

Priority Regional Transportation Needs

Roanoke Valley Transportation Planning Organization



Introduction

This spreadsheet lists the regional priority transportation needs identified in the Roanoke Valley Transportation Plan along with available information for understanding the nature of the need. Additional information will be added as the needs are further studied, matched with possible solutions, and in some cases, advance to the stage of projects.

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

Priority Status	Yes
Need Type	Access (Non-Transit)

Need ID	Need Type	Simple Location	Detailed Location	Need	Score	Investment	Need Status	Rationale	Possible Common Transportation Solutions	Possible Unique or Non-Transportation Solutions	Relevant Recent or Ongoing Studies and/or Recommendations	Preferred Solutions or options	Project / Service/Study, Lead Agency	Associated Unfunded Projects
N_1250_N_A	Access (Non-Transit)	Route 419	Brambleton Ave		42		Partially addressed							NA
N_1765_N_A	Access (Non-Transit)	U.S. 11 - Lee	Cloverdale Road	Access to Troutville	42		Gap	Difficult intersection - Botetourt is applying for SMART SCALE Round 5 to correct it.	Intersection Reconfiguration (install new signal or innovative intersection); Safety Improvements for Motorists - Pavement Markings; Safety Improvements for Motorists - Signage		US 220/220 Alt - Roanoke Road/Cloverdale Road from Route 11 to Commons Parkway Project Pipeline Study	Interchange Reconfiguration to remove and realign ramps.	Botetourt County SMART SCALE Round 5 application: Route 220 Access Management - Route 11 to Appalachian Trail	NA
N_532_N_A	Access (Non-Transit)	Water Plant	South end of the bridge of the Roanoke River Greenway at the Water Pollution Control Plant	Access from here to Bennington St greenway parking area and to Explore Park	33	Engineering and ROW funded for a greenway.	Partially addressed	Construction of greenway not yet funded.						NA
N_541_N_A	Access (Non-Transit)	Lynchburg Turnpike	North end of Mason Creek Greenway	Access to south end of Hanging Rock Battlefield Trail	25	None as of May 2022.	Gap		New Shared-Use Path/ADA Accessible Greenway Trail		Preliminary cost estimate and concepts as part of a truck bypass for the City.	None identified at this time.	None.	NA
N_1372_N_A	Access (Non-Transit)	Franklin Street	Phillips Brook Ln		0	Revenue Sharing improvements to pay to straighten a curve on Franklin Street and put curb/gutter.	Gap	Mainly a safety concern for automobiles. Additionally, new development taking place increasing traffic and adding to the unsafe concerns.	Roadway Reconstruction; New Sidewalk			None identified at this time.	None.	NA

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Priority Status	Yes
Need Type	Access (Transit)

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N_2071_T_A	Access (Transit)	U.S. 11-Williamson	Peters Creek Road		100	Williamson Road Pedestrian Improvements Peters Creek Road to Plantation Road, ROUTE 11 & 117 ROANOKE CO. - PEDESTRIAN SAFETY IMPROVEMENTS; CORTRAN and Botetourt County Van Service	Gap	Only accessible to older or disabled County/Vinton residents via CORTRAN and Botetourt County Van Service.	New Transit Route (local, commuter, intercity); New Transit Service (ex. Elderly/disable on-demand transportation, flexible on-demand transit service, taxi vouchers, destination specific shuttle services, etc.); Get a ride from a friend/family/taxi/ride-hailing	Alternative/new mode infrastructure (drone docking, e-bike or scooter docking, etc...); Utilize similar destinations in more transit accessible places.	Long-Term, see recommendations in Transit Vision Plan.	None identified at this time.	Valley Metro to study options to address this need.	NA
N_474_T_A	Access (Transit)	DMV	DMV	Acces to DMV	92	Botetourt Van Service, CORTRAN	Gap	Only accessible to older or disabled Botetourt County residents via Botetourt Van Service, Roanoke County/Vinton residents via CORTRAN. No other projects to provide service at this time.	New Transit Route; New Transit Service (ex. Elderly/disable on-demand transportation, flexible on-demand transit service, taxi vouchers, destination specific shuttle services, etc.); Get a ride from a friend/family/taxi/ride-hailing	Alternative/new mode infrastructure (drone docking, e-bike or scooter docking, etc...); Provide satellite DMV kiosks/stations where transit exists. Provide more online DMV services. Move the DMV to a transit-accessible location.	Transit Vision Plan. Check most recent TDP.	Provide satellite DMV kiosks/stations where transit exists. Get a ride from a friend/family/taxi/ride-hailing when DMV connect is insufficient. Study other possible solutions to address this need.	Valley Metro to study options to address this need.	NA

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Priority Status	Yes
Need Type	Congestion

Need ID	Need Type	Simple Location	Detailed Location	Need	Score	Investment	Need Status	Rationale	Possible Common Transportation Solutions	Possible Unique or Non-Transportation Solutions	Relevant Recent or Ongoing Studies and/or Recommendations	Preferred Solutions or options	Project / Service/Study, Lead Agency	Associated Unfunded Projects
N_1652_T	Congestion	U.S. 460 - Orange	I-581 to Roanoke city limit	Hard to judge oncoming traffic when turning; Speeding, hard to merge; Short turn lanes	86	Transit projects (Route 26 & 25, 21 & 22 fixed-routes), #SMART18 - HOLLINS RD & ORANGE AVE INTERSECTION IMPROVEMENTS (address congestion on small portion)	Partially addressed	Various investments along this corridor funded to address these concerns. Additional project to address congestion planned for SMART SCALE Round 5.	Access management; New Turn Lane; New General Travel Lanes; Signal Coordination/Re-timing; ITS for Roadways	Offset left turn lanes from travel lanes.	#SMART18 - HOLLINS RD & ORANGE AVE INTERSECTION IMPROVEMENTS (address congestion on small portion)	Install a signal at 581NB off-ramp at Orange Ave., additional left-turn lane to Williamson Road.; alternative intersections constructed at multiple locations between 11th St. and 24th St.	I-581/U.S. 460/U.S. 11 Improvements - SMART SCALE Round 5 application; 460/Orange Ave - 11th to 24th Improvements - SMART SCALE Round 5 application	NA
N_2082_T	Congestion	I-581	Elm Avenue to I-81		83	Route 16 Fixed-Route Transit Service, SMART WAY Base Fixed-Route Transit Service, I-581 Exit 2 Interchange Study	Partially Addressed	Congestion at interchanges makes merging difficult.	Interchange Reconfiguration; New Turn Lane		Studies taking place at Peters Creek Road, Orange Avenue, and Williamson Road to identify interchange improvements.	Additional 581 NB exit ramp to Orange Ave. plus a new signal at this ramp and Orange Ave., reconfigure NB exit ramp to Peters Creek Rd.	Roanoke City SMART SCALE Round 5 applications: I-581 at Exit 2 Interchange Improvements and I-581/U.S. 460/U.S. 11 Improvements	NA
N_15_T	Congestion	Bypass Road	Hardy Road	HighTraffic/slow flow;speed;signal timings;ped safety	72	Fixed-Route Transit Service, Routes 35 & 36.	Partially addressed	Investment partially addresses the need.	Access Management: Signal Coordination/Re-timing; Intersection Reconfiguration (install new signal or innovative intersection)		Vinton applying for a SMART SCALE Round 5 grant to address this congestion need with a roundabout.	Alternative intersection - roundabout	Vinton SS Round 5 application for a two-lane roundabout with sidewalk in the immediate area of the roundabout.	NA
N_8_T	Congestion	Hardy Road	Chestnut Street to Bypass Road	p9-Projected to be LOS F by 2035	72	Hardy Road/Dillon Woods Crosswalk	Gap	Funded project does not address congestion on Hardy Road.			Route 24 Bike/Pedestrian Plan			NA
N_216_T	Congestion	Washington Avenue	Pollard Street to Blue Ridge Parkway	Not enough turning lanes for cars leaving the two lanes. Slows down traffic in both lanes, traffic volume/congestion; Projected to be LOS F	59	Route 35 & 36 fixed-routes. Route 24 Bike/Pedestrian Plan completed in 2022.	Partially addressed	County notes significant crash data at several intersections - may contribute to congestion. Transit service investment only partially addresses the need.	Access Management; New Turn Lane; Intersection Reconfiguration (install new signal or innovative intersection); Lane Reconfiguration - Road Diet		Included in Congestion Management Plan and Transit Vision Plan. Most recent Route 24 Bike/Pedestrian Plan indicates a road diet with one travel lane in each direction, a center turn lane, and bike lanes. Continue to study	No preferred solution to address this need has been identified at this time.	Study of Washington Avenue congestion needs.	NA
N_2081_T	Congestion	Plantation Road	Walrond Park		35		Gap	No funded projects address congestion at Plantation Road and Walrond Park.				Address congestion by constructing a sidewalk between Plantation Rd and Walrond Park.	None.	NA
N_1626_T	Congestion	I-81	RVTPO boundary to RVTPO boundary	Short ramps, Left merge on/off I-81; Future LOS forecasted to deteriorate, Speeding traffic; Left merge on/off I-81	31	I-81 widening (Project UPCs 108906, 111373, 116203, 116201, 116197) - MM 144 to Exit 150 one more lane in both directions, I-81 NB widening to add one more lane - Exit 128 to Exit 137, I-81 SB widening to add one more lane - MM141	Partially Addressed	Investments meet most congestion needs. Exit 137-128 SB is not scheduled to be widened currently, and there are concerns about reliability in this section.	New Turn Lane; Interchange Reconfiguration; Safety Improvements for Motorists - Pavement Markings; Safety Improvements for Motorists - Signage		Congestion Management Process	Additional study for Exit 137-128 SB - Look at crash statistics in this section. Clarify the need in this section. Montgomery County	Virginian Line railroad 8.5 miles of track improvements to Additional study of exit 137-128 SB and general I-81 congestion trends, utilizing Smart Way	NA
N_1624_T	Congestion	U.S. 11	Plantation Road to Cloverdale Road (U.S. 220 Alt.)		16	Widening of I-81 may help alleviate congestion on U.S. 11 in Botetourt and Roanoke Counties if motorists use I-81 instead of U.S. 11. UPC 107055, 111317, 107055, 113947 (Rt 11/117/Williamson Rd. pedestrian safety improvements in Hollins)	Partially Addressed	Funded projects partially address the need.	Access Management; Intersection Reconfiguration (install new signal or innovative intersection)	Examine the land uses in this corridor. This suburban strip development likely influences safety for motorists and other travelers. Explore new alternative intersection designs.	As a parallel route and part of the CoSS - I-81 Corridor Improvement Plan.	None identified at this time.	Study: Williamson Rd/Rt 11 multimodal safety, land use and access management study from Hershberger Rd. to RT 221 Alt/I-81. Length of corridor and complexity of needs requires a comprehensive review of multimodal safety, access management, and traffic needs from Hershberger to US 221 Alt/I81, incorporating solutions and connecting to existing programmed pedestrian	NA

