundabout to US- 60 at the northeast corner of the intersection. Construction of a CGT at the intersection of the quadrant road and US- 60.	Intersection Improvement	N/A	N/A	N/A	N/A	Powhatan	\$ 17,100,000
HW-120	120	US-60 & VA-13	N/A	Reconfiguration of the intersection of US- 60 and Dorset Road(VA-622) to a RCUT with two northbound right-turn lanes.	Intersection Improvement	N/A	N/A	N/A	N/A	Powhatan	\$ 7,198,000
HW-121	121	VA-10	Both	Widening with added capacity	Road Widening	Jessup Rd	VA-288	4	6	Chesterfield	\$ 55,000,000
HW-122	122	VA-106	Both	Widening of the Bridge Overpass at I-64	Road Widening	I-64 EB On Ramp	I-64 WB Off Ramp	2	3	New Kent	\$ 16,407,950
HW-123	123	VA-150 & Belmont Rd	N/A	Interchange improvements (mainline, ramps, merge, diverge, weave, etc.)	Interchange Modification	N/A	N/A	N/A	N/A	Chesterfield	\$ 25,000,000
HW-124	124	VA-150 & Dalebrook Dr	NB	Elimination of On and Off-Ramps	Interchange Modification	N/A	N/A	N/A	N/A	Chesterfield	\$ 5,000,000
HW-125	125	VA-150 & Dalebrook Dr	SB	Elimination of On and Off-Ramps	Interchange Modification	N/A	N/A	N/A	N/A	Chesterfield	\$ 5,000,000
HW-126	126	VA-150 & Hopkins Rd	N/A	Construction of a diverging diamond interchange	Interchange Modification	N/A	N/A	N/A	N/A	Chesterfield	\$ 24,424,000
HW-127	127	VA-150 & N. Huguenot Rd	N/A	Construction of a Full Cloverleaf Interchange without traffic signals	Interchange Modification	N/A	N/A	N/A	N/A	Richmond	\$ 30,000,000
HW-128	128	VA-150 & Strathmore Rd	NB	Elimination of On and Off-Ramps	Interchange Modification	N/A	N/A	N/A	N/A	Chesterfield	\$ 5,000,000
HW-129	129	VA-150 & Strathmore Rd	SB	Elimination of On and Off-Ramps	Interchange Modification	N/A	N/A	N/A	N/A	Chesterfield	\$ 5,000,000
HW-130	130	VA-150 & US-1	N/A	Interchange improvements (mainline, ramps, merge, diverge, weave, etc.)	Interchange Modification	N/A	N/A	N/A	N/A	Chesterfield	\$ 33,000,000
HW-131	131	VA-150 & US-360	N/A	Interchange improvements (mainline, ramps, merge, diverge, weave, etc.)	Interchange Modification	N/A	N/A	N/A	N/A	Chesterfield	\$ 33,000,000
HW-132	132	VA-150 & US-60	N/A	Construction of a Partial Cloverleaf Interchange with contraflow left turns	Interchange Modification	N/A	N/A	N/A	N/A	Chesterfield	\$ 34,093,206
HW-133	133	VA-150 & VA-10	N/A	Interchange improvements (mainline, ramps, merge, diverge, weave, etc.)	Interchange Modification	N/A	N/A	N/A	N/A	Chesterfield	\$ 33,000,000
HW-134	134	VA-288	Both	Widening with added capacity	Road Widening	VA-76 (Powwhite Pkwy)	US-360	4	6	Chesterfield	\$ 42,700,000
HW-135	135	VA-288	EB	Widening with added capacity	Road Widening	Courthouse Rd	VA-10	2	3	Chesterfield	\$ 45,000,000
HW-136	136	VA-288	SB	Construction of a new SB Auxiliary Lane (1.4 mi)	Auxiliary Lane	US -250	Tuckahoe Creek Pkwy	N/A	N/A	Goochland	\$ 17,460,000
HW-137	137	VA-288	NB	Construction of a Hard Shoulder Running Auxiliary Lane	Auxiliary Lane	VA-711 (Huguenot Tr)	VA-6	N/A	N/A	Goochland/Powhatan	\$ 20,925,000
HW-138	138	VA-288	SB	Construction of a Hard Shoulder Running Auxiliary Lane	Auxiliary Lane	West Creek Pkwy	VA-711 (Huguenot Tr)	N/A	N/A	Goochland/Powhatan	\$ 35,232,000

