

Vision 2040: Amendments and Administrative Modifications

The Constrained Long-Range Multimodal Transportation Plan, Vision 2040: Roanoke Valley Transportation, was approved by the Roanoke Valley Transportation Planning Organization Policy Board on September 27, 2017. As such, from time to time, amendments and administrative modifications are necessary in order to reflect changes in projects, funding, or programs.

For purposes of this section, and as defined in 23 Code of Federal Regulations §450.104, amendments and administrative modifications are to mean the following:

Administrative modification means a minor revision to a long-range statewide or metropolitan transportation plan, Transportation Improvement Program (TIP), or Statewide Transportation Improvement Program (STIP) that includes minor changes to project/project phase costs, minor changes to funding sources of previously included projects, and minor changes to project/project phase initiation dates. An administrative modification is a revision that does not require public review and comment, a re-demonstration of fiscal constraint, or a conformity determination (in nonattainment and maintenance areas).

Amendment means a revision to a long-range statewide or metropolitan transportation plan, TIP, or STIP that involves a major change to a project included in a metropolitan transportation plan, TIP, or STIP, including the addition or deletion of a project or a major change in project cost, project/project phase initiation dates, or a major change in design concept or design scope (e.g., changing project termini or the number of through traffic lanes or changing the number of stations in the case of fixed guideway transit projects). Changes to projects that are included only for illustrative purposes do not require an amendment. An amendment is a revision that requires public review and comment and a re-demonstration of fiscal constraint. If an amendment involves “non-exempt” projects in nonattainment and maintenance areas, a conformity determination is required.

The following two tables list all amendments and administrative modifications to the CLRMTTP since its approval.

SUMMARY OF AMENDMENTS TO DATE

| Amendment No. | Project Number | Subject of Amendment / Project Description | Location of Project | Amendment Date |
|---------------|----------------|--|---------------------|----------------------|
| 1 | | Inclusion of a variety of STBG, SMART SCALE, and other projects which received funding since initial Plan adoption: | Various | June 28, 2018 |
| | A1-1 | U.S. 220/ International Parkway Intersection Study and Design | Botetourt County | |
| | A1-8 | Rt. 11 over Beckner Branch (STR.03160) | Botetourt County | |
| | A1-2 | Roanoke River Greenway Bridge across Barnhardt Creek | City of Roanoke | |
| | A1-9 | Flashing Yellow Arrow | City of Roanoke | |
| | A1-10 | Rectangular Rapid Flashing Beacons | City of Roanoke | |
| | A1-11 | Installation of Pedestrian Countdown Signal on Orange Avenue | City of Roanoke | |
| | A1-15 | Downtown Salem - College Avenue Improvements | City of Salem | |
| | A1-4 | Elizabeth Greenway | City of Salem | |
| | A1-3 | Starkey Road/Buck Mountain Road Intersection Improvements | Roanoke County | |
| | A1-5 | I-581 Exit 2 Interchange Study | Roanoke County | |
| | A1-7 | Roanoke River Greenway - Blue Ridge Parkway Crossing along Highland Rd. | Roanoke County | |
| | A1-13 | Pedestrian Improvements on Rt. 11 (Williamson Rd.) | Roanoke County | |
| | A1-14 | I-81 Exit 137 SB Safety Improvements | Roanoke County | |
| | A1-6 | Walnut Avenue Bicycle and Pedestrian Accommodations (5th St. to limit) | Town of Vinton | |
| | A1-12 | Hardy Road/ Dillon Woods Crosswalk | Town of Vinton | |

| Amendment No. | Project Number | Subject of Amendment / Project Description | Location of Project | Amendment Date |
|---------------|----------------|---|----------------------------|----------------|
| 2 | | Inclusion of projects to the constrained list which have received funding since initial Plan adoption: | Location of Project | TBD |
| | A1-1 and A2-1 | U.S. 220/International Parkway Intersection | Botetourt County | |
| | A2-6 | Flashing Yellow Arrow Upgrade - Williamson Rd & Airport Rd | City of Roanoke | |
| | A2-7 | Flashing Yellow Arrow Upgrade - Valley View | City of Roanoke | |
| | A2-8 | Orange Avenue/Blue Hills Signal Upgrade | City of Roanoke | |
| | A2-9 | Flashing Yellow Arrow Upgrade - Jefferson St. & Elm Ave. | City of Roanoke | |

