

**VMTP Tier 1 DRAFT Recommendations for the Salem District
January 12, 2017**

Need S.1: Within RVTPO, I-81, I-581, US 11, US 220, US 460 have congestion, reliability, and safety needs for regional freight and passenger movement.

KEY PROJECTS ADDRESSING THIS NEED	POTENTIAL GAPS	NEW PROJECT IDEAS
FUNDED PROJECTS	Identify operational improvements.	SA01 - US 460 Access Management & Safety Improvements, City of Roanoke
Widening on various sections of US 460, Salem City (VDOT SYIP)		SA03 - Extend accel/decel lanes at I-81 Exits 132,137, 140 and 143, Multi-jurisdictional
Route 11,220,220A Access Management Project at I-81 Exit 150, Botetourt County (2015 - 2018 Transportation Improvement Plan)		SA05 - Add auxiliary lane to NB I-81 from the truck scale to Exit 150, Montgomery County
Route 220 Corridor Improvements, Botetourt County (2015 - 2018 Transportation Improvement Plan)		SA06 - I-81 corridor Active Traffic Management System from Buchanan to Dublin
13th Street on Rte 460, City of Roanoke (2015 - 2018 Transportation Improvement Plan)		SA11 - US 11 corridor ITS and Signal Improvement and Safety Improvements in RVTPO, Multi-jurisdictional
I-81 Improvements to exit 150 interchange, Botetourt County (VDOT SYIP)		SA13 - Study operational improvements from exit 137 to exit 143 on the I-81 corridor and along 581 in downtown Roanoke, Multi-jurisdictional
Rte 11/460 - Widening, Roanoke County (2015 - 2018 Transportation Improvement Plan)		SA19 - Access management improvements in Bedford, Botetourt and Roanoke Counties
ARRA RTE. 581 - at Elm Ave, Roanoke City (Design-Build) (VDOT SYIP)		
Rte 581 - Valley View Interchange Phase II, City of Roanoke (VDOT SYIP)		
UNFUNDED PIPELINE PROJECTS		
SA29 - Climbing / Auxiliary lane on SB I-81 between Exits 141 and 143, Roanoke County (SMART SCALE, Phase 2)		
SA30 - Climbing / Auxiliary lane on SB I-81 between Exits 150 and the truck scales, Botetourt County (SMART SCALE, Phase 2)		
SA31 - Climbing / Auxiliary lane on SB I-81 between Exits 140 and 141, Roanoke County (SMART SCALE, Phase 2)		
SA32 - Climbing / Auxiliary lane on NB I-81 between Exits 140 and 141, Roanoke County (SMART SCALE, Phase 2)		
SA33 - Route 221 Widening, Roanoke County (2035 Long Range Plan)		

Need S.3: Within the RVTPO, regional activity centers and Urban Development Areas (UDAs) have bicycle and pedestrian needs.

KEY PROJECTS ADDRESSING THIS NEED	POTENTIAL GAPS	NEW PROJECT IDEAS
FUNDED PROJECTS	Coordinate with local government to identify critical multimodal links to connect UDA development/redevelopment to existing networks.	SA07 -Roanoke Bike Improvements connecting Amtrak and Roanoke Greenway, City of Roanoke
Two multimodal studies, City of Roanoke.		SA14 - Study sidewalk and pedestrian ramp improvements along transit routes, City of Roanoke.
Six bicycle/pedestrian projects, City of Roanoke. (VDOT SYIP)		
Six bicycle/pedestrian projects, County of Roanoke. (VDOT SYIP)		
Two multimodal studies, City of Roanoke. (VDOT SYIP)		
Three bicycle/pedestrian projects in Vinton, Roanoke County (VDOT SYIP)		
UNFUNDED PIPELINE PROJECTS		
SA20 - Grade separation over railroad at 13th St. & Hollins Rd, City of Roanoke (SMART SCALE, Phase 2)		
SA21 - East Main St. Widening and Accessibility Improvements - Brand Rd. to Kessler Mill Rd, City of Salem (SMART SCALE, Phase 2)		
SA22 - Mason Creek Greenway Phase 3, City of Salem (SMART SCALE, Phase 2)		
SA23 - Bike/Ped Improvements along Plantation Road, Roanoke County (2015 - 2018 Transportation Improvement Plan)		
SA24 - Roanoke River Greenway - Blue Ridge Pkwy to Rutrough Point, Roanoke County (SMART SCALE, Phase 2)		
SA25 - West Main Street Sidewalk, Roanoke County (SMART SCALE, Phase 2)		

Need S.4: Within NRVMPPO, US 11 and I-81 have TDM, safety and parallel redundancy needs.

KEY PROJECTS ADDRESSING THIS NEED	POTENTIAL GAPS	NEW PROJECT IDEAS
FUNDED PROJECTS	Any TDM, safety and parallel redundancy needs in the I-81/US 11 corridor in the NRV MPO. Consider recommendations to address I-81 directly.	SA02 - I-81 Exit 114 Interchange Improvements, Montgomery County
Intercity Passenger Bus Service from Blacksburg to Washington, D.C., Multi-jurisdictional		SA04 - Ironto Rest Area Climbing Lane, Montgomery County
		SA06 - I-81 corridor Active Traffic Management System from Buchanan to Dublin
UNFUNDED PIPELINE PROJECTS		SA09 - Truck improvements to I-81 within NRVMPPO from Exits 98 through Exit 108, Multi-jurisdictional
None		SA10 - US 11 corridor ITS and Signal Improvement from Christiansburg to Dublin
		SA12 - Rte. 8 (Riner Rd.) Park-n-Ride near I-81 (Exit 114), Montgomery County

Need S.7: Within NRVMPPO, Pepper's Ferry Rd has connectivity, congestion, safety, and TDM needs.

KEY PROJECTS ADDRESSING THIS NEED	POTENTIAL GAPS	NEW PROJECT IDEAS
FUNDED PROJECTS	None - Funded and Pipeline Projects appear to address the need.	None - Smart Scale, Phase 2 applications address the gap
Safe Routes to School - Bellview ES, Montgomery County (VDOT SYIP)		
UNFUNDED PIPELINE PROJECTS		
SA28 - Pepper's Ferry Road and N. Franklin St. Connector in the Town of Christiansburg , Montgomery County (SMART SCALE, Phase 2)		

Need S.9: Within the Salem District, the US 460 and US 220 corridors in Bedford County between Roanoke, New River Valley and Lynchburg have intercity transit, interregional connectivity, reliability, congestion, airport access, and safety needs.

KEY PROJECTS ADDRESSING THIS NEED	POTENTIAL GAPS	NEW PROJECT IDEAS
FUNDED PROJECTS	Multimodal access to the new Amtrak station in Roanoke.	SA01 - US 460 Access Management & Safety Improvements East of Roanoke, Multi-jurisdictional
Rail improvements and and acquisition from Lynchburg to Roanoke for Extension of Service, Multi-jurisdictional (DRPT SYIP)		SA15 - Study intercity bus service serving cities along the I-81 corridor within Salem District
Intercity Passenger Bus Service from Blacksburg to Washington, D.C., Multi-jurisdictional		SA18 -Second Amtrak Service from Lynchburg to Roanoke, Multi-jurisdictional
UNFUNDED PIPELINE PROJECTS		
SA34 - Feasibility study of passenger rail from Roanoke to Blacksburg, Multi-jurisdictional		

Need S.11: Within the Salem District, I-81 (north of RVTPO), US 460, and US 11 have reliability, congestion, redundancy, mode choice and safety needs.

KEY PROJECTS ADDRESSING THIS NEED	POTENTIAL GAPS	NEW PROJECT IDEAS
FUNDED PROJECTS	Any reliability, congestion, reduncancy, mode choice and safety needs for I-81 (north of RVTPO), US 460, and US 11.	SA06 - I-81 corridor Active Traffic Management System from Buchanan to Dublin
I-81 Exit 150 Improvement Project, Botetourt County (VDOT SYIP)		SA16 - Access management improvements on US 460/US 11 west of the City of Roanoke to Christiansburg, Multi-jurisdictional
I-81 Exit 140 Park and Ride Facility Expansion, Roanoke County (VDOT SYIP)		SA17 - Multi-jurisdictional communication and coordination incident management plan for I-81 corridor within the Salem District, Multi-jurisdictional
Intercity Passenger Bus Service from Blacksburg to Washington, D.C., Multi-jurisdictional		
UNFUNDED PIPELINE PROJECTS		
SA27 - Exit 150 Park and Ride Improvement and Expansion, Botetourt County (SMART SCALE, Phase 2)		

Need S.12: Within the Salem District, US 220 and US 58 between Martinsville, Ridgeway, and Rocky Mount have safety, congestion, and reliability needs. The Rocky Mount UDA and UDAs within this corridor have circulation, safety and access needs.

KEY PROJECTS ADDRESSING THIS NEED	POTENTIAL GAPS	NEW PROJECT IDEAS
FUNDED PROJECTS	Projects aimed at UDAs within this corridor that have circulation, safety, and access needs.	SA08 - Rte. 220 Safety Improvements, Franklin County
Route 220 Safety Improvements, Henry County (VDOT SYIP)		SA35 - Rte. 220 Access Management Strategy in Henry and Franklin Counties
US 58 East Turn Lane at US 58/220 Bypass, Henry County (VDOT SYIP)		
Rt 220 - Bridge over Back Creek, Roanoke County (2015 - 2018 Transportation Improvement Plan)		
UNFUNDED PIPELINE PROJECTS		
SA26 - Intersection Re-alignment of 220-Bus and Rte. 40 in the Town of Rocky Mount (SMART SCALE, Phase 2)		

Need S.17: Within the Salem District, the Greenway and Regional Trail system have network connectivity and mode choice needs.

KEY PROJECTS ADDRESSING THIS NEED	POTENTIAL GAPS	NEW PROJECT IDEAS
FUNDED PROJECTS	Multimodal access to the new Amtrak station in Roanoke.	SA07 -Roanoke Bike Improvements connecting Amtrak and Roanoke Greenway, City of Roanoke
Roanoke River Greenway, Multi-jurisdictional (2015 - 2018 Transportation Improvement Plan)		SA14 - Study sidewalk and pedestrian ramp improvements along transit routes, City of Roanoke.
UNFUNDED PIPELINE PROJECTS		SA36 - Roanoke River Greenway Continual Development and Improvements, Multi-jurisdictional
SA23 - Plantation Rd Bike, Pedestrian and Streetscape Improvements, Roanoke County (2015 - 2018 Transportation Improvement Plan)		

VTrans2040 Multimodal Transportation Plan (VMTP)

2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

Recommendation Details **Project Reference Number**

Short Description

District **Local Jurisdiction**

SMART SCALE Needs Categories (Place X in all applicable boxes)

Corridor of Statewide Significance Regional Network UDAs Safety

Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports)

Project Status:

Recommendation Features

Type (Place X in all applicable boxes)

Highway Bike/Pedestrian Bus Transit Rail Transit Freight Rail Travel Demand Management

Detailed Description of Improvements

Safety improvements along US 460 from Evan Ln to Patrick Rd. NE and Access Management improvements from I-581 to 24th St. NE. to correct safety deficiencies.

Potential Funding Sources

(Place X in all applicable boxes)

SMART SCALE TAP CMAQ HSIP Prescoping Other:

Estimated Project Cost (in \$M)

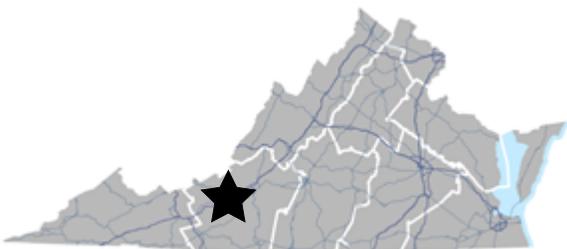
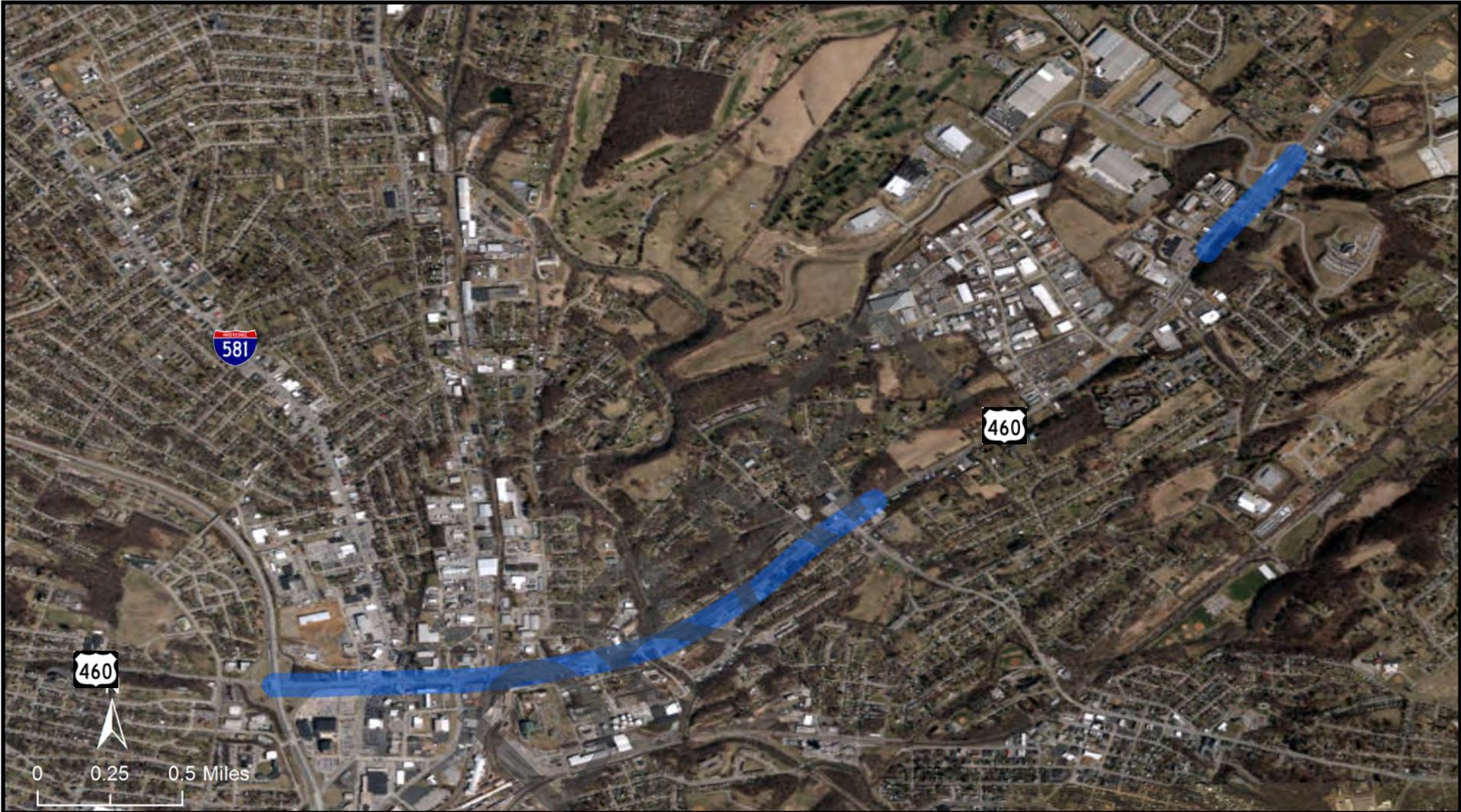
Right of Way Required for Project

If Applicable: Smart Scale Project Feasibility

Based on Qualitative Review of Project

Comments

Safety	Reduction in crashes increases reliability and reduces congestion
Congestion Mitigation	Reduction in congestion from increased reliability
Accessibility	Accessibility increase from decrease in congestion and increase in reliability
Land Use	Increased safety and reliability would promote in-fill of adjacent mixed-use properties.
Environment	Reduction in congestion results in reduced delay and environmental impacts
Economic Development	Increase in reliability will be beneficial for economic development



Project Reference Number: SA01
Short Project Description: US 460 Access Management & Safety Improvements in the City of Roanoke

VDOT District: Salem
Local Jurisdiction: Roanoke County, Roanoke City

VTrans2040 Multimodal Transportation Plan (VMTP)

2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

Recommendation Details

Project Reference Number

SA02

Short Description

I-81 Exit 114 Interchange Improvements, Montgomery County

District

Salem

Local Jurisdiction

Montgomery County

SMART SCALE Needs Categories (Place X in all applicable boxes)

Corridor of Statewide Significance Regional Network UDAs Safety

Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports)

2040 CoSS Segment B2 Needs I, 2025 Roanoke Regional Need B

Project Status:

New, unique recommendation

Recommendation Features

Type (Place X in all applicable boxes)

Highway Bike/Pedestrian Bus Transit Rail Transit Freight Rail Travel Demand Management

Detailed Description of Improvements

Improve interchange at Exit 114, including approaches and improvements to Rte. 8 to reduce congestion on I-81 and improve the safety characteristics of the interchange.

