

**Vision 2040 Amendment 2 Draft Constrained List - August 1, 2019**

Orange items below were added in Amendment 1; Blue items are part of Amendment 2; red text is an adjustment, FYI; blue or white text indicate changes since the July TTC meeting.

Project # (as of 8/1/19)	UPC	Jurisdiction	Project Title	Project Limits	Project Description	Projected Cost	Previous Funding	Estimated Cost in Year of Expenditure	SYIP	Short	Medium	Long	Longer	Project Moving Forward?	August 1, 2019 Status
									FY 2016-2021 Timeframe Cost Estimate	FY 2022-2027 Timeframe Cost Estimate	FY 2028-2033 Timeframe Cost Estimate	FY 2034-2039 Timeframe Cost Estimate	2040 Timeframe Cost Estimate		
1	107053	Bedford Co.	Rte. 24 Bedford County - Safety Improvements (RVTP0 portion is 0.4 mi. of 1.5 mi.)	Rte. 886 to 0.26 mi. E of Rte. 635 (RVTP0 Portion is 0.4 mi. Of 1.5 mi.)	VDOT Project Pool Description: To improve safety by paving existing shoulders, installing rumble strips, and upgrading or replacing deficient guardrail.	\$432,000	\$0	\$432,000	\$432,000	\$0	\$0	\$0	\$0	Yes	Complete
2 and A2-30	75910	Botetourt Co.	Exit 150 Improvement Project: Rte. 11,220,220A Access Management Project at I-81 Exit 150	0.3 mi. S of U.S. 220 to 0.74 mi. N of U.S. 220	Improvements to the safety and traffic flow at the existing intersection and associated northbound movements from and to Interstate 81.VDOT Project Pool Description: improvements for safety and congestion at Exit 150; multiple improvements and changes to the interchange area are included with this project.	\$50,269,000	\$27,438,000	\$22,831,000	\$22,831,000	\$0	\$0	\$0	\$0	Yes	Complete
3	107521	Botetourt Co.	Daleville Greenway	Botetourt Center at Greenfield to Daleville Town Center	Greenway connecting Botetourt Center at Greenfield with neighborhoods and businesses along Route 220 south to the Daleville Town Center. VDOT Project Pool Description: Design and construction of a trail from the intersection of US-220 and Catawba Road to the intersection of US-220 and International Parkway.	\$595,000	\$0	\$595,000	\$595,000	\$0	\$0	\$0	\$0	Yes? Yes	?? - Project not in final FY20-SYIP. RW underway.
4	N/A	Botetourt Co.	Exit 150 Park and Ride	In the vicinity of Exit 150 and U.S. 220	FY18 Smart Scale Application: Construct New Park and Ride facility near Exit 150 in Daleville. The facility will also include bus shelters, bicycle racks, sidewalk, and wayfinding signs.	\$7,731,930	\$0	\$11,023,883	\$0	\$0	\$11,023,883	\$0	\$0	No	N/A
A1-1 / A2-1	113571	Botetourt Co.	U.S. 220/International Parkway Intersection Study and Design			\$4,551,000	\$0	\$4,551,000	\$300,000	\$4,251,000	\$0	\$0	\$0	Yes	Full funding secured through FY25.

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A1-8	82226	Botetourt Co.	Rte. 11 over Beckner Branch (STR. 03160) – Bridge Replacement	Rt. 11 at Beckner Branch	Bridge replacement, no added capacity.	\$5,629,000	\$ 2,265,000	\$3,364,000	\$3,364,000	\$0	\$0	\$0	\$0	Yes	Complete
5	709	City of Roanoke	10th Street Improvements	0.018 mi. S of Fairfax Dr. to 0.038 mi. N of Andrews Rd.	Street improvements to include geometric changes and the addition of bike lanes, curb and gutter, sidewalk, storm drains and street trees. VDOT Project Pool Description: reconstruct 10th St. to 2 lanes with C&G, bike lanes, and sidewalk.	\$22,477,000	\$19,018,000	\$3,459,000	\$3,459,000	\$0	\$0	\$0	\$0	Yes	Complete
6	11908	City of Roanoke	HB2 FY17 10TH Street - 2 Lane, Bike Lane, Curb & Gutter, Sidewalk	0.38 mi. N Andrews Rd. to Williamson Rd.	Street improvements to include geometric changes and the addition of bike lanes, curb and gutter, sidewalk, storm drains and street trees. VDOT Project Pool Description: Reconstruct 10th St. to 2 lanes with C&G, sidewalk, and bike lanes	\$17,451,245	\$5,000,000	\$12,451,245	\$12,451,245	\$0	\$0	\$0	\$0	Yes	CN underway
7	105439	City of Roanoke	Roanoke River Greenway (Aerial Way Dr. to Roanoke Ave. SW Extended)	Aerial Way Dr. to Bridge Street	Construction of 1.7 miles of the Roanoke River Greenway from Aerial Way Drive to Bridge Street	\$5,075,000	\$7,534,000	\$750,000	\$750,000	\$0	\$0	\$0	\$0	Yes	Complete
8	106265	City of Roanoke	Garden City Blvd. Bike/Ped - Transportation Alternatives	Davenport Ave./ Ivywood St. to Riverland Rd.	8' wide multi-use trail. VDOT Project Pool Description: Design and construction of bicycle and pedestrian facilities on Garden City Boulevard.	\$1,000,000	\$754,000	\$246,000	\$246,000	\$0	\$0	\$0	\$0	Yes	Complete
9	108896	City of Roanoke	HB2 FY17 Colonial Avenue Improvements	Dogwood Ln. SW to Overland Rd. SW	Streetscape, C&G, sidewalk, drainage, bicycle accommodations. VDOT Project Pool Description: Street, bicycle and pedestrian improvements near Murray Run Greenway, Fishburn Park Elem School and VWCC. Installation of bike lanes, sidewalk to both sides of the street, improved pedestrian crossings, and intersection improvements at Overland Rd, McNeil Rd, and Winding Way Rd.	\$7,000,000	\$4,455,000	\$2,545,000	\$2,545,000	\$0	\$0	\$0	\$0	Yes	CN Underway

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10	108908	City of Roanoke	HB2 FY17 U.S. 220 Communications and Adaptive System Project	Valley Ave/ Southern Hills Dr. SW to Clearbrook Village Ln.	There are five signalized intersections within the study area. In-Sync will monitor and prioritize the queues at each approach of each of the intersections in the system. The project will also install new cameras at all five intersections allowing VDOT to remotely access the traffic volumes and view live traffic to monitor coordination on the corridor. VDOT Project Pool Description: U.S. 220 has heavy directional traffic flow NB in the AM and SB in the PM. In-Sync will monitor and prioritize queues at each approach & prioritize to allow NB AM platoons & SB PM platoons to proceed through the corridor. Additionally, will connect the VDOT Traffic Operations Center (TOC) via Fiber Optic Connection on I-81.	\$422,500	\$0	\$422,500	\$422,500	\$0	\$0	\$0	\$0	Yes	Completed 8/2018
11	109288	City of Roanoke	HB2 FY17 Transit Accessibility Improvements on Edgewood Street	Windsor Ave. to Memorial Ave.	Sidewalk construction. VDOT Project Pool Description: Transit accessibility improvements on Edgewood Street in the City of Roanoke. The project would provide transit stop improvements as well as missing gap sidewalks between the bus stops at Windsor Avenue and at Westover Avenue along Edgewood Street.	\$350,811	\$0	\$350,811	\$350,811	\$0	\$0	\$0	\$0	Yes	Completed 10/2018

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12 / A2-4	110101	City of Roanoke	Tinker Creek Trail Extension	Wise Avenue north to Masons Mill Park	Multi-use urban bike/ped recreational trail following the Tinker Creek stream and connecting Fallon Park, Masons Mill Park, and Roanoke's Center for Industry and Technology. VDOT Project Pool Description: The proposed extension to the existing Tinker Creek Trail would provide for a 10' wide asphalt bicycle and pedestrian shared use trail from Fallon Park, located near Wise Avenue, to Masons Mill Park. Project includes two bridges over Tinker Creek near Masons Mill Park.	\$7,850,109	\$0	\$7,850,109	\$7,251,474	\$598,635	\$0	\$0	\$0	Yes	PE in progress; ROW in FY20. Construction in FY22.
13 / A2-5	111360	City of Roanoke	Franklin Road sidewalk	0.16 mi S. of Beechwood to Penarth	Sidewalk construction. FY18 Smart Scale Application: The project scope includes construction of new sidewalk along the west side of business 220, Franklin Road, from the 3100 block to the 3700 block adjacent to the 220 bypass. Improvements include sidewalk construction, improved pedestrian crosswalks, pedestrian signals, and additional drainage improvements as warranted by sidewalk construction.	\$1,704,000	\$0	\$1,704,000	\$0	\$1,704,000	\$0	\$0	\$0	Yes	PE in progress; CN in FY21.
14 and A2-32	115460	City of Roanoke	220 Expressway/Route 419-Interchange Improvement Route 419/Route 220 Diverging Diamond Interchange	U.S. 220 and VA 419	Route 419 and Route 220: Construct Diverging Diamond Interchange (DDI) and modify signals along the Route 419 corridor to improve operations by eliminating movements/phases, per the corridor operations analysis.	\$17,504,866	\$0	\$17,504,866	\$1,708,643	\$15,796,223	\$0	\$0	\$0	Yes	PE in FY20, CN by FY24/25
15	N/A	City of Roanoke	Valley View Boulevard Extension from I-581 to Cove Road			\$48,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	No	Applied for but did not receive SMART SCALE Round 1 funding.