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|----------|--------------------|---|----------------------------|------------|
| | A2-10 | Flashing Yellow Arrow Upgrade - Brandon Ave. & Colonial Ave | City of Roanoke | |
| | A2-11 | Orange Avenue/Hollins Road Signal Upgrade | City of Roanoke | |
| | A2-12 | Rte 581 – Valley View Interchange Phase II | City of Roanoke | |
| | A2-14 | Orange Avenue (U.S. 460) Improvements | City of Roanoke | |
| | A2-34 | PSAP Pedestrian Signal Upgrades | City of Roanoke | |
| | A2-35 | PSAP New Pedestrian Signals | City of Roanoke | |
| | 14 and A2-32 | Route 419/Route 220 Diverging Diamond Interchange | Roanoke County | |
| | A2-28 | Eddy Ave. Bike/Ped Bridge | City of Salem | |
| 2 | Project No. | Inclusion of newly identified priority projects to the constrained list which will be seeking funds: | Location of Project | TBD |
| | A2-2 | Bus Transit Facility - Valley Metro | City of Roanoke | |
| | A2-13 | 9th Street Pedestrian and Transit Improvements | City of Roanoke | |
| | A2-15 | Aviation Drive / Valley View Blvd Pedestrian Improvements | City of Roanoke | |
| | A2-16 | Mill Mt connection to Garden City Greenway | City of Roanoke | |
| | A2-17 | Roanoke River Greenway - East | City of Roanoke | |
| | A2-24 | Hinchee Trail Parking Lot | Roanoke County | |
| | A2-25 | Orange Market Park and Ride and Parking Lot Improvements | Roanoke County | |
| | A2-27 | Valleypointe Parkway Realignment | Roanoke County | |
| | A2-36 | Route 419 Streetscape Improvements Phase 2, Ogden Road to Starkey Road | Roanoke County | |
| | A2-38 | Walnut Avenue Improvement Project: 1 st Street to 5 th Street | Town of Vinton | |
| 2 | Project No. | Acceptance of projects with updated costs greater than 10% over original costs: | Location of Project | TBD |
| | 2 and A2-30 | Exit 150 Improvement Project: Rte. 11,220,220A Access Management Project at I-81 Exit 150 | Botetourt County | |
| | 4 and A2-39 | Exit 150 Park and Ride | Botetourt County | |
| | 12 and A2-4 | Tinker Creek Trail Extension | City of Roanoke | |
| | 13 and A2-5 | Franklin Road sidewalk | City of Roanoke | |

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|----------|--------------------|--|----------------------------|------------|
| | 21 and A2-40 | East Main Street Phase II | City of Salem | |
| | 22 and A2-41 | East Main Street / Downtown Salem Streetscape | City of Salem | |
| | A1-15 and A2-42 | Downtown Salem – College Avenue Improvements | City of Salem | |
| | 34 and A2-18 | Rte. 116/Jae Valley Rd. over Back Creek – Bridge Replacement | Roanoke County | |
| | 38 and A2-19 | Roanoke River Greenway, Green Hill Park to Riverside Park | Roanoke County | |
| | 41 and A2-33 | Williamson Road / Peters Creek Road Bike/Pedestrian Improvements | Roanoke County | |
| | 42 and A2-20 | Rte. 419 Safety Improvements at Tanglewood | Roanoke County | |
| | 50 and A2-21 | Williamson Road Pedestrian Improvements Peters Creek Road to Plantation Road | Roanoke County | |
| | A1-3 and A2-22 | Starkey Road/Buck Mountain Road Intersection Improvements | Roanoke County | |
| | A1-7 and A2-23 | Roanoke River Greenway - Blue Ridge Parkway Crossing along Highland Road | Roanoke County | |
| | A1-14 and A2-31 | I-81 Exit 137 SB Safety Improvements | Roanoke County | |
| | 59 and A2-29 | Glade Creek Greenway, Phase 2A | Town of Vinton | |
| | 59 and A2-37 | Glade Creek Greenway, Phase 2B | Town of Vinton | |
| 2 | Project No. | Removal of projects from the constrained list: | Location of Project | TBD |
| | 15 | Valley View Boulevard Extension | City of Roanoke | |
| | 54 | Other I-81 Auxiliary Lane Projects | Multi-Jurisdictional | |
| | 57 | Rte 1662/McVitty Rd. portion of the project. | Roanoke County | |

| 2 | Project No. | Inclusion of new priority projects to the vision list: | Location of Project | TBD |
|---|-------------|--|----------------------|-----|
| | N/A | West Center Drive | Botetourt County | |
| | N/A | Valley View Boulevard Extension from I-581 to Cove Road | City of Roanoke | |
| | N/A | I-81 Corridor Improvements MM 116 to Exit 128 | Multi-Jurisdictional | |
| | N/A | I-81 Corridor Improvements MM 128 to Exit 137 | Multi-Jurisdictional | |
| | N/A | I-81 Corridor Improvements MM 137 to Exit 141 | Multi-Jurisdictional | |
| | N/A | I-81 Corridor Improvements MM 144 to Exit 150 | Multi-Jurisdictional | |
| | N/A | Ogden Road Bicycle and Pedestrian Improvements | Roanoke County | |
| | N/A | Route 419 Bicycle, Pedestrian and Streetscape Improvements, Carriage Lane/Grandin Road to Keagy Road | Roanoke County | |
| | N/A | Alternate 220 Intersection Improvements, Roanoke and Botetourt Counties | Roanoke County | |
| | N/A | Peters Creek Road and Valleypointe Parkway Intersection Improvements | Roanoke County | |
| | N/A | Route 1662/McVitty Road Improvements | Roanoke County | |
| | N/A | Gus Nicks Boulevard Pedestrian Crossing | Town of Vinton | |
| | N/A | Virginia Avenue/Third Street Intersection Study and Design | Town of Vinton | |
| | N/A | Virginia Avenue/South Pollard Street Intersection Study and Design | Town of Vinton | |
| | N/A | Hardy Road/Bypass Road Intersection Study and Design | Town of Vinton | |
| | N/A | Gus Nicks Blvd/Washington Avenue Corridor Study | Town of Vinton | |
| | N/A | Washington Avenue/Bypass Road Intersection Study and Design | Town of Vinton | |
| | N/A | Washington Avenue/Mountain View Road Intersection Study and Design | Town of Vinton | |
| | N/A | Washington Avenue/Mitchell Road Intersection Study and Design | Town of Vinton | |
| | N/A | Bypass Road Bicycle and Pedestrian Improvements | Town of Vinton | |
| | N/A | Wolf Creek Greenway Extension | Town of Vinton | |