Potential Funding Sources

(Place X in all applicable boxes)

SMART SCALE TAP CMAQ HSIP Prescoping Other: _____

Estimated Project Cost (in \$M) \$ 28.50

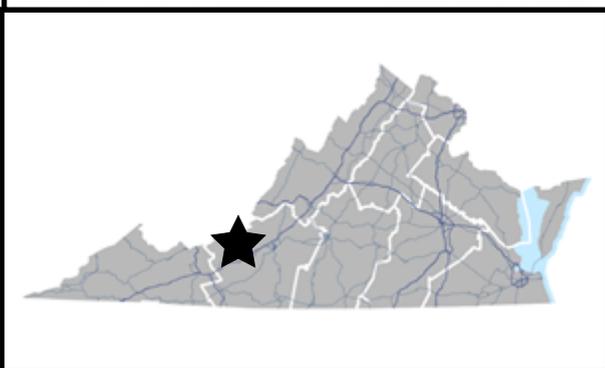
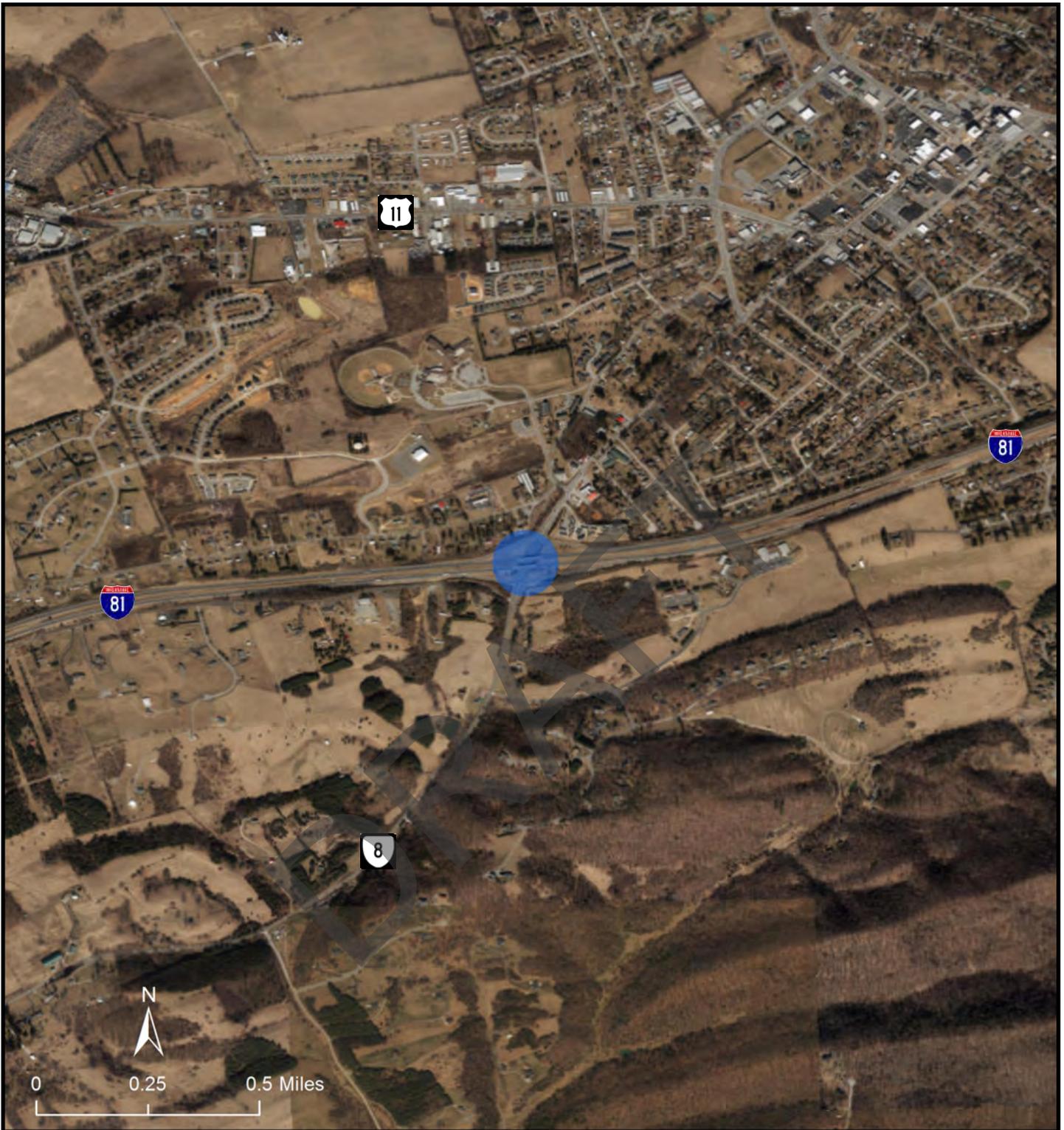
Right of Way Required for Project

If Applicable: Smart Scale Project Feasibility

Based on Qualitative Review of Project

Comments

Safety	Improves the safety characteristics of the interchange
Congestion Mitigation	Reduces the hindrance of trucks climbing at low speed and entering/exiting I-81
Accessibility	Accessibility increase from decrease in congestion and increase in reliability
Land Use	No anticipated support for in-fill adjacent to project.
Environment	Project does not have a significant environmental benefit.
Economic Development	Increase in reliability will be beneficial for economic development



Project Reference Number: SA02
Short Project Description: I-81 Exit 114 Interchange Improvements

VDOT District: Salem
Local Jurisdiction: Montgomery County

VTrans2040 Multimodal Transportation Plan (VMTP)

2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

Recommendation Details

Project Reference Number

SA03

Short Description

Extend accel/decel lanes at I-81 Exits 132,137, 140 and 143, Multi-jurisdictional

District

Salem

Local Jurisdiction

Multiple

- Corridor of Statewide Significance
 Regional Network
 UDAs
 Safety

Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports)

2040 CoSS Segment B2 Needs C, G, H, 2025 Roanoke Regional Need B

Project Status:

New, unique recommendation

Recommendation Features

Type (Place X in all applicable boxes)

- Highway
 Bike/Pedestrian
 Bus Transit
 Rail Transit
 Freight Rail
 Travel Demand Management

Detailed Description of Improvements

Extend the acceleration and deceleration ramps on I-81 at Exit 143 SB decel, Exit 137 NB accel, Exit 137 SB decel, Exit 143 NB accel, Exit 132 NB accel, weigh station SB accel, Exit 140 SB accel and weigh station NB to reduce congestion, increase reliability and increase safety.

Potential Funding Sources

(Place X in all applicable boxes)

- SMART SCALE
 TAP
 CMAQ
 HSIP
 Prescoping
 Other:

Estimated Project Cost (in \$M)

\$ 21.00

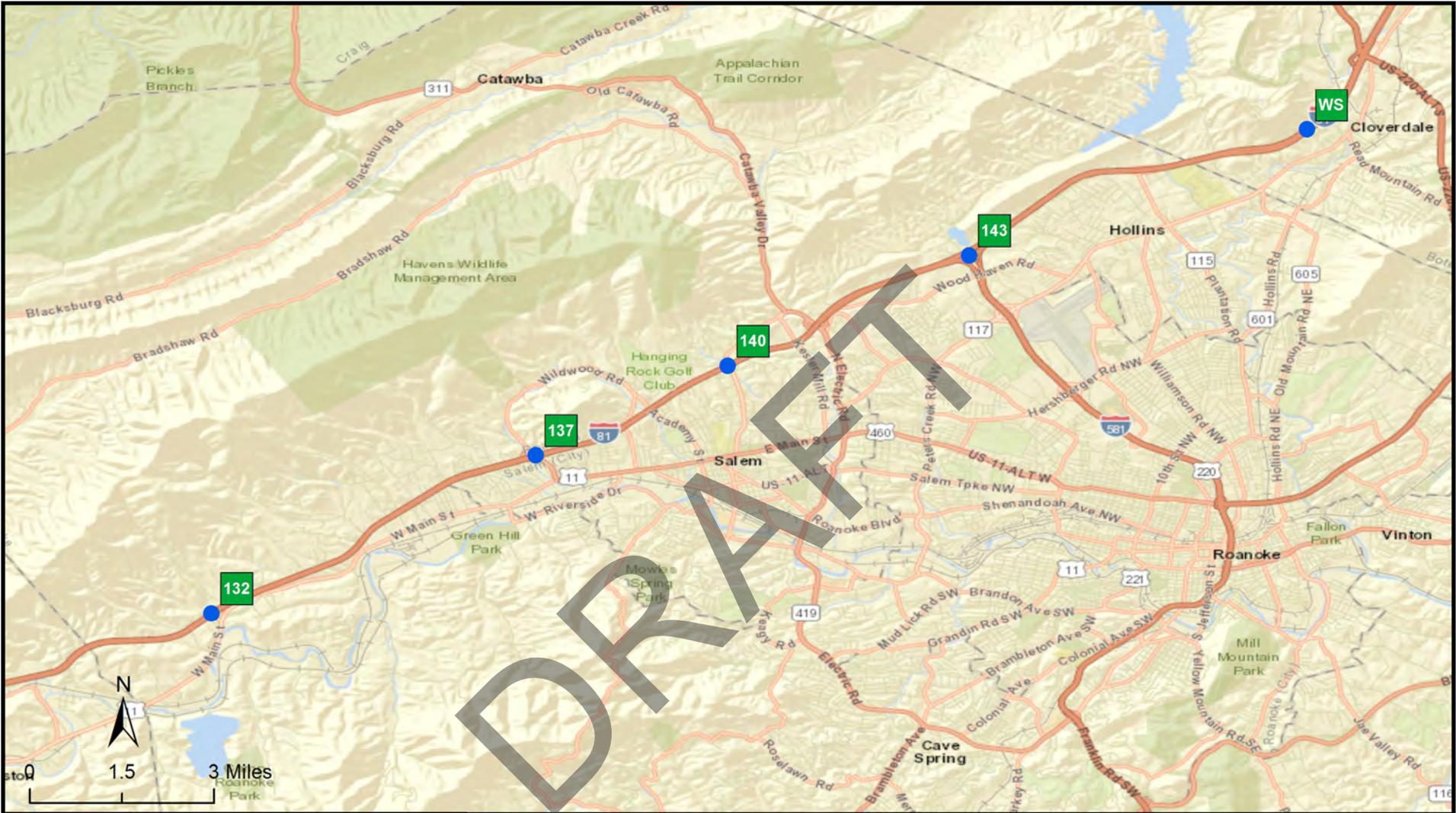
Right of Way Required for Project

If Applicable: Smart Scale Project Feasibility

Based on Qualitative Review of Project

Comments

Safety	Providing more room for merges reduces conflict and increase safety
Congestion Mitigation	Extending ramps will provide more room to merge on and off the Interstate
Accessibility	Accessibility increase from decrease in congestion and increase in reliability.
Land Use	No anticipated support for in-fill adjacent to project.
Environment	Project does not have a significant environmental benefit.
Economic Development	Increase in reliability of the corridor will be beneficial for economic development



Project Reference Number: SA03
 Short Project Description: Extend accel/decel lanes at I-81 Exits 132, 137, 140 and 143
 VDOT District: Salem
 Local Jurisdiction: Botetourt County, Roanoke County, Salem City

VTrans2040 Multimodal Transportation Plan (VMTP)

2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

Recommendation Details **Project Reference Number**

Short Description

District Local Jurisdiction

SMART SCALE Needs Categories (Place X in all applicable boxes)

Corridor of Statewide Significance Regional Network UDAs Safety

Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports)

Project Status:

Recommendation Features

Type (Place X in all applicable boxes)

Highway Bike/Pedestrian Bus Transit Rail Transit Freight Rail Travel Demand Management

Detailed Description of Improvements

Potential Funding Sources

(Place X in all applicable boxes)

SMART SCALE TAP CMAQ HSIP Prescoping Other:

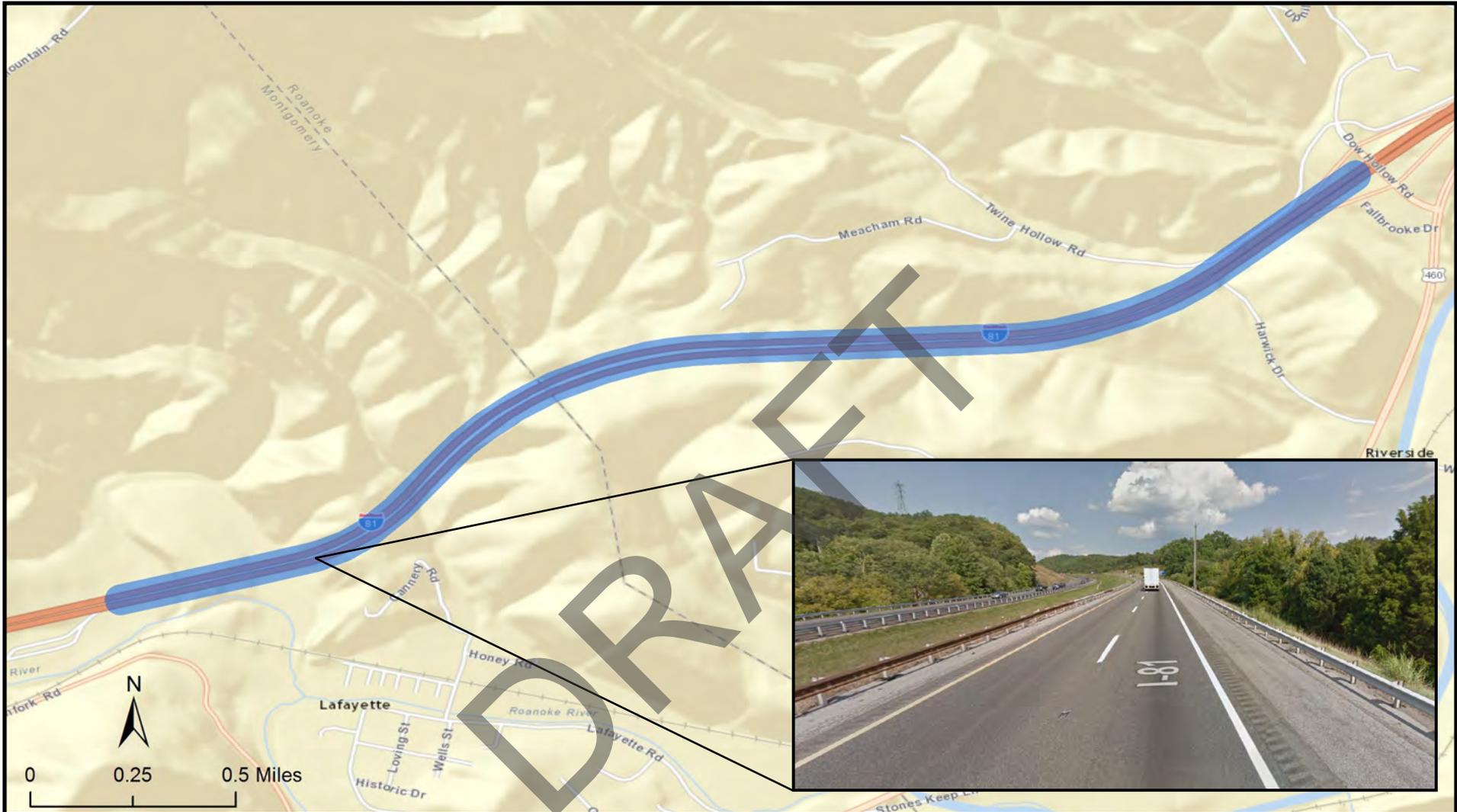
Estimated Project Cost (in \$M) Right of Way Required for Project

If Applicable: Smart Scale Project Feasibility

Based on Qualitative Review of Project

Comments

Safety	Reduces the conflict of speed variance between trucks and the rest of traffic.
Congestion Mitigation	Reduces the hindrance of low speed climbing trucks to the rest of traffic.
Accessibility	Accessibility increase from decrease in congestion and increase in reliability
Land Use	No anticipated support for in-fill adjacent to project.
Environment	Project does not have a significant environmental benefit.
Economic Development	Increase in reliability will be beneficial for economic development



Project Reference Number: SA04
 Short Project Description: Ironto Rest Area Climbing Lane
 VDOT District: Salem
 Local Jurisdiction: Montgomery County, Roanoke County



VTrans2040 Multimodal Transportation Plan (VMTP)

2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

Recommendation Details

Project Reference Number

SA05

Short Description

Add auxiliary lane to NB I-81 from the truck scale to Exit 150, Multi-jurisdictional

District

Salem

Local Jurisdiction

Multiple

SMART SCALE Needs Categories (Place X in all applicable boxes)

Corridor of Statewide Significance Regional Network UDAs Safety

Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports)

2040 CoSS Segment B2 Needs A, 2025 Roanoke Regional Need B

Project Status:

New, unique recommendation

Recommendation Features

Type (Place X in all applicable boxes)

Highway Bike/Pedestrian Bus Transit Rail Transit Freight Rail Travel Demand Management

Detailed Description of Improvements

Add auxiliary lane NB I-81 between truck scales and Exit 150 to reduce congestion, increase reliability and increase safety.

Potential Funding Sources

(Place X in all applicable boxes)

SMART SCALE TAP CMAQ HSIP Prescoping Other: _____

Estimated Project Cost (in \$M) \$ 26.00

Right of Way Required for Project

If Applicable: Smart Scale Project Feasibility

Based on Qualitative Review of Project

Comments

Safety	Reduces the conflict of speed variance between trucks and the rest of traffic
Congestion Mitigation	Reduces the hindrance of low speed climbing trucks to the rest of traffic.
Accessibility	Accessibility increase from decrease in congestion and increase in reliability
Land Use	No anticipated support for in-fill adjacent to project.
Environment	Project does not have a significant environmental benefit.
Economic Development	Increase in reliability of the corridor will be beneficial for economic development.

VTrans2040 Multimodal Transportation Plan (VMTP)

2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

Recommendation Details **Project Reference Number**

Short Description

District **Local Jurisdiction**

SMART SCALE Needs Categories (Place X in all applicable boxes)

Corridor of Statewide Significance Regional Network UDAs Safety

Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports)

Project Status:

Recommendation Features

Type (Place X in all applicable boxes)

Highway Bike/Pedestrian Bus Transit Rail Transit Freight Rail Travel Demand Management

Detailed Description of Improvements

Installation of an Active Traffic Management System along I-81 throughout the Salem District to improve safety, reduce congestion and improve reliability. The system could work in conjunction with an enhance traffic signal system along Rte. 11 and relay travel time, construction and accident information to drivers allowing them to divert onto Rte. 11. ATMS elements could also be utilized along Rte. 11 as a part of the overall system.

Potential Funding Sources

(Place X in all applicable boxes)

SMART SCALE TAP CMAQ HSIP Prescoping Other:

Estimated Project Cost (in \$M)

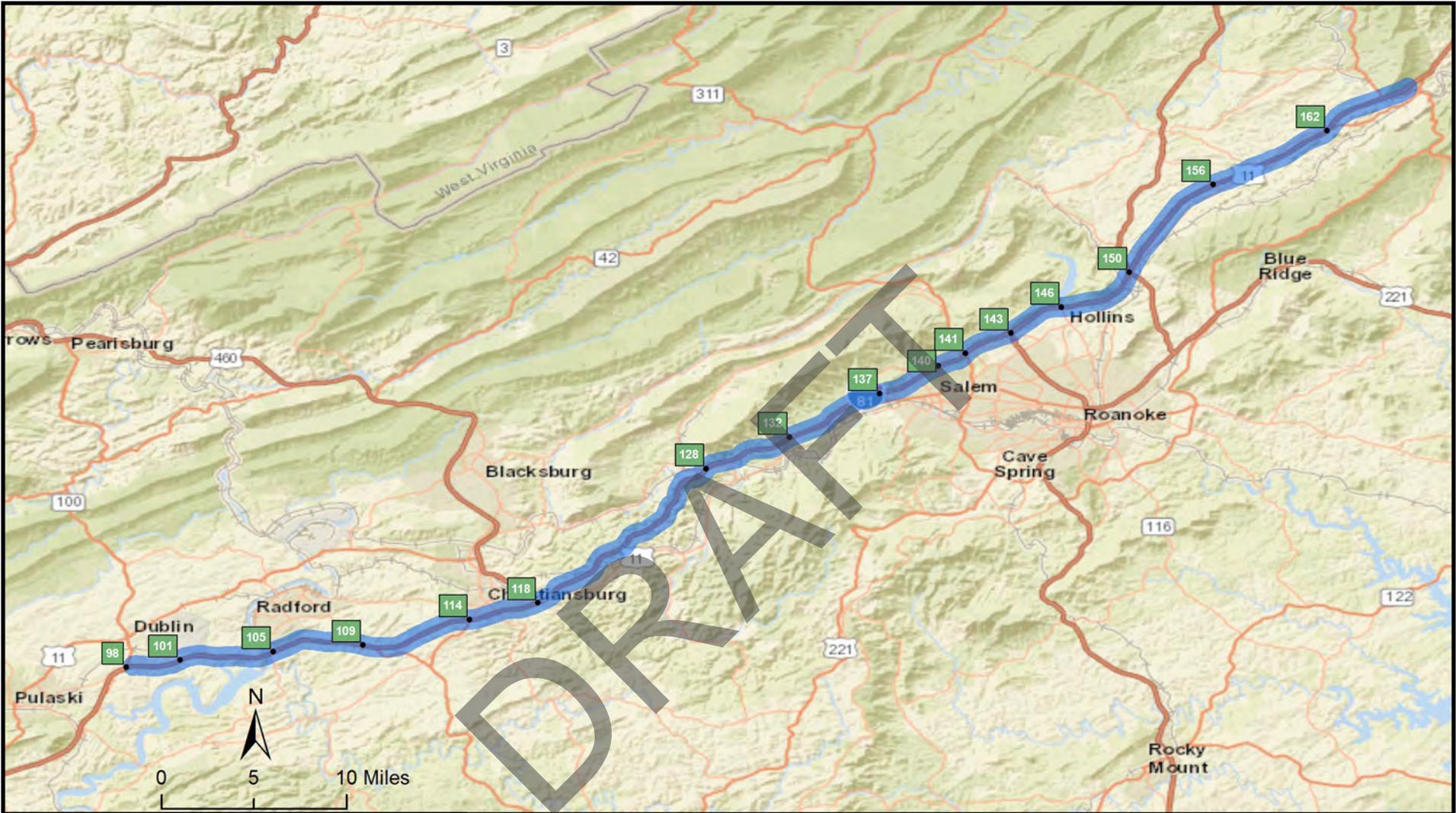
Right of Way Required for Project

If Applicable: Smart Scale Project Feasibility

Based on Qualitative Review of Project

Comments

Safety	Safety benefits from increased driver awareness and incident management
Congestion Mitigation	Reduction of congestion through real time management of the highway system
Accessibility	Accessibility increase from decrease in congestion and increase in reliability
Land Use	No anticipated support for in-fill adjacent to project.
Environment	Reliability and congestion benefits improve air quality
Economic Development	Reliability and efficiency improvements support development



Project Reference Number: SA06
 Short Project Description: I-81 corridor Active Traffic Management System from Buchanan to Dublin

VDOT District: Salem
 Local Jurisdiction: Botetourt County, Montgomery County, Pulaski County, Radford City, Roanoke County

VTrans2040 Multimodal Transportation Plan (VMTP)

2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

Recommendation Details

Project Reference Number

SA07

Short Description

Roanoke Bike Improvements connecting Amtrak and Roanoke Greenway, Roanoke City

District

Salem

Local Jurisdiction

Roanoke City

SMART SCALE Needs Categories (Place X in all applicable boxes)

Corridor of Statewide Significance Regional Network UDAs Safety

Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports)

2025 Roanoke Regional Need A

Project Status:

New, unique recommendation

Recommendation Features

Type (Place X in all applicable boxes)

Highway Bike/Pedestrian Bus Transit Rail Transit Freight Rail Travel Demand Management

Detailed Description of Improvements

Install wayfinding to activity areas and bike routes. Sharrows on Wise Ave. SE and Campell Ave. SE from Fallon Park to Rte. 11, Campbell Ave SW from 13th St. SW to S. Jefferson St. and on 13th St. from Roanoke Ave. SW to Campbell Ave. SW. Roundabout at Campbell Ave. SW & 10th St. SW. This project will increase accessibility, connectivity and mode choice. These improvements would better link the new Amtrack station and downtown to the existing Roanoke Greenway network.

