



# Tier 1 Recommendations October 20, 2017



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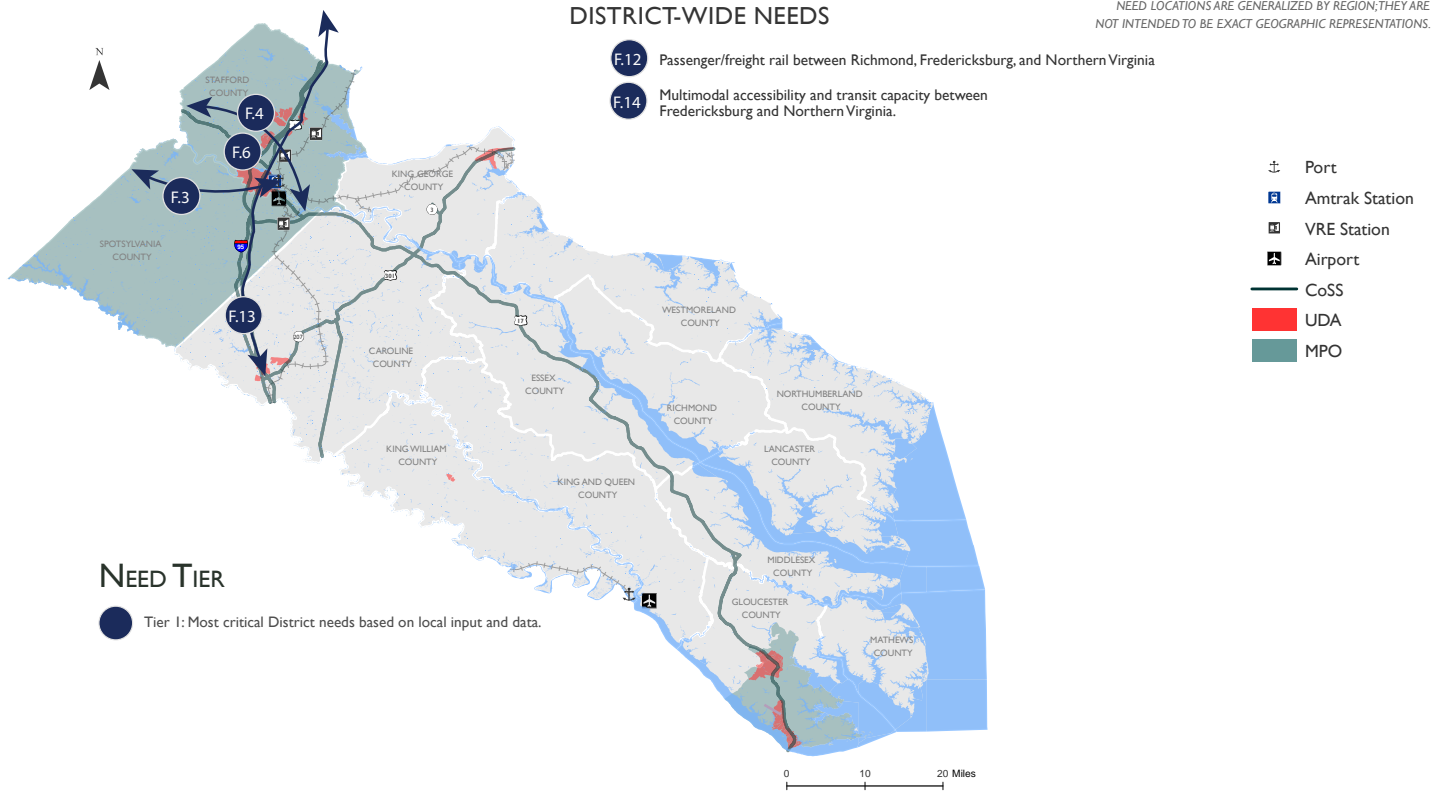


# Fredericksburg District



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# VMTP GENERALIZED MAP OF CONSOLIDATED NEEDS FREDERICKSBURG



Tier 1 District Needs	
Need	Need Description
F.3	Within FAMPO, the Route 3 corridor has network connectivity needs west of I-95 and within Fredericksburg.
F.4	Within FAMPO, the US 17 corridor has mode choice, safety, reliability, and network connectivity needs through Stafford, Fredericksburg, and Spotsylvania.
F.6	Within FAMPO, I-95/US 1 corridor in Fredericksburg has congestion, reliability, and safety needs.
F.12	Across the Fredericksburg District and cross-District, there are needs for passenger/freight rail congestion and reliability between Richmond, Fredericksburg, and Northern Virginia.
F.13	Across the Fredericksburg District and cross-District, the I-95/US 1 corridor has congestion, reliability, and safety needs from Fredericksburg to Northern Virginia.
F.14	Across the Fredericksburg District and cross-District, there are needs for improved multimodal accessibility and increased transit capacity between Fredericksburg and Northern Virginia.



Funded Projects	
Need(s)	Project Name
F.3	Route 3 Safety Improvements at I-95 Exit 130
F.3	I-95 Safety Improvements at Route 3 from Exit 130A to Cowan Boulevard
F.4	US 17/I-95 bridge to Hospital Boulevard: Replace bridge and widen US 17 (SMART SCALE 2015)
F.4	Interchange Improvements at Southbound I-95 and US 1/ US 17
F.4	US 17 reconstruction w/ added capacity from south of McLane Drive to north of Stafford Lakes Parkway
F.4	Intersection Improvements at US 17 and Route 609
F.6	Rappahannock River Crossing Southbound: Construct 2 lanes between Exits 133 and 130; reconstruction of interchange and exit ramps, reconfiguration of parking and replace bridge (SMART SCALE 2015)
F.6	Fall Hill Avenue Bridge and Approaches Reconstruction and Widening
F.6	Reconstruct traffic signal at US 1 and Route 610
F.6	Route 606 West - Widen Mudd Tavern Road from two lane undivided to four lane divided road (SMART SCALE 2015)
F.6	Construct Improvements on Route 606 east of and through the I-95 interchange at Exit 110
F.6	Intersection Reconstruction at Route 620 and US 1
F.12, F.14	VRE Brooke and Leeland Station Improvements: platform improvement, enhancements to bicycle/pedestrian access, parking expansion, and third rail (SMART SCALE 2015)
F.12	Arkendale to Powell's Creek Third Track Project and Potomac Shores Station
F.13	I-95 Improvements: Intersection Relocation at Route 630
F.13	Extension of I-95 Express Lanes to Exit 130
F.13	Stafford: US 1 at Potomac Creek Drive (add LTL, restriping) (SMART SCALE 2015)
F.13	Safety Improvements on US 1 at Woodstock Lane/Telegraph Road (SMART SCALE 2015)
F.13	US 1 Widenings (Garrisonville, BRAC)
F.13	Intersection Improvements on US 1, US 17, and Route 218
F.13	Reconstruction of I-95 Exit 140 interchange at Stafford Courthouse and Courthouse Road widening
F.14	Miscellaneous Commuter Parking Expansions: Route 3 Commuter Parking Lot Study, Lease Commuter Parking Spaces, Lot East of Exit 140 on I-95 (SmartScale2015), new Commuter Parking Lot for Rt. 1 at Commonwealth Dr. (SmartScale2015).
F.14	TDM/Vanpool/Paratransit/New Freedom Program to enhance public transportation services
F.14	Twin Lake/Kensington Bicycle and Pedestrian Connector (SMART SCALE 2015)

Project Recommendations						
ID	Tier 1 Need(s)	Project Name	Jurisdiction	Type	Cost (\$M)	Page
FRED04	F13	US 1 Intelligent Transportation System (ITS) Improvements	Multiple	Highway, TDM	\$1.53	2
FRED05	F13	I-95 Study of alternatives for capacity improvements in the direction of travel opposite that of the I-95 Express Lanes	Multiple	Highway, TDM	\$0.50	4
FRED06	F14	Transportation Facility Access Study	Multiple	Bike/ Ped, Bus Transit	\$0.50	6
FRED07	F14	Implement Recommendations from Fredericksburg VRE Station Bicycle and Pedestrian Access Study	Spotsylvania County	Bike/ Ped, Rail Transit	TBD	8
FRED08	F4, F14	VRE Spotsylvania Station Access Study	Spotsylvania County	Bike/ Ped, Rail Transit	\$0.50	10
FRED09	F3	Route 3 Corridor Park-and-Ride Study	Multiple	Bike/ Ped, Rail Transit	\$0.50	12
FRED10	F3	Route 3 Corridor Park-and-Ride Transit Access and Transportation Demand Management (TDM) Study	Multiple	Bus Transit, TDM	\$0.50	14
FRED11	F4, F14	Implementation of Priority Recommendations from the Fredericksburg Regional Transit (FRED) Transit Development Plan	Multiple	Bus Transit, TDM	TBD	16
FRED12	F6	Operational Improvements on Northbound I-95 at Rappahannock River Crossing	Multiple	Highway	TBD	18
FRED13	F4, F6	Jackson Gateway Area I-95 Improvements	Spotsylvania County	Highway	\$58.00	20
FRED14	F6	US 1 Widening and Operational Improvements	Multiple	Highway	TBD	22
FRED15	F12	Passenger Rail Service Enhancements in the I-95 Corridor	Multiple	Rail Transit	\$444.69	24
FRED16	F12	VRE System Plan 2040 Phase 1 Improvements	Multiple	Rail Transit	\$311.42	26
FRED17	F4	Implement Recommendations from Route 2/US 17-Business Corridor Study	Spotsylvania County	Highway	TBD	28



Project Recommendations						
ID	Tier 1 Need(s)	Project Name	Jurisdiction	Type	Cost (\$M)	Page
FRED18	F3	Implement Recommendations from Route 3 STARS Study	Fredericksburg City	Highway	TBD	30
FRED19	F13	Implement Recommendations of FAMPO's I-95 Corridor Study	Multiple	Highway	\$738.48	32
FRED20	F6	Implement Recommendations from US 1 STARS Study	Multiple	Highway	TBD	34
FRED21	F13	I-95 ICM Program Improvements (ITS)	Multiple	Highway	\$7.45	36
FRED22	F14	Identify Key Projects from the forthcoming I-95/I-395 Transit/TDM Study by DRPT	Multiple	Highway	TBD	38
FRED23	F14	Transportation System Management/Park-and-Ride Lots	Multiple	TDM	\$46.22	40
FRED24	F6, F13	Implement Recommendations from US 1/ Route 208 Corridor Study	Spotsylvania County	Highway	TBD	42
FRED25	F4	Implement Recommendations from US 17-Business STARS Study	Stafford County	Highway	TBD	44
FRED27	F12	Long Bridge Improvements	Multiple	Rail Transit, Freight Rail	\$800.00	46
FRED28	F12	DC2RVA: Speed and Reliability Improvements for VRE and Amtrak	Multiple	Rail Transit, Freight Rail	\$5,100	48



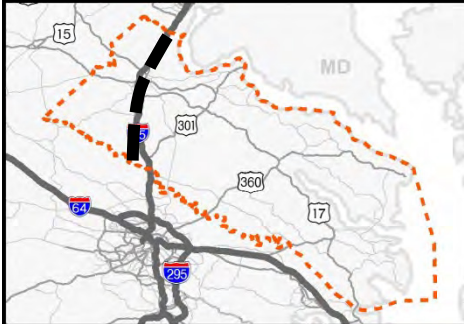
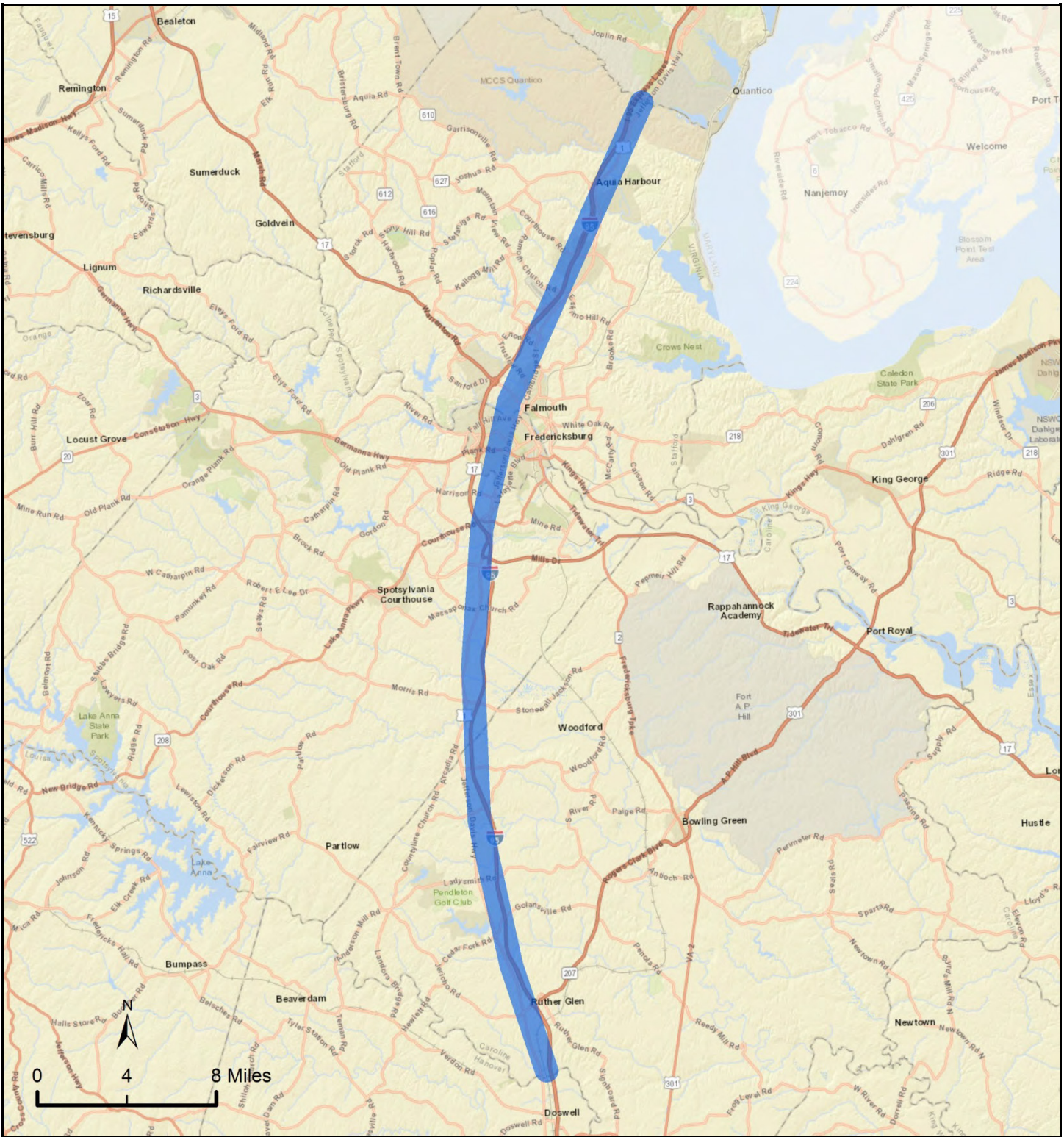