SUMMARY OF ADMINISTRATIVE MODIFICATIONS TO DATE

| Modification No. | Subject of Amendment / Project Description | Location of Project | Modification Date |
|------------------|--|---------------------|-------------------|
| 1 | Addition of Appendix D: MAP-21 Performance Measures Targets (Safety targets language) | N/A | December 18, 2018 |
| 2 | Addition of <i>Vision 2040 Amendments and Administrative Modifications</i> section. | N/A | January 7, 2019 |
| 3 | Addition of Highway Infrastructure Condition, Highway System Performance, and Transit Asset Management Performance Measures and Targets (language) | N/A | July 29, 2019 |

APPENDIX A: Fiscally Constrained and Vision Project Lists

Fiscally Constrained List of Projects

| # | UPC | JURISDICTION | PROJECT TITLE | PROJECT LIMITS | PROJECT DESCRIPTION | EST. COST IN YEAR OF EXPENDITURE ³ |
|--------------------------------|--------|---------------|------------------------------|--|--|--|
| 1 | 107053 | Bedford Co. | Rte. 24 Safety Improvements | Rte. 886 to 0.26 mi. E of Rte. 635 (RVTPO 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 |
| 2 and A2-30 | 75910 | Botetourt Co. | Exit 150 Improvement Project | 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. | \$18,038,000 <u>\$22,831,000</u> |
| 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 |

³ Est. Cost in Year of Expenditure refers to allocations in years 2016-2040 and does not include any money may be put toward the project outside of those years.

| # | UPC | JURISDICTION | PROJECT TITLE | PROJECT LIMITS | PROJECT DESCRIPTION | EST. COST IN YEAR OF EXPENDITURE ³ |
|---------------|-----------------------------|-----------------|---|--|--|---|
| 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. | \$9,232,329 \$11,023,883 |
| A1-1/ A2-1 | T21491 113571 | Botetourt Co. | U.S. 220/ International Parkway Intersection Study and Design | U.S. 220 at International Parkway | Intersection improvement on U.S. 220 at International Parkway to improve the flow of people and freight into and out of the Botetourt Center at Greenfield and Ashley Plantation. | \$300,000 \$4,551,000 |
| A1-8 | 82226 | Botetourt Co. | Rt. 11 over Beckner Branch (STR.03160) | Rt. 11 at Beckner Branch | Bridge replacement, no added capacity. | \$3,364,000 |
| 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 | \$3,459,000 |
| 6 | 11908 | City of Roanoke | 10th Street | 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 | \$12,451,245 |
| 7 | 105439 | City of Roanoke | Roanoke River Greenway | Aerial Way Dr. to Bridge Street | Construction of 1.7 miles of the Roanoke River Greenway from Aerial Way Drive to Bridge Street | \$750,000 |

| # | UPC | JURISDICTION | PROJECT TITLE | PROJECT LIMITS | PROJECT DESCRIPTION | EST. COST IN YEAR OF EXPENDITURE ³ |
|----|--------|-----------------|---|---|---|---|
| 8 | 106265 | City of Roanoke | Garden City Greenway Phase 2 | 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. | \$246,000 |
| 9 | 108896 | City of Roanoke | 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. | \$2,545,000 |
| 10 | 108908 | City of Roanoke | 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 |

| # | UPC | JURISDICTION | PROJECT TITLE | PROJECT LIMITS | PROJECT DESCRIPTION | EST. COST IN YEAR OF EXPENDITURE ³ |
|------------------|--------|-----------------|---|---------------------------------------|--|---|
| 11 | 109288 | City of Roanoke | Edgewood Street Transit Accessibility Improvements | 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 |
| 12 / <u>A2-4</u> | 110101 | City of Roanoke | Tinker Creek Greenway <u>Phase 2 Trail Extension</u> | 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. | \$3,112,826 <u>\$7,850,109</u> |

| # | UPC | JURISDICTION | PROJECT TITLE | PROJECT LIMITS | PROJECT DESCRIPTION | EST. COST IN YEAR OF EXPENDITURE ³ |
|----------------------|--------|--|--|------------------------------------|--|---|
| 13 / <u>A2-5</u> | 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. | \$1,313,458 <u>\$1,704,000</u> |
| 14 / <u>A2-32</u> | N/A | City of Roanoke (the project is located within Roanoke city limits)/ Roanoke County | 220 Expressway /Route 419 Interchange Improvement Route 419/ Route 220 Diverging Diamond Interchange | U.S. 220 and VA 419 | Preliminary engineering for interchange improvements including vehicle flow, bicycle and pedestrian improvements. 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. | \$2,413,699 <u>\$17,504,866</u> |