Potential Funding Sources

(Place X in all applicable boxes)

SMART SCALE TAP CMAQ HSIP Prescoping Other: _____

Estimated Project Cost (in \$M) \$ 0.12

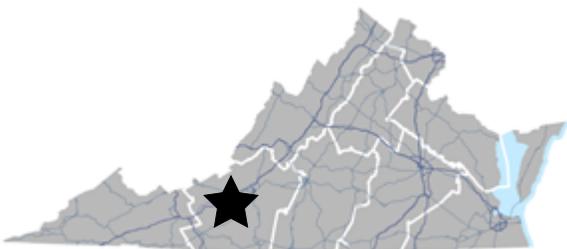
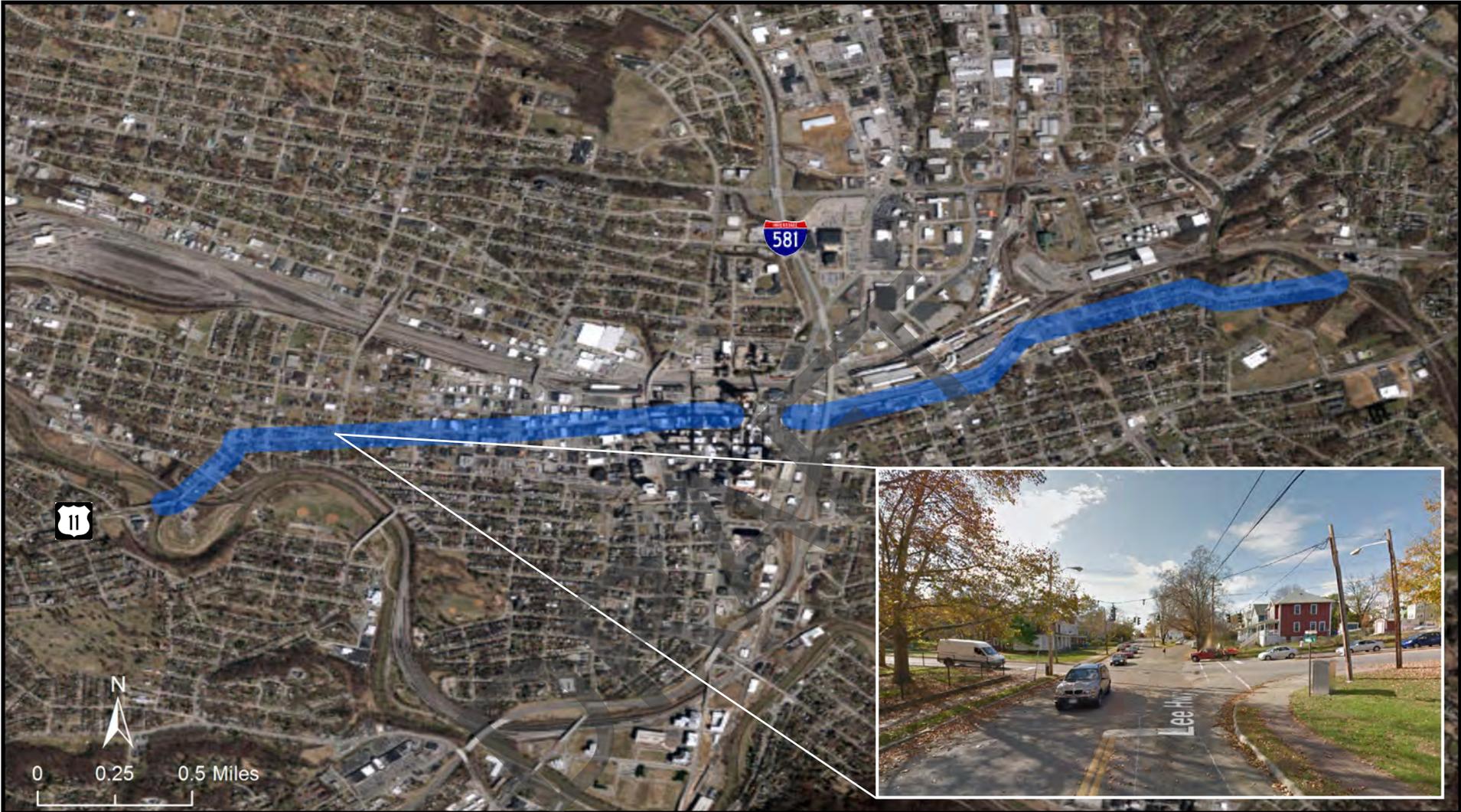
Right of Way Required for Project

If Applicable: Smart Scale Project Feasibility

Based on Qualitative Review of Project

Comments

Safety	Moderate safety improvement at Campbell Ave. SW & 10th St. SW.
Congestion Mitigation	Reduction in congestion from increase in modal choice
Accessibility	Increases accesibility within the area by providing improved bike accomodations
Land Use	Increased safety and reliabilty would promote in-fill of adjacent mixed-use properties.
Environment	Reduced environmental impact from reduction in VMT
Economic Development	Supports economic development with increase in multimodal access



Project Reference Number: SA07
Short Project Description: Roanoke Bike Improvements connecting Amtrak and Roanoke Greenway

VDOT District: Salem
Local Jurisdiction: Roanoke City

VTrans2040 Multimodal Transportation Plan (VMTP)

2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

Recommendation Details

Project Reference Number

SA08

Short Description

Rte. 220 Safety Improvements, Franklin County

District

Salem

Local Jurisdiction

Franklin County

SMART SCALE Needs Categories (Place X in all applicable boxes)

Corridor of Statewide Significance Regional Network UDAs Safety

Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports)

2040 CoSS Segment F1 Needs C

Project Status:

New, unique recommendation

Recommendation Features

Type (Place X in all applicable boxes)

Highway Bike/Pedestrian Bus Transit Rail Transit Freight Rail Travel Demand Management

Detailed Description of Improvements

Safety Improvements on Route 220 from Goose Dam Rd. to Henry Rd. Correct sharp curve near Henry Rd, crossover improvements and other safety improvements.

Potential Funding Sources

(Place X in all applicable boxes)

SMART SCALE TAP CMAQ HSIP Prescoping Other:

Estimated Project Cost (in \$M)

\$ 2.10

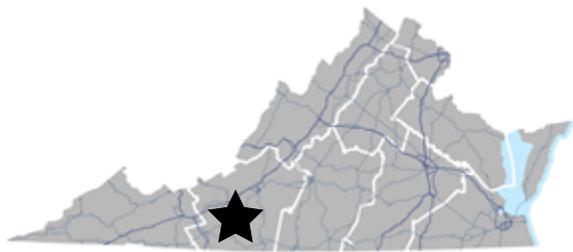
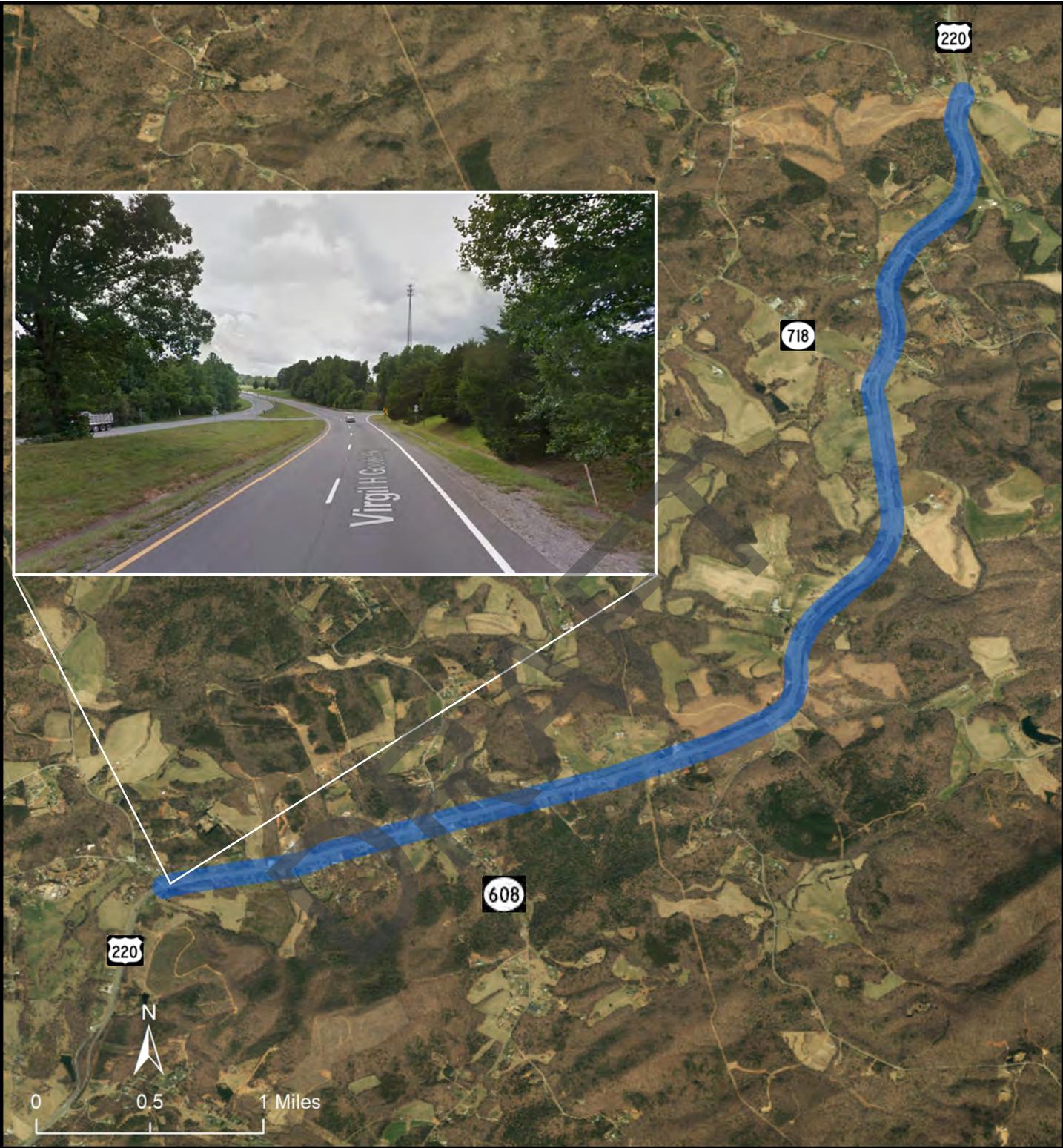
Right of Way Required for Project

If Applicable: Smart Scale Project Feasibility

Based on Qualitative Review of Project

Comments

Safety	Project components will improve safety and reduce severe crashes
Congestion Mitigation	Increase in safety would reduce the number of hours of delay along the corridor
Accessibility	Accessibility increase from decrease in congestion and increase in reliability
Land Use	No anticipated support for in-fill adjacent to project.
Environment	Project does not have an environmental benefit.
Economic Development	Project does not have an economic development benefit.



Project Reference Number: SA08
Short Project Description: Rte. 220 Safety Improvements
in Franklin County

VDOT District: Salem
Local Jurisdiction: Franklin County

VTrans2040 Multimodal Transportation Plan (VMTP)

2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

Recommendation Details **Project Reference Number**

Short Description

Truck improvements to I-81 within NRVMPPO from Exits 98 through Exit 108, Multi-jurisdictional

District **Local Jurisdiction**

SMART SCALE Needs Categories (Place X in all applicable boxes)

Corridor of Statewide Significance Regional Network UDAs Safety

Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports)

2040 CoSS Segment B2 Needs A, C, G, H 2025 NRVMPPO Regional Network Need A

Project Status:

Recommendation Features

Type (Place X in all applicable boxes)

Highway Bike/Pedestrian Bus Transit Rail Transit Freight Rail Travel Demand Management

Detailed Description of Improvements

Install climbing lanes along NB I-81 from Exit 98 to Exit 101 and from MM 106.1 to MM 107.5. Extend the acceleration and deceleration ramps at Exits 98 and 105. Project would increase reliability and safety and reduce congestion.

Potential Funding Sources

(Place X in all applicable boxes)

SMART SCALE TAP CMAQ HSIP Prescoping Other:

Estimated Project Cost (in \$M)

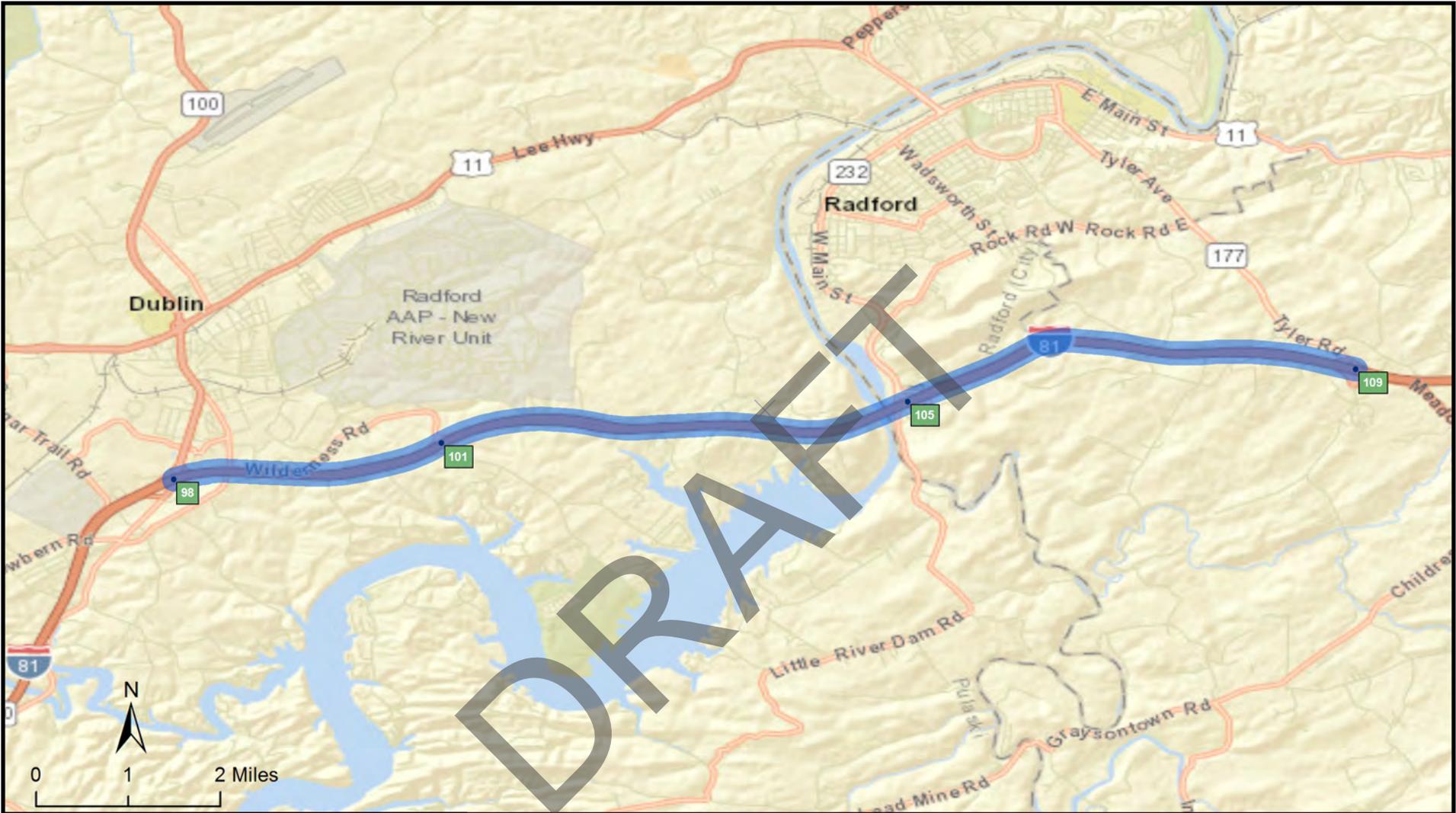
Right of Way Required for Project

If Applicable: Smart Scale Project Feasibility

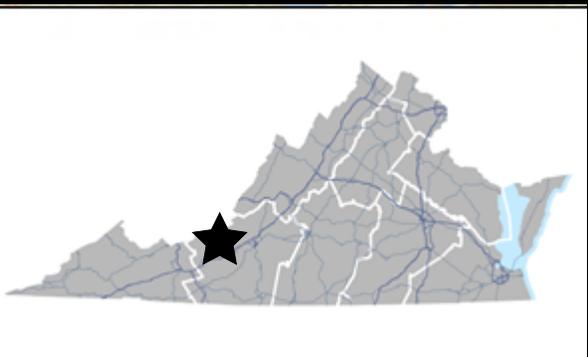
Based on Qualitative Review of Project

Comments

Safety	Reduce the conflict of speed variance between trucks and the rest of traffic
Congestion Mitigation	Reduces the hindrance of trucks climbing at low speed and entering/exiting I-81
Accessibility	Accessibility increase from decrease in congestion and increase in reliability
Land Use	No anticipated support for in-fill adjacent to project.
Environment	Project does not have an environmental benefit.
Economic Development	Project does not have an economic development benefit.