# Fredericksburg District

# Project Sheets

## VTrans2040 Multimodal Transportation Plan (VMTP) 2025 Tier 1 Recommendation Profile Based on Analysis of VMTP Needs Assessments

<b>Recommendation Details</b>	<b>Project Reference Number</b> <span style="border: 1px solid black; padding: 2px;">FRED04</span>
<b>Short Description</b> <span style="border: 1px solid black; padding: 2px;">US 1 Intelligent Transportation System (ITS) Improvements</span>	
<b>District</b> <span style="border: 1px solid black; padding: 2px;">Fredericksburg</span>	<b>Local Jurisdiction</b> <span style="border: 1px solid black; padding: 2px;">Multiple</span>
<b>VMTP Need Type</b> (Place X in all applicable boxes)	
<input checked="" type="checkbox"/> Corridor of Statewide Significance <input checked="" type="checkbox"/> Regional Network <input type="checkbox"/> UDAs <input type="checkbox"/> Safety	
<b>Needs Addressed from VMTP Needs Assessment</b> (List needs as numbered in reports) <span style="border: 1px solid black; padding: 2px;">Fredericksburg Need E; CoSS Needs K3:I, K3:K, K3:S, K3:Y, K3:AA, K3:AB, K3:AC, K3:AD, K3:AE</span>	
<b>Project Status:</b> <span style="border: 1px solid black; padding: 2px;">New, unique recommendation</span>	
<b>Recommendation Features</b>	
<i>Type</i> (Place X in all applicable boxes)	
<input checked="" type="checkbox"/> Highway <input type="checkbox"/> Bike/Pedestrian <input type="checkbox"/> Bus Transit <input type="checkbox"/> Rail Transit <input type="checkbox"/> Freight Rail <input checked="" type="checkbox"/> Travel Demand Management	
<i>Detailed Description of Improvements</i>	
<p>Project would implement ITS improvements on US 1 throughout the Fredericksburg District to improve reliability and network connectivity of US 1 as a parallel highway facility to I-95.</p> <p>Once specific project locations and improvements have been identified, ITS improvements would be eligible for SmartScale and are reviewed below as a SmartScale-ready project.</p>	
<b>Potential Funding Sources</b>	
<i>(Place X in all applicable boxes)</i>	
<input checked="" type="checkbox"/> SMART SCALE <input type="checkbox"/> TAP <input checked="" type="checkbox"/> CMAQ <input checked="" type="checkbox"/> HSIP <input type="checkbox"/> Prescoping <input checked="" type="checkbox"/> Other: <span style="border: 1px solid black; padding: 2px;">RSTP</span>	
Estimated Project Cost (in \$M)	<span style="border: 1px solid black; padding: 2px;">\$ 1.53</span> Right of Way Required for Project <input type="checkbox"/>
<b>If Applicable: Smart Scale Project Feasibility</b>	
<i>Based on Qualitative Review of Project</i>	
	<i>Comments</i>
Safety	ITS could improve reliability and emergency response in the corridor.
Congestion Mitigation	Improved network connectivity and reliability could reduce congestion.
Accessibility	Improves access between communities by addressing reliability needs of corridor.
Land Use	Improves reliability through commercial, industrial, and mixed use areas.
Environment	Reduced congestion could improve air quality.
Economic Development	Supports local and regional plans for growth in the corridor.



**Project Reference Number:** FRED04  
**Short Project Description:** US 1 Intelligent Transportation System (ITS) Improvements  
**VDOT District:** Fredericksburg  
**Local Jurisdiction:** Multiple

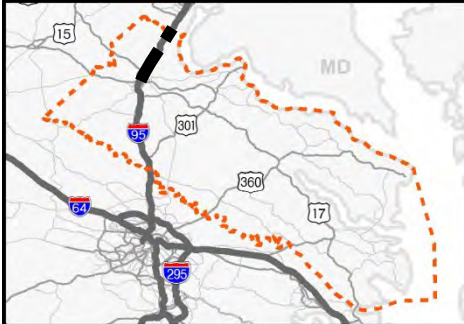
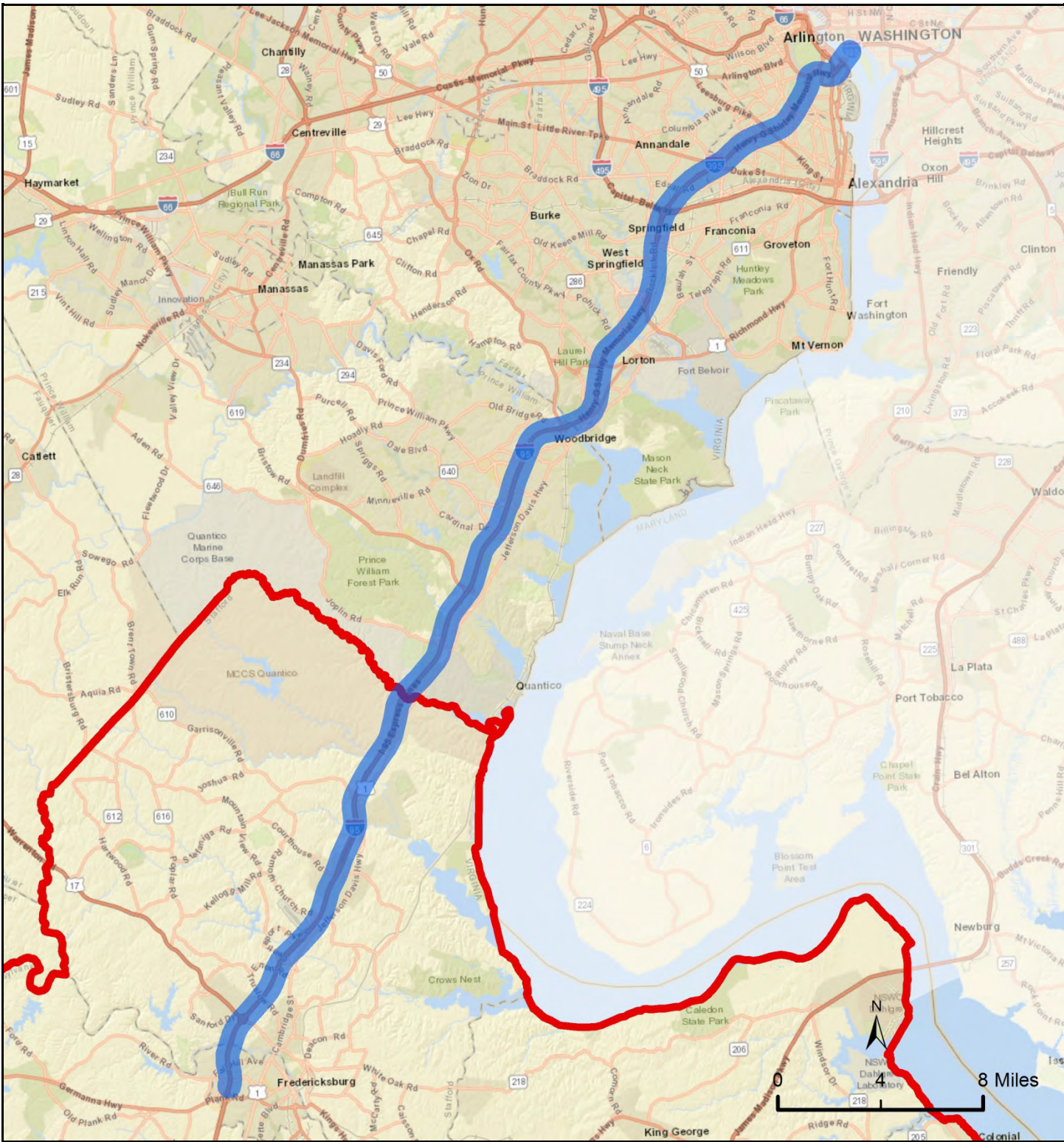
## VTrans2040 Multimodal Transportation Plan (VMTP) 2025 Tier 1 Recommendation Profile Based on Analysis of VMTP Needs Assessments

<b>Recommendation Details</b>	<b>Project Reference Number</b> <input style="width: 100%;" type="text" value="FRED05"/>
<b>Short Description</b> <input style="width: 100%;" type="text" value="I-95 Study of alternatives for capacity improvements in the direction of travel opposite that of the I-95 Express Lanes"/>	
<b>District</b> <input style="width: 100%;" type="text" value="Fredericksburg"/>	<b>Local Jurisdiction</b> <input style="width: 100%;" type="text" value="Multiple"/>
<b>VMTP Need Type</b> (Place X in all applicable boxes) <input checked="" type="checkbox"/> Corridor of Statewide Significance <input type="checkbox"/> Regional Network <input checked="" type="checkbox"/> UDAs <input type="checkbox"/> Safety	
<b>Needs Addressed from VMTP Needs Assessment</b> (List needs as numbered in reports) <input style="width: 100%;" type="text" value="CoSS Need K3:O; UDA ID 17"/>	
<b>Project Status:</b> <input style="width: 100%;" type="text" value="New, unique recommendation"/>	

<b>Recommendation Features</b> <i>Type</i> (Place X in all applicable boxes)	
<input checked="" type="checkbox"/> Highway <input type="checkbox"/> Bike/Pedestrian <input type="checkbox"/> Bus Transit <input type="checkbox"/> Rail Transit <input type="checkbox"/> Freight Rail <input checked="" type="checkbox"/> Travel Demand Management	
<i>Detailed Description of Improvements</i> <input style="width: 100%; height: 100%;" type="text" value="When the I-95 Express Lanes operate in direction of peak travel, which varies by time of day, travel in the opposite direction does not benefit and experiences heavy congestion. This study would evaluate alternatives for capacity improvements for traffic flowing in the direction opposite of the I-95 Express Lanes to relieve this congestion. Improvements recommended from this study would be eligible for SMART SCALE funding."/>	

<b>Potential Funding Sources</b> (Place X in all applicable boxes)	
<input type="checkbox"/> SMART SCALE <input type="checkbox"/> TAP <input checked="" type="checkbox"/> CMAQ <input type="checkbox"/> HSIP <input type="checkbox"/> Prescoping <input checked="" type="checkbox"/> Other: <input style="width: 100%;" type="text" value="STARS"/>	
Estimated Project Cost (in \$M) <input style="width: 100%;" type="text" value="\$ 0.50"/>	Right of Way Required for Project <input type="checkbox"/>

<b>If Applicable: Smart Scale Project Feasibility</b> Based on Qualitative Review of Project	
	<i>Comments</i>
Safety	<input style="width: 100%;" type="text" value="Study/plan not eligible for SMART SCALE."/>
Congestion Mitigation	<input style="width: 100%;" type="text" value="Study/plan not eligible for SMART SCALE."/>
Accessibility	<input style="width: 100%;" type="text" value="Study/plan not eligible for SMART SCALE."/>
Land Use	<input style="width: 100%;" type="text" value="Study/plan not eligible for SMART SCALE."/>
Environment	<input style="width: 100%;" type="text" value="Study/plan not eligible for SMART SCALE."/>
Economic Development	<input style="width: 100%;" type="text" value="Study/plan not eligible for SMART SCALE."/>



**Project Reference Number:** FRED05

**Short Project Description:** I-95 Study of Alternatives for Capacity Improvements in the Direction of Travel Opposite that of the I-95 Express Lanes