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16	111370	City of Roanoke	Hollins Rd. and Orange Ave. Intersection Improvements	Intersection of Orange Avenue and Hollins Rd.	Addition of an EB right turn lane on Orange Ave. at Hollins Rd. and additional left turn lanes in both directions on Orange Ave., widen / add capacity to Hollins Rd. in both directions in the immediate vicinity of the intersection.	\$3,552,000	\$0	\$3,552,000	\$500,000	\$3,052,000	\$0	\$0	\$0	Yes	Construction underway.
A1-2	113568	City of Roanoke	Roanoke River Greenway Bridge across Barnhardt Creek	Roanoke River at Barnhardt Creek	Construct a 140' greenway trail bridge across Barnhardt Creek as part of the Roanoke River Greenway.	\$897,770	\$0	\$897,770	\$897,770	\$0	\$0	\$0	\$0	Yes	PE underway, CN in FY21
A1-9	111135	City of Roanoke	Flashing Yellow Arrow - VARIOUS LOCATIONS - ROANOKE CITY	City of Roanoke various locations	Install flashing yellow arrows at traffic signals in various locations.	\$277,000	\$0	\$277,000	\$110,000	\$167,000	\$0	\$0	\$0	Yes	PE in FY20, CN in FY21.
A1-10	111137	City of Roanoke	Rectangular Rapid Flashing Beacons - ROANOKE CITY	City of Roanoke various locations	Install rectangular rapid flashing beacons in various locations.	\$108,000	\$0	\$108,000	\$18,000	\$90,000	\$0	\$0	\$0	Yes	PE in FY20, CN in FY21.
A1-11	113324	City of Roanoke	Installation of Pedestrian Countdown Signal on Orange Avenue	Orange Avenue at Gainsboro Rd./Burrell St.	Installation of Pedestrian Countdown Signal on Orange Avenue	\$102,000	\$0	\$102,000	\$5,000	\$97,000	\$0	\$0	\$0	Yes	PE in FY21, CN in FY23.
A2-2	N/A	City of Roanoke	Bus Transit Facility - Valley Metro	300 Block of Salem Avenue	New transit facility to replace Campbell Court.	\$13,000,000	\$0	\$13,000,000	\$600,000	\$12,400,000	\$0	\$0	\$0	Yes	PE in FY20, need funding for CN.
A2-3	N/A	City of Roanoke	Orange Avenue		Widening by one lane in each direction, 11th St. to Gus-Nicks Blvd.	\$73,523,000	\$0	Depends on YOY	\$0	?	?	?	?	No	Unsuccessful in SMART SCALE 3
A2-6	109558	City of Roanoke	Flashing Yellow Arrow Upgrade - Williamson Rd & Airport Rd	Williamson Rd. at Airport Rd.		\$21,000	\$0	\$21,000	\$21,000	\$0	\$0	\$0	\$0	Yes	Complete
A2-7	109562	City of Roanoke	Flashing Yellow Arrow Upgrade - Valley View			\$23,000	\$0	\$23,000	\$23,000	\$0	\$0	\$0	\$0	Yes	Complete
A2-8	109566	City of Roanoke	Orange Avenue/Blue Hills Signal Upgrade	Orange Avenue at Blue Hills Dr.		\$11,000	\$0	\$11,000	\$11,000	\$0	\$0	\$0	\$0	Yes	Complete
A2-9	109567	City of Roanoke	Flashing Yellow Arrow Upgrade - Jefferson St. & Elm Ave.	Jefferson St. at Elm Ave.		\$11,000	\$0	\$11,000	\$11,000	\$0	\$0	\$0	\$0	Yes	Complete
A2-10	109569	City of Roanoke	Flashing Yellow Arrow Upgrade - Brandon Ave. & Colonial Ave.	Brandon Ave. at Colonial Ave.		\$23,000	\$0	\$23,000	\$23,000	\$0	\$0	\$0	\$0	Yes	Complete

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A2-11	109570	City of Roanok	Orange Avenue/Hollins Road Signal Upgrade	Orange Ave. at Hollins Rd.		\$562,000	\$0	\$562,000	\$562,000	\$0	\$0	\$0	\$0	Yes	PE in progress, CN in FY20
A2-12	16595	City of Roanok	Rte 581 - Valley View Interchange Phase II	0.3 mi. S. Rt. 101/ Hershberger Rd. to 1.56 mi. S. Rt. 101/ Hershberger Rd.		\$60,409,000	\$52,867,000	\$7,542,000	\$7,542,000	\$0	\$0	\$0	\$0	Yes	Complete
A2-13	N/A	City of Roanok	9th Street Pedestrian and Transit Improvements		Add bus shelters, pedestrian signals, upgraded ADA curb ramps.	\$400,000	\$0	\$570,304	\$0	\$0	\$570,304	\$0	\$0	No	New project seeking funding.
A2-14	115454	City of Roanok	Orange Avenue (U.S. 460) Improvements	King St. at Blue Hills/Mexico Way	Extend the westbound turn lane at the intersection of Orange Avenue and King Street to reduce congestion resulting from left-turn vehicles spilling back into adjacent through movement. Implement safety countermeasures aimed at addressing crash trends at and between the King and Blue Hills/Mexico Way intersections. Improve the bicycle, pedestrian, and transit facilities along the corridor.	\$2,819,000	\$0	\$4,019,220	\$0	\$0	\$4,019,220	\$0	\$0	Yes	Funded and to begin in FY24/25.
A2-15	N/A	City of Roanok	Aviation Drive / Valley View Blvd Pedestrian Improvements	Airport Entrance at 4800 Blk of Valley View Blvd.	New sidewalk and ADA ramp construction.	\$3,000,000	\$0	\$4,277,283	\$0	\$0	\$4,277,283	\$0	\$0	No	New project seeking funding.
A2-16	N/A	City of Roanok	Mill Mt connection to Garden City Greenway	Garden City Blvd. at Parking Lot at base of Mill Mt.	Wide sidewalk to connect Garden City Greenway to Mill Mt Park	\$1,800,000	\$0	\$2,566,370	\$0	\$0	\$2,566,370	\$0	\$0	No	New project seeking funding.

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A2-17	N/A	City of Roanoke	Roanoke River Greenway - East	Watewater Treatment Plant Trailhead at Brownlee Avenue at Current Greenway Connection on Underhill Avenue	Greenway connection between trailhead and Underhill Avenue	\$6,400,000	\$0	\$9,124,870	\$0	\$0	\$9,124,870	\$0	\$0	No	New project seeking funding.
A2-34	114765	City of Roanoke	PSAP Pedestrian Signal Upgrades	14 intersections in Downtown Roanoke at	Upgrading pedestrian signals downtown to add accessible pedestrian beacons and countdown signals.	\$230,000	\$0	\$230,000	\$230,000	\$0	\$0	\$0	\$0	Yes	Construction in FY19-20.
A2-35	??	City of Roanoke	PSAP New Pedestrian Signals	Eight intersections in the City of Roanoke at	Adding new pedestrian signals and upgraded ADA curb ramps.	\$751,196	\$0	\$751,196	\$751,196	\$0	\$0	\$0	\$0	Yes	Construction in 2019.
17	8753	City of Salem	HB2 FY17 U.S. 460 - Widen TO 3 Lanes w/ Bike Lane, Curb, Sidewalk	0.028 mi. W Rte. 311 (Thompson Memorial Boulevard) at 0.006 mi. W of Brand Ave.	Widening to 3 lanes. VDOT Project Pool Description: Improve drainage, capacity, and non-motorized trans facilities on E. Main St. from Rt. 311 to Brand Ave. by adding storm sewer, curbing, sidewalks, bike lanes, and turn lanes. A traffic signal will be added at Lynchburg Turnpike also.	\$15,223,263	\$12,310,279	\$2,912,984	\$2,912,984	\$0	\$0	\$0	\$0	Yes	CN underway
18	108853	City of Salem	East Main Street / College Avenue - Pedestrian Improvements	Clay St. at Thompson Memorial Blvd.	VDOT Project Pool Description: East Main Street / College Avenue Pedestrian Improvements - Sidewalk replacement, crosswalks	\$1,001,000	\$0	\$1,001,000	\$1,001,000	\$0	\$0	\$0	\$0	Yes	PE underway, CN in FY20.
19	108899	City of Salem	HB2 FY17 Multimodal Improvements along Boulevard	McDivitt Rd. 08 mi west of Reavis Ln at Salem City Limit	VDOT Project Pool Description: Eight-foot-wide sidewalk on the north side of Roanoke Blvd with appropriate amenities (e.g. landing pads, benches, shelters, etc.) at transit stops in front of Salem Health and Rehab, at the intersection of Hemlock Road and Roanoke Blvd, and at the Adult Care Center	\$884,881	\$0	\$884,881	\$884,881	\$0	\$0	\$0	\$0	Yes	CN underway

