

Priority Projects/Services 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 scope and estimated cost in the year of expenditure. Once funding is identified for the project, it will be considered for inclusion in the RVTP's Transportation Improvement Program funded projects list. Costs for Transit Constrained projects are for the FFY24-27 period.
[See the NEST tool to map the projects: https://experience.arcgis.com/experience/ba6a7632c966493e8bc60459676fd1af](https://experience.arcgis.com/experience/ba6a7632c966493e8bc60459676fd1af)

Priority Project? Yes

RVTPO Title	Street	Limit From	Limit To	Description	Total Cost	Project Horizon
Brambleton Avenue (Rt. 221) Bicycle/ Pedestrian Improvements	Brambleton Avenue	2300 Block of Brambleton Avenue	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.	\$15,000,000	Long-Term Constrained
Roundabout at Hardy Road and Bypass Road	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
Campbell Avenue Bicycle and Pedestrian Improvements	Campbell Avenue	Tinker Creek	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.	\$19,109,162	Short-Term Constrained
Chaparral Drive Pedestrian Improvements	Chaparral Drive	Purple Finch Road	Woodthrush Drive	Build a sidewalk in front of Cave Spring High School.	\$3,733,930	Short-Term Constrained
Church Ave	Church Avenue	Jefferson St.	5th St.	Streetscape improvements	\$9,000,000	Long-Term Constrained
Cove Road	Cove Road	Hershberger Road	Peters Creek Road	Add turn lanes, C&G, sidewalk, bike lanes, drainage	\$20,000,000	Long-Term Constrained
East Main Street Phase II (Previous UPC 106710)	Lynchburg Turnpike	Brand Avenue	Kessler Mill Road	Improve drainage, capacity, and non-motorized facilities by adding storm sewer, curbing, sidewalks, bike lanes, and turn lanes. (Previous UPC 106710)	\$22,131,630	Short-Term Constrained
Route 419/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
Electric Road Safety Improvements - Grandin Road Ext. to Keagy Rd.	Electric Road	Grandin Rd Ext.	Keagy Rd.	Activities for this project include: an 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.	\$12,489,305 (does not include ROW)	Short-Term Constrained
Electric Rd. Safety Improvements, Stoneybrook Dr. - 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 intersections. Sidewalk is also proposed along the western side of Route 419 between Glen Heather Drive and Grandin Road Extension.	\$6,605,629	Short-Term Constrained
Hershberger Road	Hershberger Road	Cove Rd.	Peters Creek Road	Add turn lanes, C&G, sidewalk, bike lanes, drainage	\$20,000,000	Short-Term Constrained
Hollins Road	Hollins Road	Orange Ave.	Liberty Rd.	Widening to 4 lanes w/bicycle lanes	\$6,000,000	Long-Term Constrained
Jefferson Street	Jefferson Street	Elm Ave.	McClanahan Rd.	Multimodal improvements, lane reconfigurations, & streetscape improvements	\$20,000,000	Short-Term Constrained
King Street	King Street	Gus Nicks Blvd.	Orange Ave.	Add turn lanes, C&G, sidewalk, bike lanes, drainage, reconstruct signal	\$22,000,000	Long-Term Constrained
Liberty Road	Liberty Road	Burrell St.	Hollins Rd.	Add turn lanes, C&G, sidewalk, bike lanes, drainage, reconstruct signal	\$20,000,000	Short-Term Constrained
Main Street Bridge Replacement and Improvements Project	Main Street	Ferdinand/Elm	Winona Ave.	Replacement of Main Street bridge with bike lanes and construction of a roundabout at Ferdinand Ave. SW	\$25,000,000	Short-Term Constrained
Memorial Avenue	Memorial Avenue	Grandin Rd.	Denniston Ave.	Streetscape improvements	\$5,000,000	Long-Term Constrained
Lick Run Greenway Phase 4	Off-Road	Lewiston Road (Countyside Park)	Peters Creek Road	Multi-use bicycle & pedestrian trail	\$10,000,000	Long-Term Constrained
East Roanoke River Greenway Gap, Phase 2	Off-Road	Water Pollution Control Plant	VRFA property	Construction of the Roanoke River Greenway from the Water Pollution Control Plant to VRFA property	\$29,422,284	Short-Term Constrained
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.	\$23,217,568	Short-Term Constrained
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.	\$22,744,208	Short-Term Constrained
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.	\$7,581,383	Short-Term Constrained
Orange Avenue at I-581 Interchange Reconfiguration	Orange Avenue	Gainsboro Rd.	Williamson Rd.	Potential signalization of I-581 off-ramps (NB and SB) to eliminate weaving issues. More specific project recommendations to be developed during a study in FY22.	\$23,217,568	Short-Term Constrained
Orange Avenue	Orange Avenue	0.006 mi. W Int. 11th St. NE	0.232 mi. E Int. Gus W. Nicks Blvd. NW	Alternative intersections to limit some turn movements and increase traffic flow on U.S. 460. See Route 460 Operational Improvements Study for detailed intersection recommendations.	\$22,744,208	Short-Term Constrained

Texas Street Widening from Roanoke Boulevard to Electric Road	Texas Street	Roanoke Boulevard	Electric Road	Improve I81 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)	Short-Term Constrained
Route 220 Access Management - Route 11 to Appalachian Trail	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.	\$10,484,027 (ROW not included in this draft cost)	Short-Term Constrained
Rt 220 Access Management/Park & Ride - AT to Commons Pkwy	U.S. 220	Appalachian Trail	Commons Parkway	Addition of multi-use path along 220 N and 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 with greater capacity than the current site.	\$27,638,229 (does not include ROW)	Short-Term Constrained
Route 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.	\$16,141,000 (does not include ROW)	Short-Term Constrained
Virginia Tech Carilion Access Improvements	U.S. 220	U.S. 220	Jefferson St./Reserve Ave.	Provide more direct access from U.S. 220 to VTCRI campus.	\$120,000,000	Long-Term Constrained
Sidewalk under I-81 at Valley Road/Appalachian Trail	Valley Road (Rt. 779)	Appalachian Trail	Appalachian Trail	Under I-81, construct a sidewalk for Appalachian Trail users.	\$1,159,501 (does not include ROW)	Short-Term Constrained
I-581 to Cove Rd.	Valley View Boulevard	I-581	Cove Rd.	Extend Valley View Boulevard to Andrews and then Cove Road	\$75,000,000	Long-Term Constrained
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.	Awaiting cost estimate.	Short-Term Constrained
Walrond Drive Pedestrian Improvements	Walrond Drive	Plantation Road	Walrond Park Road	Sidewalk, ADA ramps, crosswalks, curb, gutter, underground stormwater detention and street trees.	\$6,624,260	Short-Term Constrained
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
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.	\$3,500,000	Short-Term Constrained
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
Williamson Road Sidewalk, Plymouth Dr. to Clubhouse Dr.	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	Short-Term Constrained
CORTAN 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
Purchase of RADAR 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
VM Fixed-Routes: 11, 12, 15, 16, 21, 22, 25, 26, 31, 32, 35, 36, 41, 42, 51, 52, 55, 56, 61, 62, 65, 66, 71, 72, 75, 76, 85, 86, 91, 92. SmartWay: Base, Express and Connector. Starline	N/A	Downtown Roanoke, Various	Various	See the list of all fixed-route buses, SmartWay Base, Express and Connector and Starline Trolley.	\$35,153,304	Transit Constrained
Preventative Maintenance for Valley Metro Vehicles	N/A	N/A	N/A	Maintenance to keep vehicles/equipment running smoothly.	\$3,578,484	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.	\$6,320,152	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	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	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