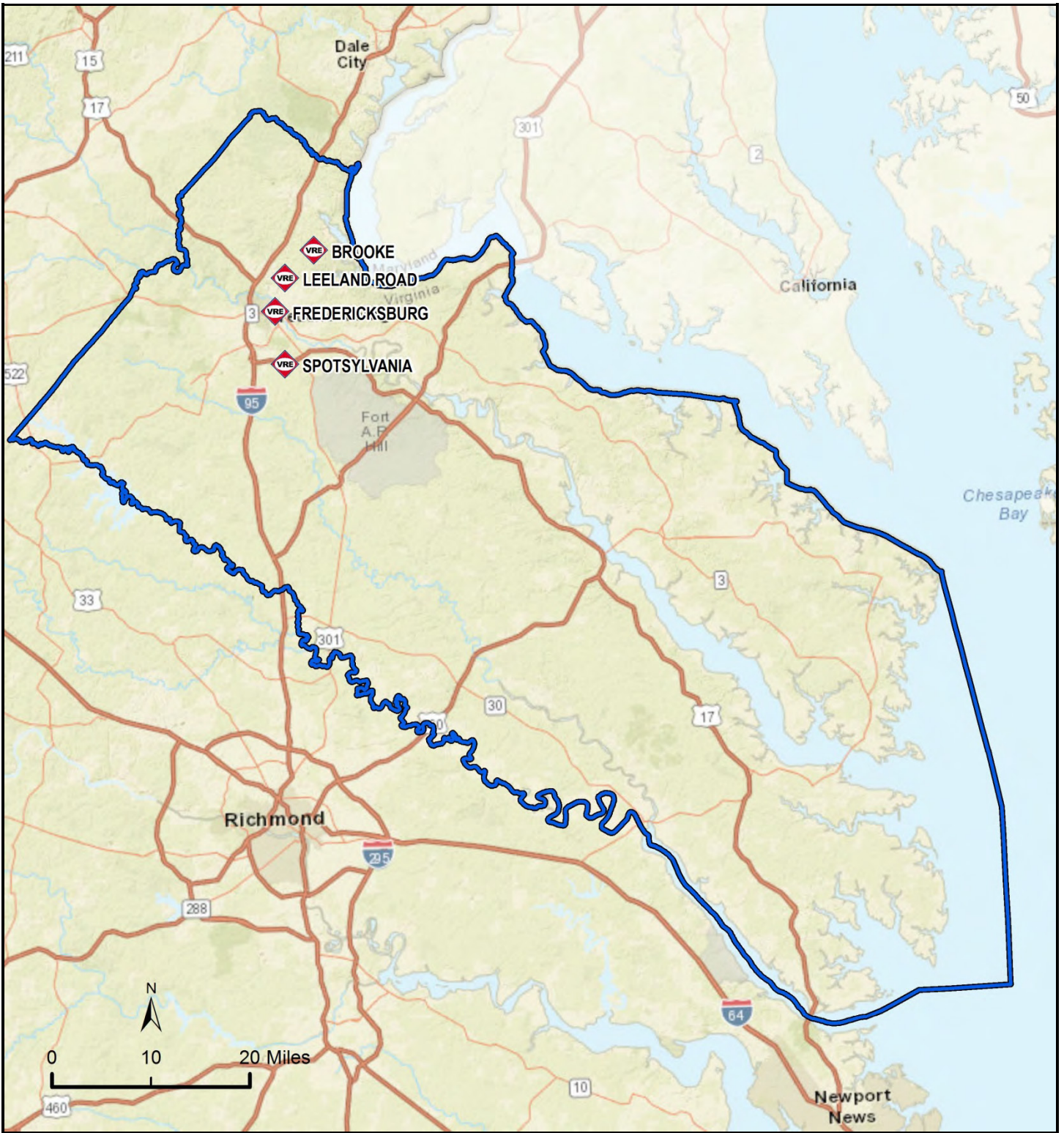
**VDOT District:** Fredericksburg

**Local Jurisdiction:** Multiple

## VTrans2040 Multimodal Transportation Plan (VMTP) 2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

<b>Recommendation Details</b>	<b>Project Reference Number</b> <input style="width: 80%;" type="text" value="FRED06"/>
Short Description <input style="width: 95%;" type="text" value="Transportation Facility Access Study"/>	
District <input style="width: 95%;" type="text" value="Fredericksburg"/>	Local Jurisdiction <input style="width: 95%;" type="text" value="Multiple"/>
VMTP Need Type (Place X in all applicable boxes)	
<input checked="" type="checkbox"/> Corridor of Statewide Significance <input type="checkbox"/> Regional Network <input checked="" type="checkbox"/> UDAs <input type="checkbox"/> Safety	
Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports) <input style="width: 95%;" type="text" value="CoSS Need K3:J; UDA IDs 17, 61, 62"/>	
Project Status: <input style="width: 95%;" type="text" value="New, unique recommendation"/>	
<b>Recommendation Features</b>	
Type (Place X in all applicable boxes)	
<input type="checkbox"/> Highway <input checked="" type="checkbox"/> Bike/Pedestrian <input checked="" type="checkbox"/> Bus Transit <input type="checkbox"/> Rail Transit <input type="checkbox"/> Freight Rail <input type="checkbox"/> Travel Demand Management	
Detailed Description of Improvements <input style="width: 95%; height: 80px;" type="text" value="Study would identify bicycle, pedestrian, and local bus access needs at transportation facilities throughout the Fredericksburg District. Facilities include inter-city bus stations, Park-and-Ride lots, and VRE stations."/>	
<b>Potential Funding Sources</b>	
(Place X in all applicable boxes)	
<input type="checkbox"/> SMART SCALE <input type="checkbox"/> TAP <input checked="" type="checkbox"/> CMAQ <input type="checkbox"/> HSIP <input type="checkbox"/> Prescoping <input type="checkbox"/> Other: <input style="width: 150px;" type="text"/>	
Estimated Project Cost (in \$M) <input style="width: 80px;" type="text" value="\$ 0.50"/>	Right of Way Required for Project <input type="checkbox"/>
<b>If Applicable: Smart Scale Project Feasibility</b>	
Based on Qualitative Review of Project	
	<i>Comments</i>
Safety	<input style="width: 95%;" type="text" value="Study/plan not eligible for Smart Scale"/>
Congestion Mitigation	<input style="width: 95%;" type="text" value="Study/plan not eligible for Smart Scale"/>
Accessibility	<input style="width: 95%;" type="text" value="Study/plan not eligible for Smart Scale"/>
Land Use	<input style="width: 95%;" type="text" value="Study/plan not eligible for Smart Scale"/>
Environment	<input style="width: 95%;" type="text" value="Study/plan not eligible for Smart Scale"/>
Economic Development	<input style="width: 95%;" type="text" value="Study/plan not eligible for Smart Scale"/>

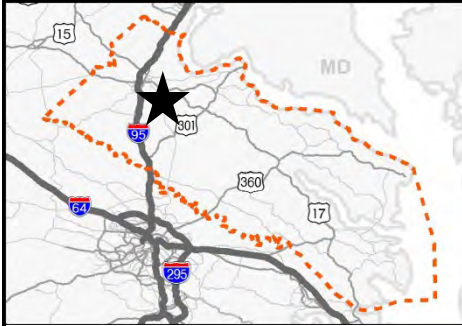


Project Reference Number: FRED06  
 Short Project Description: Transportation Facility Access Study  
 VDOT District: Fredericksburg  
 Local Jurisdiction: Multiple

## VTrans2040 Multimodal Transportation Plan (VMTP) 2025 Tier 1 Recommendation Profile Based on Analysis of VMTP Needs Assessments

<b>Recommendation Details</b>	<b>Project Reference Number</b> <span style="border: 1px solid black; padding: 2px;">FRED07</span>
<b>Short Description</b> <span style="border: 1px solid black; padding: 2px;">Implement Recommendations from Fredericksburg VRE Station Bicycle and Pedestrian Access Study</span>	
<b>District</b> <span style="border: 1px solid black; padding: 2px;">Fredericksburg</span>	<b>Local Jurisdiction</b> <span style="border: 1px solid black; padding: 2px;">Spotsylvania County</span>
<b>VMTP Need Type</b> (Place X in all applicable boxes)	
<input type="checkbox"/> Corridor of Statewide Significance	<input checked="" type="checkbox"/> Regional Network
<input type="checkbox"/> UDAs	<input type="checkbox"/> Safety
<b>Needs Addressed from VMTP Needs Assessment</b> (List needs as numbered in reports)	
<span style="border: 1px solid black; padding: 2px;">Fredericksburg Needs F, G; UDA 17</span>	
<b>Project Status:</b>	<span style="border: 1px solid black; padding: 2px;">New, unique recommendation</span>
<b>Recommendation Features</b>	
<i>Type</i> (Place X in all applicable boxes)	
<input type="checkbox"/> Highway	<input checked="" type="checkbox"/> Bike/Pedestrian
<input type="checkbox"/> Bus Transit	<input checked="" type="checkbox"/> Rail Transit
<input type="checkbox"/> Freight Rail	<input type="checkbox"/> Travel Demand Management
<i>Detailed Description of Improvements</i>	
<span style="border: 1px solid black; padding: 5px;">Recommendations from the forthcoming Fredericksburg, VRE Station Bicycle and Pedestrian Access Study would be implemented to improve multimodal choice, improve safety conditions for bicyclists and pedestrians in the area, and encourage commuting using VRE. Improvements, once identified, would be eligible for SMART SCALE.</span>	
<b>Potential Funding Sources</b>	
<i>(Place X in all applicable boxes)</i>	
<input checked="" type="checkbox"/> SMART SCALE	<input checked="" type="checkbox"/> TAP
<input checked="" type="checkbox"/> CMAQ	<input type="checkbox"/> HSIP
<input type="checkbox"/> Prescoping	<input type="checkbox"/> Other: <span style="border: 1px solid black; padding: 2px;"> </span>
<b>Estimated Project Cost (in \$M)</b>	<span style="border: 1px solid black; padding: 2px;">TBD</span>
<b>Right of Way Required for Project</b>	<input type="checkbox"/>
<b>If Applicable: Smart Scale Project Feasibility</b>	
<i>Based on Qualitative Review of Project</i>	
	<i>Comments</i>
Safety	<span style="border: 1px solid black; padding: 2px;">Could improve safety conditions for bicyclist and pedestrians.</span>
Congestion Mitigation	<span style="border: 1px solid black; padding: 2px;">Could reduce VMT and congestion through provision of alternate mode.</span>
Accessibility	<span style="border: 1px solid black; padding: 2px;">Improves access for bicyclists, pedestrians, and VRE users.</span>
Land Use	<span style="border: 1px solid black; padding: 2px;">Provides bicycle/pedestrian facilities to commercial and mixed use areas.</span>
Environment	<span style="border: 1px solid black; padding: 2px;">Reduced VMT and congestion could improve air quality.</span>
Economic Development	<span style="border: 1px solid black; padding: 2px;">Supports local and regional plans for development.</span>





**Project Reference Number:** FRED07

**Short Project Description:** Implement Recommendations from Fredericksburg VRE Station Bicycle and Pedestrian Access Study

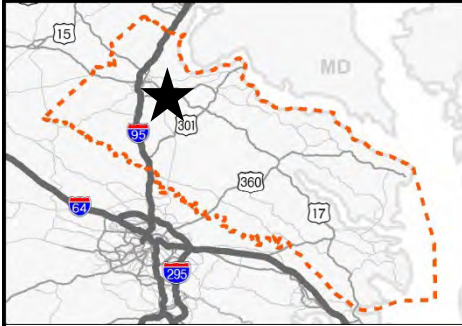
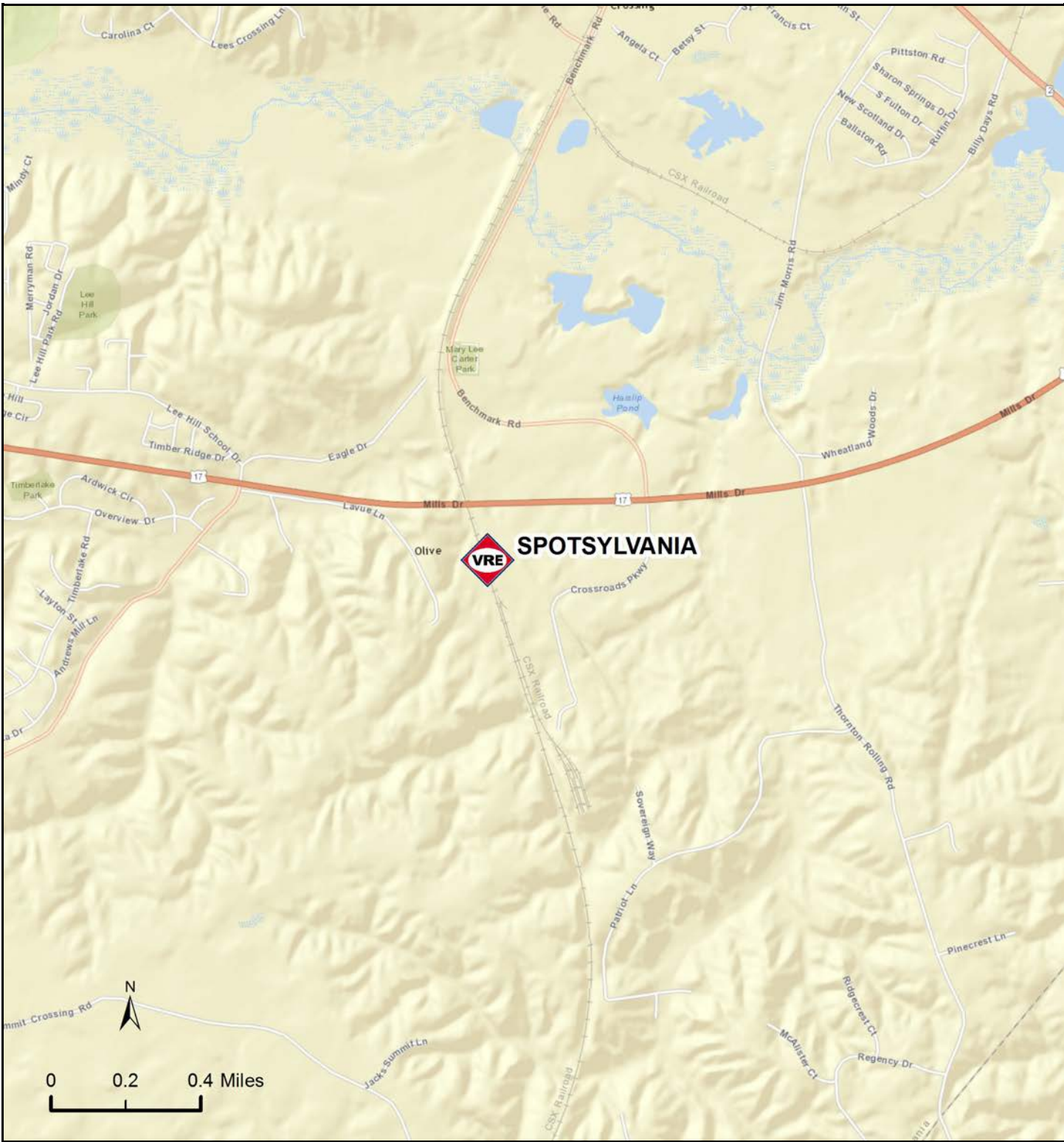
**VDOT District:** Fredericksburg

**Local Jurisdiction:** Spotsylvania County

## VTrans2040 Multimodal Transportation Plan (VMTP) 2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

<b>Recommendation Details</b>	<b>Project Reference Number</b> <input style="width: 100%;" type="text" value="FRED08"/>
Short Description <input style="width: 100%;" type="text" value="VRE Spotsylvania Station Access Study"/>	
District <input style="width: 90%;" type="text" value="Fredericksburg"/>	Local Jurisdiction <input style="width: 90%;" type="text" value="Spotsylvania County"/>
VMTP Need Type (Place X in all applicable boxes)	
<input type="checkbox"/> Corridor of Statewide Significance <input checked="" type="checkbox"/> Regional Network <input type="checkbox"/> UDAs <input type="checkbox"/> Safety	
Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports) <input style="width: 100%;" type="text" value="Fredericksburg Need G"/>	
Project Status: <input style="width: 90%;" type="text" value="Partially funded in 2017-2022 SYIP (e.g. PE or ROW only, but not complete construction)"/>	
<b>Recommendation Features</b>	
Type (Place X in all applicable boxes)	
<input type="checkbox"/> Highway <input checked="" type="checkbox"/> Bike/Pedestrian <input type="checkbox"/> Bus Transit <input checked="" type="checkbox"/> Rail Transit <input type="checkbox"/> Freight Rail <input type="checkbox"/> Travel Demand Management	
Detailed Description of Improvements <input style="width: 100%; height: 100%;" type="text" value="Study would identify strategies and projects to increase bicycle and pedestrian access to VRE Spotsylvania Station and develop transit-oriented development guidelines for future development near the station."/>	
<b>Potential Funding Sources</b>	
(Place X in all applicable boxes)	
<input type="checkbox"/> SMART SCALE <input type="checkbox"/> TAP <input checked="" type="checkbox"/> CMAQ <input type="checkbox"/> HSIP <input type="checkbox"/> Prescoping <input type="checkbox"/> Other: <input style="width: 150px;" type="text"/>	
Estimated Project Cost (in \$M) <input style="width: 100px;" type="text" value="\$ 0.50"/>	Right of Way Required for Project <input type="checkbox"/>
<b>If Applicable: Smart Scale Project Feasibility</b>	
Based on Qualitative Review of Project	
	Comments
Safety	<input style="width: 100%;" type="text" value="Study/Plan not eligible for Smart Scale"/>
Congestion Mitigation	<input style="width: 100%;" type="text" value="Study/Plan not eligible for Smart Scale"/>
Accessibility	<input style="width: 100%;" type="text" value="Study/Plan not eligible for Smart Scale"/>
Land Use	<input style="width: 100%;" type="text" value="Study/Plan not eligible for Smart Scale"/>
Environment	<input style="width: 100%;" type="text" value="Study/Plan not eligible for Smart Scale"/>
Economic Development	<input style="width: 100%;" type="text" value="Study/Plan not eligible for Smart Scale"/>



Project Reference Number: FRED08  
 Short Project Description: VRE Spotsylvania Station Access Study  
 VDOT District: Fredericksburg  
 Local Jurisdiction: Spotsylvania County