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20	111371	City of Salem	Downtown Streetscape and Intersection Improvements	East Main St. between N. Market St. & Thompson Memorial Dr.	FY18 Smart Scale Application: Improvements to intersections, transit, turn movements, and streetscape in Downtown Salem.	\$3,629,869	\$0	\$3,629,869	\$1,965,869	\$1,664,000	\$0	\$0	\$0	Yes	PE underway, CN FY21
21	N/A	City of Salem	East Main Street Phase II – Brand Ave. to Kessler Mill	Brand Avenue at Kessler Mill Road	SS/Project Pool Combined: Improve drainage, capacity, and non-motorized trans facilities on E. Main St. from Brand Ave. to Kessler Mill Rd. by adding storm sewer, curbing, sidewalks, bike lanes, and turn lanes	\$13,000,000	\$0	\$22,131,630	\$0	\$0	\$0	\$22,131,630	\$0	No	Project requires funding.
22	N/A	City of Salem	East Main Street/Downtown Salem Streetscape	Downtown Salem	Improvements to intersections, crosswalks, transit, utilities, and streetscape in Downtown Salem.	\$3,500,000	\$0	\$5,958,516	\$0	\$0	\$0	\$5,958,516	\$0	No	Project requires funding.
A1-15	N/A	City of Salem	Downtown Salem - College Ave. Improvements	College Ave. from Thompson Memorial Dr. to 4th St.	Streetscape on College Ave. – improve turn movements at Thompson Memorial, Roanoke Blvd., and 4th Street; add sidewalks, street furniture and plantings, lighting, pedestrian crossings, etc.	\$3,500,000	\$0	\$5,958,516	\$0	\$0	\$0	\$5,958,516	\$0	No	Project requires funding.
23	111367	City of Salem	Mason Creek Greenway from Route 460 to Roanoke River Greenway	Route 460 to Roanoke River Greenway	FY18 Smart Scale Application (Mason Creek Greenway Phase 3 - 419 Multimodal Improvements): Completes the missing link between the Mason Creek Greenway and Hanging Rock Battlefield Trail, and completes missing links to neighborhoods. Improves transit stops at various locations along US 460 and increases 419 mode choice.	\$2,610,000	\$0	\$2,610,000	\$0	\$2,610,000	\$0	\$0	\$0	Yes	PE in FY22, RW & CN in FY24
24	N/A	City of Salem	Roanoke River Greenway from Rotary Park to Roanoke City Corporate Limit	Rotary Park at Roanoke City Corporate Limit	Complete the greenway between Rotary Park and the Roanoke City Limit.	\$3,000,000	\$0	\$3,929,720	\$0	\$1,791,078	\$2,138,641	\$0	\$0	No	Project requires funding.



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A1-4	113566	City of Salem	Elizabeth Greenway	Various	Construct approximately 1.5 miles of multiuse trail and sidewalk within the Elizabeth Campus property and the Salem Commerce Park. Complete missing links between East Main Street and Mason Creek Greenways. Connect various land uses within the area and enable transit access.	\$1,104,400	\$0	\$1,104,400	\$1,104,400	\$0	\$0	\$0	\$0	Yes	PE FY20, RW FY22, CN FY23
A2-28	106486	City of Salem	Eddy Ave Bike/Ped Bridge	David Smith Trail at Phase 3A Roanoke River Greenway		\$1,369,000	\$1,142,486	\$226,514	\$226,514	\$0	\$0	\$0	\$0	Yes	Complete
25	N/A	Multi-Jurisdictional	Ongoing Bus Replacement and Rebuild Program	Systemwide	Ongoing efforts to maintain existing regional public transportation services by replacing or rebuilding transit vehicles as needed.	\$27,200,000	\$0	\$44,298,755	\$0	\$5,223,015	\$22,452,710	\$6,843,015	\$9,780,015	No	Known future year needs - to be funded when required.
26	111882	Multi-Jurisdictional	Real Time Information System (short-term)	Systemwide	FY18 Smart Scale Application: Put in place an automatic vehicle locator system that includes a set of integrated technologies such as real-time passenger information via smartphone and the internet, automated passenger counters, digital transit service information signs in real-time.	\$1,904,000	\$0	\$1,904,000	\$900,000	\$1,004,000	\$0	\$0	\$0	Yes	CN in FY21
27	N/A	Multi-Jurisdictional	Six (6) Additional Vehicles (short-term)	Systemwide	Six (6) new vehicles in the short-term to support expansion of current public transportation network.	\$2,800,000	\$0	\$3,992,130	\$0	\$0	\$3,992,130	\$0	\$0	No	Project requires funding.
28	<del>included in 110101 proj</del>	Multi-Jurisdictional	Tinker Creek Greenway Connectivity Study	Wise Avenue to Daleville Town Center	Location and feasibility study for extension of Tinker Creek Greenway from Mason Mill Park to Daleville Town Center	\$400,000	\$0	\$400,000	\$400,000	\$0	\$0	\$0	\$0	Yes	Included in 110101 Tinker Creek Trail Extension.
29	N/A	Multi-Jurisdictional	Tinker Creek Pedestrian Bridge	Tinker Creek Greenway to Glade Creek Greenway	REMOVED FROM CONSTRAINED LIST. PROJECT REPLACED BY A1-6.	\$1,459,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	N/A	Funding removed - project no longer desired.

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30	N/A	Multi-Jurisdictional	Valley Metro Expanded Maintenance Facility	Vacant 0.68-acre lot adjacent to current administration facility on Campbell Ave SE	FY18 Smart Scale Application: construct a maintenance expansion facility on vacant 0.68-acre lot adjacent to current admin facility on Campbell Ave SE to address expanding fleet.	\$2,200,000	\$0	\$3,136,674	\$0	\$0	\$3,136,674	\$0	\$0	No	SMART SCALE funding sought, not granted.
31	T18675	Multi-Jurisdictional	Valley Metro Transit Vehicle Replacements	Systemwide	Address the short-term need to replace transit vehicles to maintain fixed-route transit services in the Roanoke Valley.	\$13,622,784	\$0	\$13,622,784	\$9,618,071	\$4,004,713	\$0	\$0	\$0	Yes	Project in progress.
32	111879	Multi-Jurisdictional	Smart Way Vehicle Expansion Project	City of Roanoke to Town of Blacksburg	Purchase three (3) 40' Over-the-Road (OTR) coaches to support an express commuter connection from Virginia Tech (Blacksburg) to the Virginia Tech Carilion Research Institute in Roanoke.	\$618,000	\$0	\$618,000	\$618,000	\$0	\$0	\$0	\$0	Yes	SMART SCALE funding received.
33	111880	Multi-Jurisdictional	Valley Metro 91/92 Vehicle Expansion	City of Roanoke to City of Salem	Provide three (3) new 40' transit vehicles to serve the insufficient capacity currently on Valley Metro Routes 91/92	\$1,700,000	\$0	\$1,700,000	\$0	\$1,700,000	\$0	\$0	\$0	Yes	Complete.
34 and A2-18	77305	Roanoke Co.	Rte. 116/Jae Valley Rd. over Back Creek - Bridge Replacement	0.285 mi. S Rte. 945 at 0.584 mi. S Rte. 945	VDOT Project Pool Description: Bridge Replacement - Rte. 116 over Back Creek (Ext. Str. ID 14928 - VA Str. No. 1087)	\$7,171,589	\$4,317,000	\$4,382,096	\$4,382,096	\$0	\$0	\$0	\$0	Yes	Construction in progress.
35	82193	Roanoke Co.	Rt. 220 over Back Creek Bridge Replacement	0.199 Mi. South of Route 657 at 0.311 Mi.	Replace bridge over Back Creek	\$19,208,000	\$7,429,000	\$10,396,000	\$10,396,000	\$0	\$0	\$0	\$0	Yes	CN underway
36	91191	Roanoke Co.	Roanoke River Greenway - City of Roanoke to Blue Ridge Parkway	City of Roanoke limit at Blue Ridge Parkway	VDOT Project Pool Description: Construction of a Roanoke River Greenway Trail section from the City of Roanoke to the Blue Ridge Parkway and Virginia's Explore Park	\$6,858,000	\$5,250,000	\$1,608,000	\$1,608,000	\$0	\$0	\$0	\$0	Yes	CN ROW underway; project not in FY20 SYIP.