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Priority Status	Yes
Need Type	Safety (auto)

Need ID	Need Type	Simple Location	Detailed Location	Need	Score	Investment	Need Status	Rationale	Possible Common Transportation Solutions	Possible Unique or Non-Transportation Solutions	Relevant Recent or Ongoing Studies and/or Recommendations	Preferred Solutions or options	Project / Service/Study, Lead Agency	Associated Unfunded Projects
N_683_MV_S	Safety (auto)	I-581	U.S. 460	Short merge lanes; Too many lanes for pedestrians to cross; on street parking dangerous; Speeding traffic; reckless driving; Visibility; Short ramps; Dangerous for pedestrians to cross ramps; Drivers run red lights; Confusing lane markings; Distracted drivers	94	STBG funding placed on unspecified project by RVTPO in March 2022.	Partially addressed	Study ongoing; aim to submit a preferred solution for SMART SCALE Round 5 funding.	Interchange Reconfiguration; Safety Improvements for Motorists- Pavement Markings		Study to be completed in Summer of 2022 with possible solution(s) and preferred solution identified for submission to SMART SCALE Round 5.	Add a signal at the off-ramp from I-581N to Rt. 460 with dual right turns; Realign the I-581SB ramp.	I-581/U.S. 460/U.S. 11 Improvements - SS Round 5 application from Roanoke City	NA
N_749_MV_S	Safety (auto)	U.S. 460 - Orange	Williamson Road		94	STBG funding placed on unspecified project by RVTPO in March 2022.	Partially addressed	Study ongoing	Intersection Reconfiguration; Access Management; ITS for Roadways		Study to be completed in Summer of 2022 with possible solution(s) identified.	Add a second left turn lane from Orange Ave. WB to Williamson Rd. NB. Add a turn lane on Williamson Rd. NB to Carver Ave. NE.	I-581/U.S. 460/U.S. 11 Improvements - SS Round 5 application from Roanoke City	NA
N_250_MV_S	Safety (auto)	Pollard Street	Downtown Vinton	Traffic speed too high; on street parking dangerous	92	Routes 35/36 Transit Service.	Gap	On-street parking exists where it can in Downtown Vinton. Traffic speeds being to high is a gap need to further investigate.	Traffic Calming; Safety Improvements for Motorists- Pavement Markings	Police Enforcement; Remove Selected On Street Parking	Vinton Area Corridors Plan	No preferred solution to address this need has been identified at this time.	None.	NA
N_226_MV_S	Safety (auto)	Washington Avenue	Pollard Street to Roanoke County limit	p18-BLOS-E/F;p56-traffic volume/congestion	91	Routes 35/36 Transit Service.	Gap	High traffic volumes, 4-lane road, topography, make safety a concern when turning onto left of	Lane Reconfiguration - Road Diet; Access Management; New Turn Lane		Vinton Area Corridors Plan; Town of Vinton Route 24 Bike/Ped Plan	No preferred solution to address this need has been identified at this time.	Study options to improve auto safety along Washington Avenue.	NA
N_256_2_MV_S	Safety (auto)	Bypass Road	Hardy Road to Washington Avenue	HighTraffic/slow flow; speed; signal timings; ped saf	91	Routes 35/36 Transit Service.	Partially addressed	Motorists turning left onto Bypass Road from River park Shopping Center is a concern.	Access Management; New Turn Lane; Intersection Reconfiguration (install new signal or innovative intersection)		Vinton Area Corridors Plan; Hardy Road/Bypass Road roundabout being pursued; Reconfigure intersection at shopping center entrance to limit left turns onto Bypass Road.	Restrict left turns onto Bypass Road at River Park Shopping Center and build a roundabout at Hardy Road/Bypass Road.	Roundabout at Hardy Rd (Rte. 24/634) and Bypass Rd (Rte. 24) - SS Round 5 application	NA
N_1751_MV_S	Safety (auto)	U.S. 460 - Orange	Hollins Road to Gus Nicks Boulevard	Short turn lane	90	Route 31 & 32 fixed-route transit	Gap	Funding being pursued in SMART SCALE Round 5 to address this need.	New Turn Lane; Intersection Reconfiguration (install new signal or innovative intersection)		Eliminate center left turn lane for 24th St	Modify intersections to minimize possible turning movements.	460/Orange Ave - 11th to 24th Improvements - SS Round 5 Application from Roanoke City	NA
N_912_MV_S	Safety (auto)	I-81	Exit 150		89		Still have safety needs at Exit 150 particularly at US220/11 - submitted a SS application for improvements at this intersection.	Projects didn't fully address the safety needs for motorists.	Intersection Reconfiguration			How is auto safety proposed to be improved as part of this project?	Botetourt SMART SCALE Round 5 ApplicationRoute 220 Access Management - Route 11 to Appalachian Trail	NA
N_1269_MV_S	Safety (auto)	Peters Creek Road	Airport Road		87	None as of May 2022	Gap	No investments planned.	Intersection Reconfiguration (install new signal or innovative intersection); Safety Improvements for Motorists - Pavement Markings		Corridor length, multiple intersections, current and future development requires a more comprehensive study to identify needs and develop comprehensive safety solutions.	None identified at this time.	Study - Peters Creek Road Multimodal Safety Study	NA
N_989_MV_S	Safety (auto)	U.S. 460 - E Main	U.S. 460 - E Main		72	Route 91 Fixed-Route Transit Service; Funded project on East Main Street west of Brand Avenue.	Gap	No funded projects address this need	Access Management; New Turn Lane			Add turn lanes from Brand Ave. to Kessler Mill Rd.; Access management with added curbs.	East Main Street Phase II (Previous UPC 106710)	NA