ConnectRVA 2045 Universe of Projects - Highways (Draft 3-08-2021)

Project ID	GIS ID	Route/ Intersection/ Interchange	Direction	Project Description	Project Type	From	To	Existing Lanes	Proposed Lanes	Jurisdiction	Project Cost Estimates
HW-139	139	VA-288 & Chester Rd	N/A	Interchange improvements (mainline, ramps, merge, diverge, weave, etc.)	Interchange Modification	N/A	N/A	N/A	N/A	Chesterfield	\$ 9,500,000
HW-140	140	VA-288 & Courthouse Rd.	N/A	Interchange improvements (mainline, ramps, merge, diverge, weave, etc.)	Interchange Modification	N/A	N/A	N/A	N/A	Chesterfield	\$ 25,000,000
HW-142	142	VA-288 & US-250	SB	Construction of a dual NB right-turn lanes at the SB VA- 288 ramp intersection and widening the northbound VA- 288 off-ramp to two lanes	Interchange Modification	N/A	N/A	N/A	N/A	Goochland	\$ 4,900,000
HW-143	143	VA-288 & US-250	NB	Construction of a New Directional On-Ramp (1-lane)	Interchange Modification	WB US-250	NB VA-288	0	1	Goochland	\$ 21,000,000
HW-144	144	VA-288 & US-250	SB	Construction of a New Directional On-Ramp (1-lane)	Interchange Modification	WB US-250	SB VA-288	0	1	Goochland	\$ 19,850,000
HW-146	146	VA-288 & US-360	N/A	1) Construction of Route 288 NB Flyover Ramp (1 lane) widening to 2 lanes at partial Diverging Diamond Interchange (DDI), 2) Reconstruction of SB on-ramp, 3) Realignment and widening of SB off-ramp to 2 lanes before DDI, 4) Roundabouts: Bailey Bridge Connector at Commonwealth Centre Connector (2 lane), Commonwealth Centre Connector at Commonwealth Centre Parkway (1 lane) , 5) Cul-de-sac Commonwealth Centre Parkway	Interchange Modification	N/A	N/A	N/A	N/A	Chesterfield	\$ 51,100,000
HW-147	147	VA-288 & US-360	N/A	Construction of a EB US-360 to NB VA-288 Directional on-ramp (2 lanes)	Interchange Modification	N/A	N/A	0	2	Chesterfield	\$ 29,500,000
HW-148	148	VA-288 & US-360	N/A	Construction of SB VA-288 CD Road (2 lanes)	Interchange Modification	N/A	N/A	0	2	Chesterfield	\$ 43,700,000
HW-149	149	VA-288 & US-60	N/A	Interchange improvements (mainline, ramps, merge, diverge, weave, etc.)	Interchange Modification	N/A	N/A	N/A	N/A	Chesterfield	\$ 20,000,000
HW-150	150	VA-54	Both	Widening with added capacity	Road Widening	Frances Rd	East Corporate Limits	2	4	Ashland	\$ 5,520,000
HW-151	151	VA-6	Both	Widening with added capacity	Road Widening	Maidens Rd	Hermitage Rd	2	4	Goochland	\$ 86,390,500
HW-152	152	VA-76 & Charter Colony Pkwy	N/A	Construction of a Grade- Separated Diverging Diamond Interchange	New Interchange	N/A	N/A	N/A	N/A	Chesterfield	\$ 30,000,000
HW-153	153	VA-76 & VA-150	NB	Construction of a choice lane at NB VA- 150 off loop ramp diverge. Widening of NB VA-76 express lane to 3 lanes to VA- 150 interchange	Interchange Modification	N/A	N/A	2	3	Chesterfield	\$ 23,184,612
HW-154	154	VA-76 & VA-150	SB	Construction of a choice lane at SB VA- 150 off loop ramp diverge	Interchange Modification	N/A	N/A	2	2	Chesterfield	\$ 14,225,544
HW-155	155	VA-76 (Powhite Pkwy)	Both	Construction of a new At-Grade 4-lane road	Road Extension	Charter Colony Pkwy	Little Tomahawk Creek	0	4	Chesterfield	\$ 54,300,000
HW-156	156	VA-76 (Powhite Pkwy)	Both	Construction of a new At-Grade 4-lane road	Road Extension	Little Tomahawk Creek	Otterdale Road	0	4	Chesterfield	\$ 40,800,000
HW-157	157	VA-76 (Powhite Pkwy)	Both	Construction of a new At-Grade 4-lane road	Road Extension	Otterdale Road	Genito Road	0	4	Chesterfield	\$ 66,200,000
HW-158	158	VA-76 (Powhite Pkwy)	Both	Construction of a new At-Grade 4-lane road	Road Extension	Genito Road	Duval Road	0	4	Chesterfield	\$ 109,400,000
HW-159	159	VA-76 (Powhite Pkwy)	Both	Construction of a new At-Grade 4-lane road	Road Extension	Duval Road	US-360	0	4	Chesterfield	\$ 66,800,000