Project # (as of 8/1/19)	UPC	Jurisdiction	Project Title	Project Limits	Project Description	Projected Cost	Previous Funding	Estimated Cost in Year of Expenditure	FY 2016-2021 Timeframe Cost Estimate	FY 2022-2027 Timeframe Cost Estimate	FY 2028-2033 Timeframe Cost Estimate	FY 2034-2039 Timeframe Cost Estimate	2040 Timeframe Cost Estimate	Project Moving Forward?	August 1, 2019 Status
37	94726	Roanoke Co.	Rt. 221 over Martins Creek Bridge Replacement	0.01 mi. south of the Route 221/Route 696 intersection 0.03 mi S. Int Rte 696 at 0.01 mi. north of the Route 221/Route 696 intersection 0.07 mi N. Int. Rte 696	Replace bridge over Martin's Creek	\$3,648,000	\$0	\$3,648,000	\$3,648,000	\$0	\$0	\$0	\$0	Yes	RW underway, CN FY21.
38 and A2-19	97171	Roanoke Co.	HB2 FY17 Roanoke River Greenway, Green Hill Park to Riverside Park	Green Hill Park to Riverside Park	VDOT Project Pool Description: Construction of a section of the Roanoke River Greenway connecting the trail from Green Hill Park in Roanoke County to Riverside Park in the City of Salem.	\$8,931,000	\$3,489,926	\$5,441,074	\$4,525,074	\$916,000	\$0	\$0	\$0	Yes	Construction in progress.
39	99542	Roanoke Co.	Exit 140 Park and Ride Reconstruction	Int. Rte. 1128 & Rte. 1150 to 0.17 mi. W of Int. Rte. 1128 & 1150	VDOT Project Pool Description: Improvements to exist. lot include add'l parking, designated bus loading area, constr. of bus shelters, & constr. of sidewalk along Rte 311.	\$3,511,000	\$2,176,000	\$1,502,079	\$474,000	\$1,028,079	\$0	\$0	\$0	Yes	Complete.
40	107054	Roanoke Co.	Rte. 311 (under I-81) Bike & Ped Safety Improvements	NCL Salem to 0.02 Mi. N of I-81 SB Ramp	VDOT Project Pool Description: Project will construct a sidewalk extension to the Exit 140 Park and Ride in conjunction with the Park and Ride improvement project.	\$805,000	\$105,000	\$700,000	\$700,000	\$0	\$0	\$0	\$0	Yes	Complete
41 and A2-33	107055	Roanoke Co.	U.S. 11/Williamson Rd. & Rte. 117/Peters Creek Rd. (from Peters Creek Rd. to Bike & Pedestrian Safety Improvements	Rte. 117 to U.S. 11	VDOT Project Pool Description: Project will upgrade signals, add pedestrian push buttons and crosswalks to existing signalized intersections on Routes 11 & 117 in Roanoke County.	\$1,220,000	\$0	\$1,220,000	\$495,000	\$725,000	\$0	\$0	\$0	Yes	PE underway, RW FY21, CN FY22.

Project # (as of 8/1/19)	UPC	Jurisdiction	Project Title	Project Limits	Project Description	Projected Cost	Previous Funding	Estimated Cost in Year of Expenditure	FY 2016-2021 Timeframe Cost Estimate	FY 2022-2027 Timeframe Cost Estimate	FY 2028-2033 Timeframe Cost Estimate	FY 2034-2039 Timeframe Cost Estimate	2040 Timeframe Cost Estimate	Project Moving Forward?	August 1, 2019 Status
42 and A2-20	107061	Roanoke Co.	HB2 FY17 Rte. 419 Safety Improvements at Tanglewood	Rte. 220 to Rte. 867	VDOT Project Pool Description: Improve safety and congestion by upgrading signals, adding pedestrian accommodation, bike lanes, and a third lane along Rte. 419 South, toward Rte 220.	\$6,474,000	\$0	\$6,474,000	\$4,728,000	\$1,746,000	\$0	\$0	\$0	Yes	CN in FY20.
43	108882	Roanoke Co.	West Main Street Sidewalk Installation	Daugherty Rd. to Technology Dr.	VDOT Project Pool Description: West Main Street Sidewalk Installation	\$1,037,000	\$0	\$1,037,000	\$134,000	\$903,000	\$0	\$0	\$0	Yes	Complete-ROW underway, CN FY20
44	108904	Roanoke Co.	HB2 FY17 Rte. 311 / Rte. 419 Int. Safety & Congestion Improvements	Int. Rte. 311 & 419 to Int. Rte. 311 & 419	VDOT Project Pool Description: Convert an existing signalized intersection to a roundabout. Access management for the adjacent businesses, paved shoulders for bicycle access, as well as pedestrian crosswalks within refuge islands to connect to businesses and to the Hanging Rock Battlefield Trail (Greenway)	\$1,957,006	\$0	\$1,957,006	\$1,957,006	\$0	\$0	\$0	\$0	Yes	PE underway, RW FY20, CN FY21.
45	108905	Roanoke Co.	HB2 FY17 Lila Dr. / Rte. 115 Intersection Safety Improvements	Lila Dr. / Plantation Rd. intersection	VDOT Project Pool Description: Install a traffic signal at Rte 115 (Plantation Rd) and Lila Dr. Pedestrian actuated signals and crosswalks. Reconstruct approximately 420' of Lila Dr and access management.	\$1,269,396	\$0	\$1,269,396	\$1,269,396	\$0	\$0	\$0	\$0	Yes	RW underway, CN FY20
46	108906	Roanoke Co.	HB2 FY17 I-81 NB Auxiliary Lanes from Exit 141 to 143	I-81 Exit 141 NB to I-81 MM 143 NB	VDOT Project Pool Description: Provide additional capacity between NB Exit 141 & Exit 143 & provide for safer merge movements between Exits. Incl. 12-ft aux. lane & 12-foot outside shoulder. Aux. lane will be extension of entrance ramp @ Exit 141 to extend to Exit 143 onto I-581. Mill & overlay existing travel lanes.	\$29,830,716	\$0	\$29,830,716	\$29,830,716	\$0	\$0	\$0	\$0	Yes	RW underway, CN FY20

Project # (as of 8/1/19)	UPC	Jurisdiction	Project Title	Project Limits	Project Description	Projected Cost	Previous Funding	Estimated Cost in Year of Expenditure	FY 2016-2021 Timeframe Cost Estimate	FY 2022-2027 Timeframe Cost Estimate	FY 2028-2033 Timeframe Cost Estimate	FY 2034-2039 Timeframe Cost Estimate	2040 Timeframe Cost Estimate	Project Moving Forward?	August 1, 2019 Status
47	110155	Roanoke Co.	Roanoke River Greenway from Blue Ridge Parkway to Explore Park	Blue Ridge Parkway to Explore Park	Construct 1.7 miles of Roanoke River Greenway trail section from Highland Road through the Roanoke Valley Resource Authority property, to Explore Park.	\$1,700,000	\$0	\$1,733,750	\$1,733,750	\$0	\$0	\$0	\$0	Unknown-Yes	Unknown-Project not in SYIP-PE underway, CN FY21.
48	110620	Roanoke Co.	Diuguids Lane (Route 760) Bridge Replacement	0.15 mi. south of Salem City Line to the intersection with Route 639	Replace bridge over the Roanoke River	\$2,281,000	\$0	\$2,281,000	\$400,000	\$1,881,000	\$0	\$0	\$0	Yes	Complete
49	111066	Roanoke Co.	Route 311 Pedestrian Bridge	Route 864 to 0.2 miles North of Route 864	Construct a pedestrian bridge over Route 311 near the McAfee's Knob Appalachian Trail parking lot.	\$2,880,000	\$0	\$2,880,000	\$300,000	\$2,580,000	\$0	\$0	\$0	Yes	PE underway, RW FY24, CN FY25.
50 and A2-21	111317	Roanoke Co.	Williamson Road Pedestrian Improvements Peters Creek Road to Plantation Road	Rt. 117 (Peters Creek Road) to Rt. 115 (Plantation Road)	Construct a 5' sidewalk behind the curb on the north side of Williamson Road.	\$1,934,000	\$0	\$1,934,000	\$344,000	\$1,590,000	\$0	\$0	\$0	Yes	Increase in total estimate from \$1,441,000 to \$1,934,000 PE underway, RW FY21, CN FY22
51	111373	Roanoke Co.	I-81 Southbound Auxiliary Lane between Exit 143 and 141	Exit 143 to Exit 141	Construct auxiliary lane on I-81 SB from Exit 143 to Exit 141.	\$32,168,111	\$0	\$32,168,111	\$21,980,000	\$10,188,111	\$0	\$0	\$0	Yes	CN FY21
52	103607 / 98220	Roanoke Co.	Plantation Road Streetscape Improvements	I-81 Exit 146 to Williamson Rd./U.S. 11	VDOT Project Pool Description: Streetscaping, bicycle and pedestrian improvements along Plantation Road (Rt. 115) in Roanoke County between I-81 and Williamson Road (Rt. 11).	\$3,395,000	\$5,297,000	\$611,495	\$611,495	\$0	\$0	\$0	\$0	Yes	Complete
53	111407	Roanoke Co.	Adaptive Traffic Control Improvements: U.S. 221/Brambleton Ave. (Colonial Ave. to Ranchcrest Dr.) and Rte. 419/Electric Rd. (Springwood Park Dr. to McVitty Rd.; Carriage Ln. to Valley Dr.)	Springwood Park to McVitty Rd. to Carriage Ln. to Valley Dr.	FY18 Smart Scale Application: This project will add Adaptive Traffic Control systems to seven existing traffic signals on Route 419, and to four existing traffic signals on Route 221, in the Cave Spring and Oak Grove areas of Roanoke County.	\$663,457	\$0	\$663,457	\$663,457	\$0	\$0	\$0	\$0	Yes	CN underway