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N_380_MV_S	Safety (auto)	Peters Creek Road	Williamson Road		68	Williamson Road Pedestrian Improvements Peters Creek Road to Plantation Road, ROUTE 11 & 117 ROANOKE CO. - PEDESTRIAN SAFETY IMPROVEMENTS	Gap	No funded projects address this need. County notes crash data indicates the need for analysis to improve auto safety.	Access Management; Traffic Calming; New Sidewalk; Intersection Reconfiguration (install new signal or innovative intersection)	Examine the land uses in this corridor. This suburban strip development likely influences safety for motorists and other travelers. Explore new alternative intersection designs.	Hollins Center Plan	None identified at this time.	Study the auto safety need at this intersection. Include as part of proposed future Williamson Road Multimodal Safety Study from Botetourt to the City of Roanoke.	NA
N_52_MV_S	Safety (auto)	U.S. 11	Humbert Road to Railroad		66	UPC 75910 - I-81 Exit 150 Improvements Project	Partially Addressed	Some parts of the need are not covered by this project. Access into business off of Route 11 is still a motorist safety concern. Route 11/220 intersection due to crash rates is still a concern.	Access management; New Turn Lane; New Bicycle/Pedestrian Crossing; New Sidewalk; New Bicycle Lane; Streetscape Improvements			None identified at this time.	None.	NA
N_1180_MV_S	Safety (auto)	I-581	Peters Creek Rd		41	UPC 113570 - I-581 Exit 2 Interchange Study; Project UPC T26754, I-581 Exit 2 (Peters Creek Rd) Interchange Improvements, Phase 1	Partially Addressed	Project T26754, I-581 Exit 2 (Peters Creek Rd) Interchange Improvements, Phase 1, will reconfigure the I-581 NB ramp onto Peters Creek Road EB and will be used as match funding for a larger intersection improvement project	Safety Improvements for Motorists - Pavement Markings; Safety Improvements for Motorists - Signage; Interchange Reconfiguration		I-581 Exit 2 Interchange Study (STBG funded)	Close two I-581 off-ramps with substandard weave movements. Signalize remaining I-581 off ramps, 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-	Roanoke City SMART SCALE Round 5 application: I-581 at Exit 2 Interchange Improvements	NA
N_227_MV_S	Safety (auto)	Hardy Road	Bypass Road to Roanoke County		35		Partially addressed							NA
N_207_MV_S	Safety (auto)	U.S. 220 - Roanoke	I-81 to S Church Street (Fincastle)	Number of access creates conflict points and delays, 779 and Catawba aren't aligned	32	Some money has been allocated.	Gap	Botetourt is submitting a SMART SCALE Round 5 application for a Superstreet concept.	Access Management		RVTPSO Safety Study; Project Pipeline Study SA05: US 220/220 Alt. - Roanoke Road/Cloverdale Road from Route 11 (Lee Highway) to Commons Parkway	Convert some intersections to RCUTs along Route 220.	Route 220 Superstreet Improvement	NA
N_1625_MV_S	Safety (auto)	I-81	RVTPSO boundary to RVTPSO boundary	Speeding traffic, slow trucks	10	Meets need: I - 81 Auxilliary Lane from Exit 143 to 141, I-81 widening - MM 144 to Exit 150, I-81 NB widening - Exit 128 to Exit 137, I-81 widening - MM136 to MM141 Does not meet need: SMART WAY Express & Base Fixed-Route Transit Service	Partially addressed	Widening project will not address the speeding traffic thought it may allow faster moving vehicles to get around the slow trucks more easily.				Enforcement issue - refer to County Police.		NA
N_253_MV_S	Safety (auto)	Washington Avenue		Traffic congestion and speeding created by schools	10	OIPI Gap Study 2021 - Route 24 Bike/Ped Plan (covered Washington Ave. from Pollard to Bypass Rd.)	Gap	No funded projects address this need. Roanoke County noted significant crash data at several intersections.	Access Management; Intersection Reconfiguration (install new signal or innovative intersection); Safety Improvements for Motorists - Pavement Markings; Safety Improvements for Motorists - Signage	The Vinton Area Corridors Plan examines various land use recommendations.	The Vinton Area Corridors Plan presents various general recommendations but does not offer detailed transportation projects.	None identified at this time.	Study auto safety need as part of a Washington Avenue Corridor Study.	NA
N_1579_MV_S	Safety (auto)	U.S. 460 - Blue Rid*	Villamont	Turning traffic mixed with high traffic speeds	7		Gap	A common concern along the corridor. The turning lanes are short or non-existent.	Intersection Reconfiguration; New Turn Lane			Install turn lane at high-traffic cross streets.	None	NA
N_1728_MV_S	Safety (auto)	Route 311	Route 311	Hidden turn lanes, fast traffic speed	7	UPC 108904 - roundabout at Rt. 311/419.	Gap	Funded project does not address the need. Public input through the 200 Plan outreach and crash data indicates need for a study along this corridor	Access Management; Intersection Reconfiguration (install new signal or innovative intersection); Safety Improvements for Motorists - Pavement Markings; Safety Improvements for Motorists - Signage; New Turn Lane			None identified at this time.	Initiate Route 311/Catawba study to determine specific solution to address this need.	NA
N_1022_MV_S	Safety (auto)	Brambleton Ave	Route 221	Visibility	2		Gap	Public input through the 200 Plan outreach and crash data indicates need for a study along this corridor.	Access Management; Intersection Reconfiguration (install new signal or innovative intersection); Safety Improvements for Motorists - Pavement Markings; Safety Improvements for Motorists - Signage			None identified at this time.	Study the motor vehicle safety need at Brambleton Avenue from Autumn Park Dr. and Old Plantation Rd.	NA
N_1512_MV_S	Safety (auto)	Brambleton Ave	Route 221		2		Gap	Public input through the 200 Plan outreach and crash data indicates need for a study along this corridor	Access Management; Intersection Reconfiguration (install new signal or innovative intersection); Safety Improvements for Motorists - Pavement Markings; Safety Improvements for Motorists - Signage			None identified at this time.	Initiate a Route 221/Bent Mountain Road Multimodal Safety Study to determine specific projects to address the need.	NA

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N_861_MV_S	Safety (auto)	Brambleton Ave	Route 221		2		Gap	Public input through the 200 Plan outreach and crash data indicates need for a study along this corridor	Access Management; Intersection Reconfiguration (install new signal or innovative intersection); Safety Improvements for Motorists - Pavement Markings; Safety Improvements for Motorists - Signage			None identified at this time.	Initiate a Route 221/Bent Mountain Road Multimodal Safety Study to determine specific projects to address the need.	NA

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Need Type	Safety (bike)

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N_440_B_S	Safety (bike)	Downtown Salem	Downtown Salem		91	Meets need: #SMART22 - MAIN ST / MARKET ST INTERSECTION IMPROVEMENTS, Downtown Salem Streetscape Improvements Does not meet need: Route 91 & 92 Fixed-Route Transit Service, #SMART18 - DOWNTOWN SALEM INT. & STREETScape IMPROVEMENTS	Partially addressed	#SMART22 - MAIN ST / MARKET ST INTERSECTION IMPROVEMENTS, Downtown Salem Streetscape Improvements meet need for half of Main St. and not rest of downtown; Transit service provides an alternative to biking as bike racks are available on buses. Bike safety is improved for getting to Downtown Salem via East Main Street, the Elizabeth Greenway to Route 311. Additional bike accommodations are not the priority for downtown - vehicle movements and pedestrian accommodations. Unsure if bicyclists are allowed to ride on sidewalks.	New Bike Lane; New Shared-Use Path/ADA Accessible Greenway Trail; Bicycle/Pedestrian Crossing Improvement; New Bicycle/Pedestrian Crossing; Streetscape Improvements (lights, benches, landscaping, bike parking, etc...)	Alternative/new mode infrastructure (drone docking, e-bike or scooter docking, etc...); Consider statutory limitations on bike movements on sidewalks. Low-traffic streets designated through signage or pavement markings as preferred bike corridors.	Bicycle Plan	Designate a parallel corridor such as Clay and/or Calhoun St. as bike corridors potentially using signage or pavement markings. On Main St. bicyclists may ride in the travel lane or walk their bike on the sidewalk.	Salem to study designation of Salem streets as preferred bike corridors.	NA
N_749_B_S	Safety (bike)	U.S. 460 - Orange	Williamson Road		90	Route 21 & 22 fixed-route transit and PEDESTRIAN SIGNAL UPGRADES - CITY OF ROANOKE	Gap	Need not addressed by investments.	Bicycle/Pedestrian Crossing Improvement; New Bicycle/Pedestrian Crossing; Streetscape Improvements (lights, benches, landscaping, bike parking, etc...)		Several studies taking place on Route 460 and Williamson Road including STARS, Project Pipeline.	No preferred solution to address this need has been identified at this time.	Review studies upon completion for bike safety recommendations. Conduct additional study, if needed.	NA
N_590_B_S	Safety (bike)	Jefferson Street	Walnut Avenue to Reserve Avenue		90	SMART WAY Express & Base fixed-route transit, Trolley fixed-route transit service, Route 51 & 52 fixed-route transit PEDESTRIAN SIGNAL UPGRADES - CITY OF ROANOKE	Partially Addressed	Bicyclists not comfortable riding in the travel lanes may utilize the bike racks on the buses to travel through this area.	New Bike Lane; Bicycle/Pedestrian Crossing Improvement; New Bicycle/Pedestrian Crossing; Streetscape Improvements (lights, benches, landscaping, bike parking, etc...); Lane Reconfiguration - Road Diet			Lane Reconfiguration - Road Diet	None.	NA
N_219_B_S	Safety (bike)	Gus Nicks Boulevard	Pollard Street to Gearhart Park		88	Gus Nicks Blvd. Pedestrian/Bicycle Crossing, Construction of Glade Creek Greenway Phase 2A; PE for Phase 3	Partially Addressed	Less experienced bicyclists may feel unsafe biking on Gus Nicks Blvd. trying to travel between Pollard St. and Gearhart Park	New Bike Lane; New Shared-Use Path/ADA Accessible Greenway Trail; New Bridge (Bicycle/Pedestrian); Bicycle/Pedestrian Crossing Improvement; New Bicycle/Pedestrian Crossing		Route 24 Bike/Pedestrian Plan	Clarify - what is being done as part of Glade Creek Greenway Phase 2B and how that will address the bike safety	Glade Creek Greenway Phase 2B. Construction in 2023.	NA
N_1250_B_S	Safety (bike)	Route 419	Brambleton Ave		87	FY 21 PEDESTRIAN CROSSING IMPROVEMENTS	Gap	No funded projects address this need.	New Bike Lane; New Bicycle/Pedestrian Crossing		Most bicycle users are not looking to travel the length of 419, but rather are trying to access destinations on 419. Study opportunities to improve	None identified at this time.	Conduct additional study/analysis in RVTPO Bikeway Plan update.	NA