HW-160	160	VA-895 & Wilton Rd	N/A	Construction of a New Interchange	New Interchange	N/A	N/A	N/A	N/A	Henrico	\$ 60,000,000
HW-161	161	Walmsley Blvd	Both	Widening with added capacity	Road Widening	Broad Rock Blvd	US-1	2	4	Richmond	\$ 30,000,000
HW-162	162	Walmsley Blvd	Both	Construction of a new 2-lane road	Road Extension	US-1	Commerce Road.	0	2	Richmond	\$ 52,300,000
HW-163	163	Wilkes Ridge Parkway	Both	Construction of a new 2-lane road	Road Extension	Wilkes Ridge Parkway	Tuckahoe Creek Pkwy	0	2	Goochland	\$ 23,152,500
HW-164	164	Woodman Rd	Both	Widening with added capacity and pedestrian accommodations	Road Widening	Hermitage Rd	Hilliard Rd	2	4	Henrico	\$ 5,000,000
HW-165	165	Woodman Rd	Both	Widening with added capacity and pedestrian accommodations	Road Widening	Mountain Rd	Hungary Rd	2	4	Henrico	\$ 45,000,000
HW-166	166	Woodside Ln	Both	Construction of a new 2-lane road (1.1 mi)	Road Extension	Jamestown Rd	Hickory Hill Rd	0	2	Hanover	\$ 12,500,000
HWY- 167	167	US-1 & VA-30	NA	Reconfiguration from a stop controlled "T" intersection to a "Continuous Green-T" thereby adding a signal and dedicated left and right turn lanes on US-1	Intersection Improvement	N/A	N/A	N/A	N/A	Hanover	\$ 6,800,000
HWY- 168	168	Lewistown Rd & Ashcake Rd	NA	Reconfiguration from a stop controlled "T" intersection to a roundabout	Intersection Improvement	N/A	N/A	N/A	N/A	Hanover	\$ 9,700,000
HWY- 169	169	Sliding Hill Rd & Ashcake Rd	NA	Reconfiguration of a 2-way stop controlled intersection to a roundabout	Intersection Improvement	N/A	N/A	N/A	N/A	Hanover	\$ 7,500,000
HWY- 170	170	US-1	Both	Widening with added capacity	Road Widening	Ashcake Rd	Southern Town Limits	4	6	Ashland	\$ 36,300,000
HWY- 171	171	Bethlehem Rd	Both	Widening with added capacity and bike/ped facilities	Road Widening	Libbie Ave	Dickens Rd	2	4	Henrico	\$ 6,500,000
HWY- 172	172	Carolina Ave	Both	Widening with added capacity and bike/ped facilities	Road Widening	Richmond Henrico Tpk	Laburnum Ave	2	4	Henrico	\$ 35,600,000
HWY- 173	173	Dickens Rd	Both	Widening with added capacity and bike/ped facilities	Road Widening	Staples Mill Rd	Oconto Rd	2	4	Henrico	\$ 8,000,000
HWY- 174	174	Lauderdale Dr	Both	Widening with added capacity and bike/ped facilities	Road Widening	Westbriar Dr	Eadenbury Dr	4	6	Henrico	\$ 8,000,000
HWY- 175	175	Masonic Ln/Brittles Ln	Both	Widening with added capacity and bike/ped facilities	Road Widening	Nine Mile Rd	Williamsburg Rd	2	4	Henrico	\$ 26,000,000
HWY- 176	176	Midview Rd	Both	Widening with added capacity and bike/ped facilities	Road Widening	New Market Rd	Darbytown Rd	2	4	Henrico	\$ 25,000,000
HWY- 177	177	New Market Rd	Both	Widening with added capacity and bike/ped facilities	Road Widening	Laburnum Ave	New Osborne Tpk	2	4	Henrico	\$ 52,000,000
HWY- 178	178	Old Osborne Turnpike (VA-5)	Both	Widening with added capacity and bike/ped facilities	Road Widening	Richmond City Limits	New Osborne Tpk	2	4	Henrico	\$ 20,000,000
HWY- 179	179	Pemberton Rd	Both	Widening with added capacity and bike/ped facilities	Road Widening	Quioccasin Rd	US-250	2	4	Henrico	\$ 42,000,000
HWY- 180	180	Richmond Henrico Tpk	Both	Widening with added capacity and bike/ped facilities	Road Widening	Hanover County Line	Railroad Crossing	2	4	Henrico	\$ 30,000,000
HWY- 181	181	S Airport Dr	Both	Widening with added capacity and bike/ped facilities	Road Widening	Audubon Dr	Williamsburg Rd	4	6	Henrico	\$ 5,000,000
HWY- 182	182	Shady Grove Rd	Both	Widening with added capacity and bike/ped facilities	Road Widening	Nuckols Rd	Hanover County line	2	4	Henrico	\$ 8,000,000