Project # (as of 8/1/19)	UPC	Jurisdiction	Project Title	Project Limits	Project Description	Projected Cost	Previous Funding	Estimated Cost in Year of Expenditure	FY 2016-2021 Timeframe Cost Estimate	FY 2022-2027 Timeframe Cost Estimate	FY 2028-2033 Timeframe Cost Estimate	FY 2034-2039 Timeframe Cost Estimate	2040 Timeframe Cost Estimate	Project Moving Forward?	August 1, 2019 Status
54	N/A	Roanoke Co.	Other I-81 Auxiliary Lane Projects	Exit 140 to Exit 150	Expand the capacity of I-81 by adding auxiliary lanes between exits.	\$30,786,930	\$0	\$0	\$0	\$0	\$0	\$0	\$0	No	Not successful in SMART SCALE Round 3
55	111366	Roanoke Co.	Plantation Road Improvements Phase II Walrond Drive to Gander Way	Walrond Drive to Gander Way	FY18 Smart Scale Application: Continue the Plantation Road Project by constructing sidewalk, curb, gutter, drainage systems and landscaping between Walrond Drive and Gander Way, on the west side of Plantation Road. Add pedestrian signals and crosswalks at the Gander Way signal.	\$1,752,000	\$0	\$1,752,000	\$125,000	\$1,627,000	\$0	\$0	\$0	Yes	PE underway, RW FY20, CN FY21.
56	113567	Roanoke Co.	Roanoke River Greenway Extension through Explore Park to Rutrough Rd.	Through Explore Park to Rutrough Road	Construct 1.8 miles of a paved, 10-foot-wide, shared use path for bicyclists and pedestrians through Explore Park to Rutrough Rd.	\$3,020,308	\$0	\$3,020,308	\$1,602,749	\$1,417,559	\$0	\$0	\$0	Yes	PE FY20, CN FY22
57	15187 / 15188	Roanoke Co.	Rte. 1662/McVitty Rd. & Rte. 1663/Old Cave Spring Rd. Improvements	McVitty Road to Old Cave Spring Road	VDOT Project Pool Description: Increasing the pavement width, shoulder width, and adding turn lanes to improve the safety of the roadway.	\$20,093,192	\$0	\$0	\$0	\$0	\$0	\$0	\$0	No	PE complete, RW underway, CN FY2043; Project needs additional funding.
57	15188	Roanoke Co.	Rte. 1663/Old Cave Spring Rd. Improvements	From the approach lanes of Old Cave Spring Road, through the intersection with Brambleton Avenue, and through the approach lanes of Colonial Avenue, approx. 0.2 mi.	VDOT Project Pool Description: Increasing the pavement width, shoulder width, and adding turn lanes to improve the safety of the roadway.	\$3,300,000	\$0	\$4,705,011	\$0	\$0	\$4,705,011	\$0	\$0	No	PE complete, RW underway, CN unfunded

Project # (as of 8/1/19)	UPC	Jurisdiction	Project Title	Project Limits	Project Description	Projected Cost	Previous Funding	Estimated Cost in Year of Expenditure	FY 2016-2021 Timeframe Cost Estimate	FY 2022-2027 Timeframe Cost Estimate	FY 2028-2033 Timeframe Cost Estimate	FY 2034-2039 Timeframe Cost Estimate	2040 Timeframe Cost Estimate	Project Moving Forward?	August 1, 2019 Status
A1-3 and A2-22	113144	Roanoke Co.	Starkey Road/Buck Mountain Road Intersection Improvements	Starkey Road at Buck Mountain Road	Convert the unsignalized intersection to a single lane roundabout with bicycle and pedestrian accommodations.	\$3,258,000	\$0	\$3,258,000	\$1,201,644	\$2,056,356	\$0	\$0	\$0	Yes	PE in progress, ROW FY22, CN in FY23.
A1-5	113570	Roanoke Co.	I-581 Exit 2 Interchange Study	Peters Creek Road from Thirlane Road to Valley-pointe Pkwy.	Reconstruct the I-581/Peters Creek Road interchange to improve turning movements and access to Valleypointe Pkwy. and Thirlane Rd.	\$150,000	\$0	\$150,000	\$150,000	\$0	\$0	\$0	\$0	Yes	Project funded.
A1-7 and A2-23	<del>T21366-113356</del>	Roanoke Co.	Roanoke River Greenway - Blue Ridge Parkway Crossing along Highland Road	Blue Ridge Parkway and Highland Road	Construction of 0.30 miles of Roanoke River Greenway underneath the Blue Ridge Parkway, connecting bicyclists and pedestrians safely to other funded sections of the Roanoke River Greenway.	\$492,000	\$0	\$492,000	\$492,000	\$0	\$0	\$0	\$0	Yes	PE Underway, RW in FY21, CN in FY22.
A1-13	113947	Roanoke Co.	Pedestrian Improvements on Route 11 (Williamson Road), <a href="#">North Roanoke Assisted Living to Clubhouse Drive</a>	Clubhouse Dr. to 0.2 miles South of Greenway Drive	Pedestrian improvements along Williamson Road.	\$750,000	\$0	\$750,000	\$0	\$750,000	\$0	\$0	\$0	Yes	PE FY23, CN FY24
A1-14 and A2-31	113173	Roanoke Co.	I-81 Exit 137 SB Safety Improvements	I-81 Exit 137 SB Ramp	Safety improvements to the ramp.	\$1,720,000	\$0	\$1,720,000	\$0	\$1,720,000	\$0	\$0	\$0	Yes	PE in FY24, CN in FY26.
A2-24	N/A	Roanoke Co.	Hinchee Trail Parking Lot		New location trailhead parking lot to accommodate automobiles and horse trailers. Provide pedestrian, bicycle, and equestrian access to the trail.	\$500,000	\$0	\$712,880	\$0	\$0	\$712,880	\$0	\$0	No	New project seeking funding.
A2-25	N/A	Roanoke Co.	Orange Market Park and Ride and Parking Lot Improvements	Thompson Memorial Dr. (Route 311) at Electric Road (Route 419)	Improve the Orange Market Park and Ride and the nearby parking lot to the east near Masons Creek for multimodal access and trailhead parking for the adjacent Hanging Rock Battlefield Trail.	\$1,500,000	\$0	\$2,138,641	\$0	\$0	\$2,138,641	\$0	\$0	No	New project seeking funding.
A2-26	N/A	Roanoke Co.	<del>Peters Creek Road and Valleypointe Parkway Intersection Improvements</del>	<del>Peters Creek Road (Route 117) at Valleypointe Parkway (Route 1947)</del>	<del>Construct turn lane improvements on Peters Creek Road and Valleypointe Parkway.</del>	<del>\$1,500,000</del>	<del>\$0</del>	<del>\$0</del>	<del>\$0</del>	<del>\$0</del>	<del>\$0</del>	<del>\$0</del>	<del>\$0</del>	<del>No</del>	<del>New project seeking funding.</del>

Project # (as of 8/1/19)	UPC	Jurisdiction	Project Title	Project Limits	Project Description	Projected Cost	Previous Funding	Estimated Cost in Year of Expenditure	FY 2016-2021 Timeframe Cost Estimate	FY 2022-2027 Timeframe Cost Estimate	FY 2028-2033 Timeframe Cost Estimate	FY 2034-2039 Timeframe Cost Estimate	2040 Timeframe Cost Estimate	Project Moving Forward?	August 1, 2019 Status
A2-27	N/A	Roanoke Co.	Valleypointe Parkway Realignment	North Concourse Drive at Wood Haven Road	Widen Valleypointe Parkway from two to four lanes from North Concourse Drive to Wood Haven Road; realign to intersect with the Green Ridge Recreation Center entrance road.	\$4,400,000	\$0	\$7,102,601	\$0	\$0	\$2,000,000	\$5,102,601	\$0	No	New project seeking funding.
A2-36		Roanoke Co.	Route 419 Streetscape Improvements Phase 2, Ogden Road to Starkey Road	Ogden Road to Starkey Road	Continue Pedestrian accommodations, bicycle facilities and streetscape improvements from Phase 1.	\$7,000,000	\$0	\$10,980,326	\$0	\$1,000,000	\$9,980,326	\$0	\$0	No	
58	93160	Town of Vinton	Rte. U000 - Walnut Ave. Int. Improvement at 8th Street	Walnut Ave. & 8th St.	VDOT Project Pool Description: intersection improvement	\$2,423,000	\$105,000	\$2,767,813	\$0	\$2,767,813	\$0	\$0	\$0	No	Additional funding needed.
59 and A2-29	109611	Town of Vinton	Glade Creek Greenway, Phase II-2A	Gus Nicks Blvd. to Gearhart Park	Paved 10' wide greenway from Gus Nicks Blvd. to Gearhart Park.	\$600,102	\$0	\$600,102	\$600,102	\$0	\$0	\$0	\$0	Yes	PE complete, CN in FY20
59 and A2-37	109611	Town of Vinton	Glade Creek Greenway, Phase II-2B	Gearhart Park to Walnut Avenue	Paved 10' wide greenway from Gearhart Park to Walnut Avenue.	\$550,140		\$656,896	\$0	\$656,896	\$0	\$0	\$0	No	Previously part of A2-29; Project is seeking funding.