DRAFT



Project Reference Number: SA09
 Short Project Description: Truck improvements to I-81 within NRVMPPO from Exits 98 through Exit 108
 VDOT District: Salem
 Local Jurisdiction: Montgomery County, Pulaski County

VTrans2040 Multimodal Transportation Plan (VMTP)

2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

Recommendation Details

Project Reference Number

SA10

Short Description

US 11 corridor ITS and Signal Improvement from Christiansburg to Dublin, Multi-jurisdictional

District

Salem

Local Jurisdiction

Multiple

SMART SCALE Needs Categories (Place X in all applicable boxes)

Corridor of Statewide Significance Regional Network UDAs Safety

Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports)

2040 CoSS Segment B2 Need S, 2025 Roanoke Regional Need B

Project Status:

New, unique recommendation

Recommendation Features

Type (Place X in all applicable boxes)

Highway Bike/Pedestrian Bus Transit Rail Transit Freight Rail Travel Demand Management

Detailed Description of Improvements

Installation of enhanced traffic signal system and ITS equipment along US 11 from Exit 118C to the Rte. 11 interchange with Rte. 100 (Cleburne Blvd.) to increase reliability and decrease congestion. This would allow for better operational efficiency of the corridor and emergency management during incidents on I-81. Technologies could be incorporated with a ATMS system along I-81 for increase incident management and operational efficiency.

Potential Funding Sources

(Place X in all applicable boxes)

SMART SCALE TAP CMAQ HSIP Prescoping Other:

Estimated Project Cost (in \$M) \$ 7.00

Right of Way Required for Project

If Applicable: Smart Scale Project Feasibility

Based on Qualitative Review of Project

Comments

Safety	Reduction in congestion reduces crashes and increases safety.
Congestion Mitigation	Congestion reduction from increased responsiveness of signals and ops staff.
Accessibility	Accessibility increase from decrease in congestion and increase in reliability.
Land Use	Increased safety and reliability would promote in-fill of adjacent mixed-use properties.
Environment	Reduction in congestion results in reduced delay and environmental impacts.
Economic Development	Increase in reliability of the corridor will be beneficial for economic development.



Project Reference Number: SA10

Short Project Description: US 11 corridor ITS and Signal Improvement from Christiansburg to Dublin

VDOT District: Salem

Local Jurisdiction: Montgomery County, Radford County, Pulaski County

VTrans2040 Multimodal Transportation Plan (VMTP)

2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

Recommendation Details

Project Reference Number

SA11

Short Description

US 11 corridor ITS and Signal Improvement and Safety Improvements in RVTPD, Multi-jurisdictional

District

Salem

Local Jurisdiction

Multiple

SMART SCALE Needs Categories (Place X in all applicable boxes)

Corridor of Statewide Significance Regional Network UDAs Safety

Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports)

2040 CoSS Segment B2 Need N, S, Q, 2025 Roanoke Regional Need B

Project Status:

New, unique recommendation

Recommendation Features

Type (Place X in all applicable boxes)

Highway Bike/Pedestrian Bus Transit Rail Transit Freight Rail Travel Demand Management

Detailed Description of Improvements

Enhanced traffic signal system and ITS equipment on US 11 from Cloverdale Rd. to Rte. 117 (Peterscreek Rd.) and from intersection of E. Main St and Electric Rd. to Daugherty Rd. Access management and safety improvements on US 11 / 460 in Salem from Greene St. to Texas Hollow Rd. to increase reliability and decrease congestion. This would allow for better operational efficiency of the corridor and emergency management during incidents on I-81. Technologies could be incorporated with a ATMS system along I-81 for increase incident management and operational efficiency.

Potential Funding Sources

(Place X in all applicable boxes)

SMART SCALE TAP CMAQ HSIP Prescoping Other: _____

Estimated Project Cost (in \$M) \$ 7.00

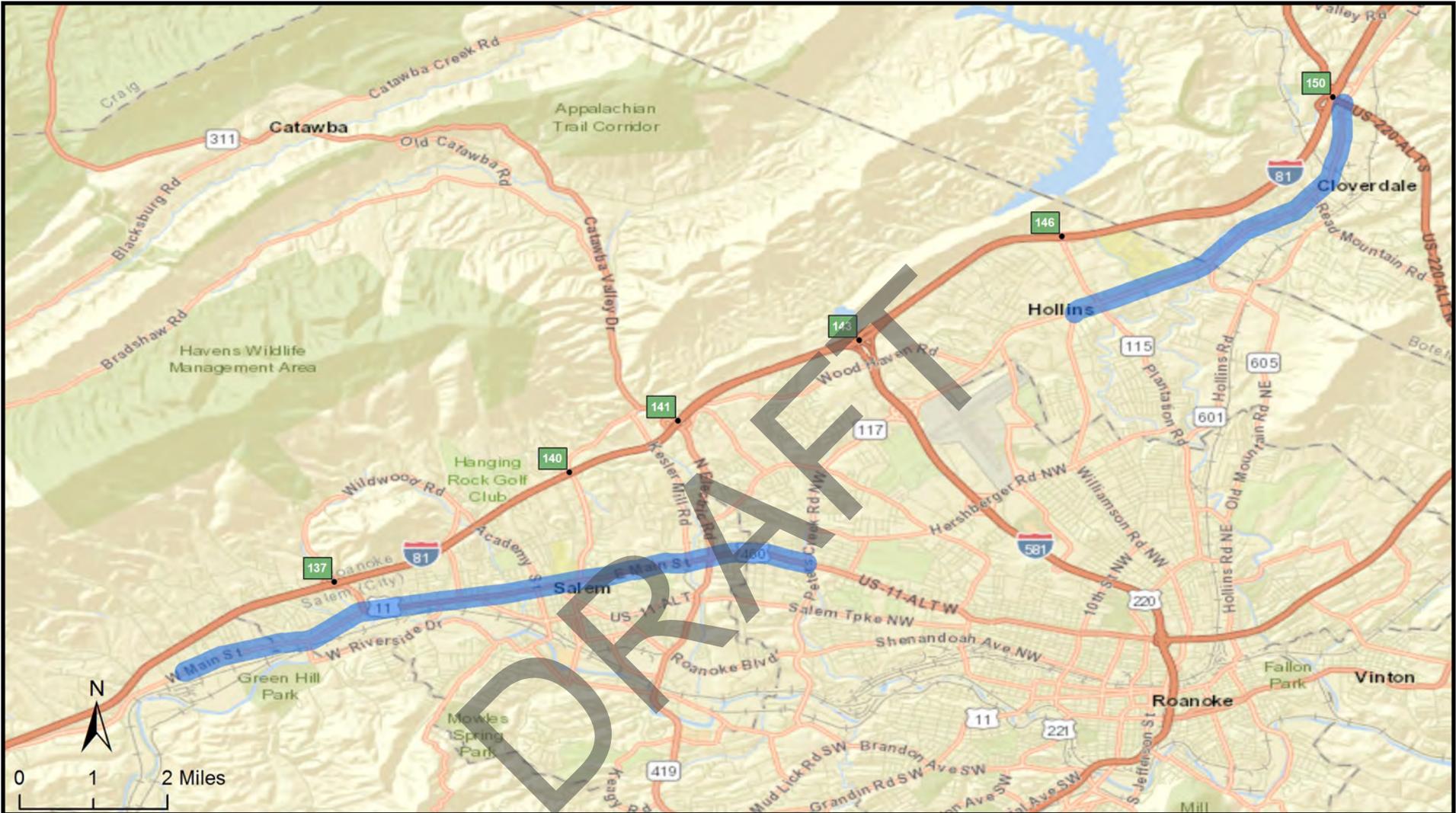
Right of Way Required for Project

If Applicable: Smart Scale Project Feasibility

Based on Qualitative Review of Project

Comments

Safety	Consolidating accesses will reduce conflicts and increase safety
Congestion Mitigation	Reduction in congestion from increased responsiveness of signals and ops staff
Accessibility	Accessibility increase from decrease in congestion and increase in reliability
Land Use	Increased safety and reliability would promote in-fill of adjacent mixed-use properties.
Environment	Reduction in congestion results in reduced delay and environmental impacts
Economic Development	Increase in reliability of the corridor will be beneficial for economic development.



Project Reference Number: SA11
 Short Project Description: US 11 corridor ITS and Signal Improvement and Safety Improvements in RVTPD
 VDOT District: Salem
 Local Jurisdiction: Salem City, Roanoke City, Roanoke County

VTrans2040 Multimodal Transportation Plan (VMTP)

2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

Recommendation Details **Project Reference Number**

Short Description

Rte. 8 (Riner Rd.) Park and Ride near I-81 (Exit 114), Montgomery County

District **Local Jurisdiction**

SMART SCALE Needs Categories (Place X in all applicable boxes)

Corridor of Statewide Significance
 Regional Network
 UDAs
 Safety

Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports)

2040 CoSS Segment B2 Need M, Regional Need G

Project Status:

Recommendation Features

Type (Place X in all applicable boxes)

Highway
 Bike/Pedestrian
 Bus Transit
 Rail Transit
 Freight Rail
 Travel Demand Management

Detailed Description of Improvements

Develop a Park and Ride at Rte. 8 (Riner Rd.) of up to 200 spaces to promote modal choice and accessibility.

Potential Funding Sources

(Place X in all applicable boxes)

SMART SCALE
 TAP
 CMAQ
 HSIP
 Prescoping
 Other:

Estimated Project Cost (in \$M)

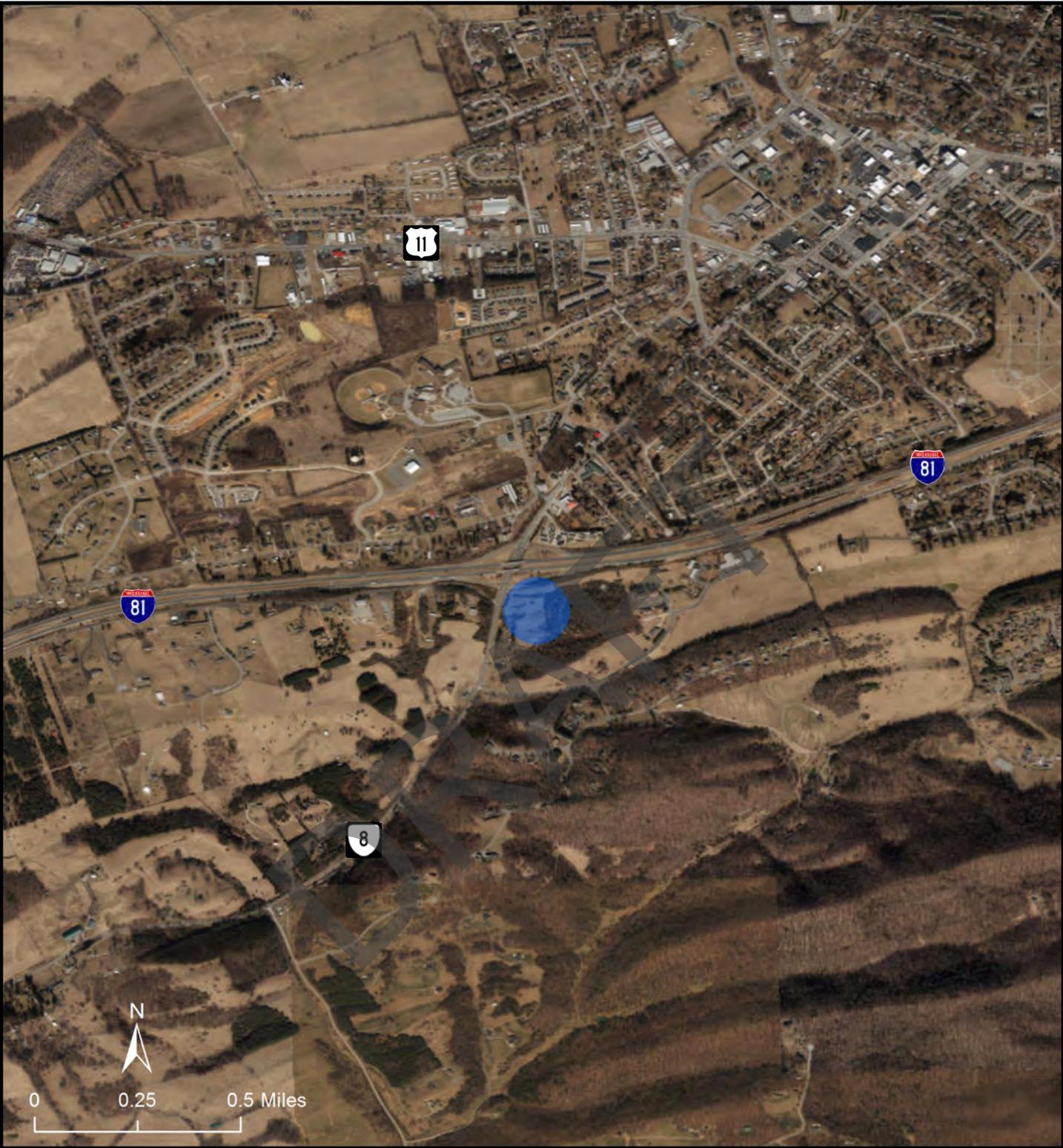
Right of Way Required for Project

If Applicable: Smart Scale Project Feasibility

Based on Qualitative Review of Project

Comments

Safety	Project does not improve safety.
Congestion Mitigation	Decrease in VMT
Accessibility	Improves accessibility with the increase in mode choice.
Land Use	No anticipated support for in-fill adjacent to project.
Environment	Reduced environmental impact from reduction in VMT
Economic Development	Reduction in VMT increases reliability.



Project Reference Number: SA12
Short Project Description: Rte. 8 (Riner Rd.) Park and Ride near I-81 (Exit 114)

VDOT District: Salem
Local Jurisdiction: Montgomery County

VTrans2040 Multimodal Transportation Plan (VMTP)

2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

Recommendation Details **Project Reference Number**

Short Description

District **Local Jurisdiction**

SMART SCALE Needs Categories (Place X in all applicable boxes)

Corridor of Statewide Significance Regional Network UDAs Safety

Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports)

Project Status:

Recommendation Features

Type (Place X in all applicable boxes)

Highway Bike/Pedestrian Bus Transit Rail Transit Freight Rail Travel Demand Management

Detailed Description of Improvements

Potential Funding Sources

(Place X in all applicable boxes)

SMART SCALE TAP CMAQ HSIP Prescoping Other:

Estimated Project Cost (in \$M)

Right of Way Required for Project

If Applicable: Smart Scale Project Feasibility

Based on Qualitative Review of Project

	Comments
Safety	NA
Congestion Mitigation	NA
Accessibility	NA
Land Use	NA
Environment	NA
Economic Development	NA

VTrans2040 Multimodal Transportation Plan (VMTP)

2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

Recommendation Details **Project Reference Number**

Short Description

Study sidewalk and pedestrian ramp improvements along transit routes in Roanoke City

District **Local Jurisdiction**

SMART SCALE Needs Categories (Place X in all applicable boxes)

Corridor of Statewide Significance
 Regional Network
 UDAs
 Safety

Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports)

Roanoke Regional Network Need A

Project Status:

Recommendation Features

Type (Place X in all applicable boxes)

Highway
 Bike/Pedestrian
 Bus Transit
 Rail Transit
 Freight Rail
 Travel Demand Management

Detailed Description of Improvements

Produce a study to determine to necessary sidewalk and pedestrian improvements along transit routes within the City of Roanoke to improve accessibility.

Potential Funding Sources

(Place X in all applicable boxes)

SMART SCALE
 TAP
 CMAQ
 HSIP
 Prescoping
 Other:

Estimated Project Cost (in \$M)
 Right of Way Required for Project

If Applicable: Smart Scale Project Feasibility

Based on Qualitative Review of Project

	Comments
Safety	NA
Congestion Mitigation	NA
Accessibility	NA
Land Use	NA
Environment	NA
Economic Development	NA

VTrans2040 Multimodal Transportation Plan (VMTP)

2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

Recommendation Details **Project Reference Number**

Short Description

District **Local Jurisdiction**

SMART SCALE Needs Categories (Place X in all applicable boxes)

Corridor of Statewide Significance Regional Network UDAs Safety

Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports)

Project Status:

Recommendation Features

Type (Place X in all applicable boxes)

Highway Bike/Pedestrian Bus Transit Rail Transit Freight Rail Travel Demand Management

Detailed Description of Improvements

Potential Funding Sources

(Place X in all applicable boxes)

SMART SCALE TAP CMAQ HSIP Prescoping Other:

Estimated Project Cost (in \$M)

Right of Way Required for Project

If Applicable: Smart Scale Project Feasibility

Based on Qualitative Review of Project

	Comments
Safety	NA
Congestion Mitigation	NA
Accessibility	NA
Land Use	NA
Environment	NA
Economic Development	NA

VTrans2040 Multimodal Transportation Plan (VMTP)

2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

Recommendation Details **Project Reference Number**

Short Description

District **Local Jurisdiction**

SMART SCALE Needs Categories (Place X in all applicable boxes)

Corridor of Statewide Significance Regional Network UDAs Safety

Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports)

Project Status:

Recommendation Features

Type (Place X in all applicable boxes)

Highway Bike/Pedestrian Bus Transit Rail Transit Freight Rail Travel Demand Management

Detailed Description of Improvements

Potential Funding Sources

(Place X in all applicable boxes)

SMART SCALE TAP CMAQ HSIP Prescoping Other:

Estimated Project Cost (in \$M)

Right of Way Required for Project

If Applicable: Smart Scale Project Feasibility

Based on Qualitative Review of Project

Comments

Safety	Reduction in conflict locations and crashes increases reliability and reduces congestion
Congestion Mitigation	Reduction in congestion from increased reliability
Accessibility	Accessibility increase from decrease in congestion and increase in reliability
Land Use	Increased safety and reliability would promote in-fill of adjacent mixed-use properties.
Environment	Reduction in congestion results in reduced delay and environmental impacts
Economic Development	Increase in reliability will be beneficial for economic development



Project Reference Number: SA16

Short Project Description: Access management improvements on US 460/US 11 west of the City of Roanoke to Christiansburg, Montgomery County

VDOT District: Salem

Local Jurisdictions: Roanoke County, Montgomery County, Town of Christiansburg

VTrans2040 Multimodal Transportation Plan (VMTP)

2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

Recommendation Details

Project Reference Number

SA17

Short Description

Multi-jurisdictional communication and coordination incident management plan for I-81 corridor within the Salem District, Multi-jurisdictional

District

Salem

Local Jurisdiction

Multiple

SMART SCALE Needs Categories (Place X in all applicable boxes)

Corridor of Statewide Significance Regional Network UDAs Safety

Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports)

CoSS Needs 28, 29, 30, 31, 35, 36, 43, 44, 45, 48, 60; Roanoke Regional Network Need B; New River Valley Regional Network Need A; UDAS 55, 97

Project Status:

New, unique recommendation

Recommendation Features

Type (Place X in all applicable boxes)

Highway Bike/Pedestrian Bus Transit Rail Transit Freight Rail Travel Demand Management

Detailed Description of Improvements

Develop a multi-jurisdictional incident coordination and communication plan for the I-81 corridor in the Salem District to include VDOT, locality representatives and emergency response stakeholders.