| # | UPC | JURISDICTION | PROJECT TITLE | PROJECT LIMITS | PROJECT DESCRIPTION | EST. COST IN YEAR OF EXPENDITURE ³ |
|------|------------------------------------|-----------------|---|---|--|---|
| 15 | N/A | City of Roanoke | Valley View Boulevard Extension <u>MOVE PROJECT TO VISION LIST</u> | I-581 to Ferncliff Avenue | Street extension to include curb, gutter, sidewalk, drainage and bike lanes. FY18 Smart Application: The Valley View Boulevard Extension project will extend Valley View Blvd approximately 1,000 feet to the west from the Valley View Blvd interchange at I-581 to a point at which potential connections to future development and the local street network can be made. The extension of Valley View Blvd is envisioned as a four-lane "boulevard" street with travel lanes separated by a raised grass median. Turn lanes will be provided as necessary. The typical section includes two travel lanes in each direction, bike lanes, curb and gutter, and sidewalk. This project will also include the construction of a new traffic signal at the southbound I-581 ramps and construction of a complex bridge structure to span Lick Run and the Lick Run Greenway. | \$76,987,692 |
| 16 | T19580 <u>111370</u> | 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 Road in both directions in the immediate vicinity of the intersection. | \$3,552,000 |
| A1-2 | T21494 <u>113568</u> | 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 |

| # | UPC | JURISDICTION | PROJECT TITLE | PROJECT LIMITS | PROJECT DESCRIPTION | EST. COST IN YEAR OF EXPENDITURE ³ |
|-------------|------------------------------------|------------------------|---|--|---|---|
| A1-9 | 111135 | City of Roanoke | Flashing Yellow Arrow | City of Roanoke various locations | Install flashing yellow arrows at traffic signals in various locations. | \$277,000 |
| A1-10 | 111137 | City of Roanoke | Rectangular Rapid Flashing Beacons | City of Roanoke various locations | Install rectangular rapid flashing beacons in various locations. | \$108,000 |
| A1-11 | 121455 <u>113324</u> | 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 |
| <u>A2-2</u> | <u>N/A</u> | <u>City of Roanoke</u> | <u>Bus Transit Facility – Valley Metro</u> | <u>300 Block of Salem Avenue</u> | <u>New transit facility to replace Campbell Court.</u> | <u>\$13,000,000</u> |
| <u>A2-6</u> | <u>109558</u> | <u>City of Roanoke</u> | <u>Flashing Yellow Arrow Upgrade – Williamson Rd. & Airport Rd.</u> | <u>Williamson Rd. at Airport Rd.</u> | <u>Traffic signal upgrade.</u> | <u>\$21,000</u> |
| <u>A2-7</u> | <u>109562</u> | <u>City of Roanoke</u> | <u>Flashing Yellow Arrow Upgrade – Valley View</u> | <u>Valley View Blvd. at Valley View Ave.</u> | <u>Traffic signal upgrade.</u> | <u>\$23,000</u> |
| <u>A2-8</u> | <u>109566</u> | <u>City of Roanoke</u> | <u>Orange Avenue/ Blue Hills Signal Upgrade</u> | <u>Orange Avenue at Blue Hills Dr.</u> | <u>Traffic signal upgrade.</u> | <u>\$11,000</u> |
| <u>A2-9</u> | <u>109567</u> | <u>City of Roanoke</u> | <u>Flashing Yellow Arrow Upgrade – Jefferson St. & Elm Ave.</u> | <u>Jefferson St. At Elm Ave.</u> | <u>Traffic signal upgrade.</u> | <u>\$23,000</u> |

| # | UPC | JURISDICTION | PROJECT TITLE | PROJECT LIMITS | PROJECT DESCRIPTION | EST. COST IN YEAR OF EXPENDITURE ³ |
|--------------|---------------|------------------------|---|--|--|---|
| <u>A2-10</u> | <u>109569</u> | <u>City of Roanoke</u> | <u>Flashing Yellow Arrow Upgrade - Brandon Ave. & Colonial Ave.</u> | <u>Brandon Ave. at Colonial Ave.</u> | <u>Traffic signal upgrade.</u> | <u>\$23,000</u> |
| <u>A2-11</u> | <u>109570</u> | <u>City of Roanoke</u> | <u>Orange Avenue/ Hollins Road Signal Upgrade</u> | <u>Orange Ave. at Hollins Rd.</u> | <u>Traffic signal upgrade.</u> | <u>\$562,000</u> |
| <u>A2-12</u> | <u>16595</u> | <u>City of Roanoke</u> | <u>Rte 581 – Valley View Interchange Phase II</u> | <u>0.3 mi. S. Rt. 101/ Hershberger Rd. to 1.56 mi. S. Rt. 101/ Hershberger Rd.</u> | <u>Interchange expansion.</u> | <u>\$7,542,000</u> |
| <u>A2-13</u> | <u>N/A</u> | <u>City of Roanoke</u> | <u>9th Street Pedestrian and Transit Improvements</u> | <u>N/A</u> | <u>Add bus shelters, pedestrian signals, upgraded ADA curb ramps.</u> | <u>\$570,304</u> |
| <u>A2-14</u> | <u>115454</u> | <u>City of Roanoke</u> | <u>Orange Avenue (U.S. 460) Improvements</u> | <u>King St. at Blue Hills/ Mexico Way</u> | <u>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.</u> | <u>\$4,019,220</u> |