Project # (as of 8/1/19)	UPC	Jurisdiction	Project Title	Project Limits	Project Description	Projected Cost	Previous Funding	Estimated Cost in Year of Expenditure	FY 2016-2021 Timeframe Cost Estimate	FY 2022-2027 Timeframe Cost Estimate	FY 2028-2033 Timeframe Cost Estimate	FY 2034-2039 Timeframe Cost Estimate	2040 Timeframe Cost Estimate	Project Moving Forward?	August 1, 2019 Status
60	113565	Town of Vinton	Walnut Avenue Improvements Project Bicycle and Pedestrian Accommodations: West Lee Avenue to 1st Street	0.47-mile segment of Walnut Ave, from 5th St, to W. Lee Ave	<del>FY18 Smart Scale Application: Install bicycle and pedestrian improvements along a 0.47-mile segment of Walnut Ave, from 5th St, to W. Lee Ave. Project includes: sidewalk (2300 LF), curb and gutter (1790 LF), lighting (3 new poles), signage (6 signs), CG12 ADA ramps (7), and pavement marking for crosswalks (120 LF) and bike lanes (striping—1660 LF). Design and construction of ADA access from the Farmers Market to 1st Street. Connecting existing sidewalks with new concrete sidewalk and curb ramps, adding bike lanes, crosswalks and cross street intersections, pedestrian lighting, utility adjustments to accommodate ADA requirements, and construction storm drain improvements as required.</del>	<del>\$2,796,829</del> \$545,250	\$0	\$545,250	\$545,250	\$0	\$0	\$0	\$0	Yes	Initial part underway - PE FY20, RW FY22, CN FY23—remaining funding needed.
A1-6	111649	Town of Vinton	Walnut Avenue Bicycle and Pedestrian Accommodations <del>(5th Street to City/Town limit) 5th Street to Roanoke City/Town West Limits</del>	5th Street to City/Town limit	Construct a sidewalk and bike lanes on Walnut Avenue between 5 <sup>th</sup> Street and the City of Roanoke - Town of Vinton limit.	\$1,446,282	\$0	\$1,446,282	\$1,446,282	\$0	\$0	\$0	\$0	Yes	PE underway to be awarded, CN FY21
A1-12	113322	Town of Vinton	Hardy Road/Dillon Woods Crosswalk	Hardy Road at Dillon Drive	Mid-block Pedestrian Crossing	\$183,000	\$0	\$183,000	\$162,000	\$21,000	\$0	\$0	\$0	Yes	PE FY21, CN FY23
A2-38	N/A	Town of Vinton	Walnut Avenue Improvement Project: 1st Street to 5th Street	1st Street to 5th Street	Bicycle and pedestrian accommodations that include bike lanes, sidewalks, curb and gutter, crosswalk, pedestrian lighting, ADA ramps, and storm drain improvements.	\$5,458,508	\$0	\$8,204,738	\$0	\$1,153,019	\$3,076,988	\$3,974,731	\$0	No	New project seeking funding.
<b>Project Costs</b>								\$412,488,090	\$184,148,375	\$90,879,498	\$85,915,932	\$49,969,008	\$9,780,015		
<b>Funding Available</b>										\$90,879,498	\$85,915,932	\$84,323,264	\$13,640,680		
<b>Balance</b>										\$0	\$0	\$34,354,256	\$3,860,665		

## "Vision List of Projects" CLRMTP Draft Amendment 2 - August 1, 2019

Red - initial changes shared with the TTC in July 2019; blue highlights - changes made since July TTC meeting and share with TTC at August meeting.

Desired Time-frame	Jurisdiction	Project Title	Project Limits	Project Description	Project Cost (2016\$)
S	Botetourt County	<del>International Parkway/U.S. 220 intersection improvements</del>	<del>U.S. 220 at International Parkway</del>	<del>Improve the intersection of International Parkway/U.S. 220 in Daleville to allow better flow of highway and industrial park traffic; also, a pedestrian and cyclist crossing will improve safety and separate users.</del>	<del>Unknown</del>
S	Botetourt County	Catawba Road/Rt. 220 intersection improvements	Rt. 220 at Catawba Road	Add additional westbound lane on Catawba Road (Rt. 779) from the intersection with U.S. 220. If feasible, may also include bike accommodations.	Unknown
S	Botetourt County	Glebe Road alignment improvements and bike/ped accommodations	U.S. 220 between U.S 220 and Orchard Lakes Dr.	Improve curve alignments and allow for pedestrian/cyclist connection along the funded Daleville Greenway Phase I route.	\$2,000,000
S to M	Botetourt County	<del>U.S. 220 at the Super 8/Howard Johnson intersection improvements</del> U.S. 220 Access Management and Intersection Project	<del>U.S. 220 – north of I-81 at Super 8/Howard Johnson</del> Exit 150 to Commons Parkway	<del>Improve the intersection to reduce congestion and improve accessibility by utilizing innovative intersection designs.</del> Project to improve access management and intersections along U.S. 220 between I-81 and Daleville Commons in order to improve access to existing properties and to land for development opportunities (approx. length 0.5 mi.)	Unknown
S	Botetourt County	Rt. 640/U.S. 220 Improvements	Rt. 640 and U.S. 220	Brughs Mill Road re-alignment and multiple intersection improvements along U.S. 220 to improve traffic flow and safety.	Unknown
S	Botetourt County	U.S. 220 Superstreet Improvements	Commons Parkway to Catawba Road	Improve seven intersections by reducing vehicle conflict points in medians.	Unknown
S	Botetourt County	U.S. 220 Pedestrian Crossing	U.S. 220 at Daleville Town Center (Town Blvd./ Marketplace Dr.)	Install a pedestrian crossing across U.S. 220 with ADA accommodations, push buttons, signals, and signal phasing.	Unknown
S	City of Roanoke	13 <sup>th</sup> St. SE Improvements	Church Avenue to Norfolk Avenue	Street, pedestrian and bicycle improvements.	Unknown
S	City of Roanoke	Aviation Dr. / Valley View Blvd. Pedestrian Improvements	Roanoke-Blacksburg Regional Airport to 4800 Block of Valley View Blvd./Chick-Fil-A	Construct a sidewalk on the west side of Aviation Drive / Valley View Boulevard from the Airport to the 4800 Block of Valley View Boulevard.	\$2,400,000

<u>Desired Time-frame</u>	<u>Jurisdiction</u>	<u>Project Title</u>	<u>Project Limits</u>	<u>Project Description</u>	<u>Project Cost (2016\$)</u>
S	City of Roanoke	Brambleton Avenue (Rt. 221) Bicycle/ Pedestrian Improvements	2300 Block of Brambleton Avenue to Overland Road	Construct bike lanes and a sidewalk on both sides of Brambleton Avenue from Carilion Clinic traffic signal (former Shenandoah Building) to Overland Road.	\$4,300,000
S	City of Roanoke	Orange Avenue (Rt. 460) Intersection Improvements	Blue Hills Drive/ Mexico Way to King Street	Extend westbound Orange Avenue left turn lane at King Street, implement safety countermeasures at intersections, improve bicycle, pedestrian, and transit accommodations.	\$2,000,000
S	City of Roanoke	Main Street Bridge Replacement and improvements Project	Intersection of Ferdinand Ave. SW/Elm Ave. to Winona Ave. SW/Main St. SW	Replacement of Main Street bridge with bike lanes and construction of a roundabout at Ferdinand Ave. SW	\$22,000,000
S to M	City of Roanoke	Campbell Avenue Bicycle and Pedestrian Improvements	Tinker Creek to Williamson Road (Downtown)	Streetscape improvements would consist of sidewalk, curb and gutter, street trees, and milling and resurfacing the existing roadway and any related stormwater improvements.	\$3,300,000
M	City of Roanoke	Williamson Road	Orange Ave. to Angell St.	Road diet & streetscape improvements	\$9,500,000
M	City of Roanoke	Memorial Avenue	Grandin Rd. to Denniston Ave.	Streetscape improvements	\$1,500,000
M	City of Roanoke	Lick Run Greenway Phase 4	Lewiston Road (Countryside Park) to Peters Creek Road	Multi-use bicycle & pedestrian trail	\$3,000,000
M	City of Roanoke	Liberty Road	Burrell St. to Hollins Rd.	Add turn lanes, C&G, sidewalk, bike lanes, drainage, reconstruct signal	\$7,000,000
M	City of Roanoke	King Street	Gus Nicks Blvd. to Orange Ave.	Add turn lanes, C&G, sidewalk, bike lanes, drainage, reconstruct signal	\$7,500,000
M	City of Roanoke	Jefferson Street	Elm Ave. to McClanahan Rd.	Road diet & streetscape improvements	\$13,000,000
M to L	City of Roanoke	Hollins Road	Orange Ave. to Liberty Rd.	Widening to 4 lanes w/bicycle lanes	\$6,100,000
	City of Roanoke	Hershberger Road	Cove Rd. to Peters Creek Rd.	Add turn lanes, C&G, sidewalk, bike lanes, drainage	\$6,900,000
L	City of Roanoke	Orange Avenue	0.006 mi. W Int. 11th St. NE to 0.232 mi. E Int. Gus W. Nicks Blvd. NW	Widening to six lanes, reconstruct traffic signals, curb, gutter, sidewalk and drainage improvements	<del>\$49,519,000</del> \$73,000,000
M	City of Roanoke	Cove Road	Hershberger Rd. to Peters Creek Rd.	Add turn lanes, C&G, sidewalk, bike lanes, drainage	\$7,500,000
M	City of Roanoke	Colonial Avenue	Brandon Ave. to Overland	Streetscape, C&G, sidewalk, widen 1-in., drainage	\$5,300,000