## VTrans2040 Multimodal Transportation Plan (VMTP) 2025 Tier 1 Recommendation Profile Based on Analysis of VMTP Needs Assessments

<b>Recommendation Details</b>	<b>Project Reference Number</b> <span style="border: 1px solid black; padding: 2px;">FRED09</span>
<b>Short Description</b> <span style="border: 1px solid black; padding: 2px;">Route 3 Corridor Park-and-Ride Study</span>	
<b>District</b> <span style="border: 1px solid black; padding: 2px;">Fredericksburg</span>	<b>Local Jurisdiction</b> <span style="border: 1px solid black; padding: 2px;">Multiple</span>
<b>VMTP Need Type</b> (Place X in all applicable boxes)	
<input type="checkbox"/> Corridor of Statewide Significance	<input checked="" type="checkbox"/> Regional Network
<input type="checkbox"/> UDAs	<input type="checkbox"/> Safety
<b>Needs Addressed from VMTP Needs Assessment</b> (List needs as numbered in reports)	
<span style="border: 1px solid black; padding: 2px;">Fredericksburg Need F</span>	
<b>Project Status:</b>	<span style="border: 1px solid black; padding: 2px;">New, unique recommendation</span>

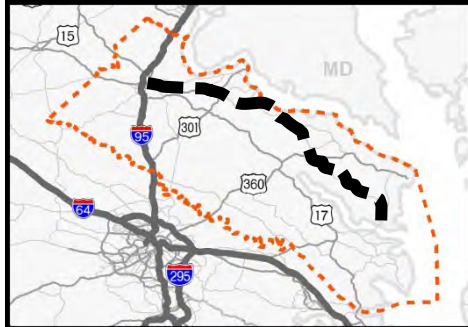
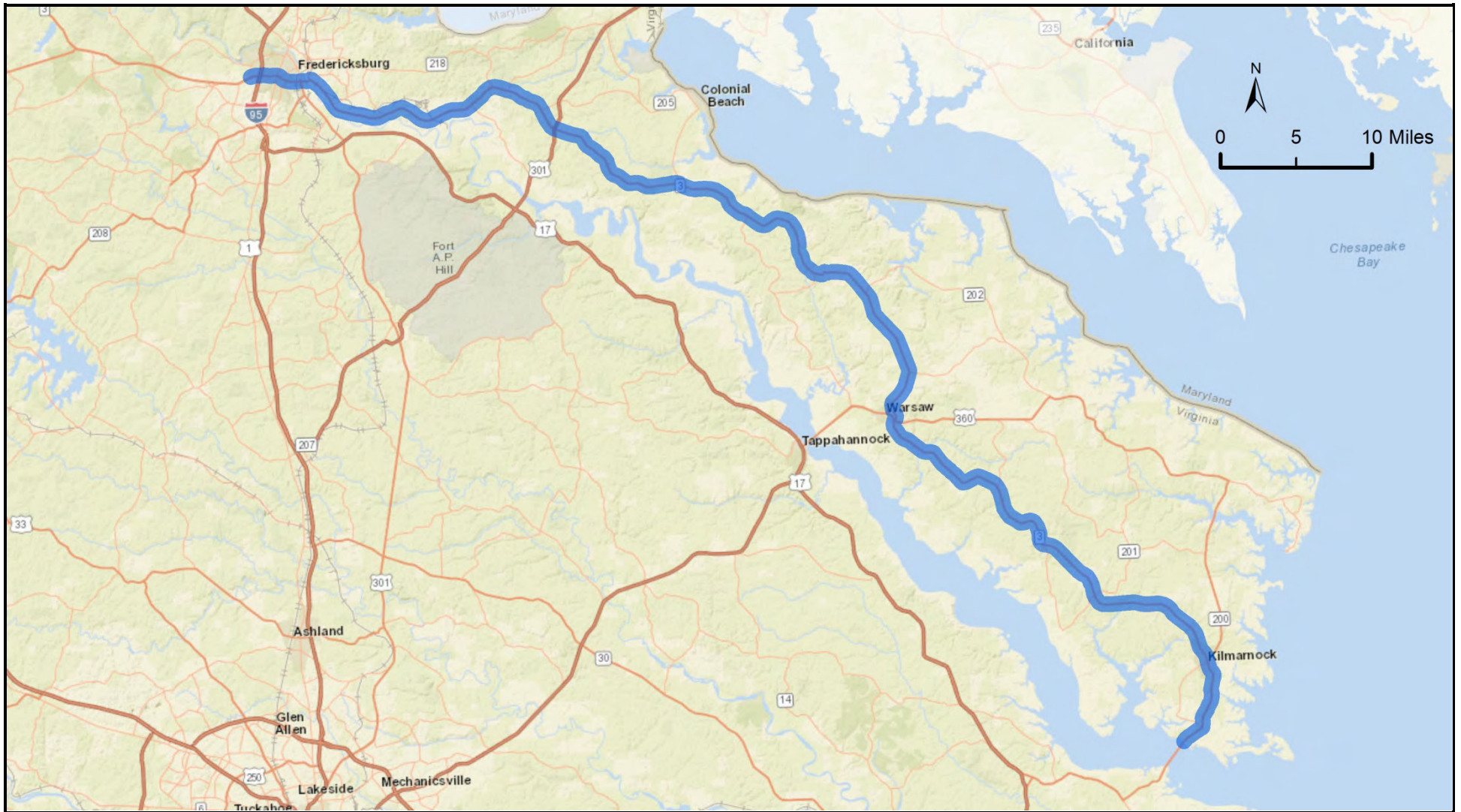
<b>Recommendation Features</b>	
<i>Type</i> (Place X in all applicable boxes)	
<input type="checkbox"/> Highway	<input checked="" type="checkbox"/> Bike/Pedestrian
<input type="checkbox"/> Bus Transit	<input checked="" type="checkbox"/> Rail Transit
<input type="checkbox"/> Freight Rail	<input type="checkbox"/> Travel Demand Management
<i>Detailed Description of Improvements</i>	
<p>Study would identify potential Park-and-Ride facility locations along the Route 3 corridor throughout the City of Fredericksburg, Spotsylvania County, Westmoreland County, Richmond County, and Lancaster County. The study would also detail Park-and-Ride expansion, repair, and other safety improvements. Recommended investments in Park-and-Ride facilities along Route 3 would account for commuter travel patterns, transit availability, and future VDOT plans for roadway capacity improvements.</p>	

<b>Potential Funding Sources</b>	
<i>(Place X in all applicable boxes)</i>	
<input type="checkbox"/> SMART SCALE	<input type="checkbox"/> TAP
<input checked="" type="checkbox"/> CMAQ	<input type="checkbox"/> HSIP
<input type="checkbox"/> Prescoping	<input type="checkbox"/> Other: <span style="border: 1px solid black; padding: 2px;"> </span>
<b>Estimated Project Cost (in \$M)</b>	<span style="border: 1px solid black; padding: 2px;">\$ 0.50</span>
<b>Right of Way Required for Project</b>	<input type="checkbox"/>

<b>If Applicable: Smart Scale Project Feasibility</b>	
<i>Based on Qualitative Review of Project</i>	
	<i>Comments</i>
Safety	<span style="border: 1px solid black; padding: 2px;">Study/Plan not eligible for Smart Scale</span>
Congestion Mitigation	<span style="border: 1px solid black; padding: 2px;">Study/Plan not eligible for Smart Scale</span>
Accessibility	<span style="border: 1px solid black; padding: 2px;">Study/Plan not eligible for Smart Scale</span>
Land Use	<span style="border: 1px solid black; padding: 2px;">Study/Plan not eligible for Smart Scale</span>
Environment	<span style="border: 1px solid black; padding: 2px;">Study/Plan not eligible for Smart Scale</span>
Economic Development	<span style="border: 1px solid black; padding: 2px;">Study/Plan not eligible for Smart Scale</span>



Project Reference Number: FRED09  
 Short Project Description: Route 3 Corridor Park-and-Ride Study  
 VDOT District: Fredericksburg  
 Local Jurisdiction: Multiple

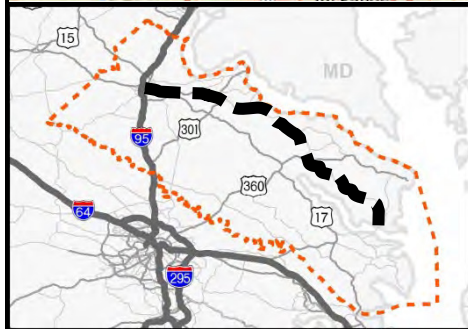
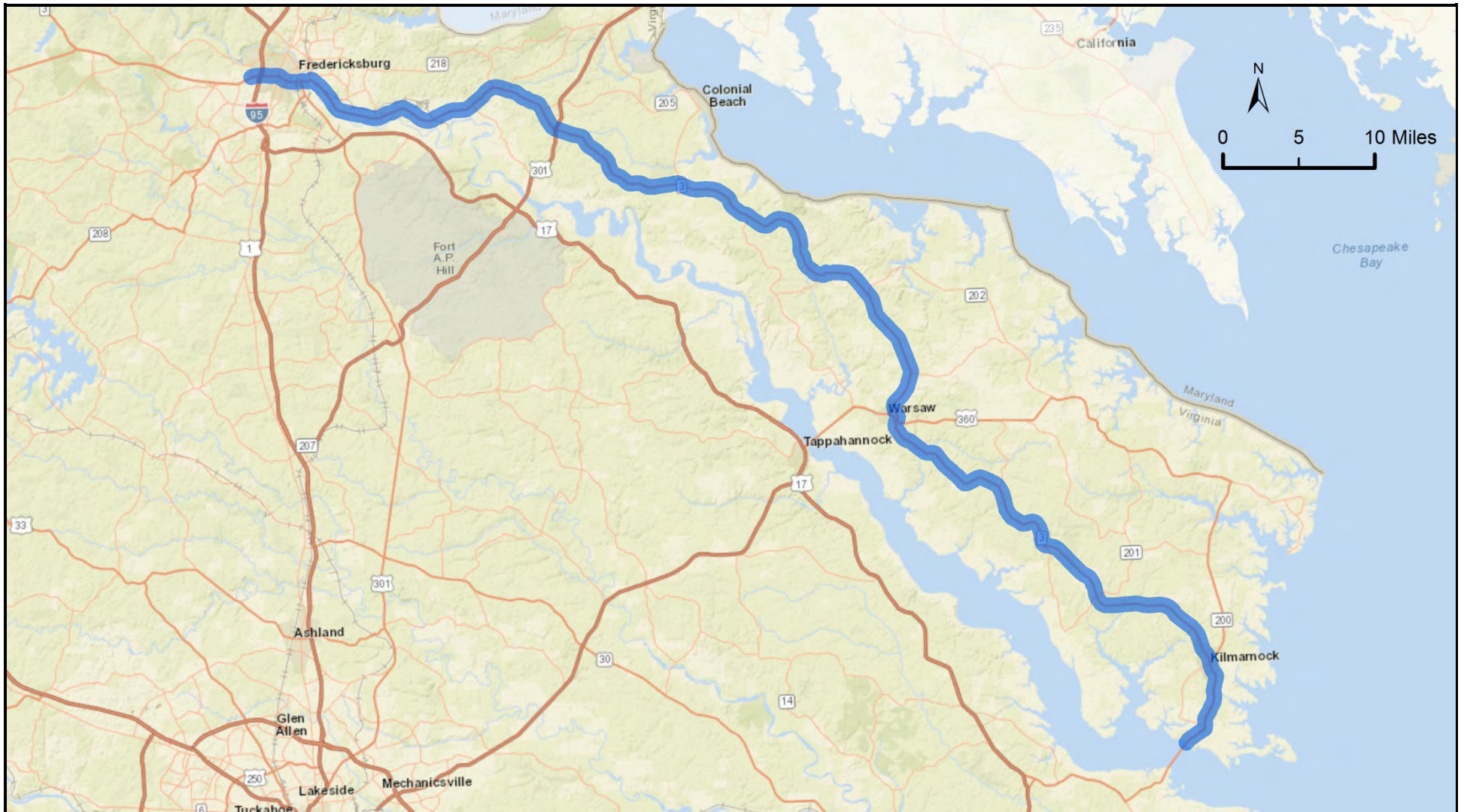
## VTrans2040 Multimodal Transportation Plan (VMTP) 2025 Tier 1 Recommendation Profile Based on Analysis of VMTP Needs Assessments

<b>Recommendation Details</b>	<b>Project Reference Number</b> <span style="border: 1px solid black; padding: 2px;">FRED10</span>
<b>Short Description</b> <span style="border: 1px solid black; padding: 2px;">Route 3 Corridor Park-and-Ride Transit Access and Transportation Demand Management (TDM) Study</span>	
<b>District</b> <span style="border: 1px solid black; padding: 2px;">Fredericksburg</span>	<b>Local Jurisdiction</b> <span style="border: 1px solid black; padding: 2px;">Multiple</span>
<b>VMTP Need Type</b> (Place X in all applicable boxes) <input type="checkbox"/> Corridor of Statewide Significance <input checked="" type="checkbox"/> Regional Network <input type="checkbox"/> UDAs <input type="checkbox"/> Safety	
<b>Needs Addressed from VMTP Needs Assessment</b> (List needs as numbered in reports) <span style="border: 1px solid black; padding: 2px;">Fredericksburg Needs F, I</span>	
<b>Project Status:</b> <span style="border: 1px solid black; padding: 2px;">New, unique recommendation</span>	

<b>Recommendation Features</b> <i>Type</i> (Place X in all applicable boxes) <input type="checkbox"/> Highway <input type="checkbox"/> Bike/Pedestrian <input checked="" type="checkbox"/> Bus Transit <input type="checkbox"/> Rail Transit <input type="checkbox"/> Freight Rail <input checked="" type="checkbox"/> Travel Demand Management
<b>Detailed Description of Improvements</b> <span style="border: 1px solid black; padding: 5px;">Study would identify strategies and projects to link local and intercity transit services with Park-and-Ride facilities in the Route 3 corridor. The study would also identify strategies to encourage transit and carpooling commuting from the Route 3 corridor Park-and-Ride facilities. Recommended projects and strategies would account for existing transit services, future capacity investments to VRE services, investments to improve multimodal access to existing transit and Park-and-Ride facilities, and future VDOT plans for roadway capacity improvements.</span>

<b>Potential Funding Sources</b> (Place X in all applicable boxes) <input type="checkbox"/> SMART SCALE <input type="checkbox"/> TAP <input checked="" type="checkbox"/> CMAQ <input type="checkbox"/> HSIP <input type="checkbox"/> Prescoping <input type="checkbox"/> Other: <span style="border: 1px solid black; padding: 2px; width: 150px;"></span>
Estimated Project Cost (in \$M) <span style="border: 1px solid black; padding: 2px;">\$ 0.50</span> Right of Way Required for Project <input type="checkbox"/>

