

Priority Projects/Services/Studies to Pursue for Funding

Roanoke Valley Transportation Planning Organization



Introduction

This spreadsheet lists the region's priority projects to pursue for funding in the Roanoke Valley Transportation Plan along with the project's description and estimated total cost in 2022.

[See the NEST tool to map the projects:](https://experience.arcgis.com/experience/ba6a7632c966493e8bc60459676fd1af)

<https://experience.arcgis.com/experience/ba6a7632c966493e8bc60459676fd1af>

List	RVTPO Title	Street	Limit From	Limit To	Description	Total Cost
Short-Term Constrained	Campbell Avenue Bicycle and Pedestrian Improvements	Campbell Avenue / Norfolk Avenue	Williamson Road (Downtown)	Tinker Creek	Construct a shared-use bike/pedestrian path (part of the Lick Run Greenway) on the north side of the street, curb and gutter, street trees, and milling and resurfacing the existing roadway and related stormwater improvements. Maintain some on-street parking and add an on-street bike lane where space allows.	\$18,372,860
Short-Term Constrained	Cove Road / Peters Creek Pedestrian Improvements	Cove Road / Peters Creek Road	Green Ridge Road	Food Lion Driveway	Construct sidewalks, curb and gutter, crosswalks, between businesses at the Peters Creek Rd/Cove Rd intersection to Green Ridge Road.	\$8,139,217
Short-Term Constrained	Jefferson Street Safety Improvements	Jefferson Street	Elm Ave.	McClanahan Rd.	Reconfigure roadway space to provide a cycletrack for bikes and reduce lanes from 4 to 3 with one in each direction and a center turn lane.	\$14,880,469
Short-Term Other	I-81 SB Widening from Exit 137 to Exit 128	I-81	Exit 137	Exit 128	VDOT-identified solution to address delay, crashes and accessibility to jobs by widening I-81 southbound from two to three lanes between Exit 137 and Exit 128.	\$292,000,000
Short-Term Other	Virginian Line Track Improvements to facilitate AMTRAK Expansion	Virginian Line Railroad	MP251 in Salem	RVTPO Boundary	A distance of approximately 8.5 miles of Virginian Line railroad (including the bridges/culverts that support the track) will be improved to enable AMTRAK passenger service between Roanoke and the New River Valley.	\$25,400,000
Short-Term Other	Wiley Drive over Roanoke River near Franklin Road Bridge Replacement	Wiley Drive	Roanoke River (near Franklin Road)		Replace existing bridge with a higher one to minimize facility closures due to flooding. New bridge to include a shared-use path for bikes/pedestrians and one-lane for eastbound motor vehicles. (\$2.5M received in Fall 2022 from federal earmark, remaining is needed.)	\$3,500,000
Short-Term Other - Study	STUDY: Electric Road at Brambleton Avenue Intersection Improvement Study	Electric Road	Brambleton Avenue		Study the needs at this intersection and identify options for how to address them.	\$150,000
Short-Term Other - Study	STUDY: Interchange Access Report (IAR) for Virginia Tech Carilion Access Improvements	U.S. 220	Franklin Road		Continue to study the potential for an interchange reconfiguration to enable travel from Franklin Road to U.S. 220 North and southbound U.S. 220 to Franklin Road.	\$2,000,000
Short-Term Other - Study	STUDY: Peters Creek Road / Williamson Road Corridor Study	Peters Creek Road / Williamson Road	Wood Haven Road	Plantation Road	Growth in the corridor is prompting the desire to study the needs of the corridor to determine how best to address them.	\$150,000
Short-Term Other - Study	STUDY: Washington Avenue Corridor Improvement Study	Washington Avenue	South Pollard Street	Stonebridge Drive	To identify and design projects to address safety issues, access management needs, multimodal deficiencies, and vehicular congestion issues during peak hours along Washington Avenue between South Pollard Street in the Town of Vinton to Stonebridge Drive at the Blue Ridge Parkway in Roanoke County, a distance of 2.5 miles.	\$150,000
Short-Term Constrained (SSR5)	East Main Street Phase 2, Parkdale Drive to Mason Creek	East Main Street	Parkdale Drive	Mason Creek	Convert two-lane road to three-lane with a two-way center turn lane, bike lanes, curb and gutter, and sidewalks.	\$20,316,619
Short-Term Constrained (SSR5)	East Roanoke River Greenway Gap, Phase 2	Off-Road	Explore Park property	Explore Park property	Construction of a 10' paved shared-use path as part of the Roanoke River Greenway between two Explore Park, Virginia Recreational Facilities Authority properties.	\$27,624,647
Short-Term Constrained (SSR5)	Electric Road Pedestrian Signal Improvements	Electric Road	Brambleton Avenue	Postal Drive	Construct pedestrian signals and crosswalks at two adjacent Route 419/Electric Road intersections: Route 221/Brambleton Avenue and Postal Drive/Berry Lane.	\$3,944,955
Short-Term Constrained (SSR5)	Electric Road Safety Improvements, Grandin Rd. Ext. to Keagy Rd.	Electric Road	Grandin Rd Ext.	Keagy Rd.	Activities for this project include: a Restricted Crossing U-Turn (RCUT) on Grandin Rd. Ext., Keagy Rd. South crosswalk, sidewalk from Grandin Rd. Ext. to Keagy Village on the County side, sidewalk from Starbucks to Keagy Rd. South on the City side, Keagy Rd. North crosswalks.	\$13,602,562