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Priority Status	Yes
Need Type	Safety (ped)

Need ID	Need Type	Simple Location	Detailed Location	Need	Score	Investment	Need Status	Rationale	Possible Common Transportation Solutions	Possible Unique or Non-Transportation Solutions	Relevant Recent or Ongoing Studies and/or Recommendations	Preferred Solutions or options	Project / Service/Study, Lead Agency	Associated Unfunded Projects
N_440_P_S	Safety (ped)	Downtown Salem	Downtown Salem		91	Meets need: #SMART22 - MAIN ST / MARKET ST INTERSECTION IMPROVEMENTS, Downtown Salem Streetscape Improvements Does not meet need: Route 91 & 92 Fixed-Route Transit Service, #SMART18 - DOWNTOWN SALEM INT. & STREETScape IMPROVEMENTS	Partially addressed	#SMART22 - MAIN ST / MARKET ST INTERSECTION IMPROVEMENTS, Downtown Salem Streetscape Improvements meet need for half of Main St. and not rest of downtown; Transit service provides an alternative to walking to and through downtown.	Bicycle/Pedestrian Crossing Improvement; New Bicycle/Pedestrian Crossing; Streetscape Improvements (lights, benches, landscaping, bike parking, etc...)		Pedestrian Vision Plan	No preferred solution to address this need has been identified at this time.	None.	NA
N_749_P_S	Safety (ped)	U.S. 460 - Orange	Williamson Road		90	PEDESTRIAN SIGNAL UPGRADES - CITY OF ROANOKE	Partially addressed	Intersection has sidewalks, crosswalks, pedestrian signals, and islands. Long crossing distances make it less comfortable for people to walk.	Bicycle/Pedestrian Crossing Improvement	Consider a grade-separated bicycle and pedestrian facility.		Refuge islands and sidewalks exist. Add high visibility crosswalks, upgraded ped signals, and pedestrian phasing.	I-581/U.S. 460/U.S. 11 Improvements - SS Round 5 application	NA
N_59_1_P_S	Safety (ped)	Route 419	Brambleton Avenue to Apperson Drive	p32-Want sidewalks addressed and improved	89	Meets need: FY 21 PEDESTRIAN CROSSING IMPROVEMENTS Does not meet need: #SMART18 - ROUTE 419 & RTE 221 ADAPTIVE TRAFFIC CONTROL & #PIPELINE22 - RTE. 419 study	Partially addressed	FY 21 PEDESTRIAN CROSSING IMPROVEMENTS covers about half the corridor, also focused on crossings and not sidewalks. Currently actively taking steps to address this need in the County. Status in Salem? Sidewalk exists on CVS side of 419 - Salem doesn't want folks walking on the other side of 419. There are pedestrian crossings where ped movements are desired.	New Sidewalk; Bicycle/Pedestrian Crossing Improvement; New Bicycle/Pedestrian Crossing; Streetscape Improvements (lights, benches, landscaping, bike parking, etc...)		Oak Grove Center Plan; Pedestrian Vision Plan, Route 419 Corridor Study, 419 Town Center Plan, 2018 Greenway Plan	New Sidewalk; Bicycle/Pedestrian Crossing Improvement	1) Route 419/Electric Road Pedestrian Signal Improvements - SS Round 5 Application; 2) Electric Road Safety Improvements - Grandin Road Ext. to Keagy Rd. - SS Round 5 Application; 3) Electric Rd. Safety Improvements, Stoneybrook Dr. - Grandin Rd. Ext. - SS Round 5 Application	NA
N_125_P_S	Safety (ped)	Jefferson Street	McClanahan Street SW to Campbell Avenue	Pedestrian safety with permanent green right turn	88	Transit projects (SMART WAY Base fixed-route transit, Trolley fixed-route, Route 51 & 52 fixed-route)	Partially addressed	Pedestrians concerned about turning vehicles due to continuous green right turns.	New Sidewalk; Bicycle/Pedestrian Crossing Improvement; Streetscape Improvements (lights, benches, landscaping, bike parking, etc...)		Pedestrian Vision Plan	None identified at this time.	Study how to improve pedestrian safety when crossing side streets along Jefferson Avenue when continuous green allows vehicles to turn right potentially conflicting with pedestrians.	NA
N_119_P_S	Safety (ped)	Grandin Road SW	Ashley Lane SW to Hackney Lane		88	Oak Grove Pedestrian Crossing	Partially addressed	Investment addresses the intersection crossing but not pedestrian safety along the rest of the corridor.	New Sidewalk; Bicycle/Pedestrian Crossing Improvement; New Bicycle/Pedestrian Crossing; Streetscape Improvements (lights, benches, landscaping, bike parking, etc...)		Pedestrian Vision Plan; Oak Grove Center Plan	None identified at this time.	None.	NA
N_124_P_S	Safety (ped)	Williamson Road	Elm Avenue to Orange Avenue		87	Pedestrian Signal Upgrades on Williamson Rd.; Existing sidewalks and crosswalks.	Gap	Unsure of locations for ped signal upgrades. Unsure of the reasons for noted pedestrian safety concerns.	Bicycle/Pedestrian Crossing Improvement		Pedestrian Vision Plan; Pedestrian Signal Upgrades on Williamson Rd	Upgrade pedestrian signal at Williamson / Kimball / Wells intersection. Williamson Rd SS Round 5 includes ped signal upgrades at all intersections from Wells Ave to Orange Ave.	Williamson Road Corridor - Safety Improvements - SMART SCALE Round 5 application from Roanoke City	NA
N_864_P_S	Safety (ped)	Williamson Road	Williamson Rd		85	Transit projects (Routes 21/22 fixed-routes); Pedestrian Signal Upgrades	Partially addressed	Sidewalks exist along majority of both sides of Williamson Road. Signalized pedestrian crossings at multiple intersections exist.	New Sidewalk; Bicycle/Pedestrian Crossing Improvement; New Bicycle/Pedestrian Crossing		Williamson Road Study from Orange Avenue to Hershberger Road (2022 Project Pipeline study)	Sidewalk and crosswalk improvements.	Williamson Road Corridor - Safety Improvements SMART SCALE Round 5 application from Roanoke City	NA