<b>If Applicable: Smart Scale Project Feasibility</b>	
Based on Qualitative Review of Project	
	Comments
Safety	Study/Plan not eligible for Smart Scale
Congestion Mitigation	Study/Plan not eligible for Smart Scale
Accessibility	Study/Plan not eligible for Smart Scale
Land Use	Study/Plan not eligible for Smart Scale
Environment	Study/Plan not eligible for Smart Scale
Economic Development	Study/Plan not eligible for Smart Scale



**Project Reference Number:** FRED10

**Short Project Description:** Route 3 Corridor Park-and-Ride Transit Access and Transportation Demand Management (TDM) Study

**VDOT District:** Fredericksburg

**Local Jurisdiction:** Multiple

## VTrans2040 Multimodal Transportation Plan (VMTP) 2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

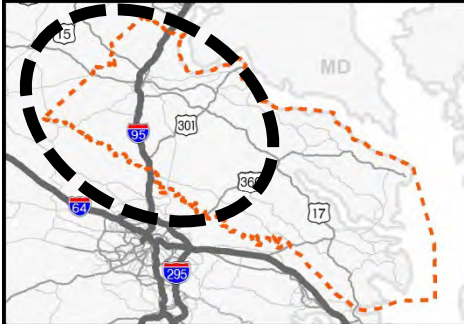
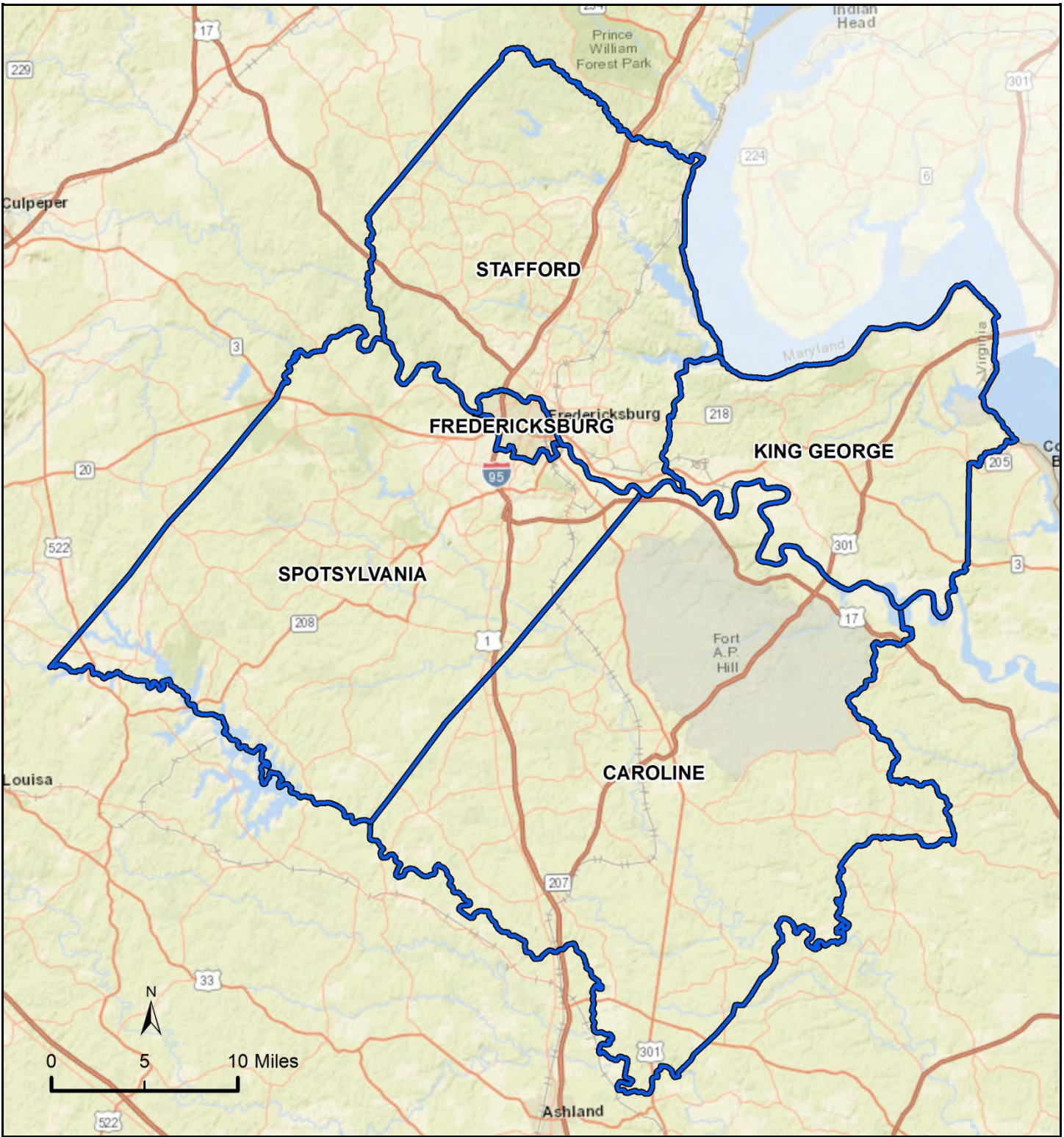
<b>Recommendation Details</b>	<b>Project Reference Number</b> <input style="width: 80%;" type="text" value="FRED11"/>
Short Description <input style="width: 98%;" type="text" value="Implementation of Priority Recommendations from the Fredericksburg Regional Transit (FRED) Transit Development Plan"/>	
District <input style="width: 90%;" type="text" value="Fredericksburg"/>	Local Jurisdiction <input style="width: 90%;" type="text" value="Multiple"/>
VMTP Need Type (Place X in all applicable boxes) <input type="checkbox"/> Corridor of Statewide Significance <input checked="" type="checkbox"/> Regional Network <input type="checkbox"/> UDAs <input type="checkbox"/> Safety	
Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports) <input style="width: 98%;" type="text" value="Fredericksburg Need D, E, F, I"/>	
Project Status:	<input style="width: 95%;" type="text" value="Recommendation recently within a Transit Development Plan, VDOT, DRPT, transit provider, MPO, PDC, or other local planning document"/>

<b>Recommendation Features</b>
Type (Place X in all applicable boxes) <input type="checkbox"/> Highway <input type="checkbox"/> Bike/Pedestrian <input checked="" type="checkbox"/> Bus Transit <input type="checkbox"/> Rail Transit <input type="checkbox"/> Freight Rail <input checked="" type="checkbox"/> Travel Demand Management
Detailed Description of Improvements <input style="width: 98%; height: 80px;" type="text" value="Strategy would fund changes and expansions to bus service provided by FRED, as prioritized by the forthcoming Transit Development Plan for 2016-2022. Any capital improvements required for implementation would be eligible for SmartScale."/>

<b>Potential Funding Sources</b> (Place X in all applicable boxes) <input checked="" type="checkbox"/> SMART SCALE <input checked="" type="checkbox"/> TAP <input checked="" type="checkbox"/> CMAQ <input type="checkbox"/> HSIP <input type="checkbox"/> Prescoping <input type="checkbox"/> Other: <input style="width: 150px;" type="text"/>
Estimated Project Cost (in \$M) <input style="width: 100px;" type="text" value="TBD"/> Right of Way Required for Project <input type="checkbox"/>

<b>If Applicable: Smart Scale Project Feasibility</b> Based on Qualitative Review of Project	Comments
Safety	<input style="width: 98%;" type="text" value="Could reduce VMT in areas with high crash rates."/>
Congestion Mitigation	<input style="width: 98%;" type="text" value="Could reduce VMT and congestion through provision of alternate mode."/>
Accessibility	<input style="width: 98%;" type="text" value="Improves access throughout service area for transit users."/>
Land Use	<input style="width: 98%;" type="text" value="Provides transit service to commercial and mixed use areas."/>
Environment	<input style="width: 98%;" type="text" value="Reduced VMT and congestion could improve air quality."/>
Economic Development	<input style="width: 98%;" type="text" value="Supports local and regional plans for growth through improved transit choices."/>





Project Reference Number: FRED11

Short Project Description: Implementation of Priority Recommendations from the Fredericksburg Regional Transit (FRED) Transit Development Plan

VDOT District: Fredericksburg

Local Jurisdiction: Multiple

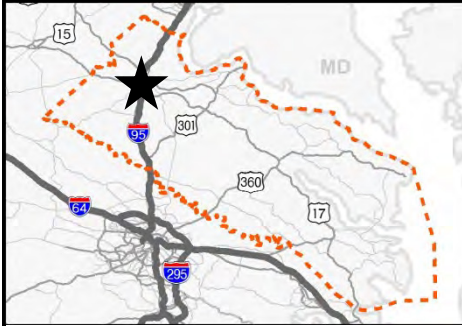
## VTrans2040 Multimodal Transportation Plan (VMTP) 2025 Tier 1 Recommendation Profile Based on Analysis of VMTP Needs Assessments

<b>Recommendation Details</b>	<b>Project Reference Number</b> <span style="border: 1px solid black; padding: 2px;">FRED12</span>
<b>Short Description</b> <span style="border: 1px solid black; padding: 2px;">Operational Improvements on Northbound I-95 at Rappahannock River Crossing</span>	
<b>District</b> <span style="border: 1px solid black; padding: 2px;">Fredericksburg</span>	<b>Local Jurisdiction</b> <span style="border: 1px solid black; padding: 2px;">Multiple</span>
<b>VMTP Need Type</b> (Place X in all applicable boxes)	
<input checked="" type="checkbox"/> Corridor of Statewide Significance	<input checked="" type="checkbox"/> Regional Network
<input checked="" type="checkbox"/> UDAs	<input type="checkbox"/> Safety
<b>Needs Addressed from VMTP Needs Assessment</b> (List needs as numbered in reports)	
<span style="border: 1px solid black; padding: 2px;">Fredericksburg Need F, CoSS Needs A2:B, A3:B, A3:M, A3:T, K3:E, K3:L, K3:O, K3:X, UDA ID 17</span>	
<b>Project Status:</b> <span style="border: 1px solid black; padding: 2px;">Modified recommendation from existing planning document</span>	

<b>Recommendation Features</b>	
<i>Type</i> (Place X in all applicable boxes)	
<input checked="" type="checkbox"/> Highway	<input type="checkbox"/> Bike/Pedestrian
<input type="checkbox"/> Bus Transit	<input type="checkbox"/> Rail Transit
<input type="checkbox"/> Freight Rail	<input type="checkbox"/> Travel Demand Management
<i>Detailed Description of Improvements</i>	
<p>Project would identify and construct operational improvements on I-95 northbound lanes between I-95 Exits 130 and 133 and at interchanges and exit ramps to accommodate the new lanes. A widening project in this location was previously submitted for SMART SCALE in 2015, but not funded.</p>	

<b>Potential Funding Sources</b>	
<i>(Place X in all applicable boxes)</i>	
<input checked="" type="checkbox"/> SMART SCALE	<input type="checkbox"/> TAP
<input type="checkbox"/> CMAQ	<input checked="" type="checkbox"/> HSIP
<input type="checkbox"/> Prescoping	<input type="checkbox"/> Other: <span style="border: 1px solid black; padding: 2px;"> </span>
<b>Estimated Project Cost (in \$M)</b> <span style="border: 1px solid black; padding: 2px;">TBD</span>	<b>Right of Way Required for Project</b> <input type="checkbox"/>

<b>If Applicable: Smart Scale Project Feasibility</b>	
Based on Qualitative Review of Project	
	<i>Comments</i>
Safety	Improved interchanges could address high crash rates on Route 3 and US 17 Business.
Congestion Mitigation	Would address operational inefficiencies in a congested area.
Accessibility	Previously submitted project scored low for multimodal access.
Land Use	Would address congestion issues in an area of rapid growth.
Environment	Reduced congestion could improve air quality.
Economic Development	Supports local and regional plans for growth.



**Project Reference Number:** FRED12

**Short Project Description:** I-95 Rappahannock River Crossing Northbound Expansion

**VDOT District:** Fredericksburg

**Local Jurisdiction:** Multiple

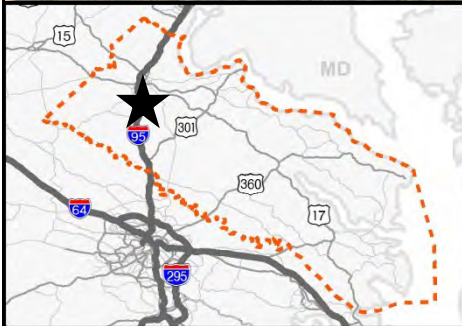
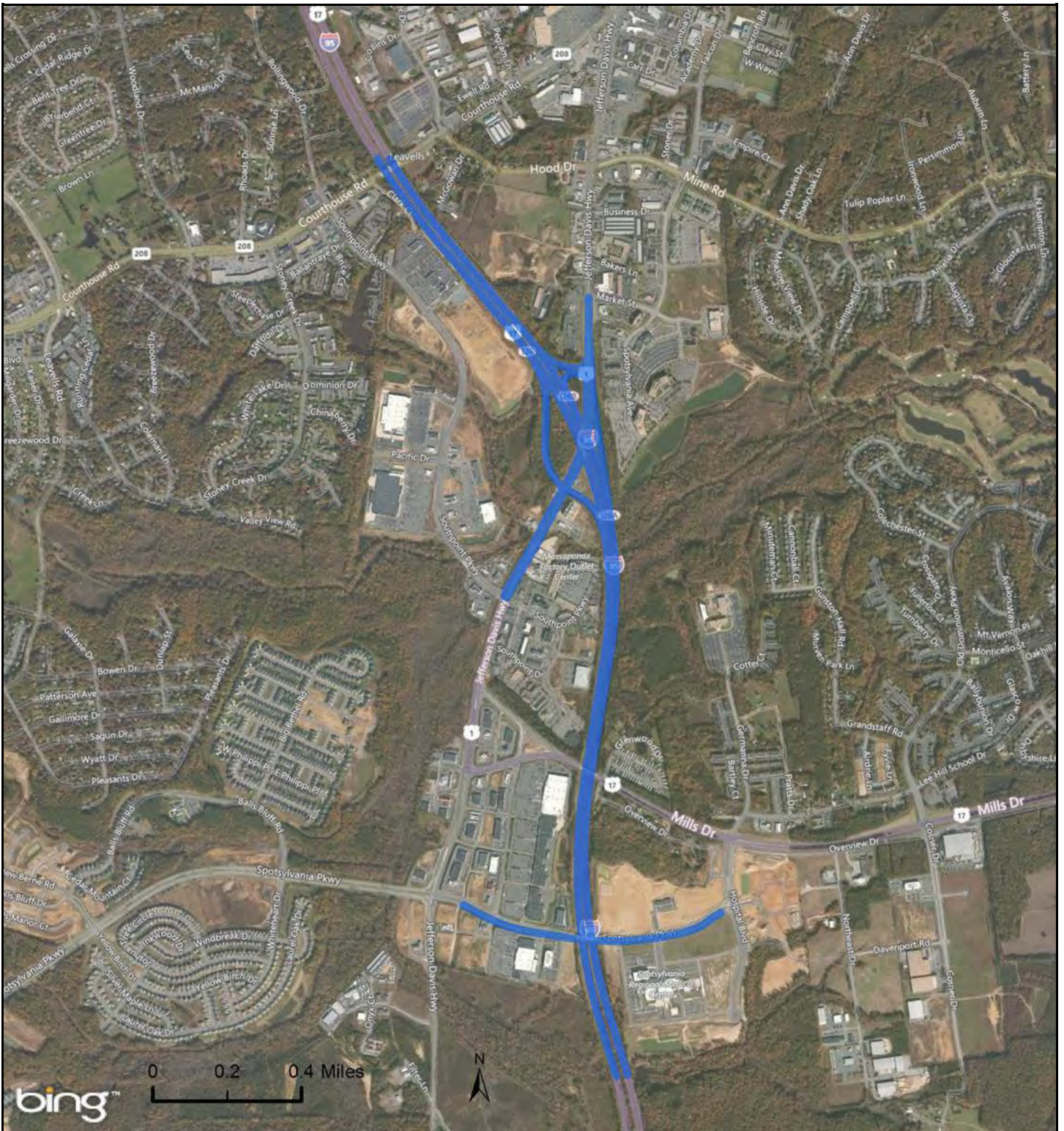
## VTrans2040 Multimodal Transportation Plan (VMTP) 2025 Tier 1 Recommendation Profile Based on Analysis of VMTP Needs Assessments