List	RVTP0 Title	Street	Limit From	Limit To	Description	Total Cost
Short-Term Constrained (SSR5)	Electric Road Safety Improvements, Stoneybrook to Grandin Rd. Ext.	Electric Road	Stoneybrook Dr.	Grandin Rd. Ext.	Route 419/Electric Road Safety Improvements, Stoneybrook Road to Grandin Road Extension. This project proposes to modify the Stoneybrook Drive and Glen Heather Drive intersections to Restricted Crossing U-Turn (RCUT) intersections. Sidewalk is also proposed along the western side of Route 419 between Glen Heather Drive and Grandin Road Extension.	\$6,624,464
Short-Term Constrained (SSR5)	Hardy Road and Bypass Road Roundabout	Bypass Road	Hardy Road (Rt. 24/634)		Convert the intersection of Hardy Road/Bypass Road (Rt. 24) and Hardy Road (Rt. 634) from a signalized intersection to a two-lane roundabout. The project includes sidewalk in the immediate area of the roundabout.	\$17,123,028
Short-Term Constrained (SSR5)	I-581 at Peters Creek Road Interchange Improvements	Peters Creek Road	Thirlane Road	Valleypointe Parkway	Realign I-581 NB off-ramp to meet Peters Creek Road at a new traffic signal changing from one merge lane to two right-turn lanes; restrict left turns from SB Thirlane Road to minimize conflict points near interchange ramps. Add a downstream U-turn along Peters Creek Rd for re-directed left turns. Add a second EB Peters Creek left turn lane onto Valleypointe Pkwy to increase capacity. Add pedestrian and bicycle accommodations along Peters Creek Rd.	\$17,356,847
Short-Term Constrained (SSR5)	I-581/ U.S. 460/ U.S. 11 Improvements	Orange Avenue	I-581	U.S. 11/Williamson Road	The STARS Route 460 (Orange Avenue) study has identified operational and safety issues for the 460 corridor. The study's findings suggest improvements proposed for the Orange Ave and Williamson Rd intersection, including a signalized off-ramp from I-581, an additional eastbound left-turn lane, and additional lanes on Williamson Rd north of the intersection. These solutions mitigate the identified safety issues, improve traffic operations, and alleviate congestion. As noted in the STARS Route 460 (Orange Avenue) study, the I-581 interchange at Route 460 has vehicular, pedestrian, and bicycle-related safety and congestion issues. This project will provide solutions to mitigate the safety issues for all users, provide additional travel mode choices, improve traffic operations, and alleviate congestion.	\$25,670,186
Short-Term Constrained (SSR5)	Orange Avenue - 11th to 24th Operational Intersection Improvements	Orange Avenue	11th Street	24th Street	Traffic operational and safety improvements along Orange Avenue from 11th Street, N.E intersection to 24th Street, N.E.	\$28,251,041
Short-Term Constrained (SSR5)	Orange Avenue/ Kimball/ Plantation Road Improvements	Orange Avenue	Kimball Avenue/Plantation Road		The proposed improvements for this project include widening the northbound Kimball Avenue and southbound Plantation Road approaches to Route 460 to provide three approach lanes. The northbound approach would be widened within the median along Kimball Avenue to provide a left-turn lane, a through lane, and a right-turn lane. The southbound approach would be widened to provide a left-turn lane, a through lane, and a shared through/right-turn lane. In addition, the westbound Route 460 left turn lane is proposed to be extended to the railroad overpass to reduce the potential for left-turning vehicles extending out of the turn lane, which was observed under existing conditions.	\$8,533,761
Short-Term Constrained (SSR5)	Texas Street Widening	Texas Street	Roanoke Boulevard	Electric Road	Improve I-81 Bypass route, specifically along Texas St (Route 11, Alt US-460) from Electric Rd (Route 419) to Roanoke Blvd. Project to include new signal and intersection improvements at Texas St & Electric Rd, widening Texas St to have 4 vehicular travel lanes with bike/ped accommodations.	\$23,505,499 (does not include ROW)