Potential Funding Sources

(Place X in all applicable boxes)

SMART SCALE TAP CMAQ HSIP Prescoping Other: TBD

Estimated Project Cost (in \$M) TBD

Right of Way Required for Project

If Applicable: Smart Scale Project Feasibility

Based on Qualitative Review of Project

Comments

Safety	NA
Congestion Mitigation	NA
Accessibility	NA
Land Use	NA
Environment	NA
Economic Development	NA

VTrans2040 Multimodal Transportation Plan (VMTP)

2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

Recommendation Details **Project Reference Number**

Short Description

District **Local Jurisdiction**

SMART SCALE Needs Categories (Place X in all applicable boxes)

Corridor of Statewide Significance Regional Network UDAs Safety

Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports)

Project Status:

Recommendation Features

Type (Place X in all applicable boxes)

Highway Bike/Pedestrian Bus Transit Rail Transit Freight Rail Travel Demand Management

Detailed Description of Improvements

Potential Funding Sources

(Place X in all applicable boxes)

SMART SCALE TAP CMAQ HSIP Prescoping Other:

Estimated Project Cost (in \$M)

Right of Way Required for Project

If Applicable: Smart Scale Project Feasibility

Based on Qualitative Review of Project

	Comments
Safety	NA
Congestion Mitigation	NA
Accessibility	NA
Land Use	NA
Environment	NA
Economic Development	NA

VTrans2040 Multimodal Transportation Plan (VMTP)

2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

Recommendation Details **Project Reference Number** SA19

Short Description

Access management improvements in Bedford, Botetourt and Roanoke Counties

District Salem **Local Jurisdiction** Multiple

SMART SCALE Needs Categories (Place X in all applicable boxes)
 Corridor of Statewide Significance Regional Network UDAs Safety

Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports)
 Regional Network need G

Project Status: New, unique recommendation

Recommendation Features

Type (Place X in all applicable boxes)
 Highway Bike/Pedestrian Bus Transit Rail Transit Freight Rail Travel Demand Management

Detailed Description of Improvements
 Develop and implement access management projects along US 460 from the Roanoke City/County line to the Bedford / Campbell County line (38 miles). This is in order to improve safety and maintain the capacity and reliability of the corridor.

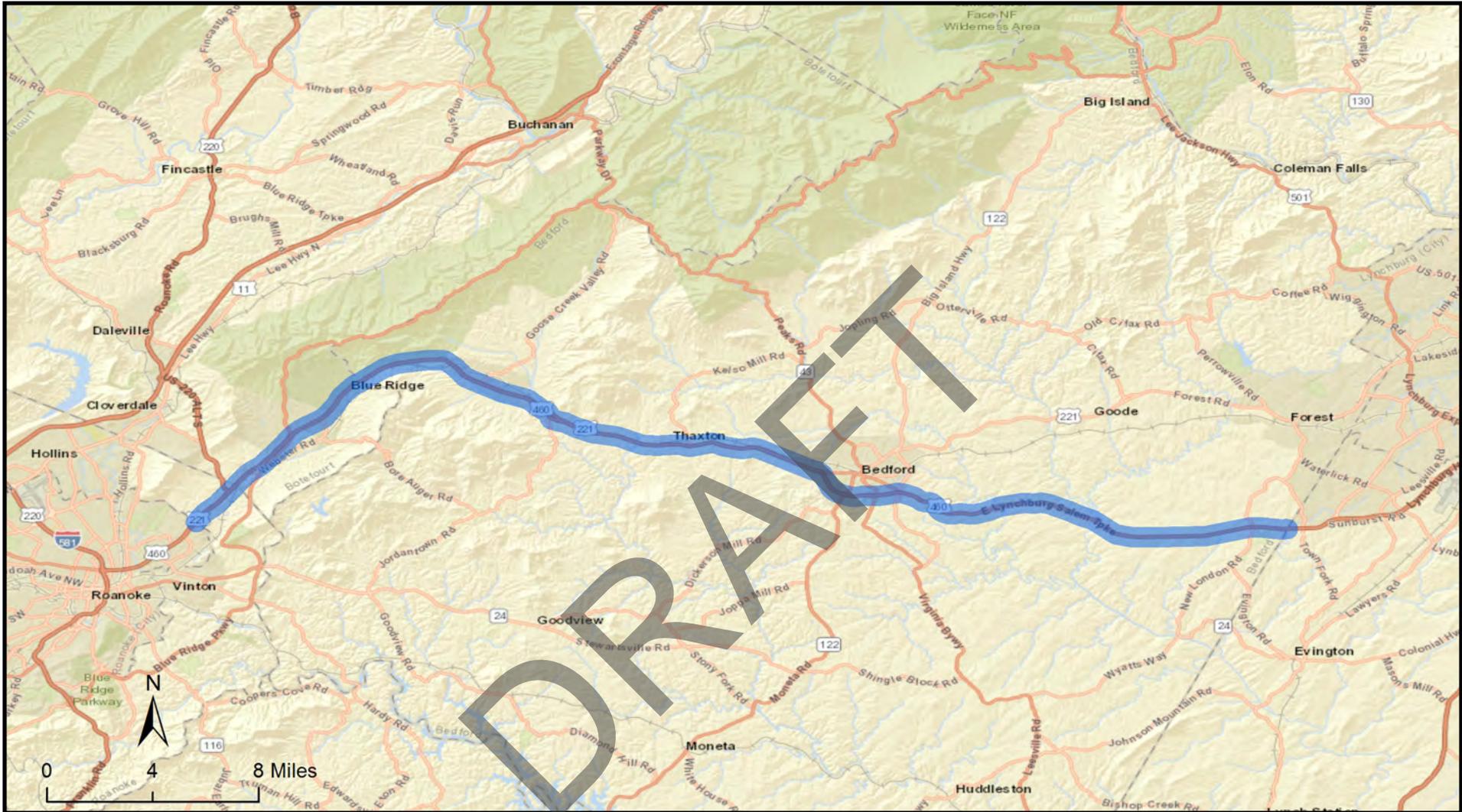
Potential Funding Sources

(Place X in all applicable boxes)
 SMART SCALE TAP CMAQ HSIP Prescoping Other:
 Estimated Project Cost (in \$M) \$ 38.00 Right of Way Required for Project

If Applicable: Smart Scale Project Feasibility

Based on Qualitative Review of Project

	Comments
Safety	Reduction in conflict locations and crashes increases reliability and reduces congestion
Congestion Mitigation	Reduction in congestion from increased reliability
Accessibility	Accessibility increase from decrease in congestion and increase in reliability
Land Use	Increased safety and reliability would promote in-fill of adjacent mixed-use properties.
Environment	Reduction in congestion results in reduced delay and environmental impacts
Economic Development	Increase in reliability will be beneficial for economic development



Project Reference Number: SA19

Short Project Description: Access management improvements in Bedford, Botetourt and Roanoke Counties

VDOT District: Salem

Local Jurisdictions: Bedford County, Botetourt County, Roanoke County

VTrans2040 Multimodal Transportation Plan (VMTP)

2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

Recommendation Details

Project Reference Number

SA20

Short Description

Grade separation over railroad at 13th St. & Hollins Rd City of Roanoke

District

Salem

Local Jurisdiction

Roanoke City

VMTP Need Type (Place X in all applicable boxes)

Corridor of Statewide Significance
 Regional Network
 UDAs
 Safety

Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports)

Regional: Walkable/Bikeable Places, US 460 Reliability and Bottleneck Relief - Corridor Reliability, UDA: Roanoke City

Project Status:

Current Smart Scale Round 2 application

Recommendation Features

Type (Place X in all applicable boxes)

Highway
 Bike/Pedestrian
 Bus Transit
 Rail Transit
 Freight Rail
 Travel Demand Management

Detailed Description of Improvements

Eliminate an at-grade railroad crossing by constructing a bridge over the tracks and the Lick Run stream crossing and will increase capacity in a commercial corridor, thereby, providing an enhanced connection between Route 460 (Orange Avenue) and Campbell Avenue into downtown Roanoke. The project is located just east of downtown Roanoke in an area with heavy commercial and industrial uses. Pedestrian and bicycle accommodations will be provided in both directions for the length of the project. (SMART SCALE, Phase 2 Application 1423)

Potential Funding Sources

(Place X in all applicable boxes)

SMART SCALE
 TAP
 CMAQ
 HSIP
 Prescoping
 Other:

Estimated Project Cost (in \$M)

\$ 60.00

Right of Way Required for Project

If Applicable: Smart Scale Project Feasibility

Based on Qualitative Review of Project

Comments

Safety	Increases safety by eliminating vehicle-train conflicts
Congestion Mitigation	Reduces congestion due to train crossing
Accessibility	Project includes bike/ped improvements for increased accessibility
Land Use	Project supports adjacent in-fill development
Environment	Improved bus service and congestion reductions to provide environmental benefit
Economic Development	Better reliability and capacity increases the viability of the local rail terminals



Project Reference Number: SA20
Short Project Description: Grade separation over railroad
at 13th St. & Hollins Rd

VDOT District: Salem
Local Jurisdiction: Roanoke City

VTrans2040 Multimodal Transportation Plan (VMTP)

2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

Recommendation Details

Project Reference Number

SA21

Short Description

East Main St. Widening and Accessibility Improvements - Brand Rd. to Kessler Mill Rd, City of Salem

District

Salem

Local Jurisdiction

Salem City

VMTP Need Type (Place X in all applicable boxes)

Corridor of Statewide Significance Regional Network UDAs Safety

Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports)

CoSS: E - Heartland Corridor (US 460) - Congestion & Mode Choice, Regional: 460 Reliability, Walkable/Bikeable Places, UDA: Salem City East

Project Status:

Current Smart Scale Round 2 application

Recommendation Features

Type (Place X in all applicable boxes)

Highway Bike/Pedestrian Bus Transit Rail Transit Freight Rail Travel Demand Management

Detailed Description of Improvements

Improve traffic flow and accessibility for motorists, bicyclists and pedestrians who use the 0.25-mile section of East Main Street (Route 460) in the City of Salem that provides access to the City's commercial and residential properties and the future Mason's Creek Greenway (currently under design). The existing roadway typical section provides lanes varying in width from 12 to 15 feet with a 10ft 2-way left turn lane existing mostly throughout the project limits except where a dedicated turn lanes exist for movements onto Kessler Mill Rd. A non-pedestrian/bike friendly railroad crossing and the lack of any shoulders prevents the safe use of the corridor by pedestrians and cyclist. Upgraded bus stop within project area. (SMART SCALE, Phase 2 Application 1342)

Potential Funding Sources

(Place X in all applicable boxes)

SMART SCALE TAP CMAQ HSIP Prescoping Other: _____

Estimated Project Cost (in \$M)

\$ 11.50

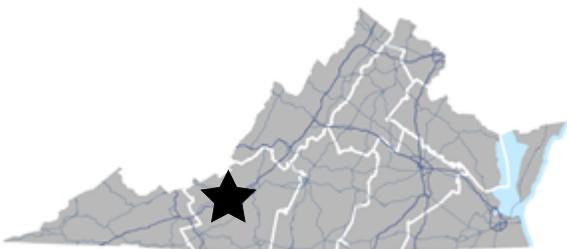
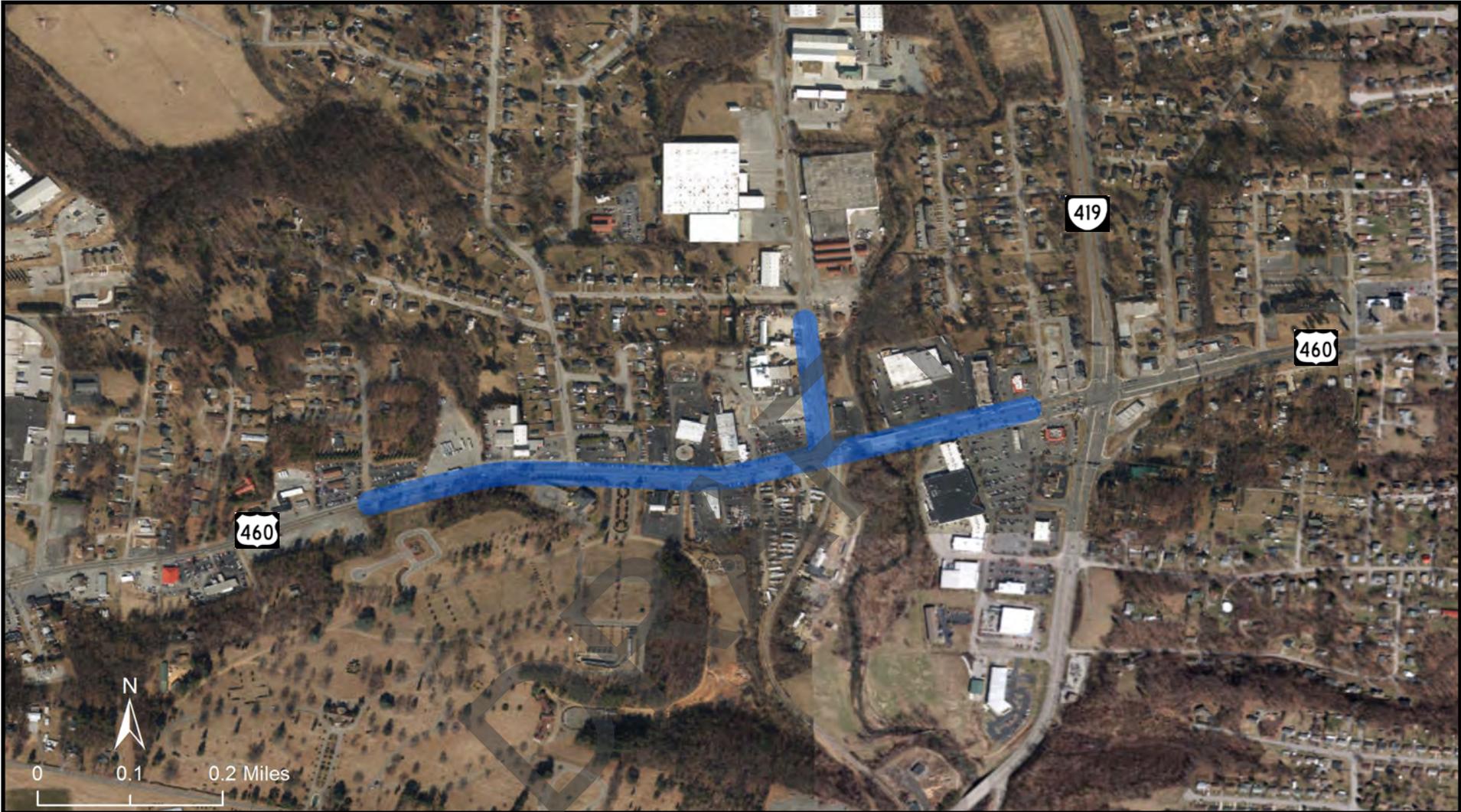
Right of Way Required for Project

If Applicable: Smart Scale Project Feasibility

Based on Qualitative Review of Project

Comments

Safety	Improved safety through better access management and dedicated bike/ped facilities
Congestion Mitigation	Reduction in congestion from better access management
Accessibility	Project includes bike/ped and bus stop improvements for increased accesibility
Land Use	Project supports adjacet in-fill and mixed-use development
Environment	Reduction in congestion reduces impact on air quality.
Economic Development	Enhances access for development in surrounding area



Project Reference Number: SA21
Short Project Description: East Main St. Widening and Accessibility Improvements - Brand Rd. to Kessler Mill Rd

VDOT District: Salem
Local Jurisdiction: Salem City

VTrans2040 Multimodal Transportation Plan (VMTP)

2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

Recommendation Details

Project Reference Number

SA22

Short Description

Mason Creek Greenway Phase 3, City of Salem

District

Salem

Local Jurisdiction

Salem City

VMTP Need Type (Place X in all applicable boxes)

Corridor of Statewide Significance Regional Network UDAs Safety

Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports)

CoSS: Heartland Corridor (US 460) - Congestion, Regional: Walkable/Bikeable Places UDA: Salem City-East Main Street

Project Status:

Current Smart Scale Round 2 application

Recommendation Features

Type (Place X in all applicable boxes)

Highway Bike/Pedestrian Bus Transit Rail Transit Freight Rail Travel Demand Management

Detailed Description of Improvements

Completes a missing link between the Hanging Rock Greenway on Kesler Mill Road and the Mason Creek Greenway along Route 419, near General Electric, by constructing a 2230' long concrete multiuse path, similar to a greenway. The project also improves transit throughout the corridor, adding bus shelters at the Goodwill and Kroger transfer point integrating transit directly into the Regional Greenway Network at this point for a truly multimodal experience. It also improves connections between the greenway network and the surrounding land uses by constructing new crosswalks and ped heads at Springfield Avenue, and by constructing around 1500 feet of sidewalk along Texas Street, linking businesses and neighborhoods into the network. (SMART SCALE, Phase 2 Application 1343)

Potential Funding Sources

(Place X in all applicable boxes)

SMART SCALE TAP CMAQ HSIP Prescoping Other: _____

Estimated Project Cost (in \$M)