* RRTPO staff are working to get some missing cost estimates

ConnectRVA 2045 Universe of Projects - Bridge (Draft 3-08-2021)

Project ID	Federal ID	Route	Facility	Featured intersection	Project Description	Jurisdiction	Rehabilitation Cost	Replacement Cost
BR-1	5058	I-95	I-95	Reymet Rd (VA- 608)	Bridge - Replacement/Rehabilitation	Chesterfield		
BR-2	4994	US-1	Jeff Davis Hwy	Ashton Creek	Bridge - Replacement/Rehabilitation	Chesterfield	\$ 143,316	\$ 2,364,700
BR-3	9762	I-64	Wbl I-64	Airport Drive (VA-156)	Bridge - Replacement/Rehabilitation	Henrico		
BR-4	9880	I-195	I-195	VA- 197 & CSX Transp. Rr	Bridge - Replacement/Rehabilitation	Henrico	\$ 13,451,250	\$ 13,451,250
BR-5	9634	VA-73	Parham Road	CSX Railway	Bridge - Replacement/Rehabilitation	Henrico		
BR-6	9760	I-64	Ebl I-64	Airport Drive (VA-156)	Bridge - Replacement/Rehabilitation	Henrico	\$ 13,444,450	\$ 13,444,450
BR-7	12641	US-60	Ebl Pocahontas Tr	Toe Ink Swamp	Bridge - Replacement/Rehabilitation	New Kent	\$ 267,022	\$ 3,055,750
BR-8	21569	US-250	Broad Street	I-95	Bridge - Replacement/Rehabilitation	Richmond		
BR-9	21519	VA-147	Cary Street	I-195 & CSX Railroad	Bridge - Replacement/Rehabilitation	Richmond		
BR-10	21583	US-360	14th Street	James River South Div	Bridge - Replacement/Rehabilitation	Richmond	\$ 24,000,000	\$ 72,000,000
BR-11	21575	US-250	Broad Street	CSX Abandoned Spur Line	Bridge - Replacement/Rehabilitation	Richmond	\$ 3,000,000	\$ 3,965,009
BR-12	21584	US-360	14th Street	James River North Div	Bridge - Replacement/Rehabilitation	Richmond	\$ 16,000,000	\$ 48,000,000
BR-13	21441	I-64	Wbl I-64	I- 95	Bridge - Replacement/Rehabilitation	Richmond		
BR-14	21552	I-195	Sbl I-195	VA- 76: CSX Rr & Ramp S	Bridge - Replacement/Rehabilitation	Richmond		
BR-15	21287	I-64	Ramp To 5th & I-95S	I-95	Bridge - Replacement/Rehabilitation	Richmond		
BR-16	21531	VA-161	North Boulevard	CSX Railway	Bridge - Replacement/Rehabilitation	Richmond	\$ 9,000,000	\$ 14,000,000