| # | UPC | JURISDICTION | PROJECT TITLE | PROJECT LIMITS | PROJECT DESCRIPTION | EST. COST IN YEAR OF EXPENDITURE ³ |
|-----------------------|------------------------|---------------------------------|---|---|---|---|
| A2-15 | N/A | City of Roanoke | Aviation Drive/ Valley View Blvd. Pedestrian Improvements | Airport Entrance at 4800 Blk of Valley View Blvd. | New sidewalk and ADA ramp construction. | \$4,277,283 |
| A2-16 | N/A | City of Roanoke | 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 | \$2,566,370 |
| A2-17 | N/A | City of Roanoke | Roanoke River Greenway – East | Wastwater Treatment Plant Trailhead at Brownlee Avenue at Current Greenway Connection on Underhill Avenue | Greenway connection between trailhead and Underhill Avenue | \$9,124,870 |
| A2-34 | 114765 | City of Roanoke | PSAP Pedestrian Signal Upgrades | 14 intersections in Downtown Roanoke | Upgrading pedestrian signals downtown to add accessible pedestrian beacons and countdown signals. | \$230,000 |
| A2-35 | N/A | City of Roanoke | PSAP New Pedestrian Signals | Eight intersections in the City of Roanoke | Adding new pedestrian signals and upgraded ADA curb ramps. | \$751,196 |

| # | UPC | JURISDICTION | PROJECT TITLE | PROJECT LIMITS | PROJECT DESCRIPTION | EST. COST IN YEAR OF EXPENDITURE ³ |
|----|--------|---------------|--|---|---|---|
| 17 | 8753 | City of Salem | U.S. 460 Widening | 0.028 mi. W Rte. 311 to 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. | \$2,912,984 |
| 18 | 108853 | City of Salem | East Main Street/College Avenue Pedestrian Improvements | Clay St. to Thompson Memorial Blvd. | VDOT Project Pool Description: East Main Street / College Avenue Pedestrian Improvements - Sidewalk replacement, crosswalks | \$1,001,000 |
| 19 | 108899 | City of Salem | Roanoke Boulevard Multimodal Improvements | McDivitt Rd. to 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 |
| 20 | 111371 | City of Salem | Downtown Salem 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 |

| # | UPC | JURISDICTION | PROJECT TITLE | PROJECT LIMITS | PROJECT DESCRIPTION | EST. COST IN YEAR OF EXPENDITURE ³ |
|-------|--------|---------------|--|--|--|--|
| 21 | 106710 | City of Salem | East Main Street Phase II | Brand Avenue to 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 | \$17,028,786 <u>\$22,131,630</u> |
| 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. | \$4,769,805 <u>\$5,958,516</u> |
| A1-15 | N/A | City of Salem | Downtown Salem - College Avenue Improvements | College Ave. from Thompson Memorial Dr. to 4 th St. | Streetscape on College Ave. – improve turn movements at Thompson Memorial, Roanoke Blvd., and 4 th Street; add sidewalks, street furniture and plantings, lighting, pedestrian crossings, etc. | \$3,500,000 <u>\$5,958,916</u> |
| 23 | N/A | City of Salem | Mason Creek 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 |
| 24 | N/A | City of Salem | Roanoke River Greenway | Rotary Park to Roanoke City Corporate Limit | Complete the greenway between Rotary Park and the Roanoke City Limit. | \$3,929,720 |

| # | UPC | JURISDICTION | PROJECT TITLE | PROJECT LIMITS | PROJECT DESCRIPTION | EST. COST IN YEAR OF EXPENDITURE ³ |
|--------------|------------------------------------|----------------------|---|---|--|---|
| A1-4 | T21500 <u>113566</u> | 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 |
| <u>A2-28</u> | <u>106486</u> | <u>City of Salem</u> | <u>Eddy Ave. Bike/Ped Bridge</u> | <u>David Smith Trail at Phase 3A Roanoke River Greenway</u> | | <u>\$226,514</u> |
| 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. | \$44,298,755 |
| 26 | N/A | Multi-Jurisdictional | Real-Time Information System | 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 |
| 27 | N/A | Multi-Jurisdictional | Transit Vehicle Expansion | Systemwide | Six (6) new vehicles in the short-term to support expansion of current public transportation network. | \$3,667,738 <u>\$3,992,130</u> |

| # | UPC | JURISDICTION | PROJECT TITLE | PROJECT LIMITS | PROJECT DESCRIPTION | EST. COST IN YEAR OF EXPENDITURE ³ |
|----|--------|----------------------|---|---|---|---|
| 28 | N/A | Multi-Jurisdictional | Tinker Creek Greenway Connectivity Study <u>COMBINED INTO PROJECT #12 / A2-4</u> | 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 |
| 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. | |
| 30 | N/A | Multi-Jurisdictional | Expanded Transit Vehicle 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. | \$2,626,915 |
| 31 | T18675 | Multi-Jurisdictional | 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 |
| 32 | T19607 | Multi-Jurisdictional | Smart Way Vehicle Expansion | 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 |
| 33 | T19810 | 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 |