<b>Recommendation Details</b>	<b>Project Reference Number</b> <span style="border: 1px solid black; padding: 2px;">FRED13</span>
<b>Short Description</b> <span style="border: 1px solid black; padding: 2px;">Jackson Gateway Area I-95 Improvements</span>	
<b>District</b> <span style="border: 1px solid black; padding: 2px;">Fredericksburg</span>	<b>Local Jurisdiction</b> <span style="border: 1px solid black; padding: 2px;">Spotsylvania County</span>
<b>VMTP Need Type</b> (Place X in all applicable boxes)	
<input checked="" type="checkbox"/> Corridor of Statewide Significance	<input checked="" type="checkbox"/> Regional Network
<input type="checkbox"/> UDAs	<input type="checkbox"/> Safety
<b>Needs Addressed from VMTP Needs Assessment</b> (List needs as numbered in reports)	
<span style="border: 1px solid black; padding: 2px;">Fredericksburg Need E, CoSS Needs A2:D, K3:O, K3:AA</span>	
<b>Project Status:</b> <span style="border: 1px solid black; padding: 2px;">Project defined and identified for funding within a fiscally constrained MPO L RTP</span>	

<b>Recommendation Features</b>	
<i>Type</i> (Place X in all applicable boxes)	
<input checked="" type="checkbox"/> Highway	<input type="checkbox"/> Bike/Pedestrian
<input type="checkbox"/> Bus Transit	<input type="checkbox"/> Rail Transit
<input type="checkbox"/> Freight Rail	<input type="checkbox"/> Travel Demand Management
<i>Detailed Description of Improvements</i>	
<span style="border: 1px solid black; padding: 5px;">Project would reconstruct ramps on I-95 at Exit 126 and construct a new exit south of Spotsylvania Parkway, with new collector-distributor roads parallel to I-95 connecting the new exit to Exit 126. Funded ramps at Exit 126 on I-95 Southbound would be integrated as part of the improvements at Jackson Gateway.</span>	

<b>Potential Funding Sources</b>	
<i>(Place X in all applicable boxes)</i>	
<input checked="" type="checkbox"/> SMART SCALE	<input type="checkbox"/> TAP
<input type="checkbox"/> CMAQ	<input checked="" type="checkbox"/> HSIP
<input type="checkbox"/> Prescoping	<input type="checkbox"/> Other: <span style="border: 1px solid black; padding: 2px;"> </span>
<b>Estimated Project Cost (in \$M)</b> <span style="border: 1px solid black; padding: 2px;">\$ 58.00</span>	<b>Right of Way Required for Project</b> <input checked="" type="checkbox"/>

<b>If Applicable: Smart Scale Project Feasibility</b>	
Based on Qualitative Review of Project	
	<i>Comments</i>
Safety	<span style="border: 1px solid black; padding: 2px;">Reconstructed ramps may improve safety conditions.</span>
Congestion Mitigation	<span style="border: 1px solid black; padding: 2px;">Additional capacity on ramps and collector-distributor roads would address congestion</span>
Accessibility	<span style="border: 1px solid black; padding: 2px;">Not likely to address multimodal accessibility issues.</span>
Land Use	<span style="border: 1px solid black; padding: 2px;">Provides capacity in an area of rapid growth.</span>
Environment	<span style="border: 1px solid black; padding: 2px;">Not likely to address environmental concerns.</span>
Economic Development	<span style="border: 1px solid black; padding: 2px;">Provides capacity in an area of planned growth.</span>



Project Reference Number: FRED13  
 Short Project Description: Jackson Gateway Area I-95 Improvements  
 VDOT District: Fredericksburg  
 Local Jurisdiction: Spotsylvania County

## VTrans2040 Multimodal Transportation Plan (VMTP) 2025 Tier 1 Recommendation Profile

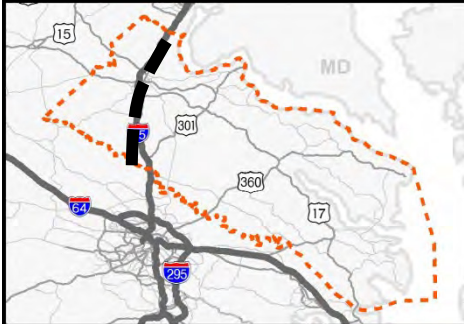
Based on Analysis of VMTP Needs Assessments

<b>Recommendation Details</b>	<b>Project Reference Number</b> <input style="width: 80%;" type="text" value="FRED14"/>
Short Description <input style="width: 95%;" type="text" value="US 1 Widening and Operational Improvements"/>	
District <input style="width: 95%;" type="text" value="Fredericksburg"/>	Local Jurisdiction <input style="width: 95%;" type="text" value="Multiple"/>
VMTP Need Type (Place X in all applicable boxes)	
<input checked="" type="checkbox"/> Corridor of Statewide Significance <input checked="" type="checkbox"/> Regional Network <input type="checkbox"/> UDAs <input type="checkbox"/> Safety	
Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports)	
<input style="width: 95%;" type="text" value="Fredericksburg Need E, CoSS Needs A2:B, K3:F, K3:H, K3:I, K3:K, K3:O, K3:R, K3:S, K3:U, K3:W, K3:Y, K3:AA, K3:AB, K3:AC, K3:AD, K3:AE; UDA ID 17"/>	
Project Status: <input style="width: 95%;" type="text" value="Project defined and identified for funding within a fiscally constrained MPO LRTP"/>	

<b>Recommendation Features</b>	
Type (Place X in all applicable boxes)	
<input checked="" type="checkbox"/> Highway <input type="checkbox"/> Bike/Pedestrian <input type="checkbox"/> Bus Transit <input type="checkbox"/> Rail Transit <input type="checkbox"/> Freight Rail <input type="checkbox"/> Travel Demand Management	
Detailed Description of Improvements	
<p>Project would widen US 1 from four to six lane between the northern Telegraph Road intersection in Stafford County and Massaponax Church Road in Spotsylvania County. The project would also construct bicycle and pedestrian facilities along US 1.</p> <p>Once specific improvements have been identified, the US 1 widening and associated improvements would be eligible for SmartScale and are reviewed below as a SmartScale-ready project.</p>	

<b>Potential Funding Sources</b>	
(Place X in all applicable boxes)	
<input checked="" type="checkbox"/> SMART SCALE <input type="checkbox"/> TAP <input type="checkbox"/> CMAQ <input checked="" type="checkbox"/> HSIP <input type="checkbox"/> Prescoping <input type="checkbox"/> Other: <input style="width: 150px;" type="text"/>	
Estimated Project Cost (in \$M)	<input style="width: 100px;" type="text" value="TBD"/>
Right of Way Required for Project	<input checked="" type="checkbox"/>

<b>If Applicable: Smart Scale Project Feasibility</b>	
Based on Qualitative Review of Project	
	Comments
Safety	<input style="width: 95%;" type="text" value="Could provide safer facilities for pedestrians/bicyclists in an high crash rate area."/>
Congestion Mitigation	<input style="width: 95%;" type="text" value="Reduces congestion through provision of additional capacity."/>
Accessibility	<input style="width: 95%;" type="text" value="Improves access for pedestrians and bicyclists and reliability for motorists."/>
Land Use	<input style="width: 95%;" type="text" value="Provides multimodal connections to commercial and mixed use centers."/>
Environment	<input style="width: 95%;" type="text" value="Reduced congestion could improve air quality."/>
Economic Development	<input style="width: 95%;" type="text" value="Supports local and regional plans for growth in the corridor."/>



**Project Reference Number:** FRED14  
**Short Project Description:** US 1 Widening and Operational Improvements  
**VDOT District:** Fredericksburg  
**Local Jurisdiction:** Multiple

## VTrans2040 Multimodal Transportation Plan (VMTP)

### 2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

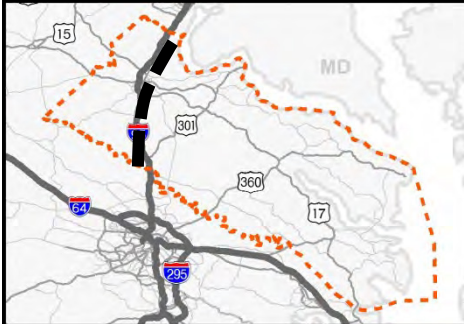
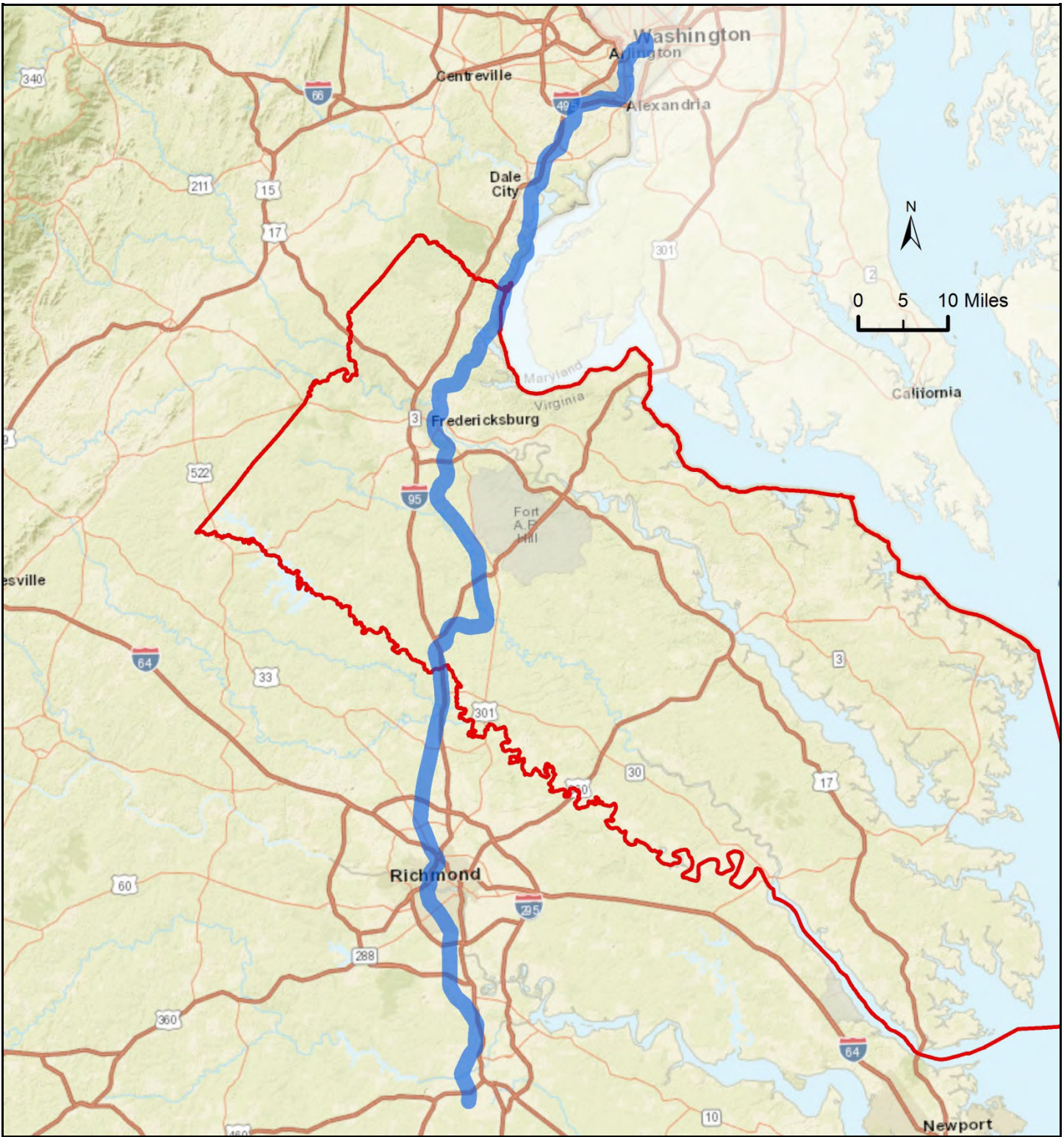
<b>Recommendation Details</b>	<b>Project Reference Number</b> <span style="border: 1px solid black; padding: 2px;">FRED15</span>
<b>Short Description</b> <span style="border: 1px solid black; padding: 2px;">Passenger Rail Service Enhancements in the I-95 Corridor</span>	
<b>District</b> <span style="border: 1px solid black; padding: 2px;">Fredericksburg</span>	<b>Local Jurisdiction</b> <span style="border: 1px solid black; padding: 2px;">Multiple</span>
<b>VMTP Need Type</b> (Place X in all applicable boxes) <input checked="" type="checkbox"/> Corridor of Statewide Significance <input checked="" type="checkbox"/> Regional Network <input checked="" type="checkbox"/> UDAs <input type="checkbox"/> Safety	
<b>Needs Addressed from VMTP Needs Assessment</b> (List needs as numbered in reports) <span style="border: 1px solid black; padding: 2px;">Fredericksburg Need B, CoSS Needs K3:C; UDA ID 17</span>	
<b>Project Status:</b>	<span style="border: 1px solid black; padding: 2px;">Recommendation recently within a Transit Development Plan, VDOT, DRPT, transit provider, MPO , PDC, or other local planning document</span>