<u>Desired Time-frame</u>	<u>Jurisdiction</u>	<u>Project Title</u>	<u>Project Limits</u>	<u>Project Description</u>	<u>Project Cost (2016\$)</u>
M	City of Roanoke	Church Ave	Jefferson St. to 5th St.	Streetscape improvements	\$2,800,000
M to L	City of Roanoke	9th St SE	Bridge over Norfolk Southern RR to Riverland Road	Streetscape, pedestrian improvements, road diet	\$7,300,000
L	City of Roanoke	13th St./ Hollins Road	Jamison Ave. to 0.08 mi. N of Int. Orange Ave.	Bridge over RR tracks, streetscape, pedestrian and bicycle improvements, drainage	\$63,266,000
L	City of Roanoke	I-581 to Cove Rd.	Valley View Boulevard Extension from I-581 to Cove Road	Extend Valley View Boulevard to Cove Road	\$48,000,000
S to M	<del>City of Roanoke / GRTC</del>	<del>Downtown-Roanoke-Intermodal Station</del>	<del>Roanoke-AMTRAK platform</del>	<del>Multimodal connections to AMTRAK and passenger waiting area.</del>	<del>\$10,000,000</del>
S	City of Salem	4th Street Signal Coordination	Union Street to College Avenue	Coordinate four traffic signals along the 4th Street corridor.	Unknown
?	City of Salem	Rt. 311 / Thompson Memorial Improvements	Rt. 311 / Thompson Memorial Dr.		\$5,000,000
M	City of Salem	Braeburn Drive – Transit/Bike/Ped Improvements	Rt. 419 to Keagy Rd.	Improvements to bus stops, pedestrian and biking accommodations.	\$500,000
M	City of Salem	Apperson Drive	Rt. 419 to Colorado St.	Streetscape/Multimodal Improvements.	\$300,000
S to M	<del>Multi-Jurisdictional</del>	<del>I-81 Auxiliary-Lanes</del>	<del>Exit 143 to Exit 150 NB &amp; SB</del> <del>Exit 140 to Exit 141 NB &amp; SB</del>	<del>Added capacity on I-81</del>	<del>\$84,486,697</del>
L	<del>Multi-Jurisdictional</del>	<del>I-81 Corridor Improvements MM 116 to Exit 128</del>	<del>MM 116.2 to MM 128.4</del>	<del>Capacity expansion to improve I-81 reliability, widen to three lanes from MM 116 to Exit 128. (approx. 12.2 mi.)</del>	<del>\$201,210,000</del>
L	<del>Multi-Jurisdictional</del>	<del>I-81 Corridor Improvements Exit 128 to Exit 137</del>	<del>MM 128.4 to MM 137.1</del>	<del>Capacity expansion to improve I-81 reliability, widen to three lanes from Exit 128 to Exit 137. (approx. 8.7 mi.)</del>	<del>\$185,958,000</del>
S	<del>Multi-Jurisdictional</del>	<del>I-81 Corridor Improvements Exit 137 to Exit 141</del>	<del>MM 137.1 to MM 141.8</del>	<del>Capacity expansion to improve I-81 reliability, widen to three lanes from Exit 137 to Exit 141. (approx. 4.7 mi.)</del>	<del>\$231,005,000</del>
M	<del>Multi-Jurisdictional</del>	<del>I-81 Corridor Improvements MM 144 to Exit 150</del>	<del>MM 144.2 to MM 151.3</del>	<del>Capacity expansion to improve I-81 reliability, widen to three lanes from Exit 137 to Exit 141. (approx. 4.7 mi.)</del>	<del>\$232,595,000</del>

<u>Desired Time-frame</u>	<u>Jurisdiction</u>	<u>Project Title</u>	<u>Project Limits</u>	<u>Project Description</u>	<u>Project Cost (2016\$)</u>
S to M	Multi-Jurisdictional	Bus Stop Accessibility Improvements	Systemwide	Curb ramps, sidewalk connections, accessible landing pads, bus shelters, benches, pedestrian refuge medians, crosswalks, signage or other improvements will be provided as needed by the specific bus stop locations.	\$1,000,000
S to M	Roanoke Co.	U.S. 221/Brambleton Ave. pedestrian improvements	Roanoke City Limits to Electric Rd.	Construct sidewalk northbound and southbound along U.S. 221, from Roanoke City limits to Electric Road. Install crosswalks at Secondary street crossings, and pedestrian signals at signalized intersections.	\$2,000,000
M to L	Roanoke Co.	U.S. 220 Improvements	Electric Rd. to Franklin County Limits	Improve travel lanes, shoulders and turn lanes at various locations from Rte. 419 to Franklin County.	\$136,000,000
M	Roanoke Co.	U.S. 11/Williamson Rd. Urban 2 or 4-lanes & Bike/Ped Improvements	Peters Creek Rd. to Roanoke City Limit	Improve U.S. 11 to either Urban 4-lane, or Urban 2-lane with turn lanes, and construct bicycle and pedestrian improvements, from Peters Creek Road to Roanoke City limits.	\$24,000,000
M to L	Roanoke Co.	U.S. 11/U.S. 460 Corridor Study	N/A	U.S. 11/U.S. 460 Corridor Study - Implement recommendations of completed VDOT study.	\$5,000,000
M to L	Roanoke Co.	Rte. 904/Starkey Rd. Improvements	Rte. 907/Starkey Rd.	Improve Rte. 904 to either Urban 4-lane or Urban 2-lane with turn lanes, and construct bicycle and pedestrian improvements, from existing 5-lane section of Starkey Rd to Merriman Rd.	\$12,000,000
M to L	Roanoke Co.	Rte. 687/Penn Forest Rd. - Bicycle and Pedestrian Improvements	Colonial Ave. to Starkey Rd.	Construct bicycle and pedestrian accommodations to Rt 687, from Colonial Av to Starkey Rd.	\$1,000,000
M	Roanoke Co.	Rte. 682/Garst Mill Rd. - Bicycle and Pedestrian Improvements	Brambleton Ave. to Grandin Rd.	Construct bicycle and pedestrian accommodations to Rte. 682, from Brambleton Av to Grandin Rd / Roanoke City limits.	\$2,500,000
M to L	Roanoke Co.	Rte. 679/Buck Mountain Rd. - urban 2-lane with turn lanes, bicycle and pedestrian improvements	Starkey Rd. to U.S. 220	Improve Rte. 679 to Urban 2-lane with turn lanes, and construct bicycle and pedestrian improvements, from Starkey Rd to U.S. 220.	\$20,000,000

<u>Desired Time-frame</u>	<u>Jurisdiction</u>	<u>Project Title</u>	<u>Project Limits</u>	<u>Project Description</u>	<u>Project Cost (2016\$)</u>
M to L	Roanoke Co.	Rte. 634/Hardy Rd. urban 4-lane or 2-lane with turn lanes, bicycle and pedestrian improvements	Vinton Town Limits to Bedford County Limits	Improve Rte. 634 to Urban 4-lane or Urban 2-lane with turn lanes, and construct bicycle and pedestrian improvements, from Vinton to Bedford County.	\$10,000,000
M	Roanoke Co.	Rte. 625/Hershberger Rd. - Urban 2-lane with turn lanes, bicycle and pedestrian accommodations	Roanoke City Limits to Plantation Rd.	Improve Rte. 625 to Urban 2-lane with turn lanes, and construct bicycle and pedestrian accommodations, from Plantation Road to Roanoke City limits.	\$1,200,000
M to L	Roanoke Co.	Route 116/Jae Valley Rd. Improvements	Route 116/Jae Valley Rd.	Improve Rte. 116 to Rural 2-lane with shoulder improvements, from Mt Pleasant to Franklin County.	\$23,000,000
S to M	Roanoke Co.	Route 115/Plantation Road urban 2 or 4-lane with turn lanes, bike/ped accommodations	Williamson Rd. to Roanoke City Limits	Improve Rte. 115 to either Urban 4-lane, or Urban 2-lane with turn lanes, and construct bicycle and pedestrian accommodations from Williamson Rd to Roanoke City limits.	\$32,850,000
S to M	Roanoke Co.	West Main Street/Greenway Connection	West Main Street to Roanoke River Greenway	Construct greenway connection for bicycles and pedestrians, from Roanoke River Greenway to West Main Street sidewalks.	\$3,000,000
S to M	Roanoke Co.	Roanoke River Greenway	Green Hill Park to Montgomery County Limits	Construct Roanoke River Greenway from Green Hill Park to Montgomery County limits.	\$15,000,000
L	Roanoke Co.	I-73 Partial PE Only	Partial Preliminary Engineering for I-73 in Roanoke County	Partial Preliminary Engineering for I-73 in Roanoke County	\$42,459,000
M	Roanoke Co.	I-581 & Peters Creek Rd. Interchange Improvements (enhancing access to Valleypointe Dr.)	I-581 at Peters Creek Rd.	Reconstruct interstate interchange to improve turning movements and access to Valleypointe Blvd, Thirlane Rd (Roanoke City), and Thirlane Rd (Roanoke County).	\$45,000,000
M to L	Roanoke Co.	Friendship Lane/Carvins Creek Bridge Replacement	Friendship Lane over Carvins Creek	Construct bicycle and pedestrian bridge over Carvins Creek at terminus of Friendship Lane.	\$100,000