| # | UPC | JURISDICTION | PROJECT TITLE | PROJECT LIMITS | PROJECT DESCRIPTION | EST. COST IN YEAR OF EXPENDITURE ³ |
|---|-------|--------------|--|---|--|---|
| 34 <u>and</u> <u>A2-</u> <u>18</u> | 77305 | Roanoke Co. | Rte. 116/Jae Valley Rd. over Back Creek - Bridge Replacement | 0.285 mi. S Rte. 945 to 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) | \$3,630,000 <u>\$4,382,096</u> |
| 35 | 82193 | Roanoke Co. | Rt. 220 <u>over Back Creek</u> Bridge Replacement | 0.199 mi. south of Route 657 to 0.311 mi. north of Route 657 | Replace bridge over Back Creek | \$10,396,000 |
| 36 | 91191 | Roanoke Co. | Roanoke River Greenway | City of Roanoke limit to 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 | \$1,608,000 |
| 37 | 94726 | Roanoke Co. | Rt. 221 <u>over Martins Creek</u> Bridge Replacement | 0.01 mi. South of the Route 221/Route 696 Intersection to 0.01 mi North of the Route 221/Route 696 Intersection | Replace bridge over Martin's Creek | \$3,648,000 |
| 38 <u>and</u> <u>A2-</u> <u>19</u> | 97171 | Roanoke Co. | Roanoke River Greenway | 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. | \$4,542,105 <u>\$5,441,074</u> |

| # | UPC | JURISDICTION | PROJECT TITLE | PROJECT LIMITS | PROJECT DESCRIPTION | EST. COST IN YEAR OF EXPENDITURE ³ |
|--|--------|--------------|--|---|--|---|
| 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. | \$1,502,079 |
| 40 | 107054 | Roanoke Co. | Rt. 311 under I-81 Bike/Ped 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. | \$700,000 |
| 41 and A2- 33 | 107055 | Roanoke Co. | Williamson Road / Peters Creek Road Bike/Pedestrian 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. | \$1,000,000 <u>\$1,220,000</u> |
| 42 and A2- 20 | 107061 | Roanoke Co. | 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. | \$5,853,432 <u>\$6,474,000</u> |
| 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 |

| # | UPC | JURISDICTION | PROJECT TITLE | PROJECT LIMITS | PROJECT DESCRIPTION | EST. COST IN YEAR OF EXPENDITURE ³ |
|----|--------|--------------|---|--|--|---|
| 44 | 108904 | Roanoke Co. | 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 |
| 45 | 108905 | Roanoke Co. | 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 |
| 46 | 108906 | Roanoke Co. | I-81 NB Auxiliary Lane | 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 |
| 47 | 110155 | Roanoke Co. | Roanoke River Greenway | 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. | \$1,733,750 |

| # | UPC | JURISDICTION | PROJECT TITLE | PROJECT LIMITS | PROJECT DESCRIPTION | EST. COST IN YEAR OF EXPENDITURE ³ |
|--------------|-----------------|----------------|--|--|---|---|
| 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 |
| 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 |
| 50 and A2-21 | 111317 | Roanoke Co. | Williamson Road Pedestrian Improvements <u>Peters Creek Road to Plantation Road</u> | Rt. 117 (Peters Creek Road) to Rt. 115 (Plantation Road) | Construct a 5' sidewalk behind the curb on the north side of Williamson Road. | \$1,441,000 <u>\$1,934,000</u> |
| 51 | 111373 | Roanoke County | 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 |
| 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). | \$611,495 |
| 53 | 111407 | Roanoke Co. | Route 419 and Route 221 Adaptive Traffic Control | 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 |

| # | UPC | JURISDICTION | PROJECT TITLE | PROJECT LIMITS | PROJECT DESCRIPTION | EST. COST IN YEAR OF EXPENDITURE ³ |
|----|--------|----------------------|---|---------------------------------------|--|---|
| 54 | N/A | Multi-Jurisdictional | Other I-81 Auxiliary Lane Projects <u>REPLACED BY OTHER I-81 PROJECTS ON THE VISION LIST</u> | Exit 140 to Exit 150 | Expand the capacity of I-81 by adding auxiliary lanes between exits. | \$29,091,632 |
| 55 | 111366 | Roanoke Co. | Plantation Road Bicycle, Pedestrian and Streetscape Phase II | 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 |
| 56 | N/A | Roanoke Co. | Roanoke River Greenway | 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 |

| # | UPC | JURISDICTION | PROJECT TITLE | PROJECT LIMITS | PROJECT DESCRIPTION | EST. COST IN YEAR OF EXPENDITURE ³ |
|-----------------------------|----------------------------|--------------|---|---|---|---|
| 57 | 15187; 15188 | Roanoke Co. | Rte. 1662/McVitty Rd. & Rte. 1663/Old Cave Spring Rd. Improvements | McVitty Road to Old Cave Spring Road 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. | \$29,473,906 <u>\$4,705,011</u> |
| A1-3 <u>and</u> 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. | \$2,098,115 <u>\$3,258,000</u> |
| A1-5 | T21502 | Roanoke Co. | I-581 Exit 2 Interchange Study | Peters Creek Road from Thirlane Road to Valleypointe Pkwy. | Reconstruct the I-581/Peters Creek Road interchange to improve turning movements and access to Valleypointe Pkwy. And Thirlane Rd. | \$150,000 |