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N_61_P_S	Safety (ped)	Fleming Avenue	Williamson Road		85	Transit projects (Routes 21/22 fixed-routes); Pedestrian Signal Upgrades	Partially addressed	Pedestrian may feel unsafe crossing Williamson Road at Fleming Avenue because it is a five lane section of roadway here. There is nothing to stop traffic at this location, nor a clear place where pedestrians should cross. However, there is a crosswalk/pedestrian signal at Broad Street, one block north. Pedestrians should cross one block north rather than at Fleming Avenue.	Bicycle/Pedestrian Crossing Improvement		Pedestrian Vision Plan		Williamson Road Corridor - Safety Improvements - SMART SCALE Round 5 application from Roanoke City	NA
N_228_P_S	Safety (ped)	Virginia Avenue	City Limit to Pollard Street		83	None as of May 2022.	Gap	Sidewalks exist through the corridor, but ADA ramps are lacking making it impassable for people with disabilities. Pedestrians may feel unsafe crossing Virginia Avenue.	Bicycle/Pedestrian Crossing Improvement; New Bicycle/Pedestrian Crossing			Install ADA compliant ramps.	Vinton is installing ADA ramps.	NA
N_88_P_S	Safety (ped)	Bypass Road	Hardy Road to Washington Avenue		82	Routes 35/36 Transit Service.	Partially addressed	No pedestrian safety improvements funded at this time.	New Sidewalk; New Shared-Use Path/ADA Accessible Greenway Trail		Route 24 Bike/Pedestrian Plan			NA
N_141_P_S	Safety (ped)	Williamson Road	Orange Avenue to Airport Road NW	Many pedestrians	82		Partially addressed							NA
N_435_P_S	Safety (ped)	Oak Grove Elementary School	Oak Grove Elementary School		81	Project UPC 117212 Pedestrian Crossing Improvements on 419	Partially addressed	Funded project partially addresses the need to improve pedestrian safety to the school.	New Sidewalk; New Bicycle/Pedestrian Crossing; Streetscape Improvements (lights, benches, landscaping, bike parking, etc...)		2018 Greenway Plan; Project UPC 117212 Pedestrian Crossing Improvements on 419	Sidewalk along Rt. 419 next to Oak Grove Elementary School.	Roanoke County SMART SCALE Round 5 application: Route 419/Electric Road Safety Improvements	NA
N_165_P_S	Safety (ped)	U.S. 460 - Melrose	and Main Street from Salem Turnpike to Thompson Memorial Drive		80		Partially addressed							NA
N_229_P_S	Safety (ped)	Virginia Avenue	Pollard Street to Niagara Road	p23-Worn pedestrian path	79	None as of May 2022.	Gap	No funded project addresses this need.	New Sidewalk; New Bicycle/Pedestrian Crossing; Streetscape Improvements (lights, benches, landscaping, bike parking, etc...)		Vinton Area Corridors Plan; Route 24 Bike/Pedestrian Plan	Construct sidewalks to replace dirt paths.	None.	NA
N_422_P_S	Safety (ped)	Hershberger Road	Food Lion/Walmart		76	Route 25 & 26 Fixed-Route Transit Service, Pedestrian Crossing Improvements on 419 and at Plantation/Hershberger Intersections	Partially Addressed	Pedestrian Crossing Improvements on 419 and at Plantation/Hershberger Intersections	New Sidewalk; New Bicycle/Pedestrian Crossing; Streetscape Improvements (lights, benches, landscaping, bike parking, etc...)	Consider replacing the bridge at the end of John Richardson Rd as a bike/ped only bridge to provide an alternate pedestrian route to Hershberger Road and improve pedestrian safety from Oakland Blvd. to Plantation Road.	2018 Greenway Plan; VDOT identified project - Pedestrian Crossing Improvements on 419 and at Plantation/Hershberger Intersections; Consider constructing sidewalk to connect proposed pedestrian signals at Plantation/Hershberger with the Food Lion and Walmart shopping centers and bus stops.	Sidewalk at Plantation/Hollins Road to connect transit stops and stores on both sides of Plantation Road.	Check w/VDOT about a possible pedestrian crossing project. Study multimodal needs along Plantation Road between Hershberger Road and Hollins Road.	NA
N_118_P_S	Safety (ped)	Starkey Road	Ogden Road to shopping center south of Electric Road		36		Gap	No funded projects address this need.	New Sidewalk; New Bicycle/Pedestrian Crossing; Streetscape Improvements (lights, benches, landscaping, bike parking, etc...)		Pedestrian Vision Plan; 419 Town Center Plan	Construct sidewalk to improve pedestrian safety.	None.	NA
N_59_3_P_S	Safety (ped)	Route 419	Starkey Road to Brambleton Avenue	p32-Want sidewalks addressed and improved	33		Partially addressed	No funded projects address this need.	New Sidewalk; New Bicycle/Pedestrian Crossing; Streetscape Improvements (lights, benches, landscaping, bike parking, etc...)		Pedestrian Vision Plan; Route 419 Corridor Study; 419 Town Center Plan; 2018 Greenway Plan	None at this time	Study possible multimodal accommodations	NA
N_83_P_S	Safety (ped)	Williamson Road	Airport Road to Peters Creek Road		33	Project UPC 107055, Williamson Road/Peters Creek Road Pedestrian Improvements and UPC 113947, Williamson Road Pedestrian Improvements	Partially Addressed	Investments partially address the need with funded pedestrian improvements between Peters Creek Road and Plymouth Drive.	New Sidewalk; New Bicycle/Pedestrian Crossing; Streetscape Improvements (lights, benches, landscaping, bike parking, etc...)		Initiate a Williamson Road Multimodal Safety Study from Botetourt to the City of Roanoke; Project UPC 107055, Williamson Road/Peters Creek Road Pedestrian Improvements and UPC 113947, Williamson Road Pedestrian Improvements	None at this time	Initiate Williamson Rd Multimodal Safety Study	NA
N_21_P_S	Safety (ped)	Exit 150	Area around the AT and Exit 150	p1-9 for AT users to access businesses	33	None as of May 2022.	Gap	A couple people killed walking on US 220. Hikers trying to get across US 220.	New Sidewalk; New Bicycle/Pedestrian Crossing; Streetscape Improvements (lights, benches, landscaping, bike parking, etc...)		Exit 150 Market Study; Project Pipeline Study SA05: US 220/220 Alt. - Roanoke Road/Cloverdale Road from Route 11 (Lee Highway) to Commons Parkway	Construct multi-use path along both sides of Route 220, plus crosswalk.	Botetourt County SMART SCALE Round 5 application: Route 220 Access Management/Park & Ride - AT to Commons Parkway	NA

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N_99_P_S	Safety (ped)	Garst Mill Road	Brambleton Avenue to Grandin Road SW		31	None as of May 2022.	Gap	No funded projects address this need.	New Sidewalk; New Bicycle/Pedestrian Crossing; Streetscape Improvements (lights, benches, landscaping, bike parking, etc...)		Initiate a Gars Mill Road Study to identify projects to address needs.	None at this time	Initial Garst Mill Rd study to improve pedestrian safety.	NA
N_189_P_S	Safety (ped)	U.S. 220 - Roanoke	U.S. 11 to Catawba Road	AT users access to hotels/restaurants, Hikers, high school students, apartment dwellers	30	None as of May 2022.	Gap	No funded projects address this need.	New Sidewalk; New Bicycle/Pedestrian Crossing; Streetscape Improvements (lights, benches, landscaping, bike parking, etc...); New Shared-Use Path/ADA Accessible Greenway Trail		Pedestrian Vision Plan; Exit 150 Market Study; Gateway Crossing Area Plan; Project Pipeline Study SA05: US 220/220 Alt. - Roanoke Road/Cloverdale Road from Route 11 (Lee Highway) to Commons Parkway	Shared-use path on both sides of 220 from AT to Commons Parkway. Crossings at Tinker Mountain Rd/I-81SB Off-Ramp and Commons Pkwy./Wesley Rd.	Route 220 Access Management/Park & Ride - AT to Commons Pkwy.	NA
N_69_2_P_S	Safety (ped)	Brambleton Avenue	Fishburn Park to Garst Mill Road	Student access to schools, Bike/ped connection between Roanoke City and Cave Spring, Speeding traffic, visibility	30	None as of May 2022.	Gap	No funded projects address the need.	New Sidewalk; New Bicycle/Pedestrian Crossing; Streetscape Improvements (lights, benches, landscaping, bike parking, etc...)		Initiate a Route 221/Brambleton Avenue Multimodal Safety Study; Pedestrian Vision Plan; 2018 Greenway Plan	None identified at this time.	Study pedestrian safety need in this corridor.	NA
N_194_P_S	Safety (ped)	Penn Forest Blvd	Chaparral Drive to Starkey Road		26		Gap	No funded projects address this need.	New Sidewalk; New Bicycle/Pedestrian Crossing; Streetscape Improvements (lights, benches, landscaping, bike parking, etc...)		419 Town Center Plan	None identified at this time.	Additional study of 419 segments needed to determine recommendations	NA
N_1431_P_S	Safety (ped)	U.S. 460 - E Main	U.S. 460 - E Main		25	East Main Street Phase I project.	Partially addressed	Phase I project addresses part of this need via a multiuse trail.	New Sidewalk; New Bicycle/Pedestrian Crossing; Streetscape Improvements (lights, benches, landscaping, bike parking, etc...); New Shared-Use Path/ADA Accessible Greenway Trail		East Main Street Phase II to continue sidewalk/shared-use path to Kessler Mill Road.	Continued sidewalk and shared-use path from Brand Ave. to Kessler Mill Rd.	East Main Street Phase II from Brand Ave. to Kessler Mill Rd.	NA
N_47_P_S	Safety (ped)	Williamson Road	Hollins University to Barrens Road		25	Project UPC 111317, Williamson Road Pedestrian Improvements, Peters Creek to Plantation	Partially Addressed	This need is partially address by project UPC 111317, Williamson Road Pedestrian Improvements, Peters Creek to Plantation will install sidewalk on the north side of Williamson Road.	New Sidewalk; New Bicycle/Pedestrian Crossing; Streetscape Improvements (lights, benches, landscaping, bike parking, etc...)		Project UPC 111317, Williamson Road Pedestrian Improvements, Peters Creek to Plantation; Initiate a Williamson Road Multimodal Safety Study; Hollins Center Plan	None identified at this time.	Initiate Williamson Rd Multimodal Safety Study	NA
N_538_P_S	Safety (ped)	Hollins University	Hollins University	Access between Fallon Park, East Gate Park, Old Monterey Golf Club, Hollins Uni, Carvins Cove	24		Gap	No funded projects address this need.	New Sidewalk; New Bicycle/Pedestrian Crossing; Streetscape Improvements (lights, benches, landscaping, bike parking, etc...)		2015 Pedestrian Plan; 2018 Greenway Plan; Implement the Hollins Area Plan and the Hollins Center Plan. Initiate a Williamson Road Multimodal Safety Study	None identified at this time.	Initiate Williamson Rd Multimodal Safety Study	NA
N_69_1_P_S	Safety (ped)	Brambleton Avenue	Brandon Avenue to Fishburn Park	Student access to schools, Bike/ped connection between Roanoke City and Cave Spring, Speeding traffic, visibility	23		Gap	No funded projects address this need.	New Sidewalk; New Bicycle/Pedestrian Crossing; Streetscape Improvements (lights, benches, landscaping, bike parking, etc...)		2015 Pedestrian Plan; 2018 Greenway Plan	None identified at this time.	Initiate a Route 221/Brambleton Avenue Multimodal Safety Study	NA
N_79_P_S	Safety (ped)	Plantation Road	I-81 to Williamson Road and on Williamson from Plantation to Hollins University		23	UPC 111366 - Plantation Rd. Bike/Ped/Streetscape Phase II from Walrond Drive to Gander Way. Shared-use path on Plantation Road from Walrond Drive to Williamson Road recently completed.	Partially Addressed	Funded projects add pedestrian accommodations to Plantation Road between Williamson Road and Gander Way. Additional work is needed on Plantation Road and on Williamson Road.	New Sidewalk; New Bicycle/Pedestrian Crossing; Streetscape Improvements (lights, benches, landscaping, bike parking, etc...)		2015 Pedestrian Plan; Multiple projects have been constructed over the past five years to add pedestrian accommodations to Plantation Road between Williamson Road and Gander Way; implement the Hollins Area Plan, Hollins Center Plan and initiate a Williamson Road Multimodal Safety Study	Construct Sidewalks along unaddressed portions of need		NA
N_453_P_S	Safety (ped)	Wood Haven Industrial Park	Wood Haven Industrial Park		21		Gap	No funded projects address this need.	New Sidewalk; New Bicycle/Pedestrian Crossing; Streetscape Improvements (lights, benches, landscaping, bike parking, etc...)		2018 Greenway Plan	Extend Lick Run Greenway to Wood Haven Technology Park	None.	NA
N_395_P_S	Safety (ped)	Cave Spring Elementary/Middle School	Cave Spring Elementary/Middle School		21	Police assistance during events to help pedestrians cross Brambleton Avenue to Cave Spring MS.	Gap	People park at the church and cross Brambleton Ave. for events. Currently, police are used to guide pedestrians, but would like to explore other ways to address pedestrian safety.	New Sidewalk; New Bicycle/Pedestrian Crossing; Streetscape Improvements (lights, benches, landscaping, bike parking, etc...)		2015 Pedestrian Plan; 2018 Greenway Plan	None identified at this time.	Route 221/Bent Mountain multimodal safety study	NA
N_413_P_S	Safety (ped)	DMV	DMV		21		Gap	No funded projects address this need.	New Sidewalk; New Bicycle/Pedestrian Crossing; Streetscape Improvements (lights, benches, landscaping, bike parking, etc...)		2018 Greenway Plan	None identified at this time.	None.	NA