\$ 2.60

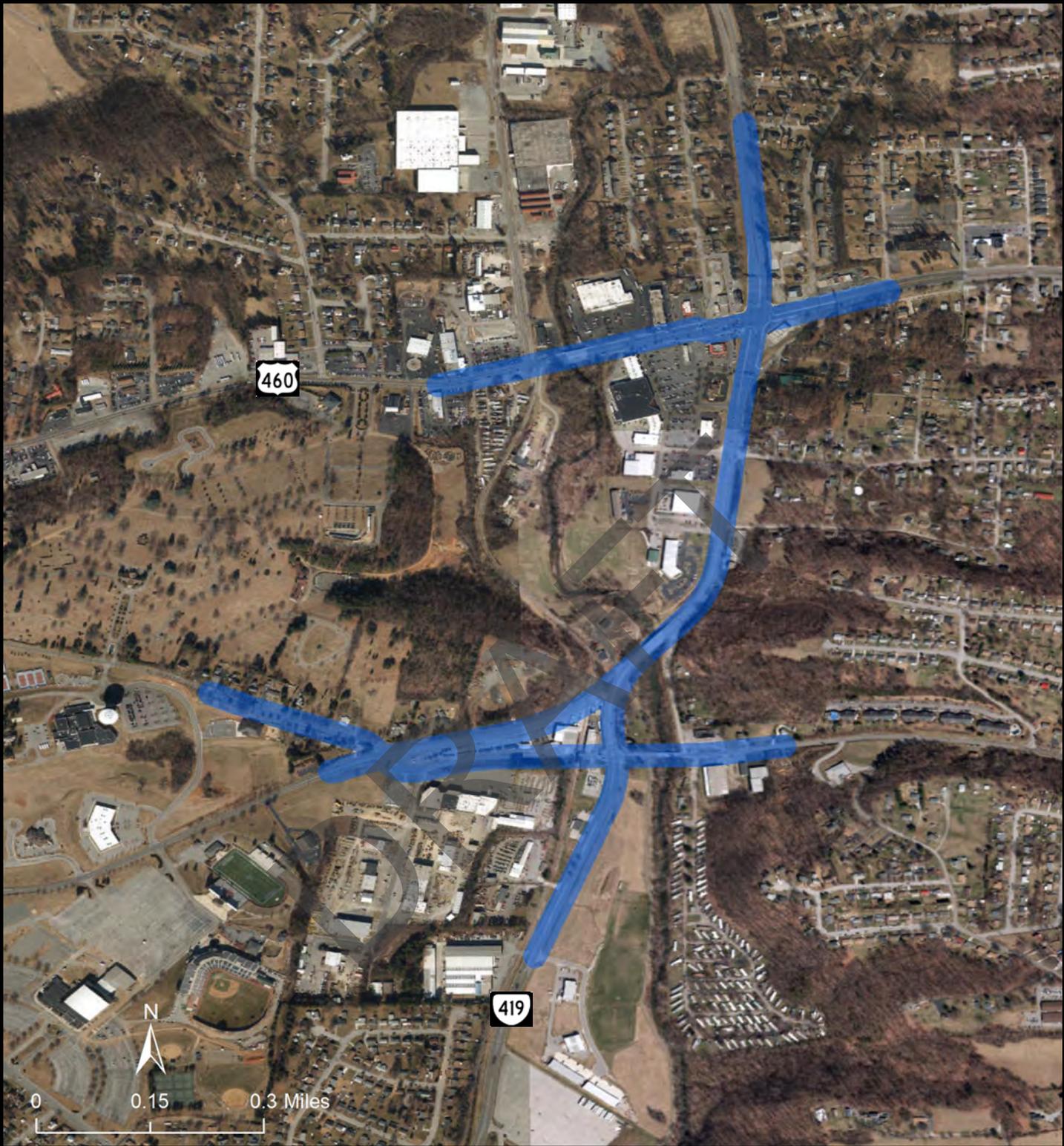
Right of Way Required for Project

If Applicable: Smart Scale Project Feasibility

Based on Qualitative Review of Project

Comments

Safety	Project does not anticipate a substantial safety improvement
Congestion Mitigation	Congestion improvement from increased transit usage
Accessibility	Increased accessibility from better connectivity
Land Use	Project supports adjacent in-fill and mixed-use development
Environment	Enhancing pedestrian access for increased transit use
Economic Development	Enhances access for development in surrounding area



Project Reference Number: SA22
Short Project Description: Mason Creek Greenway Phase 3

VDOT District: Salem
Local Jurisdiction: Salem City

VTrans2040 Multimodal Transportation Plan (VMTP)

2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

Recommendation Details

Project Reference Number

SA23

Short Description

Plantation Rd Bike, Pedestrian and Streetscape Improvements in Roanoke County

District

Salem

Local Jurisdiction

Roanoke County

VMTP Need Type (Place X in all applicable boxes)

Corridor of Statewide Significance
 Regional Network
 UDAs
 Safety

Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports)

Regional: Walkable/Bikeable Places, UDA: Roanoke County-I-81/Glenvar/Hollins

Project Status:

Current Smart Scale Round 2 application

Recommendation Features

Type (Place X in all applicable boxes)

Highway
 Bike/Pedestrian
 Bus Transit
 Rail Transit
 Freight Rail
 Travel Demand Management

Detailed Description of Improvements

Complete the Plantation Road Bicycle, Pedestrian and Streetscape Improvement Project by constructing sidewalk, curb, gutter, drainage systems and landscaping between Walrond Drive and Gander Way, on the west side of Plantation Road. Add pedestrian signals and continental crosswalks to the Gander Way/Friendship Lane traffic signal. Project would improve accessibility and connectivity to activity centers in the Hollins Area. (SMART SCALE, Phase 2 Application 1310)

Potential Funding Sources

(Place X in all applicable boxes)

SMART SCALE
 TAP
 CMAQ
 HSIP
 Prescoping
 Other:

Estimated Project Cost (in \$M)

\$ 1.75

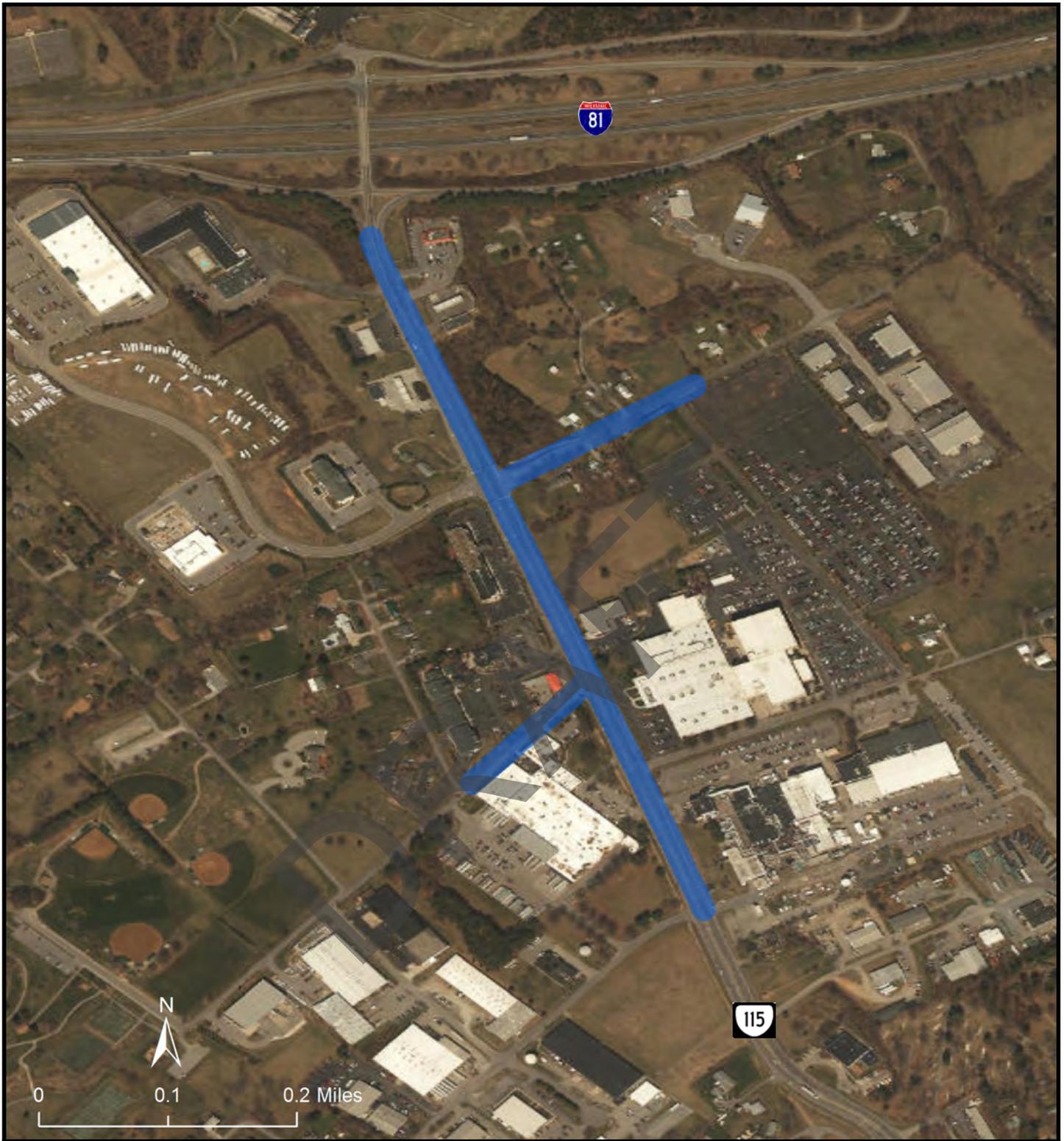
Right of Way Required for Project

If Applicable: Smart Scale Project Feasibility

Based on Qualitative Review of Project

Comments

Safety	Project does not anticipate a substantial safety improvement
Congestion Mitigation	Project does not anticipate a substantial congestion improvement
Accessibility	Accessibility increases from modal choice
Land Use	Project supports adjacent mixed-use development an in-fill
Environment	Environmental benefits from bike/ped improvements
Economic Development	Support for economic development through connectivity and accesibility



Project Reference Number: SA23
Short Project Description: Plantation Rd Bike, Pedestrian and Streetscape Improvements in Roanoke County

VDOT District: Salem
Local Jurisdiction: Roanoke County

VTrans2040 Multimodal Transportation Plan (VMTP)

2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

Recommendation Details

Project Reference Number

SA24

Short Description

Roanoke River Greenway - Blue Ridge Pkwy to Rutrough Point in Roanoke County

District

Salem

Local Jurisdiction

Roanoke County

VMTP Need Type (Place X in all applicable boxes)

Corridor of Statewide Significance
 Regional Network
 UDAs
 Safety

Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports)

Regional: Walkable/Bikeable Places UDA: Roanoke County-Route 24/116/Vinton/Mount Pleasant

Project Status:

Current Smart Scale Round 2 application

Recommendation Features

Type (Place X in all applicable boxes)

Highway
 Bike/Pedestrian
 Bus Transit
 Rail Transit
 Freight Rail
 Travel Demand Management

Detailed Description of Improvements

Construct the 1.8 mile greenway through Explore Park as a shared use path for bicyclists and pedestrians. The greenway will be constructed ten feet wide and paved to meet accessibility guidelines. This proposed section of the greenway will link residents and tourists in the urbanized areas of the Roanoke Valley with outdoor recreation amenities in rural areas including Explore Park, the Blue Ridge Parkway, and Smith Mountain Lake. (SMART SCALE, Phase 2, Application 1309)

Potential Funding Sources

(Place X in all applicable boxes)

SMART SCALE
 TAP
 CMAQ
 HSIP
 Prescoping
 Other:

Estimated Project Cost (in \$M)

\$ 3.30

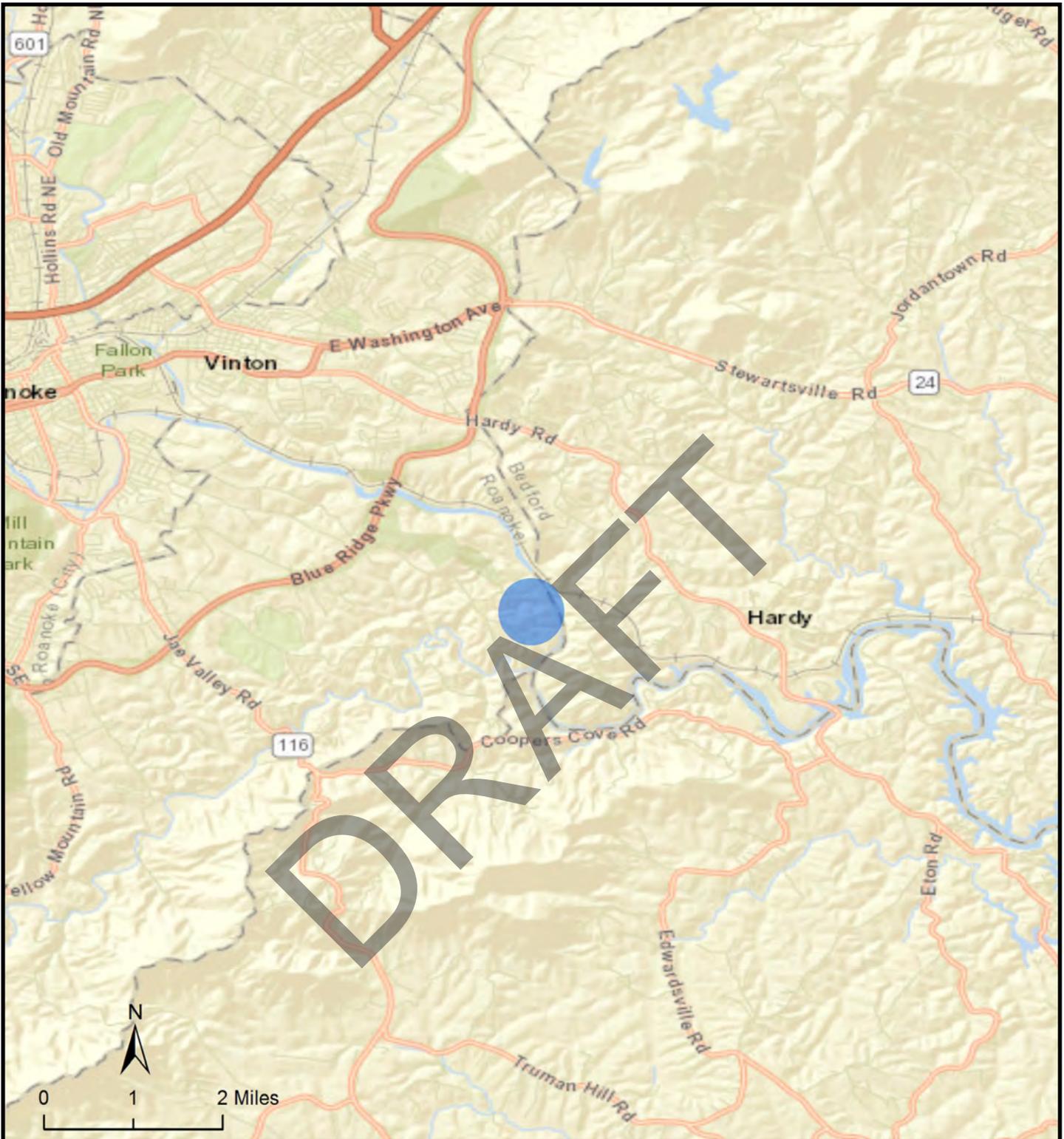
Right of Way Required for Project

If Applicable: Smart Scale Project Feasibility

Based on Qualitative Review of Project

Comments

Safety	Project does not anticipate a substantial safety improvement
Congestion Mitigation	Project does not anticipate a substantial congestion improvement
Accessibility	Accessibility increases from modal choice
Land Use	Project supports adjacent mixed-use development
Environment	Environmental benefits from bike/ped improvements
Economic Development	Support for economic development through connectivity and accessibility



Project Reference Number: SA24
Short Project Description: Roanoke River Greenway - Blue Ridge Pkwy to Rutrough Point in Roanoke County

VDOT District: Salem
Local Jurisdiction: Roanoke County

VTrans2040 Multimodal Transportation Plan (VMTP)

2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

Recommendation Details

Project Reference Number

SA25

Short Description

West Main Street Sidewalk from Salem City Limit to Technology Dr. in Roanoke County

District

Salem

Local Jurisdiction

Richmond County

VMTP Need Type (Place X in all applicable boxes)

Corridor of Statewide Significance Regional Network UDAs Safety

Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports)

CoSS:E - Heartland Corridor (US 460) - Congestion, Regional: Walkable/Bikeable Places, UDA: Roanoke County-I-81/Glenvar/Hollins

Project Status:

Current Smart Scale Round 2 application

Recommendation Features

Type (Place X in all applicable boxes)

Highway Bike/Pedestrian Bus Transit Rail Transit Freight Rail Travel Demand Management

Detailed Description of Improvements

Install sidewalk along the north side of West Main Street, from Daugherty Road to Technology Drive, within existing right of way, at back of curb. Install standard crosswalk across all secondary street intersections. Also install continental crosswalk and pedestrian signals at Alleghany Drive and Daugherty Road intersections. Install sidewalk along the south side of West Main Street from the Salem city limits to Technology Drive. This project will connect to an existing section of sidewalk along the north side of West Main Street, from Salem city limits to Daugherty Road, that was constructed during the Rt 11/460 Widening Project. New sidewalk along the south side of West Main Street will connect to existing City of Salem sidewalk. (SMART SCALE, Phase 2 Application 1312)

Potential Funding Sources

(Place X in all applicable boxes)

SMART SCALE TAP CMAQ HSIP Prescoping Other: _____

Estimated Project Cost (in \$M)

\$ 1.00

Right of Way Required for Project

If Applicable: Smart Scale Project Feasibility

Based on Qualitative Review of Project

Comments

Safety	Project does not anticipate a substantial safety improvement
Congestion Mitigation	Project does not anticipate a substantial congestion improvement
Accessibility	Increased accessibility from better connectivity
Land Use	Project supports adjacent mixed-use development
Environment	Environmental benefits from ped improvements
Economic Development	Support for economic development through connectivity and accessibility



Project Reference Number: SA25
Short Project Description: West Main Street Sidewalk from Salem City Limit to Technology Dr. in Roanoke County

VDOT District: Salem
Local Jurisdiction: Roanoke County

VTrans2040 Multimodal Transportation Plan (VMTP)

2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

Recommendation Details

Project Reference Number

SA26

Short Description

Intersection Re-alignment of 220-Bus and Rte. 40 in the Town of Rocky Mount

District

Salem

Local Jurisdiction

Franklin County

VMTP Need Type (Place X in all applicable boxes)

Corridor of Statewide Significance Regional Network UDAs Safety

Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports)

CoSS: F - North Carolina to WV Corridor (US 220) - Safety, UDA: Rocky Mount Town

Project Status:

Current Smart Scale Round 2 application

Recommendation Features

Type (Place X in all applicable boxes)

Highway Bike/Pedestrian Bus Transit Rail Transit Freight Rail Travel Demand Management

Detailed Description of Improvements

Reconcile the offset intersection of the two busiest locally-maintained roads bisecting the Town, US Highway 220 Business and State Route 40. The offset nature of the intersection creates confusion and safety hazards for a large number of vehicles travelling the two major town-maintained roads within town limits. Like many roads in our part of the state, this intersection has developed in a somewhat piecemeal fashion over the past several decades due to its close proximity to industrial sites, commercial corridors and residential neighborhoods, and due to the traffic flow complications created by the adjacent and nearby railroad bridges and railway road crossings. (SMART SCALE, Phase 2 Application 1332)

Potential Funding Sources

(Place X in all applicable boxes)

SMART SCALE TAP CMAQ HSIP Prescoping Other: _____

Estimated Project Cost (in \$M)

\$ 5.00

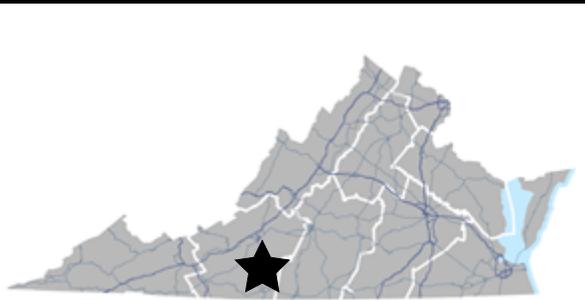
Right of Way Required for Project

If Applicable: Smart Scale Project Feasibility

Based on Qualitative Review of Project

Comments

Safety	Safety improvement from better alignment and lane use
Congestion Mitigation	Reduction in congestion from intersection re-alignment
Accessibility	Increased accessibility from better connectivity
Land Use	Project supports adjacent in-fill and mixed-use development
Environment	Environmental benefits from ped improvements
Economic Development	Support for economic development through connectivity and accessibility



Project Reference Number: SA26
Short Project Description: Intersection Re-alignment of 220-Bus and Rte. 40 in the Town of Rocky Mount

VDOT District: Salem
Local Jurisdiction: Franklin County

VTrans2040 Multimodal Transportation Plan (VMTP)