 Preferred Alternative

* RRTPO staff are working to get some missing cost estimates

ConnectRVA 2045 Universe of Projects - Transit (Draft 3-08-2021)

Project ID	Corridor	Project Description	Project Type	From	To	Jurisdiction	Total Cost Estimates
TR-1	Midlothian corridor	14.3 miles, from CBD to Stonebridge replace less frequent service with more frequency; new service from Stonebridge to Chesterfield Town Center	Enhanced 15 min transit	CBD	Chesterfield Town Center	Richmond-Chesterfield	\$ 40,500,000
TR-2	Midlothian corridor	16.8 miles from the Pulse downtown station(s) to Westchester Commons, via Hull Street	Bus Rapid Transit	CBD	Westchester Commons	Richmond/Chesterfield	\$ 97,500,000
TR-3	RIC Airport	10.5 miles from CBD to Airport via Williamsburg Rd	Enhanced Route 7A/7B-15 min transit	CBD	RIC Airport	Richmond/Henrico	\$ 24,000,000
TR-4	Rt 1 North	10.77 miles from CBD to Parham Road	Enhanced route along existing from CBD to Wilmer/Chamberlayne and then extended to Parham Road	CBD	Parham Road	Richmond/Henrico	\$ 15,900,000
TR-5	Rt 1 North	15.7 miles from The Pulse BRT downtown to Ashland along US 1	Bus Rapid Transit	CBD	Ashland	Richmond/Henrico/Hanover/Ashland	\$ 42,500,000
TR-6	Broad St	11.5 miles from Willow Lawn to Short Pump	Enhanced route of existing Short Pump route to 15-minute service, transfer at Willow Lawn BRT to SPTC	Willow Lawn	Short Pump	Richmond/Henrico	\$ 24,000,000
TR-7	Broad St	9.8 miles extension of The Pulse BRT at Willow Lawn to Short Pump Mall	Bus Rapid Transit	Willow Lawn	Short Pump	Richmond/Henrico	\$ 125,000,000
TR-8	West End South	15.85 miles enhanced 15-min service	Combination of enhanced existing route to Regency and extension to Gayton Crossing	Cary/Main	Gayton Crossing	Richmond/Henrico	\$ 134,000,000
TR-9	West End South	18.1 miles from Cary and Main/Patterson/Regency Mall to Short Pump Mall	Bus Rapid Transit	Cary/Main	Short Pump	Richmond/Henrico	\$ 160,000,000
TR-10	NA	23rd Street & Franklin Street Neighborhood Transit Center	New Transit Center	NA	NA	Richmond	\$ 308,000

ConnectRVA 2045 Universe of Projects - Active Transportation (Draft 3-08-2021)