| # | UPC | JURISDICTION | PROJECT TITLE | PROJECT LIMITS | PROJECT DESCRIPTION | EST. COST IN YEAR OF EXPENDITURE ³ |
|------------------------------|------------------------------------|--------------------|---|---|--|---|
| A1-7 <u>and</u> A2-23 | T21366 <u>113356</u> | 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. | \$366,606 <u>\$492,000</u> |
| A1-13 | T21464 <u>113947</u> | Roanoke Co. | Pedestrian Improvements on Rt. 11 (Williamson Rd.) <u>North Roanoke Assisted Living to Clubhouse Drive</u> | Clubhouse Dr. to 0.2 miles South of Greenway Drive | Pedestrian improvements along Williamson Road. | \$750,000 |
| A1-14 <u>and</u> A2-31 | T21583 <u>113173</u> | Roanoke Co. | I-81 Exit 137 SB Safety Improvements | I-81 Exit 137 SB Ramp | Safety improvements to the ramp. | \$1,500,000 <u>\$1,720,000</u> |
| A2-24 | N/A | <u>Roanoke Co.</u> | <u>Hinchee Trail Parking Lot</u> | | <u>New location trailhead parking lot to accommodate automobiles and horse trailers. Provide pedestrian, bicycle, and equestrian access to the trail.</u> | <u>\$1,720,000</u> |
| A2-25 | N/A | <u>Roanoke Co.</u> | <u>Orange Market Park and Ride and Parking Lot Improvements</u> | <u>Thompson Memorial Dr. (Route 311 at Electric Road (Route 419))</u> | <u>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.</u> | <u>\$2,138,641</u> |

| # | UPC | JURISDICTION | PROJECT TITLE | PROJECT LIMITS | PROJECT DESCRIPTION | EST. COST IN YEAR OF EXPENDITURE ³ |
|------------------------------|------------------------|--------------------------------|--|--|---|---|
| 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. | \$7,102,601 |
| A2-36 | N/A | 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. | \$10,980,326 |
| 58 | 93160 | Town of Vinton | Walnut Ave. Intersection Improvement at 8th Street | Walnut Ave. & 8th St. | VDOT Project Pool Description: intersection improvement | \$2,767,813 |
| 59 and A2-29 | 109611 | Town of Vinton | Glade Creek Greenway, Phase #2A | Walnut Ave. to Gus Nicks Blvd. to Gearhart Park | To provide a 10-foot wide, 0.58 mi. paved trail which will connect to Glade Creek Phase 1. Paved 10' wide greenway from Gus Nicks Blvd. to Gearhart Park. | \$531,210 \$600,102 |
| 59 and A2-37 | 109611 | Town of Vinton | Glade Creek Greenway, Phase 2B | Gearhart Park to Walnut Avenue | Paved 10' wide greenway from Gearhart Park to Walnut Avenue. | \$656,896 |

| # | UPC | JURISDICTION | PROJECT TITLE | PROJECT LIMITS | PROJECT DESCRIPTION | EST. COST IN YEAR OF EXPENDITURE ³ |
|-------|------------------------------------|----------------|---|---|--|---|
| 60 | N/A <u>113565</u> | Town of Vinton | Walnut Avenue Improvements Project Bicycle and Pedestrian Accommodations: <u>West Lee Avenue to 1st Street</u> | 0.47-mile segment of Walnut Ave, from 5th St, to W. Lee Ave | 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), CG-12 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. | \$3,663,585 <u>\$545,250</u> |
| A1-6 | 111649 | Town of Vinton | Walnut Avenue Bicycle and Pedestrian Accommodations (5th Street to City/Town limit) <u>5th Street to Roanoke City/Town West Limits</u> | 5 th Street to City/Town limit | Construct a sidewalk and bike lanes on Walnut Avenue between 5 th Street and the City of Roanoke - Town of Vinton limit. | \$1,446,282 |
| A1-12 | T21460 <u>113322</u> | Town of Vinton | Hardy Road/ Dillon Woods Crosswalk | Hardy Road at Dillon Drive | Install a pedestrian crosswalk on Hardy Road at Dillon Drive. | \$183,000 |

| # | UPC | JURISDICTION | PROJECT TITLE | PROJECT LIMITS | PROJECT DESCRIPTION | EST. COST IN YEAR OF EXPENDITURE ³ |
|--------------|------------|-----------------------|--|---|--|--|
| <u>A2-38</u> | <u>N/A</u> | <u>Town of Vinton</u> | <u>Walnut Avenue Improvement Project: 1st Street to 5th Street</u> | <u>1st Street to 5th Street</u> | <u>Bicycle and pedestrian accommodations that include bike lanes, sidewalks, curb and gutter, crosswalk, pedestrian lighting, ADA ramps, and storm drain improvements.</u> | <u>\$8,204,738</u> |
| | | | | TOTAL: | | <u>\$436,155,802</u> <u>\$420,292,827</u> |

The total constrained amount for new construction (~~\$436,155,802~~\$420,292,827) is lower than the projected available funding as initially provided by VDOT of \$485,474,656. The difference is the actual amount that has been allocated for the FY2016-2021 period is significantly less than the projected amount as well as unallocated funds remaining in the FY2034-2039 timeframe (\$34,354,256) and the FY2040 timeframe (\$3,860,665).