2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

Recommendation Details

Project Reference Number

SA27

Short Description

I-81 Exit 150 Park and Ride Improvement and Expansion

District

Salem

Local Jurisdiction

Botetourt County

VMTP Need Type (Place X in all applicable boxes)

Corridor of Statewide Significance Regional Network UDAs Safety

Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports)

2040 CoSS Segment B2 Need M

Project Status:

Current Smart Scale Round 2 application

Recommendation Features

Type (Place X in all applicable boxes)

Highway Bike/Pedestrian Bus Transit Rail Transit Freight Rail Travel Demand Management

Detailed Description of Improvements

The purpose of this project is to replace, expand and provide greater safety and accessibility than the existing 30 space park and ride located along Route 816. The proposed 182 space new facility will be located adjacent to the commercial development known as Botetourt Commons. The proposed Park and Ride will improve TDM strategies with the I-81 corridor. (SMART SCALE, Phase 2 Application 129)

Potential Funding Sources

(Place X in all applicable boxes)

SMART SCALE TAP CMAQ HSIP Prescoping Other: _____

Estimated Project Cost (in \$M)

\$ 7.50

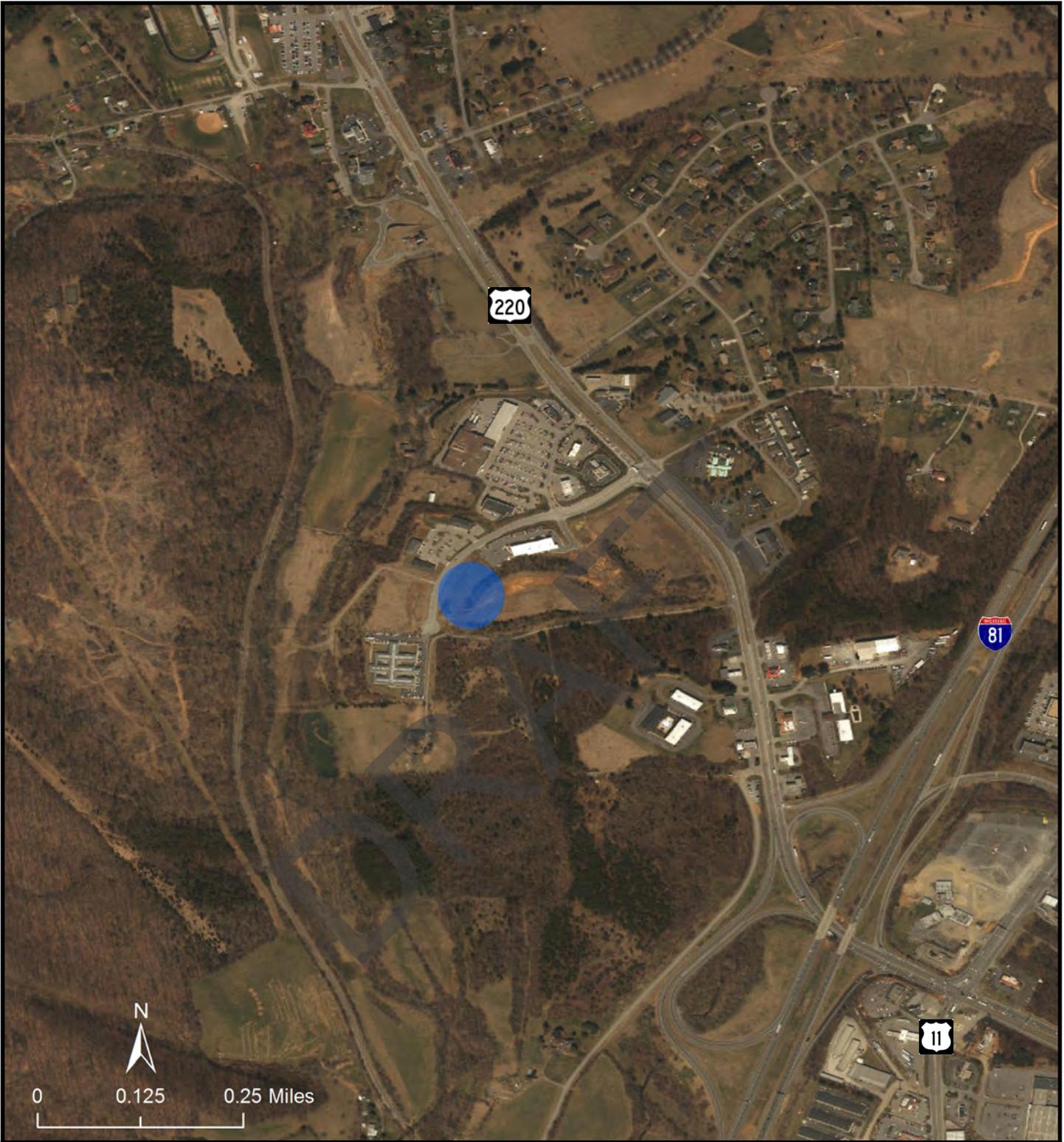
Right of Way Required for Project

If Applicable: Smart Scale Project Feasibility

Based on Qualitative Review of Project

Comments

Safety	Project does not improve safety.
Congestion Mitigation	Decrease in VMT
Accessibility	Improves accessibility with the increase in mode choice.
Land Use	Increase in modal choice and reduction of VMT
Environment	Reduced environmental impact from reduction in VMT
Economic Development	Reduction in VMT increases reliability.



Project Reference Number: SA27
Short Project Description: I-81 Exit 150 Park and Ride Improvement and Expansion

VDOT District: Salem
Local Jurisdiction: Botetourt County

VTrans2040 Multimodal Transportation Plan (VMTP)

2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

Recommendation Details

Project Reference Number

SA28

Short Description

Pepper's Ferry Road and N. Franklin St. Connector in the Town of Christiansburg

District

Salem

Local Jurisdiction

Multiple

VMTP Need Type (Place X in all applicable boxes)

Corridor of Statewide Significance Regional Network UDAs Safety

Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports)

Heartland Corridor

Project Status:

Current Smart Scale Round 2 application

Recommendation Features

Type (Place X in all applicable boxes)

Highway Bike/Pedestrian Bus Transit Rail Transit Freight Rail Travel Demand Management

Detailed Description of Improvements

New 1.4-mile highway construction of a posted 35-mph 4-lane 40-mph design, divided controlled access connector between U.S. Route 460 (N. Franklin Street) and Virginia Route 114 (Peppers Ferry Road). Construction will be two lanes with the exception of the first 1800 feet south of Peppers Ferry Road, N.W. and the first 700 feet west of N. Franklin Street being four lane. The connection to Cambria Street and Providence Boulevard will be accomplished by the use of a roundabout. (SMART SCALE, Phase 2 Application 1492)

Potential Funding Sources

(Place X in all applicable boxes)

SMART SCALE TAP CMAQ HSIP Prescoping Other: _____

Estimated Project Cost (in \$M)

\$ 24.00

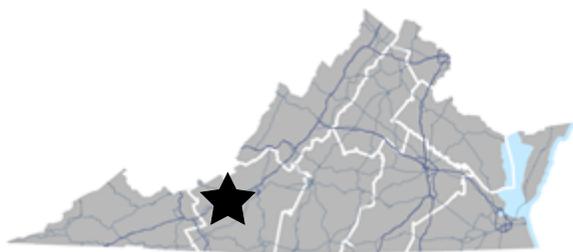
Right of Way Required for Project

If Applicable: Smart Scale Project Feasibility

Based on Qualitative Review of Project

Comments

Safety	Improve safety.
Congestion Mitigation	Alternative route for US 460 and ease congestion on that route.
Accessibility	None
Land Use	None
Environment	None
Economic Development	None



Project Reference Number: SA28
Short Project Description: Pepper's Ferry Road and N. Franklin St. Connector in the Town of Christiansburg

VDOT District: Salem
Local Jurisdictions: Montgomery County, Town of Christiansburg

VTrans2040 Multimodal Transportation Plan (VMTP)

2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

Recommendation Details

Project Reference Number

SA29

Short Description

Climbing / Auxiliary lane on SB I-81 between Exits 141 and 143

District

Salem

Local Jurisdiction

Multiple

VMTP Need Type (Place X in all applicable boxes)

Corridor of Statewide Significance Regional Network UDAs Safety

Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports)

2040 CoSS Segment B2 Needs A, 2025 Roanoke Regional Need B

Project Status:

Current Smart Scale Round 2 application

Recommendation Features

Type (Place X in all applicable boxes)

Highway Bike/Pedestrian Bus Transit Rail Transit Freight Rail Travel Demand Management

Detailed Description of Improvements

Add auxiliary lane to SB I-81 between Exit 141 and Exit 143 to reduce congestion, increase reliability and increase safety. (SMART SCALE, Phase 2 Application 1027)

Potential Funding Sources

(Place X in all applicable boxes)

SMART SCALE TAP CMAQ HSIP Prescoping Other: _____

Estimated Project Cost (in \$M)

\$ 32.20

Right of Way Required for Project

If Applicable: Smart Scale Project Feasibility

Based on Qualitative Review of Project

Comments

Safety	Reduce the conflict of speed variance between trucks and the rest of traffic
Congestion Mitigation	Reduces the hindrance of low speed climbing trucks to the rest of traffic.
Accessibility	Accessibility increase from decrease in congestion and increase in reliability
Land Use	Project would increase the efficiency of the current transportation land-use.
Environment	Project does not have a significant environmental benefit.
Economic Development	Project does not have an economic development benefit.



Project Reference Number: SA29
 Short Project Description: Climbing / Auxiliary lane on SB I-81 between Exits 141 and 143
 VDOT District: Salem
 Local Jurisdiction: Roanoke County

VTrans2040 Multimodal Transportation Plan (VMTP)

2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

Recommendation Details

Project Reference Number

SA30

Short Description

Climbing / Auxiliary lane on SB I-81 between Exits 150 and the truck scales

District

Salem

Local Jurisdiction

Multiple

VMTP Need Type (Place X in all applicable boxes)

Corridor of Statewide Significance Regional Network UDAs Safety

Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports)

2040 CoSS Segment B2 Needs A, 2025 Roanoke Regional Need B

Project Status:

Current Smart Scale Round 2 application

Recommendation Features

Type (Place X in all applicable boxes)

Highway Bike/Pedestrian Bus Transit Rail Transit Freight Rail Travel Demand Management

Detailed Description of Improvements

Construct an auxiliary lane on SB I-81 between Exit 150 and truck scales to reduce congestion, increase reliability and increase safety. (SMART SCALE, Phase 2 Application 1002)

Potential Funding Sources

(Place X in all applicable boxes)

SMART SCALE TAP CMAQ HSIP Prescoping Other: _____

Estimated Project Cost (in \$M)

\$ 21.50

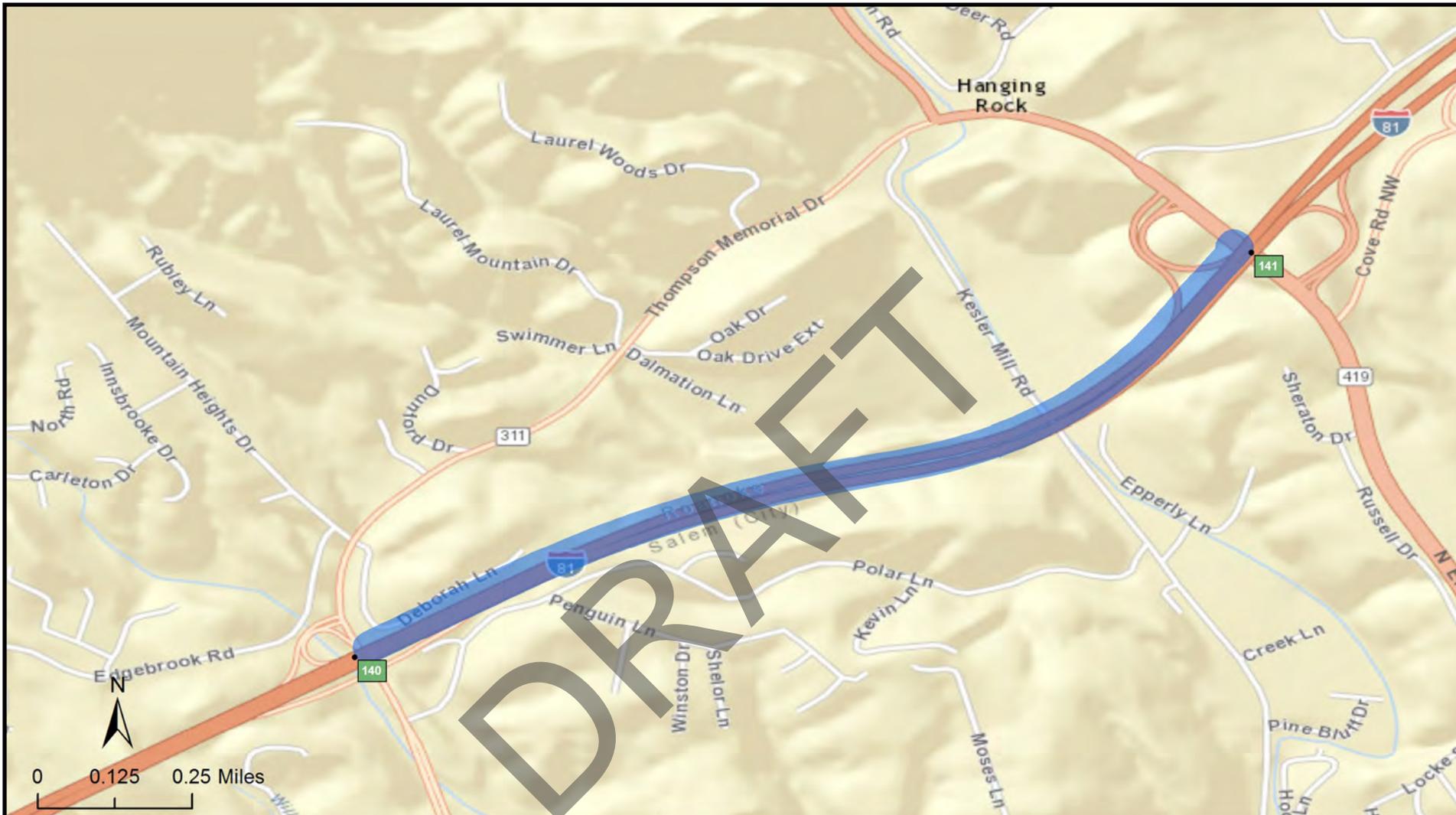
Right of Way Required for Project

If Applicable: Smart Scale Project Feasibility

Based on Qualitative Review of Project

Comments

Safety	Reduce the conflict of speed variance between trucks and the rest of traffic
Congestion Mitigation	Reduces the hindrance of low speed climbing trucks to the rest of traffic.
Accessibility	Accessibility increase from decrease in congestion and increase in reliability
Land Use	Project would increase the efficiency of the current transportation land-use.
Environment	Project does not have a significant environmental benefit.
Economic Development	Project does not have an economic development benefit.



Project Reference Number: SA30

Short Project Description: Climbing / Auxiliary lane on SB I-81 between Exits 150 and the truck scales

VDOT District: Salem

Local Jurisdiction: Botetourt County

VTrans2040 Multimodal Transportation Plan (VMTP)

2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

Recommendation Details

Project Reference Number

SA31

Short Description

Climbing / Auxiliary lane on SB I-81 between Exits 140 and 141, Roanoke County

District

Salem

Local Jurisdiction

Multiple

VMTP Need Type (Place X in all applicable boxes)

Corridor of Statewide Significance Regional Network UDAs Safety

Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports)

2040 CoSS Segment B2 Needs A, 2025 Roanoke Regional Need B

Project Status:

Current Smart Scale Round 2 application

Recommendation Features

Type (Place X in all applicable boxes)

Highway Bike/Pedestrian Bus Transit Rail Transit Freight Rail Travel Demand Management

Detailed Description of Improvements

Construct an auxiliary lane on SB I-81 between Exit 140 and Exit 141 in Roanoke County to reduce congestion, increase reliability and increase safety. (SMART SCALE, Phase 2 Application 1047)

Potential Funding Sources

(Place X in all applicable boxes)

SMART SCALE TAP CMAQ HSIP Prescoping Other: _____

Estimated Project Cost (in \$M)

\$ 14.80

Right of Way Required for Project

If Applicable: Smart Scale Project Feasibility

Based on Qualitative Review of Project

Comments

Safety	Reduce the conflict of speed variance between trucks and the rest of traffic
Congestion Mitigation	Reduces the hindrance of low speed climbing trucks to the rest of traffic.
Accessibility	Accessibility increase from decrease in congestion and increase in reliability
Land Use	Project would increase the efficiency of the current transportation land-use.
Environment	Project does not have a significant environmental benefit.
Economic Development	Project does not have an economic development benefit.