Project ID	Corridor /Route	Project Description	Project Type	From	To	Project Jurisdiction	Total Cost Estimates
AT-1	Fall Line / Route 1	Chesterfield Fall Line Trail: Segment 2B - MM 4.0 to MM 9.4	Off- Road/On-Road Trail	Brander Station Rd.	Route 10/W. Hundred Rd.	Chesterfield	\$ 3,347,106
AT-2	Fall Line / Route 1	Chesterfield Fall Line Trail: Park Ext to Chester Rd.	Off- Road/On-Road Trail	Chester Linear Park Ext	Chester Rd.	Chesterfield	\$ 12,584,736
AT-3	Fall Line / Route 1	Chesterfield Fall Line Trail: Segment 2D - MM 10.7 to MM 12.9	Off- Road/On-Road Trail	Chester Rd.	Galena Ave.	Chesterfield	\$ 4,169,684
AT-4	Fall Line / Route 1	Chesterfield Fall Line Trail: Segment 3A - MM 12.9 to MM 13.6	Off- Road/On-Road Trail	Galena Ave.	Kingsdale Rd.	Chesterfield	\$ 1,763,672
AT-5	Fall Line / Route 1	Chesterfield Fall Line Trail: Segment 3B - MM 13.6 to MM 14.9	Off- Road/On-Road Trail	Route 1/Kingsdale Rd.	Gettings Ln.	Chesterfield	\$ 3,879,791
AT-6	Fall Line / Route 1	Chesterfield Fall Line Trail: Segment 3C - MM 14.9 to MM 16.8	Off- Road/On-Road Trail	Gettings Ln.	Wayside Park/Falling Cr	Chesterfield	\$ 6,946,577
AT-7	Fall Line / Route 1	Chesterfield Fall Line Trail: Elliham Avenue to Dwight Avenue	Off- Road/On-Road Trail	Elliham Avenue	Dwight Avenue	Chesterfield	\$ 8,148,275
AT-8	Fall Line / Route 1	Chesterfield Fall Line Trail: Segment 3D - MM 16.8 to MM 17.7	Off- Road/On-Road Trail	Wayside Park/Falling Cr	Route 1	Chesterfield	\$ 1,579,069
AT-9	Fall Line / Route 1	Chesterfield Fall Line Trail: Falling Creek Ave. to Food Lion	Off- Road/On-Road Trail	Falling Creek Ave	Food Lion	Chesterfield	\$ 12,547,061
AT-10	Fall Line / Route 1	Chesterfield Fall Line Trail: Segment 3E - MM 17.7 to MM 18.6	Off- Road/On-Road Trail	Route 1	Walmsley Blvd	Chesterfield	\$ 596,994
AT-11	Fall Line / Route 1	Richmond Fall Line Trail: Walmsley to Bellemeade	Off- Road/On-Road Trail	Walmsley	Bellemeade	Richmond	\$ 16,171,264
AT-12	Fall Line / Route 1	Richmond Fall Line Trail: Segment 4B - MM 20.7 to MM 21.8	Off- Road/On-Road Trail	Bellemeade	Commerce Rd.	Richmond	\$ 969,857
AT-13	Fall Line / Route 1	Richmond Fall Line Trail: Segment 4C - MM 21.8 to MM 23.9	Off- Road/On-Road Trail	Commerce Rd.	Decatur St.	Richmond	\$ 5,722,345
AT-14	Fall Line / Route 1	Richmond Fall Line Trail: Segment 4D - MM 23.9 to MM 24.3	Off- Road/On-Road Trail	Semmes Ave.	Potterfield Bridge	Richmond	\$ 601,708
AT-15	Fall Line / Route 1	Richmond Fall Line Trail: Segment 5B - MM 25.6 to MM 26.6	Off- Road/On-Road Trail	3rd St.	W. Duval St.	Richmond	\$ 1,077,074
AT-16	Fall Line / Route 1	Richmond Fall Line Trail: Segment 5C - MM 26.6 to MM 27.6	Off- Road/On-Road Trail	W. Duval St.	Admiral St.	Richmond	\$ 3,144,408
AT-17	Fall Line / Route 1	Richmond Fall Line Trail: Segment 5D - MM 27.6 to MM 28.5	Off- Road/On-Road Trail	Admiral St.	Brookland Pkwy	Richmond	\$ 1,433,866
AT-18	Fall Line / Route 1	Richmond Fall Line Trail: Segment 6A - MM 28.5 to MM 30.5	Off- Road/On-Road Trail	Brookland Pkwy	Bellevue Ave.	Richmond	\$ 3,270,066
AT-19	Fall Line / Route 1	Richmond Fall Line Trail: Segment 6B - MM 30.5 to MM 31.2	Off- Road/On-Road Trail	Bellevue Ave.	Lakeside Ave.	Richmond	\$ 489,554
AT-20	Fall Line / Route 1	Henrico Fall Line Trail Phase 1: Park Street crossing at Lakeside	Off- Road/On-Road Trail	Bryan Park Ave	Spring Park	Henrico	\$ 800,000
AT-21	Fall Line / Route 1	Henrico Fall Line Trail Phase 4: Lakeside Community Trail Section III	Off- Road/On-Road Trail	Lakeside Recreation Area	Hilliard Road	Henrico	\$ 4,302,000
AT-22	Fall Line / Route 1	Henrico Fall Line Trail Phase 5: Hilliard Road/Brook Road	Off- Road/On-Road Trail	Hilliard Road	Lakeside Avenue	Henrico	\$ 10,177,314
AT-23	Fall Line / Route 1	Henrico Fall Line Trail Phase 6: Villa Park	Off- Road/On-Road Trail	Lakeside Avenue	Parham Road	Henrico	\$ 4,200,000
AT-24	Fall Line / Route 1	Henrico Fall Line Trail Phase 7: Longdale	Off- Road/On-Road Trail	Parham Road	Woodman Rd Extended	Henrico	\$ 26,006,629
AT-25	Fall Line / Route 1	Henrico Fall Line Trail Phase 8: Chickahominy River Crossing	Off- Road/On-Road Trail	Woodman Rd Extended	Cedar Ln	Henrico/ Hanover	\$ 4,989,908
AT-26	James River Branch	Multi-use trail on the CSX right-of-way in Southside Richmond	Off Road Trail	Route 1/Cofer Rd	Westover Hills Blvd	Richmond	\$ 14,303,410
AT-27	Gillies Creek Greenway	Separated, paved, multi-use paths through the East End of Richmond along Gillies Creek.	Off Road Trail	James River	Armstrong High School	Richmond	\$ 3,758,546
AT-28	East End Trail/West Creek Trail	Trail through West Creek area of Goochland County	Off Road Trail	West Creek/Patterson	Wilkes Ridge Pkwy	Goochland	\$ 1,164,000