<b>Recommendation Features</b>	
<i>Type (Place X in all applicable boxes)</i>	
<input type="checkbox"/> Highway	<input type="checkbox"/> Bike/Pedestrian
<input type="checkbox"/> Bus Transit	<input checked="" type="checkbox"/> Rail Transit
<input type="checkbox"/> Freight Rail	<input type="checkbox"/> Travel Demand Management
<i>Detailed Description of Improvements</i>	
<span style="border: 1px solid black; padding: 5px;">Project would provide additional rail service along the I-95 corridor. Service enhancements would include more frequent train service and capacity improvements, such as yard rehabilitation and connection tracks between Norfolk Southern and CSX lines. Improvements included in the estimated project cost below address capital and operations improvements of Phase 1 of a three-phase strategy to be implemented through FY 2022. Additional project details can be found in the Virginia Statewide Rail Plan (2013).</span>	

<b>Potential Funding Sources</b>	
<i>(Place X in all applicable boxes)</i>	
<input checked="" type="checkbox"/> SMART SCALE	<input checked="" type="checkbox"/> TAP
<input checked="" type="checkbox"/> CMAQ	<input type="checkbox"/> HSIP
<input type="checkbox"/> Prescoping	<input type="checkbox"/> Other: <span style="border: 1px solid black; padding: 2px;"> </span>
<b>Estimated Project Cost (in \$M)</b>	<span style="border: 1px solid black; padding: 2px;">\$ 444.69</span>
<b>Right of Way Required for Project</b>	<input type="checkbox"/>

<b>If Applicable: Smart Scale Project Feasibility</b>	
<i>Based on Qualitative Review of Project</i>	
	<i>Comments</i>
Safety	<span style="border: 1px solid black; padding: 2px;">Not anticipated to result in significant improvements to safety.</span>
Congestion Mitigation	<span style="border: 1px solid black; padding: 2px;">Additional rail capacity could relieve both highway and rail congestion in the corridor.</span>
Accessibility	<span style="border: 1px solid black; padding: 2px;">May increase rail ridership due to proximity to population and employment centers.</span>
Land Use	<span style="border: 1px solid black; padding: 2px;">Connects major population and employment centers.</span>
Environment	<span style="border: 1px solid black; padding: 2px;">Potential highway congestion relief would have a positive impact on air quality.</span>
Economic Development	<span style="border: 1px solid black; padding: 2px;">Connects population and employment centers that contribute to Virginia's economy.</span>





Project Reference Number: FRED15  
 Short Project Description: Passenger Rail Service Enhancements in the I-95 Corridor  
 VDOT District: Fredericksburg  
 Local Jurisdiction: Multiple

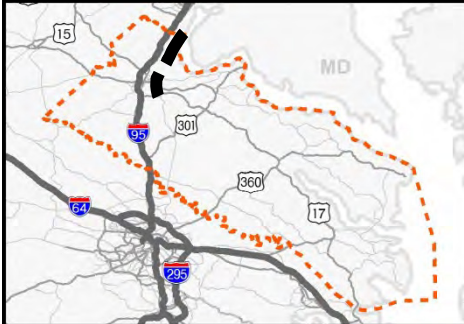
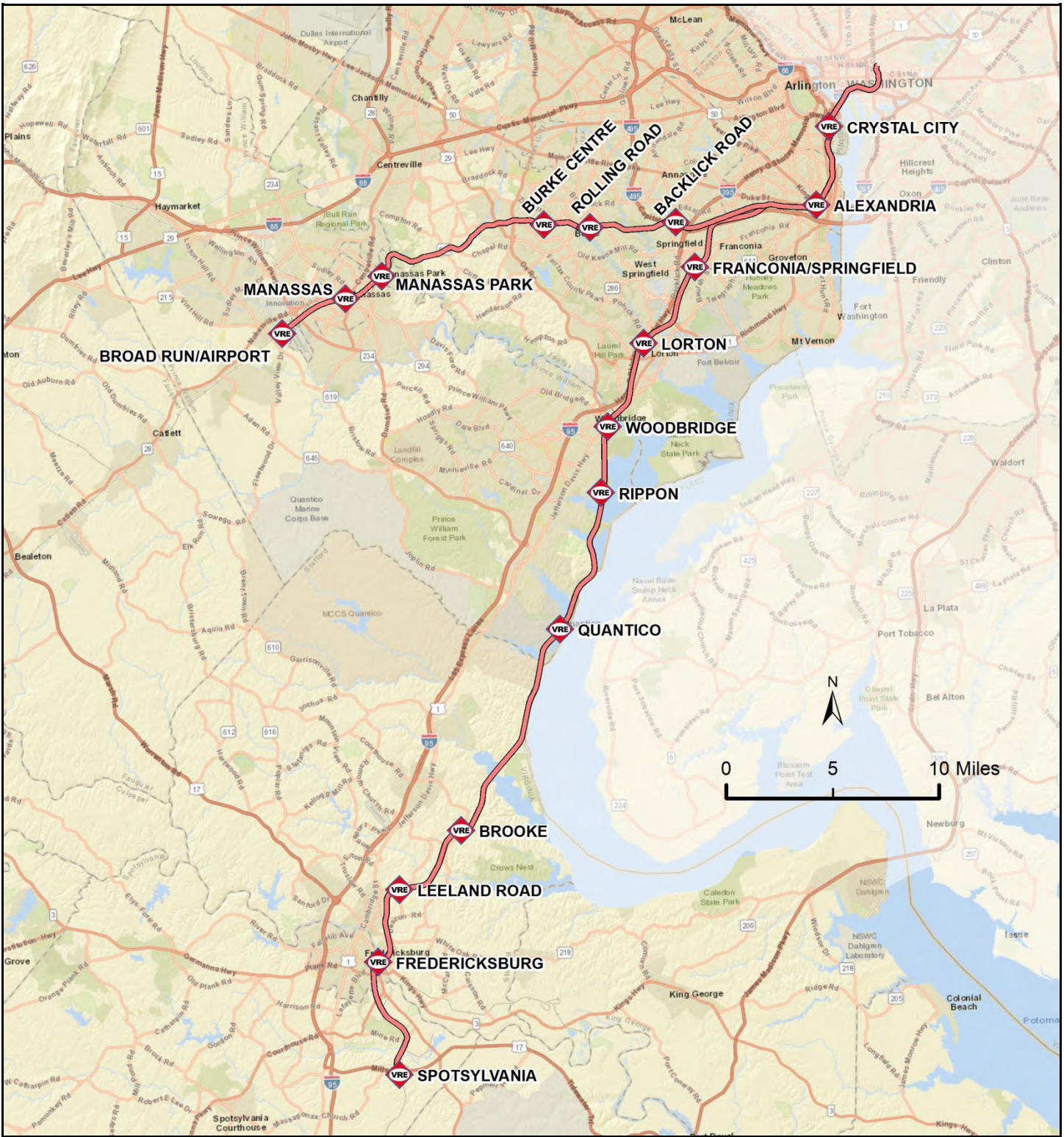
## VTrans2040 Multimodal Transportation Plan (VMTP) 2025 Tier 1 Recommendation Profile Based on Analysis of VMTP Needs Assessments

<b>Recommendation Details</b>	<b>Project Reference Number</b> <span style="border: 1px solid black; padding: 2px;">FRED16</span>
<b>Short Description</b> <span style="border: 1px solid black; padding: 2px;">VRE System Plan 2040 Phase 1 Improvements</span>	
<b>District</b> <span style="border: 1px solid black; padding: 2px;">Fredericksburg</span>	<b>Local Jurisdiction</b> <span style="border: 1px solid black; padding: 2px;">Multiple</span>
<b>VMTP Need Type</b> (Place X in all applicable boxes)	
<input checked="" type="checkbox"/> Corridor of Statewide Significance	<input checked="" type="checkbox"/> Regional Network
<input checked="" type="checkbox"/> UDAs	<input type="checkbox"/> Safety
<b>Needs Addressed from VMTP Needs Assessment</b> (List needs as numbered in reports)	
<span style="border: 1px solid black; padding: 2px;">Fredericksburg Needs B, D; CoSS Needs K3:D; UDA IDs 17, 61, 62</span>	
<b>Project Status:</b> <span style="border: 1px solid black; padding: 2px;">Partially funded in 2017-2022 SYIP (e.g. PE or ROW only, but not complete construction)</span>	

<b>Recommendation Features</b>	
<i>Type</i> (Place X in all applicable boxes)	
<input type="checkbox"/> Highway	<input type="checkbox"/> Bike/Pedestrian
<input type="checkbox"/> Bus Transit	<input checked="" type="checkbox"/> Rail Transit
<input type="checkbox"/> Freight Rail	<input type="checkbox"/> Travel Demand Management
<i>Detailed Description of Improvements</i>	
Phase 1 improvements from the VRE System Plan 2040 (2013) include additional rail cars, platform extensions, parking expansion, enhancements of storage facilities, and triple-tracking on the Fredericksburg Line. These improvements are located on both the Fredericksburg and Manassas lines and are anticipated to take place by 2020.	

<b>Potential Funding Sources</b>	
<i>(Place X in all applicable boxes)</i>	
<input checked="" type="checkbox"/> SMART SCALE	<input checked="" type="checkbox"/> TAP
<input checked="" type="checkbox"/> CMAQ	<input type="checkbox"/> HSIP
<input type="checkbox"/> Prescoping	<input type="checkbox"/> Other: <span style="border: 1px solid black; padding: 2px;"> </span>
<b>Estimated Project Cost (in \$M)</b> <span style="border: 1px solid black; padding: 2px;">\$ 311.42</span>	<b>Right of Way Required for Project</b> <input type="checkbox"/>

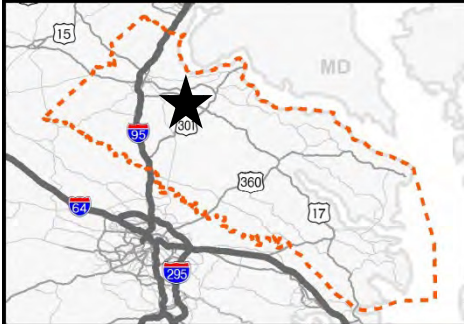
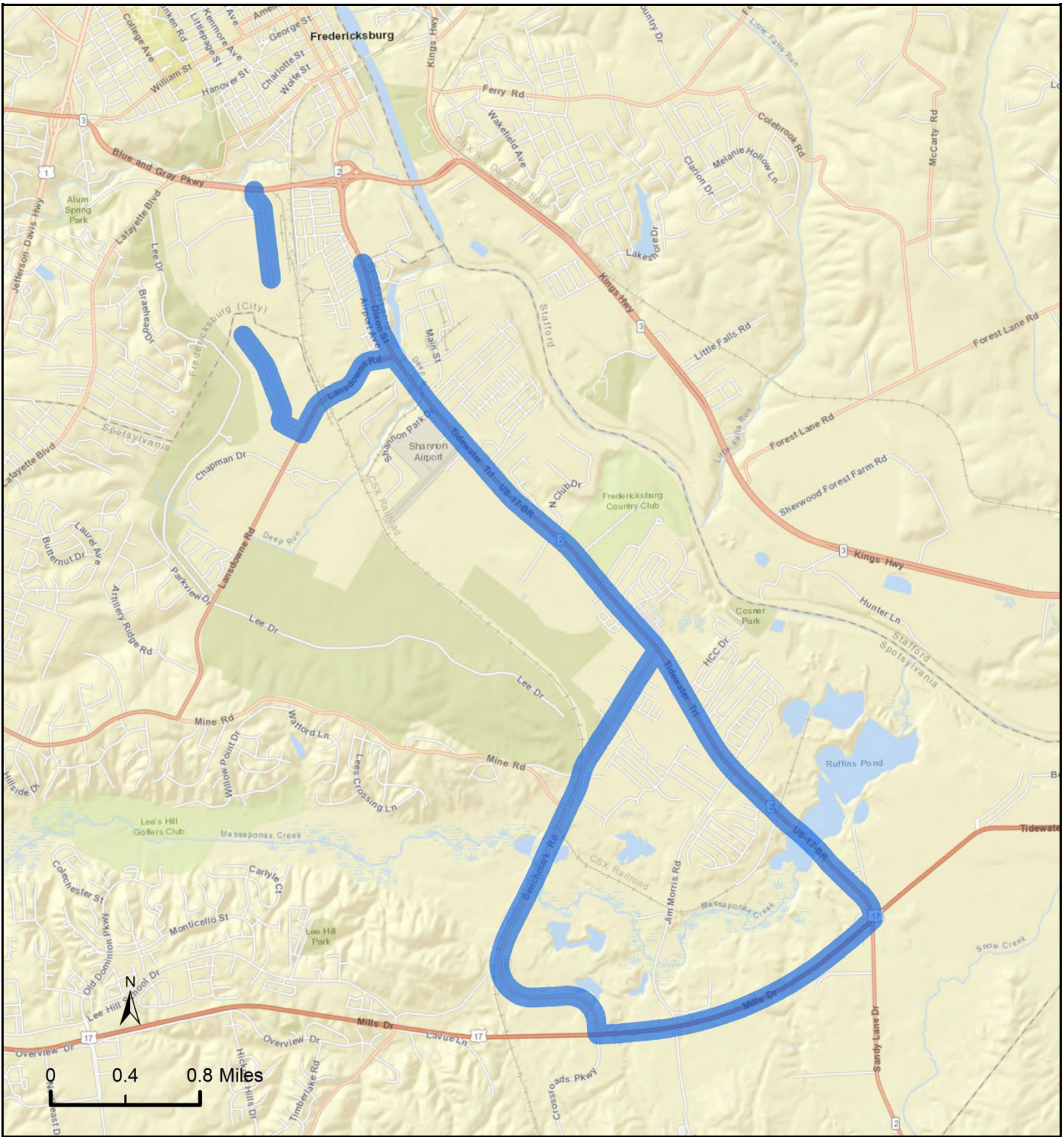
<b>If Applicable: Smart Scale Project Feasibility</b>	
<i>Based on Qualitative Review of Project</i>	
	<i>Comments</i>
Safety	Could result in large reduction in VMT in areas with high crash rates.
Congestion Mitigation	Could reduce VMT and congestion through increased rail ridership.
Accessibility	Station improvements include improved access for pedestrians/bicyclists.
Land Use	Could promote transportation efficient land uses.
Environment	Reduced VMT and congestion could improve air quality.
Economic Development	Supports local and regional plans for development near stations.