List	RVTP0 Title	Street	Limit From	Limit To	Description	Total Cost
Short-Term Constrained (SSR5)	U.S. 220 Access Management	U.S. 220	Route 11	Appalachian Trail	Improvements to the Exit 150 1-81/220 interchange to address safety, traffic flow, and access concerns largely associated with weaving from tractor-trailers and other vehicles exiting the interstate. I-81 SB ramp to U.S. 220 SB will be removed and replaced with a new off-ramp for both NB and SB U.S. 220 traffic that intersects U.S. 220 at a new traffic signal. The existing U.S. 220 NB on-ramp will be replaced with a larger radius ramp and a shared-use path will be constructed on the north/east side of U.S. 220 between Route 11 and the new traffic signal and then switch to the west side to the Appalachian Trail.	\$15,831,723
Short-Term Constrained (SSR5)	U.S. 220 Access Management and Park & Ride	U.S. 220	Appalachian Trail	Commons Parkway	Addition of sidewalk along 220 N and shared-use path on 220 S to Commons Parkway to provide Appalachian Trail users safe crossing of 220, including a traffic signal restricting cross-traffic from Wesley Rd to Commons Pkwy. Additionally, the construction of a new Park and Ride facility and access road with greater capacity than the current park and ride lot.	\$31,543,823
Short-Term Constrained (SSR5)	U.S. 220 in Daleville - Intersection Conversions to RCUTs	U.S. 220	Tinker Mountain Drive	Valley Road	Convert crossovers along the Route 220 Corridor in Daleville to RCUT's to provide a superstreet concept. Add two traffic signals in front of Lord Botetourt High School, four Restricted Crossing U-Turns (RCUTs) at Wendover Rd., Tinker Mill Rd., Lord Botetourt HS south entrance, and Valley Road.	\$20,511,303
Short-Term Constrained (SSR5)	Valley Road sidewalk under I-81	Valley Road (Rt. 779)	Appalachian Trail	Appalachian Trail	Under I-81, construct a sidewalk for Appalachian Trail users.	\$3,001,973
Short-Term Constrained (SSR5)	Walrond Drive Pedestrian Improvements	Walrond Drive	Plantation Road	Walrond Park Road	Sidewalk, ADA ramps, crosswalks, curb, gutter, underground stormwater detention and street trees.	\$7,217,718
Short-Term Constrained (SSR5)	West Main Street Pedestrian Improvements, Phase 3	West Main Street	City of Salem limit	Technology Drive	This project will complete the missing sidewalk pieces that could not be constructed from UPC 108882, West Main Street Pedestrian Improvements, Phase 2, due to insufficient funds. Those segments include the south side of West Main Street between the City of Salem and Daugherty Road and the north side of West Main Street between Daugherty Road and Technology Drive. The sidewalk will be five feet wide concrete with pedestrian crosswalks at public roads.	\$7,059,184
Short-Term Constrained (SSR5)	Williamson Road Multimodal Improvements	Williamson Road	Hershberger Road	Wells Avenue	This corridor-wide safety improvements project along Williamson Road from Hershberger Rd to Wells Ave includes lane reallocations, a two-way left-turn lane, the inclusion of bicycle lanes where none currently exist, pedestrian sidewalk, and crosswalk improvements, and traffic signal optimizations. The project's goals are to improve access and safety for the traveling public along the corridor.	\$66,712,353
Short-Term Constrained (SSR5)	Williamson Road Sidewalk	Williamson Road	Plymouth Dr.	Clubhouse Dr.	Extend sidewalk in design between North Roanoke Assisted Living and Plymouth Drive (UPC 113947) along the western side of Williamson Road from Plymouth Drive to Clubhouse Drive, with pedestrian signals and crosswalks at the Williamson/Clubhouse/Dent signalized intersection.	\$6,700,942
Long-Term Constrained	Cove Road Streetscape	Cove Road	Hershberger Road	Peters Creek Road	Add turn lanes, curb and gutter, sidewalk, bike lanes, drainage	\$20,000,000
Long-Term Constrained	East Main Street Phase III	East Main Street	Brand Avenue	Parkdale Drive	Improve drainage, capacity, and non-motorized facilities by adding storm sewer, curbing, sidewalks, bike lanes, and two-way center turn lane.	\$22,131,630
Long-Term Constrained	Roanoke River Greenway - Underhill	Off-Road	Water Pollution Control Plant	Tinker Creek Greenway	Construction of a 10' paved shared-use path as part of the Roanoke River Greenway from the Water Pollution Control Plant to Tinker Creek Greenway	\$8,710,000
Long-Term Other	Virginia Tech Carilion Access Improvements	U.S. 220	Franklin Road		Provide more direct access from U.S. 220 to VTCRI campus by adding ramps to enable travel from Franklin Road to U.S. 220 North and southbound U.S. 220 to Franklin Road.	\$120,000,000
Transit Constrained	Bus Stop Enhancements	N/A	N/A	N/A	Bus stop amenities may include trashcans, lights, benches, or shelters. The specific stops have not been identified.	\$600,000