ConnectRVA 2045 Universe of Projects - Active Transportation (Draft 3-08-2021)

Project ID	Corridor /Route	Project Description	Project Type	From	To	Project Jurisdiction	Total Cost Estimates
AT-29	James River Heritage Trail	James River Heritage Trail : Henrico	Off Road Trail	Richmond City Line	Goochland County Line	Henrico	\$ 14,000,000
AT-30	Cox Rd	Cox Rd Bike Facility	Segregated Bike Lane	US-250	North end of Cox Rd	Henrico	\$ 6,000,000
AT-31	Nuckols Rd Trail	Multiuse Trail	Off Road Trail	Springfield Rd.	Francistown Rd.	Henrico	\$ 2,600,000
AT-32	Ashcake Rd	Spur to Fall Line	On Road Trail	Giddy Up Ln	US- 1	Ashland	
AT-33	Magolia Ridge Dr	Multiuse trail connecting Fall Line to Virginia Center Commons	Off Road Trail	Brook Rd	Woodman Rd Extended	Henrico	
AT-34	Route 155	Connection between Charles City and New Kent courthouses (spur from Virginia Capital Trail)	Off Road Trail	VA 5-Chas City schools	VA- 249	Charles City/New Kent	
AT-35	Sadler Rd Connector	Multiuse trail	Shared Use Path	Dominion Blvd	Sadler Place	Henrico	
AT-36	Cannon Creek connector	Combination of shared-use path on Hospital Street and two-way cycletrack along Oliver Hill Way to connect to the cycletrack being designed as part of the Shockoe Streets Improvement Project with a terminus at Balding Street	Shared Use Path/Cycletrack	Hospital St	Balding St	Richmond	\$ 700,000
AT-37	Connector to Stratton Park	Shared Use Path (eventually connecting Stratton Park to Pocahontas State Park)	Off Road Trail	VA-150	Jessup Road	Chesterfield	

* RRTPO staff are working to get some missing cost estimates

ConnectRVA 2045 Universe of Projects - Park and Ride (Draft 3-08-2021)