Vision List of Projects

| <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 | Botetourt County | International Parkway/U.S. 220 intersection improvements | U.S. 220 at International Parkway (Project Moved to Constrained List) | 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. | Unknown |
| 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 | U.S. 220 at the Super-8/ Howard Johnson intersection improvements U.S. 220 Access Management and Intersection Project | U.S. 220 – north of I-81 at Super-8/ Howard Johnson Exit 150 to Commons Parkway | Improve the intersection to reduce congestion and improve accessibility by utilizing innovative intersection designs. 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 |

| <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 | Botetourt County | West Center Drive | Intersection of International Parkway to end of proposed road (0.6 mi.) | Construct a new road/alignment to VDOT standards in order to access industrial and commercial sites. | \$900,000 |
| S | City of Roanoke | 13 th 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 |
| 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 |

| <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 | 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 | \$49,519,000 \$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-ln., drainage | \$5,300,000 |
| 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 (Project Moved from Constrained List to Vision List) | Extend Valley View Boulevard to Cove Road | \$48,000,000 |
| S to M | City of Roanoke/ GRTC | Downtown Roanoke Intermodal Station | Roanoke AMTRAK platform (Project Moved to Constrained List) | Multimodal connections to AMTRAK and passenger waiting area. | \$10,000,000 |
| S | City of Salem | 4th Street Signal Coordination | Union Street to College Avenue | Coordinate four traffic signals along the 4th Street corridor. | 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> |
|---------------------------|----------------------|---|--|---|------------------------------|
| ? | 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 | Multi-Jurisdictional | I-81 Auxiliary Lanes | Exit 143 to Exit 150 NB & SB Exit 140 to Exit 141 NB & SB | Added capacity on I-81 | \$84,486,697 |
| L | Multi-Jurisdictional | I-81 Corridor Improvements MM 116 to Exit 128 | MM 116.2 to MM 128.4 | Capacity expansion to improve I-81 reliability, widen to three lanes from MM 116 to Exit 128. (approx. 12.2 mi.) | \$201,210,000 |
| L | Multi-Jurisdictional | I-81 Corridor Improvements Exit 128 to Exit 137 | MM 128.4 to MM 137.1 | Capacity expansion to improve I-81 reliability, widen to three lanes from Exit 128 to Exit 137. (approx. 8.7 mi.) | \$185,958,000 |
| S | Multi-Jurisdictional | I-81 Corridor Improvements Exit 137 to Exit 141 | MM 137.1 to MM 141.8 | Capacity expansion to improve I-81 reliability, widen to three lanes from Exit 137 to Exit 141. (approx. 4.7 mi.) | \$231,005,000 |
| M | Multi-Jurisdictional | I-81 Corridor Improvements MM 144 to Exit 150 | MM 144.2 to MM 151.3 | Capacity expansion to improve I-81 reliability, widen to three lanes from Exit 137 to Exit 141. (approx. 4.7 mi.) | \$232,595,000 |
| 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 |

| <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. | 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 |

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|---------------------------|---------------------|--|--|--|------------------------------|
| 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 |
| 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 |

| <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 | 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 |
| 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 | Ogden Rd. 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 |

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|---------------------------|----------------------------------|--|---|--|------------------------------|
| S-M | Roanoke Co. | Ogden Road Bicycle and Pedestrian Improvements | Ogden Road (Route 681) from Route 419 to Colonial Avenue | 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. | Unknown |
| S-M | Roanoke Co. | Route 419 Bicycle, Pedestrian and Streetscape Improvements, Carriage Lane/Grandin 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 |

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|---------------------------|---------------------------|---|--|--|-------------------------------------|
| 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 |
| M | Town of Vinton | Walnut Avenue and 8th Street Intersection | Walnut Avenue and 8th Street (Project already included in constrained list.) | | \$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 | Multiuse paved trail from Glade Creek Greenway Phase 2 Trailhead to Vinyard Park | \$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 | Improvements to roadway alignment to include bicycle accommodations. Install base, subbase, and asphalt to rebuild the road; full length and width as needed; 1.12 miles. | \$800,000 \$1,000,000 |
| S | Town of Vinton | Gus Nicks Boulevard Pedestrian Crossing | 300 Block of Gus Nicks Boulevard | Pedestrian crossing to connect the Glade Creek Greenway Phase II Trailhead to the economic development site at the Gish Mill Property. | Unknown |
| M | Town of Vinton | Virginia Avenue/Third Street Intersection Study and Design | Virginia Avenue at Third Street | Improvements to the existing signalized intersection to enhance safety and reduce congestion. Improve access management for businesses on Virginia Avenue. | Unknown |

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|---------------------------|---------------------|---|---|--|------------------------------|
| M | Town of Vinton | Virginia Avenue/ South Pollard Street Intersection Study and Design | Virginia Avenue at South Pollard Street | 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 | Hardy Road/Bypass Road Intersection Study and Design | Hardy Road 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 | 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 |

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|---------------------------|---------------------|---|---------------------------------|--|------------------------------|
| 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 |

TOTAL FOR KNOWN PROJECT COSTS:

\$1,662,912,230

Although some vision list projects do not have an estimated cost, the sum of those that do is ~~\$821,849,927~~ \$1,662,912,230 without inflation.