VTrans2040 Multimodal Transportation Plan (VMTP)

2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

Recommendation Details

Project Reference Number

SA32

Short Description

Climbing / Auxiliary lane on NB I-81 between Exits 140 and 141

District

Salem

Local Jurisdiction

Multiple

VMTP Need Type (Place X in all applicable boxes)

Corridor of Statewide Significance Regional Network UDAs Safety

Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports)

2040 CoSS Segment B2 Needs A, 2025 Roanoke Regional Need B

Project Status:

Current Smart Scale Round 2 application

Recommendation Features

Type (Place X in all applicable boxes)

Highway Bike/Pedestrian Bus Transit Rail Transit Freight Rail Travel Demand Management

Detailed Description of Improvements

Construct an auxiliary lane on NB I-81 between Exit 140 and 141 to reduce congestion, increase reliability and increase safety. (SMART SCALE, Phase 2 Application 1039)

Potential Funding Sources

(Place X in all applicable boxes)

SMART SCALE TAP CMAQ HSIP Prescoping Other: _____

Estimated Project Cost (in \$M)

\$ 16.00

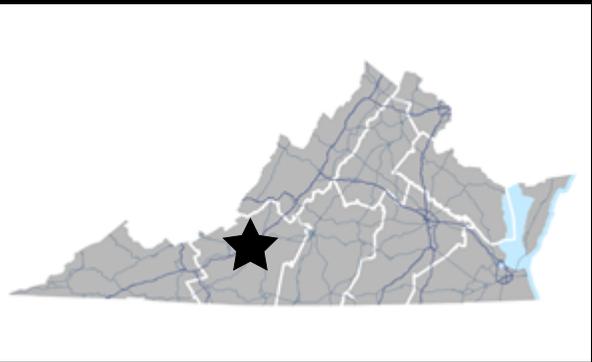
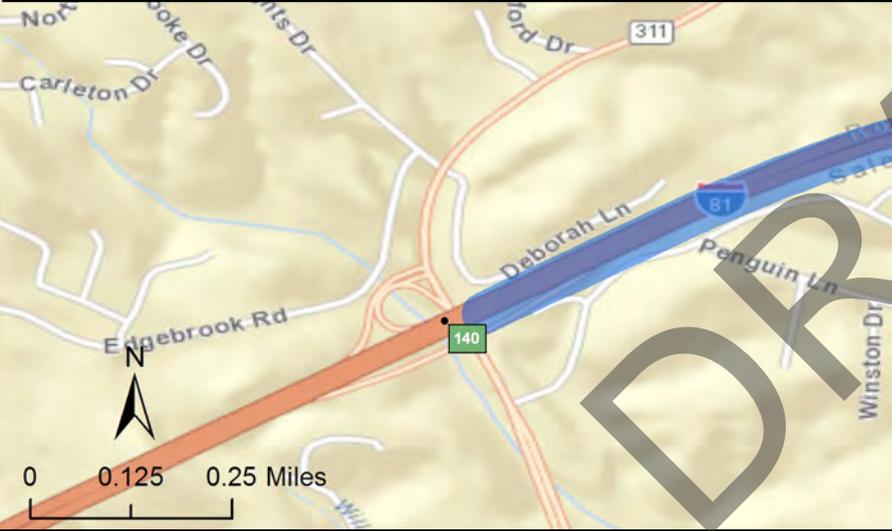
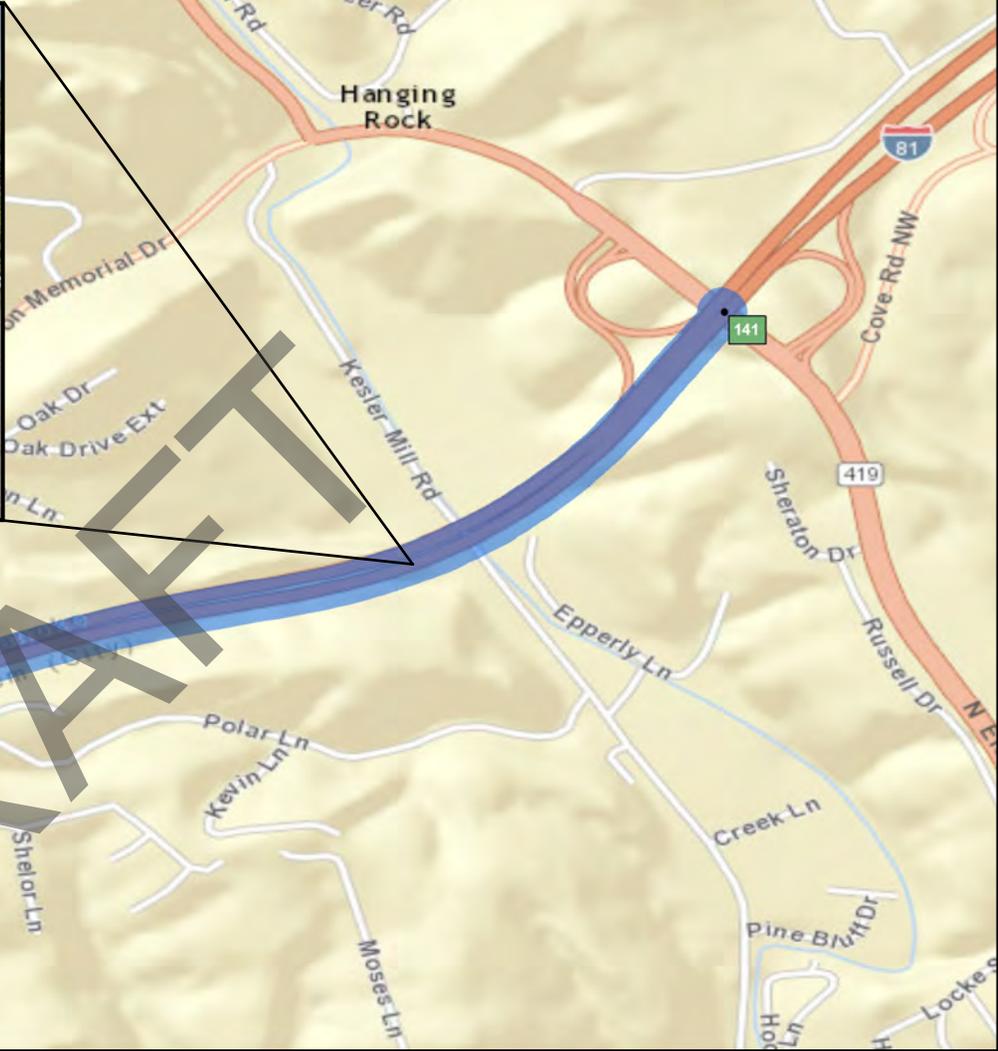
Right of Way Required for Project

If Applicable: Smart Scale Project Feasibility

Based on Qualitative Review of Project

Comments

Safety	Reduce the conflict of speed variance between trucks and the rest of traffic
Congestion Mitigation	Reduces the hindrance of low speed climbing trucks to the rest of traffic.
Accessibility	Accessibility increase from decrease in congestion and increase in reliability
Land Use	Project would increase the efficiency of the current transportation land-use.
Environment	Project does not have a significant environmental benefit.
Economic Development	Project does not have an economic development benefit.



Project Reference Number: SA32
Short Project Description: Climbing / Auxiliary lane on NB I-81 between Exits 140 and 141
VDOT District: Salem
Local Jurisdiction: Roanoke County

VTrans2040 Multimodal Transportation Plan (VMTP)

2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

Recommendation Details

Project Reference Number

SA33

Short Description

Rte. 221 Widening to 4 Lanes from Rte. 752 to Rte. 688 in Roanoke County

District

Salem

Local Jurisdiction

Roanoke County

VMTP Need Type (Place X in all applicable boxes)

Corridor of Statewide Significance
 Regional Network
 UDAs
 Safety

Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports)

Project Status:

Currently within a Transit Development Plan, VDOT, DRPT, transit provider, MPO, PDC, or other local plan

Recommendation Features

Type (Place X in all applicable boxes)

Highway
 Bike/Pedestrian
 Bus Transit
 Rail Transit
 Freight Rail
 Travel Demand Management

Detailed Description of Improvements

Widen Rte. 221 from 2 lanes to 4 lanes from Rte. 752 to Rte. 688 in Roanoke County. **Awaiting additional information prior to finalizing project recommendation.**

Potential Funding Sources

(Place X in all applicable boxes)

SMART SCALE
 TAP
 CMAQ
 HSIP
 Prescoping
 Other: _____

Estimated Project Cost (in \$M)

TBD

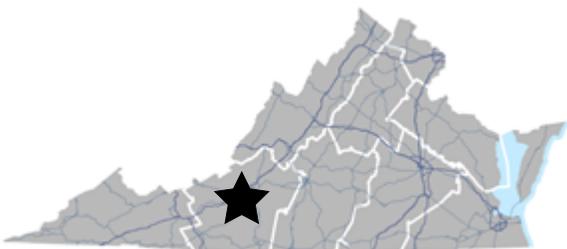
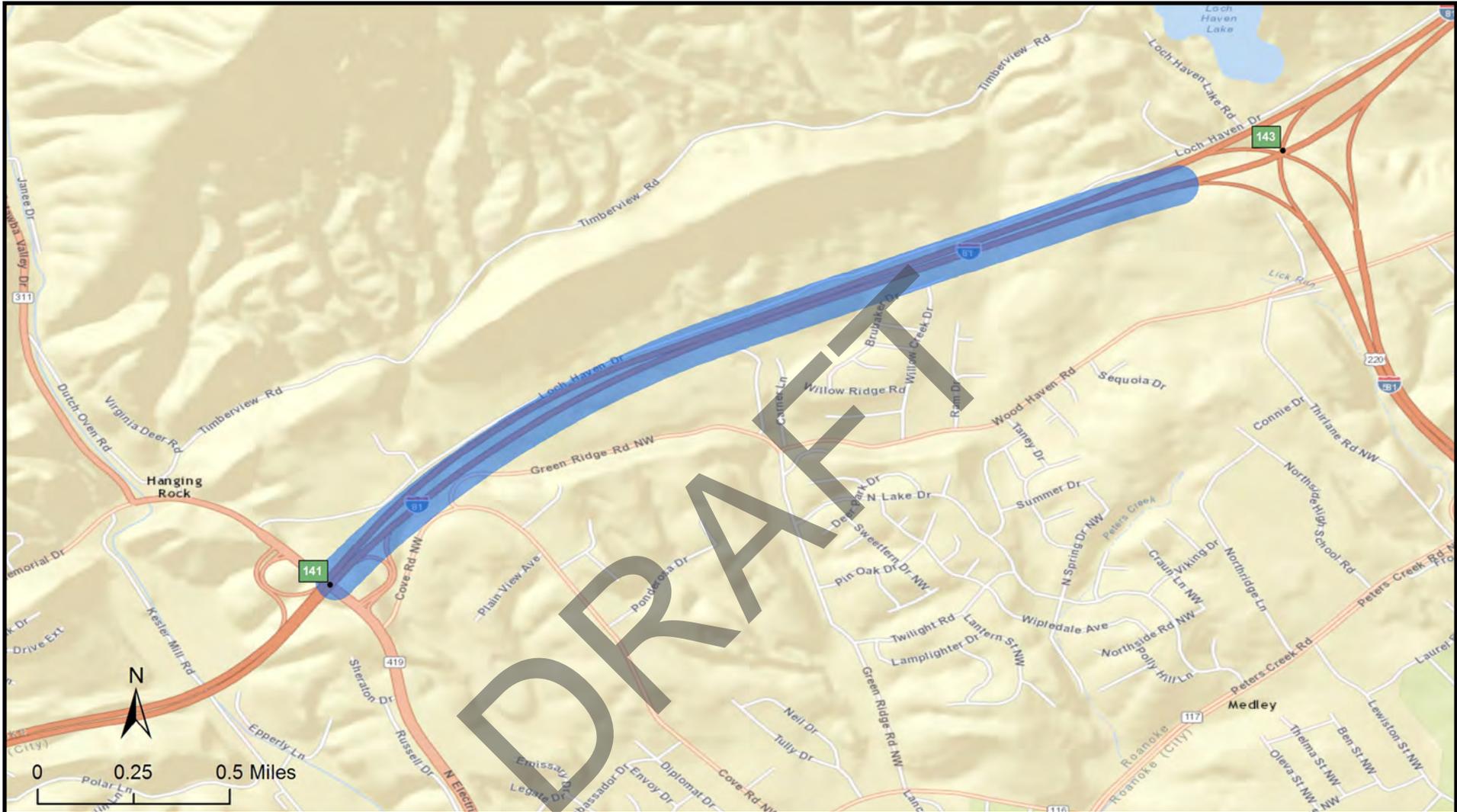
Right of Way Required for Project

If Applicable: Smart Scale Project Feasibility

Based on Qualitative Review of Project

Comments

Safety	NA
Congestion Mitigation	NA
Accessibility	NA
Land Use	NA
Environment	NA
Economic Development	NA



Project Reference Number: SA33

Short Project Description: Rte. 221 Widening to 4 Lanes from Rte. 752 to Rte. 688 in Roanoke County

VDOT District: Salem

Local Jurisdiction: Roanoke County

VTrans2040 Multimodal Transportation Plan (VMTP)

2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

Recommendation Details

Project Reference Number

SA34

Short Description

Feasibility study of passenger rail from Roanoke to Blacksburg

District

Salem

Local Jurisdiction

Multiple

VMTP Need Type (Place X in all applicable boxes)

Corridor of Statewide Significance
 Regional Network
 UDAs
 Safety

Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports)

Project Status:

Recommendation Features

Type (Place X in all applicable boxes)

Highway
 Bike/Pedestrian
 Bus Transit
 Rail Transit
 Freight Rail
 Travel Demand Management

Detailed Description of Improvements

Initiate a study to determine whether passenger rail should be extended from Roanoke to Blacksburg.

Potential Funding Sources

(Place X in all applicable boxes)

SMART SCALE
 TAP
 CMAQ
 HSIP
 Prescoping
 Other:

Estimated Project Cost (in \$M)

TBD

Right of Way Required for Project

If Applicable: Smart Scale Project Feasibility

Based on Qualitative Review of Project

Comments

Safety	NA
Congestion Mitigation	NA
Accessibility	NA
Land Use	NA
Environment	NA
Economic Development	NA



Project Reference Number: SA33
Short Project Description: Rte. 221 Widening to 4 Lanes from Rte. 752 to Rte. 688 in Roanoke County
VDOT District: Salem
Local Jurisdiction: Roanoke County

VTrans2040 Multimodal Transportation Plan (VMTP)

2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

Recommendation Details **Project Reference Number**

Short Description

District **Local Jurisdiction**

SMART SCALE Needs Categories (Place X in all applicable boxes)

Corridor of Statewide Significance Regional Network UDAs Safety

Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports)

Project Status:

Recommendation Features

Type (Place X in all applicable boxes)

Highway Bike/Pedestrian Bus Transit Rail Transit Freight Rail Travel Demand Management

Detailed Description of Improvements

Develop and implement access management projects along US 220 in from the Roanoke/Franklin County line to the Henry County / North Carolina line (approximately 40 miles). This is in order to improve safety and maintain the capacity and reliability of the corridor.

Potential Funding Sources

(Place X in all applicable boxes)

SMART SCALE TAP CMAQ HSIP Prescoping Other:

Estimated Project Cost (in \$M)

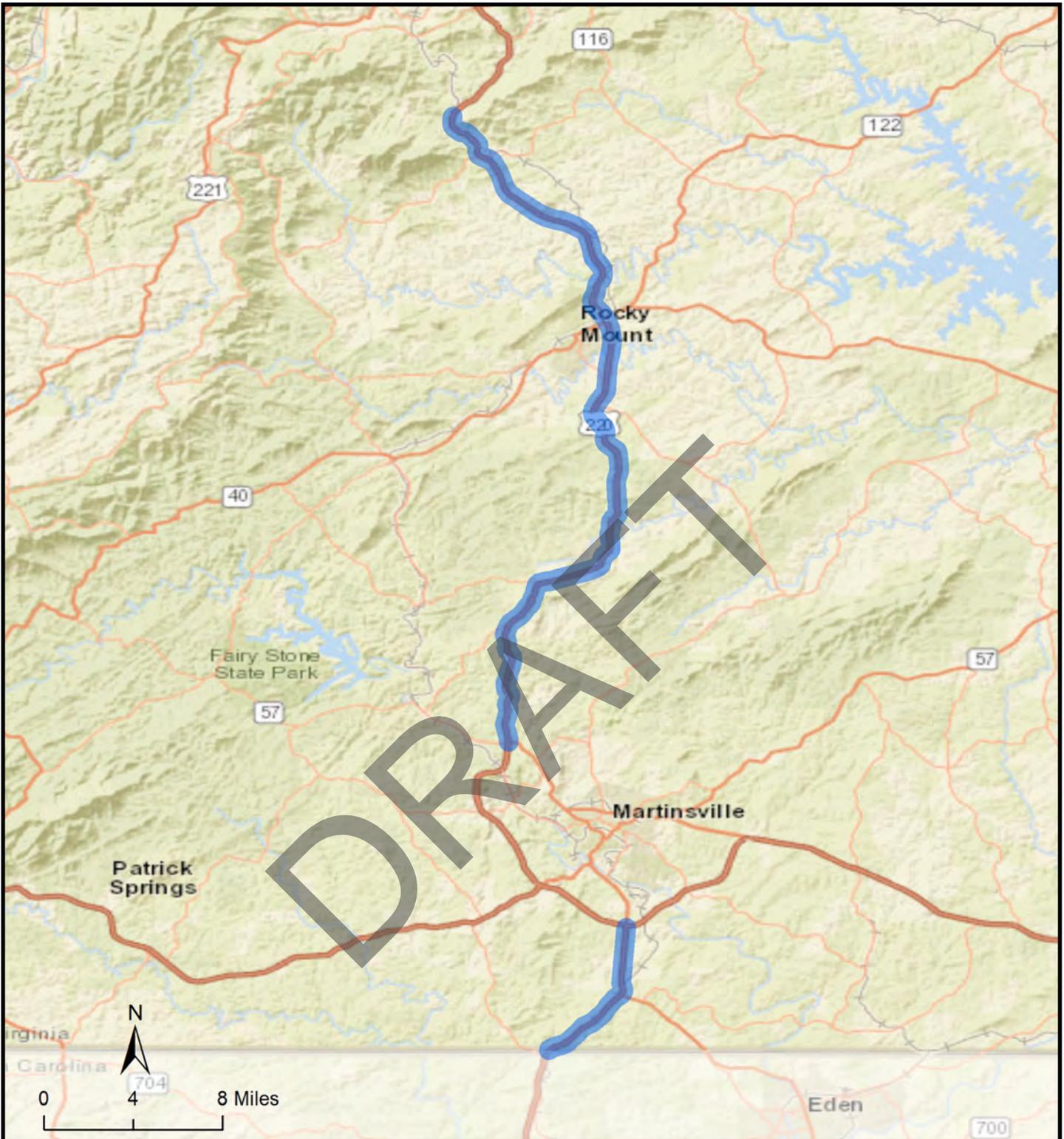
Right of Way Required for Project

If Applicable: Smart Scale Project Feasibility

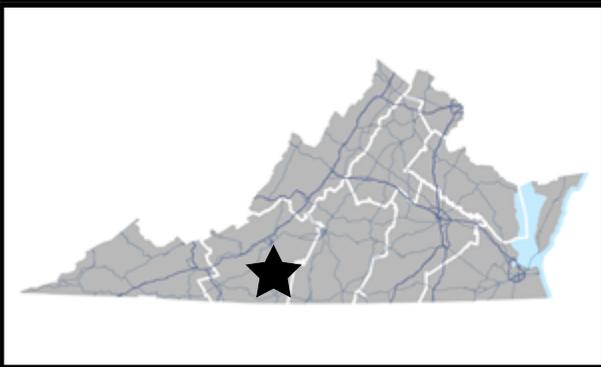
Based on Qualitative Review of Project

Comments

Safety	Reduction in conflict locations and crashes increases reliability and reduces congestion
Congestion Mitigation	Reduction in congestion from increased reliability
Accessibility	Accessibility increase from decrease in congestion and increase in reliability
Land Use	Increased safety and reliability would promote in-fill of adjacent mixed-use properties.
Environment	Reduction in congestion results in reduced delay and environmental impacts
Economic Development	Increase in reliability will be beneficial for economic development



DRAFT



Project Reference Number: SA35
Short Project Description: Rte. 220 Access Management Strategy in Henry and Franklin Counties

VDOT District: Salem
Local Jurisdictions: Henry County, Franklin County

VTrans2040 Multimodal Transportation Plan (VMTP)

2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

Recommendation Details **Project Reference Number**

Short Description

Roanoke River Greenway Continual Development and Improvements, Multi-jurisdictional

District **Local Jurisdiction**

SMART SCALE Needs Categories (Place X in all applicable boxes)

Corridor of Statewide Significance
 Regional Network
 UDAs
 Safety

Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports)

Regional Need A

Project Status:

Recommendation Features

Type (Place X in all applicable boxes)

Highway
 Bike/Pedestrian
 Bus Transit
 Rail Transit
 Freight Rail
 Travel Demand Management

Detailed Description of Improvements

Continue developing and improving the Roanoke River Greenway system, including sections in the RVTPO and NRVMP that are unfinished. **Awaiting additional information prior to finalizing project recommendation.**

Potential Funding Sources

(Place X in all applicable boxes)

SMART SCALE
 TAP
 CMAQ
 HSIP
 Prescoping
 Other:

Estimated Project Cost (in \$M)

Right of Way Required for Project

If Applicable: Smart Scale Project Feasibility

Based on Qualitative Review of Project

	Comments
Safety	NA
Congestion Mitigation	NA
Accessibility	NA
Land Use	NA
Environment	NA
Economic Development	NA