Project ID	Project Location /Route /Corridor	Project Description	Jurisdiction	Project Cost Estimates
PR-1	VA Center Commons/I-295/I-95	New P&R Lot of 380 Spaces on 2.6 AC	Henrico or Hanover	\$ 8,300,000
PR-2	Lewistown Rd/Lakeridge Pkwy or Ashland	New P&R Lot of 200 spaces on 1.4 AC	Hanover or Ashland	\$ 4,500,000
PR-3	Midlothian @ Chippenham	New P&R lot of 270 spaces on 1.9 AC	Chesterfield or Richmond	\$ 7,300,000
PR-4	East End CBD at Pulse Terminus-Rocketts	New P&R lot of 130 spaces on 0.9 AC parcel	Henrico or Richmond	\$ 3,000,000
PR-5	I-64/US-60 at Laburnum Rd	New P&R lot of 120 spaces on 0.8 AC parcel	Henrico	\$ 2,850,000
PR-6	I-295at US-60-Technology Blvd/Elko Rd	New P & R lot of 120 space on 0.8 AC as alternative to Bottoms Bridge P&R expansion which is over-capacity	Henrico or New Kent	\$ 2,850,000
PR-7	VA-10/VA- 288 at I-95/I-295	New P&R lot of 250 spaces on 1.7 AC	Chesterfield	\$ 5,600,000
PR-8	US-250 at Willow Lawn/Staples Mill (Pulse western terminus)	New P&R lot subject of much site search, 290 spaces on 2.0 AC	Henrico or Richmond	\$ 6,000,000
PR-9	Huguenot Rd at Forest Hill Ave	New P&R lot to replace unofficial lot, 130 spaces on 0.9 AC	Chesterfield or Richmond	\$ 3,000,000
PR-10	I-64 at I-295 in Short Pump	New P & R lot of 320 spaces on 2.2 AC	Henrico	\$ 7,000,000
PR-11	VA- 5	New P & R lot	Henrico	\$ 7,500,000
PR-12	VA- 76/US-60	New P & R lot	Chesterfield	\$ 5,000,000
PR-13	VA-76/Jhanke	New P & R lot	Chesterfield	\$ 5,000,000
PR-14	VA-288 at US-250	New P & R lot near US 288/US 250 interchange of 100 parking spaces	Goochland	\$ 1,800,000
PR-15	I-64 & VA- 623 (Ashland Rd)	Relolating existing P & R lot with 180 parking spaces	Goochland	\$ 1,800,000

ConnectRVA 2045 Universe of Projects - Rail (Draft 3-08-2021)

Project ID	Project Description	Type	Jurisdiction	Project Cost Estimates
RA-1	Improvements to CSX Bellwood Sub (S-Line) to support increased passenger rail service. Construction of additional trackage along CSX Bellwood Sub (S-Line) and bridge over James River as part of Transforming Rail in Virginia initiative.	Enhancement - Capacity	Multi-Jurisdictional	\$500,000,000
RA-2	CSX S-Line Crossing Improvements. Grade separate or gate key crossings as they relate to increased usage of the CSX Bellwood Sub (S-line) for both freight & future passenger rail per Transforming Rail in Virginia initiative	Enhancement- Grade Separation	Multi-Jurisdictional	\$66,250,000
RA-3	Improvements to CSX Bellwood Sub (S-Line).Construction of sidings and leads as needed to provide rail access to Alleghany Warehouse and Altria / DuPont development areas along Commerce Road.	Industrial Access	Richmond	\$2,690,000
RA-4	Improvements to CSX Peninsula Sub line. Construction of sidings and leads as needed to provide rail access to select parcels within RIC/White Oak area	Industrial Access	Henrico	\$6,000,000
RA-5	Improvements to CSX Bermuda Hundred Lead. Construction of sidings and leads as needed to provide rail access to select parcels within Meadowville area	Industrial Access	Chesterfield	\$3,600,000
RA-6	Improvements to NS Burkeville to West Point line. Construction of sidings and leads as needed to provide rail access to select parcels within RIC/White Oak area	Industrial Access	Henrico	\$3,000,000
RA-7	Improvements in Hanover Siding. Construction of 2.9 miles of third track between the South Anna River and W. Vaughan Road. Construction of a single-track bridge at Elletts Crossing Road. Modify the at-grade crossing at Vaughan Road and reconstruct the roadway bridge at Washington Highway to accommodate the proposed third track between South Anna River and W. Vaughan Road	Enhancement -Capacity	Hanover/Ashland	\$60,000,000
RA-8	Replacement of existing Staples Mill AMTRAK Station-Phase I-Site Work and Building replacement (30% prelim DD 2026 estimate)	Enhancement -Station Improvement	Henrico	\$259,000,000
RA-9	Replacement of existing Staples Mill AMTRAK Station-Phase II- Track relocation, platform (30% prelim DD-2030 estimate)	Enhancement -Station Improvement	Henrico	\$397,000,000
RA-10	Replacement of existing Staples Mill AMTRAK Station-Phase III-Related land for full function (30% prelim DD-later years as per full build-out)	Enhancement -Station Improvement	Henrico	\$79,000,000