Need ID	Need Type	Simple Location	Detailed Location	Need	Score	Investment	Need Status	Rationale	Possible Common Transportation Solutions	Possible Unique or Non-Transportation Solutions	Relevant Recent or Ongoing Studies and/or Recommendations	Preferred Solutions or options	Project / Service/Study, Lead Agency	Associated Unfunded Projects
N_434_P_S	Safety (ped)	Northside High School	Northside High School		21		Gap	No funded projects address this need. Roanoke County feels schools should be connected with multimodal infrastructure to other community facilities.	New Sidewalk; New Bicycle/Pedestrian Crossing; Streetscape Improvements (lights, benches, landscaping, bike parking, etc...)		2015 Pedestrian Plan; Initiate a Peters Creek Road Multimodal Safety Study	None identified at this time.	Initiate Peters Creek Multimodal Safety Study	NA
N_180_P_S	Safety (ped)	U.S. 460 - W Main	Alleghany Drive to Green Hill Park		20	Sidewalk is in place between Alleghany Drive and the City of Salem	Partially addressed	Need is addressed in Roanoke County.	New Sidewalk		2015 Pedestrian Plan; Recommendation to extend sidewalk in City of Salem to City line	Construct sidewalk on Diuguids Ln to connect Green Hill Park/Roanoke River Greenway to Route 460.	None.	NA
N_532_P_S	Safety (ped)	Water Plant	South end of the bridge of the Roanoke River Greenway at the Water Pollution Control Plant	Access from here to Bennington St greenway parking area and to Explore Park	20		Partially addressed							NA
N_55_P_S	Safety (ped)	U.S. 460 - W Main	Salem to Montgomery Co. lines	p7-1 Issue1-Traffic/congestion and appearance; Issue3-Safe options for alt modes of transp.	19	Sidewalk is in place along West Main Street from the City of Salem to Technology Drive.	Partially addressed	Funded project partially addresses the need to improve pedestrian safety.	New Sidewalk; New Bicycle/Pedestrian Crossing		2015 Pedestrian Plan; Glenvar Community Plan; Recommendation to extend pedestrian accommodations (sidewalk)	Construct sidewalk on south side of West Main Street between City of Salem and Daugherty Road and north side between Daugherty Road and Technology Drive. Construct sidewalk for remaining unaddressed portion of need.	Roanoke County SMART SCALE Round 5 application: West Main Street Pedestrian Improvements, Phase 3	NA
N_449_P_S	Safety (ped)	Walrond Park	Walrond Park		18		Partially addressed	No funded projects address this need.	New Sidewalk; New Bicycle/Pedestrian Crossing; Streetscape Improvements (lights, benches, landscaping, bike parking, etc...)		2018 Greenway Plan	Construct a sidewalk, ADA ramps, and crosswalks on Walrond Drive from Plantation Road to Walrond Park.	Roanoke County SMART SCALE Round 5 application: Walrond Drive Pedestrian Improvements	NA
N_423_P_S	Safety (ped)	Hidden Valley High School	Hidden Valley High School		18		Gap	No funded projects address this need.	New Sidewalk; New Bicycle/Pedestrian Crossing; Streetscape Improvements (lights, benches, landscaping, bike parking, etc...)		2015 Pedestrian Plan; 2018 Greenway Plan; Initiate a Route 221/Bent Mountain Road Multimodal Safety Study	None identified at this time.	Route 221/Bent Mountain multimodal safety study to include analysis of pedestrian safety needs related to students/staff walking to Hidden Valley HS.	NA
N_246_P_S	Safety (ped)	William Byrd Schools	William Byrd Schools		15		Gap	Roanoke County feels it is a priority that schools should be connected with multimodal infrastructure to other community facilities.	New Sidewalk; New Bicycle/Pedestrian Crossing; Streetscape Improvements (lights, benches, landscaping, bike parking, etc...)		2015 Pedestrian Plan; 2018 Greenway Plan	None identified at this time.	Study options to improve pedestrian safety for students/staff walking to William Byrd Schools as part of Washington Avenue Corridor Study.	NA
N_424_P_S	Safety (ped)	Hollins Park	Hollins Park		15		Gap	Roanoke County feels it is a priority that parks should be connected with multimodal infrastructure to other community facilities.	New Sidewalk; New Bicycle/Pedestrian Crossing; Streetscape Improvements (lights, benches, landscaping, bike parking, etc...); New Shared-Use Path/ADA Accessible Greenway Trail		2018 Greenway Plan - proposed Tinker Creek Greenway about 1/4 mile away from park.	None identified at this time.	None.	NA
N_406_P_S	Safety (ped)	Glenvar Public Schools	Glenvar Public Schools		14		Gap	Roanoke County feels it is a priority that schools should be connected with multimodal infrastructure to other community facilities.	New Sidewalk; New Bicycle/Pedestrian Crossing; Streetscape Improvements (lights, benches, landscaping, bike parking, etc...)		2018 Greenway Plan; Glenvar Community Plan	When Daugherty Rd. bridge over I-81 is replaced, include pedestrian accommodations.	None.	NA
N_92_P_S	Safety (ped)	U.S. 460 - Challenger	east of W Ruritan Road to west of Carson Road		12	Route 460 Land Use and Connectivity Study taking place in 2022.	Gap	No funded projects address this need. Study is ongoing in 2022.	New Sidewalk; New Bicycle/Pedestrian Crossing; Streetscape Improvements (lights, benches, landscaping, bike parking, etc...)		Pedestrian Vision Plan; Implement the Route 460 Land Use and Connectivity Study	None identified at this time.	None.	NA
N_539_P_S	Safety (ped)	Plantation Road	Tinker Creek Greenway at Plantation Road	Access between Fallon Park, East Gate Park, Old Monterey Golf Club, Hollins Uni, Carvins Cove	10		Gap	No funded projects address this need.	New Sidewalk; New Shared-Use Path/ADA Accessible Greenway Trail; New Bicycle/Pedestrian Crossing; Streetscape Improvements (lights, benches, landscaping, bike parking, etc...)		2015 Pedestrian Plan; Hollins Area Plan; Hollins Center Plan; 2018 Greenway Plan	None identified at this time.	Multimodal Corridor Study of Plantation Rd	NA
N_543_P_S	Safety (ped)	Green Hill Park	Green Hill Park	Access to New River Valley	10	VDOT funded study: Valley to Valley Trail taking place in 2022. National Parks Service Recreational Trails and Conservation Assistance (RTCA) Program studying a trail between Roanoke County and the New River Valley.	Gap	Funded projects do not address the need.	New Sidewalk; Streetscape Improvements (lights, benches, landscaping, bike parking, etc...); New Shared-Use Path/ADA Accessible Greenway Trail		2018 Greenway Plan; the RTCA Study; the Valley to Valley Trail Plan.	None identified at this time.	None.	NA