<u>Desired Time-frame</u>	<u>Jurisdiction</u>	<u>Project Title</u>	<u>Project Limits</u>	<u>Project Description</u>	<u>Project Cost (2016\$)</u>
S to M	Roanoke Co.	Explore Park Access - Secondary Access Points from Rutrough Rd. and Road Circulation Improvements	Various locations at Explore Park	Improve secondary system access points from Rutrough Road.	\$5,884,230
M to L	Roanoke Co.	Explore Park Access - Hardy Rd./Blue Ridge Parkway Connection	Hardy Rd at Blue Ridge Parkway	Construct interchange at Hardy Rd and Blue Ridge Parkway to improve access to Explore Park.	\$4,885,000
M to L	Roanoke Co.	Develop U.S. 460/Challenger Ave. to Urban 6 lanes (continuation of Roanoke City project - from Roanoke City Limits to Botetourt Co.)	Roanoke City Limits to Botetourt County Limits	Improve Rt 460 to Urban 6-lane, with bicycle and pedestrian accommodations from Roanoke City to Botetourt County.	\$36,000,000
M to L	Roanoke Co.	Rt. 419/Ogden Rd. to Rt. 221 – Urban 6 lane w/bike, pedestrian	<del>Ogden Rd.</del> Route 419/Starkey Road to Rt. 221	Improve Rte. 419 to Urban 6-lane, with bicycle and pedestrian accommodations.	\$45,500,000
S to M	Roanoke Co.	Rt. 11, Peters Creek to Botetourt Co., Bike/Pedestrian Improvements	Peters Creek Rd. to Botetourt County Limits	Construct bicycle and pedestrian accommodations on U.S. 11, from Peters Creek Rd to Botetourt County.	\$3,800,000
<b>S-M</b>	<b>Roanoke Co.</b>	<b>Ogden Road Bicycle and Pedestrian Improvements</b>	<b>Ogden Road (Route 681) from Route 419 to Colonial Avenue</b>	<b>Bicycle, pedestrian and bus stop accommodations to connect the existing sidewalk and improvements funded for Route 419 to the proposed Murray Run Greenway and Colonial Avenue.</b>	<b>Unknown</b>

<u>Desired Time-frame</u>	<u>Jurisdiction</u>	<u>Project Title</u>	<u>Project Limits</u>	<u>Project Description</u>	<u>Project Cost (2016\$)</u>
S-M	Roanoke Co.	Route 419 Bicycle, Pedestrian and Streetscape Improvements, Carriage Lane/Granding Road to Keagy Road	Carriage Lane/Grandin Road intersection to Keagy Road intersection	Construct bicycle and pedestrian accommodations, including pedestrian signals and crosswalks at intersections. Incorporate streetscape improvements along the corridor. (approx. 2500 ft.)	Unknown
S-M	Roanoke Co.	Alternate 220 Intersection Improvements, Roanoke and Botetourt Counties	Cloverdale Road (Alt. 220/Route 604) from Route 460/Challenger Avenue to Read Mountain Road	Improve safety and reduce congestion by improving intersections considering recommendations generated through the VDOT Arterial Preservation Program. (approx. 2.2 mi.)	Unknown
S-M	Roanoke Co.	Peters Creek Road and Valleypointe Parkway Intersection Improvements	Peters Creek Road (Route 117) at Valleypointe Parkway (Route 1947)	Construct turn lane improvements on Peters Creek Road and Valleypointe Parkway.	\$1,500,000
S-M	Roanoke Co.	Route 1662/McVitty Road Improvements	From intersection with Electric Road through the Mudlick Creek bridge, approx. 0.2 mi.	VDOT Project Pool Description: Increasing the pavement width, shoulder width, and adding turn lanes to improve the safety of the roadway.	\$10,600,000
S-M	City of Roanoke / Roanoke County	220 Expressway /Route 419 Interchange Improvement	U.S. 220 and VA 419	Construction of interchange improvements including vehicle flow, bicycle and pedestrian improvements.	Unknown
M	Roanoke Co. / GRTC	Roanoke County Transfer Facilities (various)	County-wide	Construct new transit transfer facilities in various locations.	\$900,000
M	Multi-Jurisdictional	Interchange Lighting at I-81 Exits 137-150	I-81 Exit 137-Exit 150	To provide interchange lighting on I-81 at exits 137, 140, 141, 143, 146, and 150.	\$8,400,000
	Multi-Jurisdictional	Tinker Creek Greenway	Masons Mill to Greenfield		\$10,000,000
S	Town of Vinton	Washington Avenue Pedestrian Crossing	S. Pollard St., 200 & 700 blocks of Washington Ave.	Pedestrian crossing to connect neighborhood to downtown & commercial areas along Washington Ave	Unknown



<u>Desired Time-frame</u>	<u>Jurisdiction</u>	<u>Project Title</u>	<u>Project Limits</u>	<u>Project Description</u>	<u>Project Cost (2016\$)</u>
M	Town of Vinton	Walnut Avenue and 8 <sup>th</sup> Street Intersection	Walnut Avenue and 8 <sup>th</sup> Street		\$2,300,000
M	Town of Vinton	Virginia Ave./Rte. 24 bicycle improvements	ECL Roanoke City to Chestnut St.		Unknown
M	Town of Vinton	Glade Creek Greenway, Phase III	Gus Nicks Blvd. to Vinyard Park	<b>Multiuse paved trail from Glade Creek Greenway Phase 2 Trailhead to Vinyard Park</b>	\$400,000
ANY	Town of Vinton	Comprehensive Traffic Intersection Improvements	Major Corridors: Washington and VA Ave., Hardy Rd., & Pollard St.	Re-evaluation to upgrade 11 traffic signals	\$2,800,000
M S	Town of Vinton	Mountain View Corridor Improvements-Road Reconstruction	Washington Avenue to Town/Roanoke County North Corporate limits	<del>Improvements to roadway alignment to include bicycle accommodations.</del> Install base, subbase, and asphalt to rebuild the road; full length and width as needed; 1.12 miles.	<del>\$800,000</del> \$1,000,000
S	Town of Vinton	<b>Gus Nicks Boulevard Pedestrian Crossing</b>	<b>300 Block of Gus Nicks Boulevard</b>	<b>Pedestrian crossing to connect the Glade Creek Greenway Phase II Trailhead to the economic development site at the Gish Mill Property.</b>	<b>Unknown</b>
M	Town of Vinton	<b>Virginia Avenue/Third Street Intersection Study and Design</b>	<b>Virginia Avenue at Third Street</b>	<b>Improvements to the existing signalized intersection to enhance safety and reduce congestion. Improve access management for businesses on Virginia Avenue.</b>	<b>Unknown</b>
M	Town of Vinton	<b>Virginia Avenue/South Pollard Street Intersection Study and Design</b>	<b>Virginia Avenue at South Pollard Street</b>	<b>Improvements to the existing signalized intersection. Preliminary engineering for improvements to reduce congestion, enhance vehicle flow, and accommodate bicycle and pedestrian traffic.</b>	<b>Unknown</b>
M	Town of Vinton	<b>Hardy Road/Bypass Road Intersection Study and Design</b>	<b>Hardy Road at Bypass Road</b>	<b>Improvements to the existing signalized intersection. Preliminary engineering for improvements to reduce congestion, enhance vehicle flow, and accommodate bicycle and pedestrian traffic.</b>	<b>Unknown</b>

<u>Desired Time-frame</u>	<u>Jurisdiction</u>	<u>Project Title</u>	<u>Project Limits</u>	<u>Project Description</u>	<u>Project Cost (2016\$)</u>
M	Town of Vinton	Gus Nicks Blvd/ Washington Avenue Corridor Study	City of Roanoke/Town of Vinton West Limits to Bypass Road	Preliminary engineering for corridor improvements to reduce congestion, enhance vehicle flow, and accommodate bicycle and pedestrian traffic.	Unknown
M	Town of Vinton	Washington Avenue/ Bypass Road Intersection Study and Design	Washington Avenue at Bypass Road	Improvements to the existing signalized intersection. Preliminary engineering for improvements to reduce congestion, enhance vehicle flow, and accommodate bicycle and pedestrian traffic.	Unknown
M	Town of Vinton	Washington Avenue/ Mountain View Road Intersection Study and Design	Washington Avenue at Mountain View Road	Improvements to the existing signalized intersection. Preliminary engineering for improvements to reduce congestion, enhance vehicle flow, and accommodate bicycle and pedestrian traffic.	Unknown
M	Town of Vinton	Washington Avenue/ Mitchell Road Intersection Study and Design	Washington Avenue at Mitchell Road	Improvements to the existing unsignalized intersection. Preliminary engineering for improvements to reduce congestion, enhance vehicle flow, and accommodate bicycle and pedestrian traffic. Improved access to potential development site on vacant parcel.	Unknown
L	Town of Vinton	Bypass Road Bicycle and Pedestrian Improvements	Washington Avenue to Hardy Road	Bicycle and pedestrian improvements along Bypass Road as a major link between Washington Avenue and Hardy Road. (approx. 0.30 mi.)	Unknown
L	Town of Vinton	Wolf Creek Greenway Extension	Hardy Road to TBD Roanoke River	Extension of the Wolf Creek Greenway southward towards the Roanoke River and the Blue Ridge Parkway.	Unknown

<b>TOTAL FOR KNOWN PROJECT COSTS:</b>	<b>\$1,662,012,230</b>
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