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Transit Constrained	CORTRAN turnkey third-party provided operating assistance	N/A	Roanoke County, Town of Vinton	Roanoke County, Town of Vinton, City of Salem, City of Roanoke	Operating assistance for Via Transportation, Inc. under contract with Roanoke County to provide on-demand transit services for Roanoke County residents 70+ or of any age with a disability.	\$1,200,000
Transit Constrained	Preventative Maintenance for Valley Metro Vehicles	N/A	N/A	N/A	Maintenance to keep vehicles/equipment running smoothly.	\$3,595,308
Transit Constrained	Purchase of paratransit vehicles	N/A	N/A	N/A	Capital assistance to support transportation for people with disabilities in the City of Roanoke, City of Salem, and the Town of Vinton beyond the 3/4-mile area around fixed routes to destinations within those localities.	\$640,000
Transit Constrained	Renovation of Administration and Maintenance Building	N/A	N/A	N/A	Upgrades to the maintenance space and a break area in the maintenance shop.	\$1,000,000
Transit Constrained	Replace Valley Metro transit vehicles	N/A	N/A	N/A	Fixed-route buses and paratransit service vehicles utilized by RADAR under contract to Valley Metro.	\$13,720,152
Transit Constrained	Shop Equipment		0		Equipment for bus maintenance.	\$80,000
Transit Constrained	Valley Metro Support Vehicles	N/A	N/A	N/A	These are vehicles used by supervisors, dispatch, maintenance, admin, etc. that support the service but don't carry passengers.	\$240,000