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N_889_P_S	Safety (ped)	Exit 140	Exit 140	Greenway access to the Park & Ride	10	Sidewalks exist in front of the P&R and south along Route 311 to Downtown Salem.	Gap	Additional multimodal access would be beneficial.	New Sidewalk; New Bicycle/Pedestrian Crossing; Streetscape Improvements (lights, benches, landscaping, bike parking, etc...); New Shared-Use Path/ADA Accessible Greenway Trail		2015 Pedestrian Plan; 2018 Greenway Plan	None identified at this time.	None.	NA
N_437_P_S	Safety (ped)	Read Mountain Preserve	Read Mountain Preserve		3		Gap	Roanoke County feels parks should be connected with multimodal infrastructure.	New Sidewalk; New Bicycle/Pedestrian Crossing; Streetscape Improvements (lights, benches, landscaping, bike parking, etc...)		2015 Pedestrian Plan; 2018 Greenway Plan	None identified at this time.	None.	NA

Priority Regional Transportation Needs Roanoke Valley Transportation Planning Organization



Introduction	This spreadsheet lists the regional priority transportation needs identified in the Roanoke Valley Transportation Plan along with available information for understanding the nature of the need. Additional information will be added as the needs are further studied, matched with possible solutions, and in some cases, advance to the stage of projects. See the NEST tool to map the projects: https://experience.arcgis.com/experience/ba6a7632c966493e8bc60459676fd1af
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Priority Status	Yes
Need Type	System Management (operations, assets)

Need ID	Need Type	Simple Location	Detailed Location	Need	Score	Investment	Need Status	Rationale	Possible Common Transportation Solutions	Possible Unique or Non-Transportation Solutions	Relevant Recent or Ongoing Studies and/or Recommendations	Preferred Solutions or options	Project / Service/Study, Lead Agency	Associated Unfunded Projects
N_249_N_SM	System Management (operations, assets)	Lee Avenue	Pollard Street	p54-delays, signal coord/timing, speed, trucks; Poor downtown traffic flow esp in pm	80	Vinton will be replacing all of the traffic signal equipment in the town within the next three years (through 2025).	Gap	Unclear if traffic signal equipment upgrades will improve signal timing at this intersection for PM traffic.	Signal Coordination/Re-timing; Lane Reconfiguration	Restrict thru-traffic on Lee Ave.; Close some lanes.		None identified at this time.	None.	NA
N_1659_N_SM	System Management (operations, assets)	U.S. 460			66		Partially Addressed	In Salem, on West Main Street, many driveways create access management issues, turning at many points. In Roanoke, additional operational improvement can be made at various locations along Route 460 including from I-581 to Gus Nicks Blvd.	Access management; New Turn Lane; Signal Coordination/Re-timing; ITS for Roadways		Route 11/460 Corridor Study; U.S. 460 Operational Improvements STARS Study 2021; and the Route 460 Arterial Preservation Program Study	Alternative intersections to limit turning movements between 11th and 24th St. Extend Rt. 460 WB left turn lane to Plantation to the RR overpass. Signalize the I-581NB off ramp at Rt. 460, add another 460EB to Williamson Rd. NB left turn lane. Widen Texas Street in Salem from two to five lanes with sidewalks and bike lanes from Roanoke Boulevard to Electric Road.	Multiple SMART SCALE Round 5 applications: U.S. 460 - 11th to 24th St. Improvements; U.S. 460 - Plantation Rd. Improvements; I-581/Rt. 460/Rt. 11 Improvements; Texas Street Widening from Roanoke Boulevard to Electric Road	NA
N_1063_N_SM	System Management (operations, assets)	4th Street	Colorado Street		63	None as of May 2022	Gap	No funded projects address this need. This location is used as a truck route and alternate route for I-81 motorists when the interstate is shut down and getting vehicles through this intersection can be difficult.	Signal Coordination/Re-timing; ITS for Roadways; New Through Travel Lane		Consider 4-lane section from Broad Street to Roanoke Boulevard.	None identified at this time.	Study options to improve vehicle throughput on 4th St. from Broad Street to Roanoke Blvd.	NA
N_331_N_SM	System Management (operations, assets)	Route 419	Grandin Road Ext		62	Signals on 419 are coordinated; PIPELINE22 - RTE. 419 study	Gap	Funded study is looking into this need.	New Sidewalk; Intersection Reconfiguration (install new signal or innovative intersection)			RCUT alternative intersection at 419/Grandin Rd. Ext.	Roanoke County SMART SCALE Round 5 application - Rt. 419 Safety Improvements	NA
N_330_N_SM	System Management (operations, assets)	Route 419	Keagy Road (south)		53	PIPELINE22 - RTE. 419 study	Gap	PIPELINE22 - RTE. 419 study study is recommending safety improvements that will also reduce congestion	New Sidewalk; Intersection Reconfiguration (install new signal or innovative intersection)		PIPELINE22 - RTE. 419 study - see recommendations for improved system management operations.	Construct sidewalks and crosswalks at the intersection.	Roanoke County SMART SCALE Round 5 application: Rt. 419 Safety Improvements	NA
N_264_N_SM	System Management (operations, assets)	I-81	Exit 150	Confusing lane markings, Extend on ramps and off ramps at I581 and exit 150. Improve signage for exit 150 and I581 so drivers are better prepared for turn off or merging traffic. Improve police presence in these areas to reduce speeding and other dangers.	50	I-81 widening from 2-3 lanes in each direction from MM 144 to Exit 150.	Gap	Uncertain if funded project will address signage or other means of helping drivers be better prepared for turn off or merging traffic.	Safety Improvements for Motorists - Pavement Markings; Safety Improvements for Motorists - Signage; Interchange Reconfiguration		US 220/220 Alt - Roanoke Road/Cloverdale Road from Route 11 to Commons Parkway Project Pipeline Study	Interchange Reconfiguration to remove and realign ramps.	Botetourt County SMART SCALE Round 5 application: Route 220 Access Management - Route 11 to Appalachian Trail	NA
N_1626_N_SM	System Management (operations, assets)	I-81	RVTPO boundary to RVTPO boundary	Short ramps, Left merge on/off I-81; Future LOS forecasted to deteriorate, Speeding traffic; Left merge on/off I-81	41	Meets need: I - 81 Auxilliary Lane from Exit 143 to 141 Does not meet need: I-81 widening - MM 144 to Exit 150, I-81 widening - MM136 to MM141, I-81 NB widening - Exit 128 to Exit 137, SMART WAY Express & Base Fixed-Route Transit Service	Partially addressed	Funded projects do not address the challenge of the left exit from I-81SB to I-581 and entering I-81SB on the left side from I-581.				None identified at this time.	Study the I-581/I-81 interchange to identify how vehicle movements can be improved.	NA

Need ID	Need Type	Simple Location	Detailed Location	Need	Score	Investment	Need Status	Rationale	Possible Common Transportation Solutions	Possible Unique or Non-Transportation Solutions	Relevant Recent or Ongoing Studies and/or Recommendations	Preferred Solutions or options	Project / Service/Study, Lead Agency	Associated Unfunded Projects
N_387_N_SM	System Management (operations, assets)	Commons Parkway			35		Gap	Botetourt is submitting a SMART SCALE Round 5 application for improvements near here. They are working on relocations a park and ride to this site.	New Park and Ride Lot; New TDM Incentive Program (vanpool, carpool, trip reduction/telework programs and incentives)			Relocate Park-and-Ride to Commons Parkway site	Botetourt County SMART SCALE Round 5 application: Route 220 Access Management-Park-and-Ride-AT to Commons Parkway project	NA

Priority Regional Transportation Needs

Roanoke Valley Transportation Planning Organization



Introduction	<p>This spreadsheet lists the regional priority transportation needs identified in the Roanoke Valley Transportation Plan along with available information for understanding the nature of the need. Additional information will be added as the needs are further studied, matched with possible solutions, and in some cases, advance to the stage of projects.</p> <p style="text-align: center;">See the NEST tool to map the projects: https://experience.arcgis.com/experience/ba6a7632c966493e8bc60459676fd1af</p>
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Priority Status	Yes
Need Type	System Management (transit)

Need ID	Need Type	Simple Location	Detailed Location	Need	Score	Investment	Need Status	Rationale	Possible Common Transportation Solutions	Possible Unique or Non-Transportation Solutions	Relevant Recent or Ongoing Studies and/or Recommendations	Preferred Solutions or options	Project / Service/Study, Lead Agency	Associated Unfunded Projects
N_484_T_SM	System Management (transit)	Williamson Road	Elmwood Park		81	Fixed route and trolley service during the day.	Gap	Service is insufficient to accommodate visitors at evening events.	Transit/Rail Service Frequency Change; Transit/Rail Service Hours of Service Change; New Micromobility Service (scooters, bike share, etc...)		Transit Vision Plan. Check most recent TDP.	Provide a demand response service for late night service.	Valley Metro studying the feasibility of a late night service.	NA
N_460_T_SM	System Management (transit)	Brandon Avenue	Towers		68	Route 61/62 and 55/56 fixed-routes.	Gap	Service is insufficient to accommodate shoppers or employees in the evening.	Transit/Rail Service Frequency Change; Transit/Rail Service Hours of Service Change; New Transit Route (local, commuter, intercity)	Alternative/new mode infrastructure (drone docking, e-bike or scooter docking, etc...)	Transit Vision Plan. Comprehensive Operations Analysis	Brandon Avenue Connector from Lewis Gale to Roanoke Memorial.	Valley Metro to study the opportunities for a regional funding mechanism to support transportation improvements, an on-demand transit service option for late weekday and Sunday services, and feasibility of a new Brandon Avenue Connector route.	NA
N_483_T_SM	System Management (transit)	Downtown Salem	Downtown Salem		65	Routes 91/92 serve Downtown Salem.	Gap	Additional frequency and hours of service are desired to improve transit service in Salem.	Transit/Rail Service Frequency Change; Transit/Rail Service Hours of Service Change; New Transit Route (local, commuter, intercity); New Transit Service (ex. Elderly/disable on-demand transportation, flexible on-demand transit service, taxi vouchers, destination specific shuttle services, etc.)		Transit Vision Plan.	Short-term - increase hours of service. Long-term - Provide two separate transit routes - the 91/92 to serve the Main St. corridor and a new route to serve Downtown Salem and the hospitals improve travel time and increase frequency.	None.	NA
N_492_T_SM	System Management (transit)	U.S. 460 - E Main St	Lakeside Plaza		58	Hourly service 5:45am-8:45pm, Routes 91 & 92.	Gap	Limited hours, frequency of service.	Transit/Rail Service Frequency Change; Transit/Rail Service Hours of Service Change		Transit Vision Plan. Check most recent TDP.	Short-Term - Expand hours of service. Long-Term - Increase service frequency.	None.	NA
N_498_T_SM	System Management (transit)	Williamson Road	Berglund Center		58	Hourly service 5:45am-8:45pm, Routes 21 & 22.	Gap	Limited hours, frequency of service.	Transit/Rail Service Frequency Change; Transit/Rail Service Hours of Service Change		Transit Vision Plan. Check most recent TDP.	Short-Term - Expand hours of service. Long-Term - Increase service frequency.	Valley Metro studying the feasibility of extended/expanded service	NA
N_463_T_SM	System Management (transit)	Downtown Roanoke	Downtown Roanoke		58	Hourly service 5:45am-8:45pm, Routes 21 & 22.	Gap	Limited hours, frequency of service.	Transit/Rail Service Frequency Change; Transit/Rail Service Hours of Service Change		Transit Vision Plan. Check most recent TDP.	Short-Term - expand service to Sundays and later in the evenings via a demand response service. Long-Term - Revisit frequency at the next RVTP update or earlier if conditions change.	Valley Metro to study regional funding opportunities to support transit service improvements.	NA
N_469_T_SM	System Management (transit)	Campbell Avenue	RAM House		55	Hourly service 5:45am-8:45pm, Routes 71 & 72.	Gap	Limited hours, frequency of service.	Transit/Rail Service Frequency Change; Transit/Rail Service Hours of Service Change		Transit Vision Plan. Check most recent TDP.	Short-Term - expand service to Sundays and later in the evenings via a demand response service. Long-Term - Revisit frequency at the next RVTP update or earlier if conditions change.	Valley Metro to study regional funding opportunities to support transit service improvements.	NA
N_490_T_SM	System Management (transit)	Grandin Road	Grandin Village		52	Hourly service 5:45am-8:45pm, Routes 71 & 72 and 65 & 66.	Gap	Limited hours, frequency of service.	Transit/Rail Service Frequency Change; Transit/Rail Service Hours of Service Change		Transit Vision Plan.	Short-Term - expand service to Sundays and later in the evenings via a demand response service. Long-Term - Revisit frequency at the next RVTP update or earlier if conditions change.	Valley Metro to study regional funding opportunities to support transit service improvements.	NA

Need ID	Need Type	Simple Location	Detailed Location	Need	Score	Investment	Need Status	Rationale	Possible Common Transportation Solutions	Possible Unique or Non-Transportation Solutions	Relevant Recent or Ongoing Studies and/or Recommendations	Preferred Solutions or options	Project / Service/Study, Lead Agency	Associated Unfunded Projects
N_493_T_SM	System Management (transit)	Route 419	Lewis Gale Hospital		51	Hourly service 5:45am-8:45pm, Routes 71 & 72 and 92.	Gap	Limited hours, frequency of service.	Transit/Rail Service Frequency Change; Transit/Rail Service Hours of Service Change		Transit Vision Plan. Check most recent TDP.	Short-Term - expand service to Sundays and later in the evenings via a demand response service. Long-Term - Revisit frequency at the next RVTP update or earlier if conditions change.	Study regional funding opportunities to support transit service improvements.	NA
N_458_T_SM	System Management (transit)	Valley View Boulevard	Valley View		51	Hourly service 5:45am-8:45pm, Routes 11, 12, 15, 16.	Gap	Limited hours, frequency of service.	Transit/Rail Service Frequency Change; Transit/Rail Service Hours of Service Change		Transit Vision Plan.	Short-Term - expand service to Sundays and later in the evenings via a demand response service. Long-Term - Revisit frequency at the next RVTP update or earlier if conditions change.	Valley Metro to study regional funding opportunities to support transit service improvements.	NA
N_499_T_SM	System Management (transit)	U.S. 460 - W Main St	Spartan Square		47	Route 91 & 92 fixed-routes	Gap	Limited hours, frequency of service.	Transit/Rail Service Frequency Change; Transit/Rail Service Hours of Service Change		Transit Vision Plan.	Short-Term - expand service to Sundays and later in the evenings via a demand response service. Long-Term - Revisit frequency at the next RVTP update or earlier if conditions change.	Study regional funding opportunities to support transit service improvements.	NA
N_507_T_SM	System Management (transit)	Colonial Avenue	VWCC		42	Routes 55 & 56 fixed routes	Gap	Limited hours, frequency of service.	Transit/Rail Service Frequency Change; Transit/Rail Service Hours of Service Change		Transit Vision Plan.	Short-Term - expand service to Sundays and later in the evenings via a demand response service. Long-Term - Revisit frequency at the next RVTP update or earlier if conditions change.	Valley Metro to study regional funding opportunities to support transit service improvements.	NA
N_259_T_SM	System Management (transit)	Vinton	Vinton	p76Increase in CORTTRAN use-unanticipated expenses	36	CORTTRAN, STAR, Routes 35 & 36 fixed-routes.	Partially addressed	Funded services do not provide transit for residents that are not seniors and don't have disabilities living in the Southhampton Townhomes, Northhampton Apartments, A Porter's Haven Senior Community, and Vinton Industrial Park.	New Transit Route (local, commuter, intercity); New Transit Service (ex. Elderly/disable on-demand transportation, flexible on-demand transit service, taxi vouchers, destination specific shuttle services, etc.); New Micromobility Service (scooters, bike share, etc...)		Vinton Area Corridors Plan, Transit Vision Plan.	None identified at this time.	Study regional funding opportunities to support transit service improvements and increasing costs of demand response services.	NA