Project Reference Number: FRED16  
 Short Project Description: VRE System Plan 2040 Phase 1 Improvements  
 VDOT District: Fredericksburg  
 Local Jurisdiction: Multiple

## VTrans2040 Multimodal Transportation Plan (VMTP) 2025 Tier 1 Recommendation Profile Based on Analysis of VMTP Needs Assessments

<b>Recommendation Details</b>	<b>Project Reference Number</b> <span style="border: 1px solid black; padding: 2px;">FRED17</span>
<b>Short Description</b> <span style="border: 1px solid black; padding: 2px;">Implement Recommendations from Route 2/US 17-Business Corridor Study</span>	
<b>District</b> <span style="border: 1px solid black; padding: 2px;">Fredericksburg</span>	<b>Local Jurisdiction</b> <span style="border: 1px solid black; padding: 2px;">Spotsylvania County</span>
<b>VMTP Need Type</b> (Place X in all applicable boxes)	
<input type="checkbox"/> Corridor of Statewide Significance	<input checked="" type="checkbox"/> Regional Network
<input type="checkbox"/> UDAs	<input type="checkbox"/> Safety
<b>Needs Addressed from VMTP Needs Assessment</b> (List needs as numbered in reports)	
<span style="border: 1px solid black; padding: 2px;">Fredericksburg Needs E, G</span>	
<b>Project Status:</b>	<span style="border: 1px solid black; padding: 2px;">New, unique recommendation</span>
<b>Recommendation Features</b>	
<i>Type</i> (Place X in all applicable boxes)	
<input checked="" type="checkbox"/> Highway	<input type="checkbox"/> Bike/Pedestrian
<input type="checkbox"/> Bus Transit	<input type="checkbox"/> Rail Transit
<input type="checkbox"/> Freight Rail	<input type="checkbox"/> Travel Demand Management
<i>Detailed Description of Improvements</i>	
<span style="border: 1px solid black; padding: 5px;">Recommendations from the forthcoming Route 2/US 17-Business Corridor Study would include multimodal improvements addressing issues on Route 2/US 17-Business between Fredericksburg and US 17. Improvements, once identified, would be eligible for SMART SCALE.</span>	
<b>Potential Funding Sources</b>	
<i>(Place X in all applicable boxes)</i>	
<input checked="" type="checkbox"/> SMART SCALE	<input checked="" type="checkbox"/> TAP
<input checked="" type="checkbox"/> CMAQ	<input checked="" type="checkbox"/> HSIP
<input type="checkbox"/> Prescoping	<input type="checkbox"/> Other: <span style="border: 1px solid black; padding: 2px;"> </span>
<b>Estimated Project Cost (in \$M)</b>	<span style="border: 1px solid black; padding: 2px;">TBD</span>
<b>Right of Way Required for Project</b>	<input type="checkbox"/>
<b>If Applicable: Smart Scale Project Feasibility</b>	
<i>Based on Qualitative Review of Project</i>	
	<i>Comments</i>
Safety	<span style="border: 1px solid black; padding: 2px;">Could improve safety through access management, pavement marking, etc.</span>
Congestion Mitigation	<span style="border: 1px solid black; padding: 2px;">Could improve congestion through signal timing, lane re-configurations, added lanes.</span>
Accessibility	<span style="border: 1px solid black; padding: 2px;">Access management and bike/ped improvements could improve access.</span>
Land Use	<span style="border: 1px solid black; padding: 2px;">Could reduce congestion and provide multimodal access to commercial areas.</span>
Environment	<span style="border: 1px solid black; padding: 2px;">Reduced congestion could improve air quality.</span>
Economic Development	<span style="border: 1px solid black; padding: 2px;">Supports local plans for development.</span>



**Project Reference Number:** FRED17

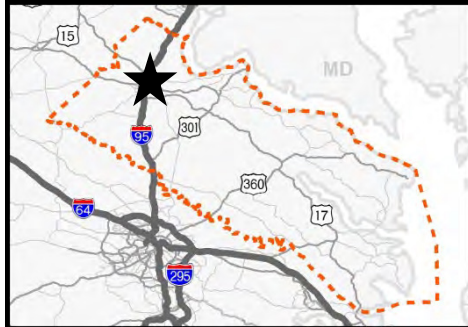
**Short Project Description:** Implement Recommendations from Route 2/US 17-Business Corridor Study

**VDOT District:** Fredericksburg

**Local Jurisdiction:** Spotsylvania County

## VTrans2040 Multimodal Transportation Plan (VMTP) 2025 Tier 1 Recommendation Profile Based on Analysis of VMTP Needs Assessments

<b>Recommendation Details</b>	<b>Project Reference Number</b> <input style="width: 80%;" type="text" value="FRED18"/>
<b>Short Description</b> <input style="width: 98%;" type="text" value="Implement Recommendations from Route 3 STARS Study"/>	
<b>District</b> <input style="width: 90%;" type="text" value="Fredericksburg"/>	<b>Local Jurisdiction</b> <input style="width: 90%;" type="text" value="Fredericksburg City"/>
<b>VMTP Need Type</b> (Place X in all applicable boxes) <input type="checkbox"/> Corridor of Statewide Significance <input checked="" type="checkbox"/> Regional Network <input type="checkbox"/> UDAs <input type="checkbox"/> Safety	
<b>Needs Addressed from VMTP Needs Assessment</b> (List needs as numbered in reports) <input style="width: 98%;" type="text" value="Fredericksburg Need F"/>	
<b>Project Status:</b> <input style="width: 80%;" type="text" value="New, unique recommendation"/>	
<b>Recommendation Features</b> <i>Type</i> (Place X in all applicable boxes) <input checked="" type="checkbox"/> Highway <input type="checkbox"/> Bike/Pedestrian <input type="checkbox"/> Bus Transit <input type="checkbox"/> Rail Transit <input type="checkbox"/> Freight Rail <input type="checkbox"/> Travel Demand Management	
<i>Detailed Description of Improvements</i> <input style="width: 98%;" type="text" value="Recommendations from the forthcoming Route 3 STARS Study would include low-cost improvements addressing safety and congestion issues on Route 3 between I-95 and Route 2 in Fredericksburg. Funding for this study is currently being sought through the Strategically Targeted Affordable Roadway Solutions (STARS) grant. Improvements, once identified, would be eligible for SMART SCALE."/>	
<b>Potential Funding Sources</b> (Place X in all applicable boxes) <input checked="" type="checkbox"/> SMART SCALE <input checked="" type="checkbox"/> TAP <input checked="" type="checkbox"/> CMAQ <input checked="" type="checkbox"/> HSIP <input type="checkbox"/> Prescoping <input type="checkbox"/> Other: <input style="width: 80%;" type="text" value="STARS"/>	
Estimated Project Cost (in \$M) <input style="width: 80%;" type="text" value="TBD"/>	Right of Way Required for Project <input type="checkbox"/>
<b>If Applicable: Smart Scale Project Feasibility</b> Based on Qualitative Review of Project	
	<i>Comments</i>
Safety	<input style="width: 98%;" type="text" value="Could improve safety through access management, pavement marking, etc."/>
Congestion Mitigation	<input style="width: 98%;" type="text" value="Could improve congestion through signal timing, lane re-configurations, added lanes."/>
Accessibility	<input style="width: 98%;" type="text" value="Access management and bike/ped improvements could improve access."/>
Land Use	<input style="width: 98%;" type="text" value="Could reduce congestion and provide multimodal access to commercial areas."/>
Environment	<input style="width: 98%;" type="text" value="Reduced congestion could improve air quality."/>
Economic Development	<input style="width: 98%;" type="text" value="Supports local plans for development."/>



Project Reference Number: FRED18

Short Project Description: Implement Recommendations from Route 3 STARS Study

VDOT District: Fredericksburg

Local Jurisdiction: Fredericksburg City

## VTrans2040 Multimodal Transportation Plan (VMTP)

### 2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

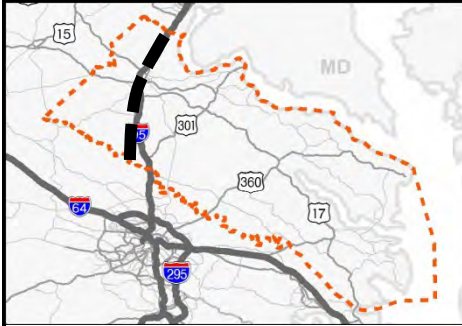
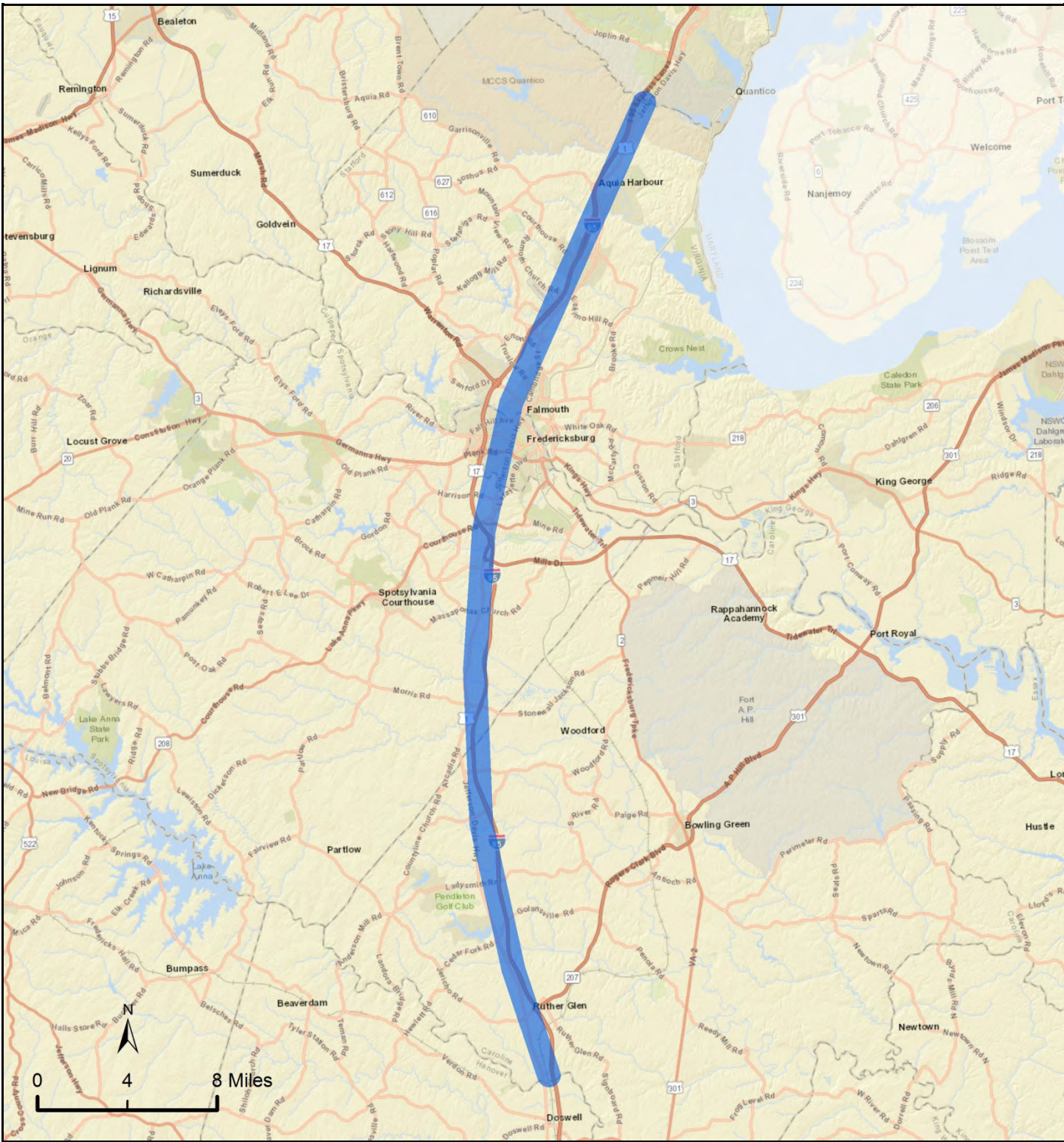
<b>Recommendation Details</b>	<b>Project Reference Number</b> <span style="border: 1px solid black; padding: 2px;">FRED19</span>
<b>Short Description</b> <span style="border: 1px solid black; padding: 2px;">Implement Recommendations of FAMPO's I-95 Corridor Study</span>	
<b>District</b> <span style="border: 1px solid black; padding: 2px;">Fredericksburg</span>	<b>Local Jurisdiction</b> <span style="border: 1px solid black; padding: 2px;">Multiple</span>
<b>VMTP Need Type</b> (Place X in all applicable boxes) <input checked="" type="checkbox"/> Corridor of Statewide Significance <input type="checkbox"/> Regional Network <input checked="" type="checkbox"/> UDAs <input type="checkbox"/> Safety	
<b>Needs Addressed from VMTP Needs Assessment</b> (List needs as numbered in reports) <span style="border: 1px solid black; padding: 2px;">CoSS Needs K3:X, K3:Y, K3:AA, K3:AB; UDA ID 17</span>	
<b>Project Status:</b>	<span style="border: 1px solid black; padding: 2px;">Recommendation recently within a Transit Development Plan, VDOT, DRPT, transit provider, MPO , PDC, or other local planning document</span>

<b>Recommendation Features</b>	
<i>Type (Place X in all applicable boxes)</i>	
<input checked="" type="checkbox"/> Highway <input type="checkbox"/> Bike/Pedestrian <input type="checkbox"/> Bus Transit <input type="checkbox"/> Rail Transit <input type="checkbox"/> Freight Rail <input type="checkbox"/> Travel Demand Management	
<i>Detailed Description of Improvements</i>	
The FAMPO I-95 Corridor Study is a master plan for the I-95 corridor from Quantico to Massaponax, aimed at addressing congestion in the context of forecasted population growth and economic development. Phase 1 of the study recommended several projects, some of which were submitted for SMART SCALE Round 2. Phase 1 recommendations include the extension of Express Lanes to Exit 133, interchange improvements at several exits, a system of collector-distributor roads, and a new interchange at Harrison Road. Phase 2 of the study is currently underway. The estimate project cost below represents the lower estimate for improvements for Phase 1, some of which are included under other project recommendations.	

<b>Potential Funding Sources</b>	
<i>(Place X in all applicable boxes)</i>	
<input checked="" type="checkbox"/> SMART SCALE <input type="checkbox"/> TAP <input type="checkbox"/> CMAQ <input checked="" type="checkbox"/> HSIP <input type="checkbox"/> Prescoping <input type="checkbox"/> Other: <span style="border: 1px solid black; padding: 2px;"> </span>	
Estimated Project Cost (in \$M)	<span style="border: 1px solid black; padding: 2px;">\$ 738.48</span> Right of Way Required for Project <input checked="" type="checkbox"/>

<b>If Applicable: Smart Scale Project Feasibility</b>	
<i>Based on Qualitative Review of Project</i>	
	<i>Comments</i>
Safety	<span style="border: 1px solid black; padding: 2px;">Could address safety issues related to congestion.</span>
Congestion Mitigation	<span style="border: 1px solid black; padding: 2px;">Would provide additional capacity to mitigate congestion.</span>
Accessibility	<span style="border: 1px solid black; padding: 2px;">Would provide additional access for non-SOVs.</span>
Land Use	<span style="border: 1px solid black; padding: 2px;">Would address congestion in an area of rapid growth.</span>
Environment	<span style="border: 1px solid black; padding: 2px;">Reduced congestion and increased non-SOVs could improve air quality.</span>
Economic Development	<span style="border: 1px solid black; padding: 2px;">Supports local and regional plans for growth and could improve roadway freight flows.</span>

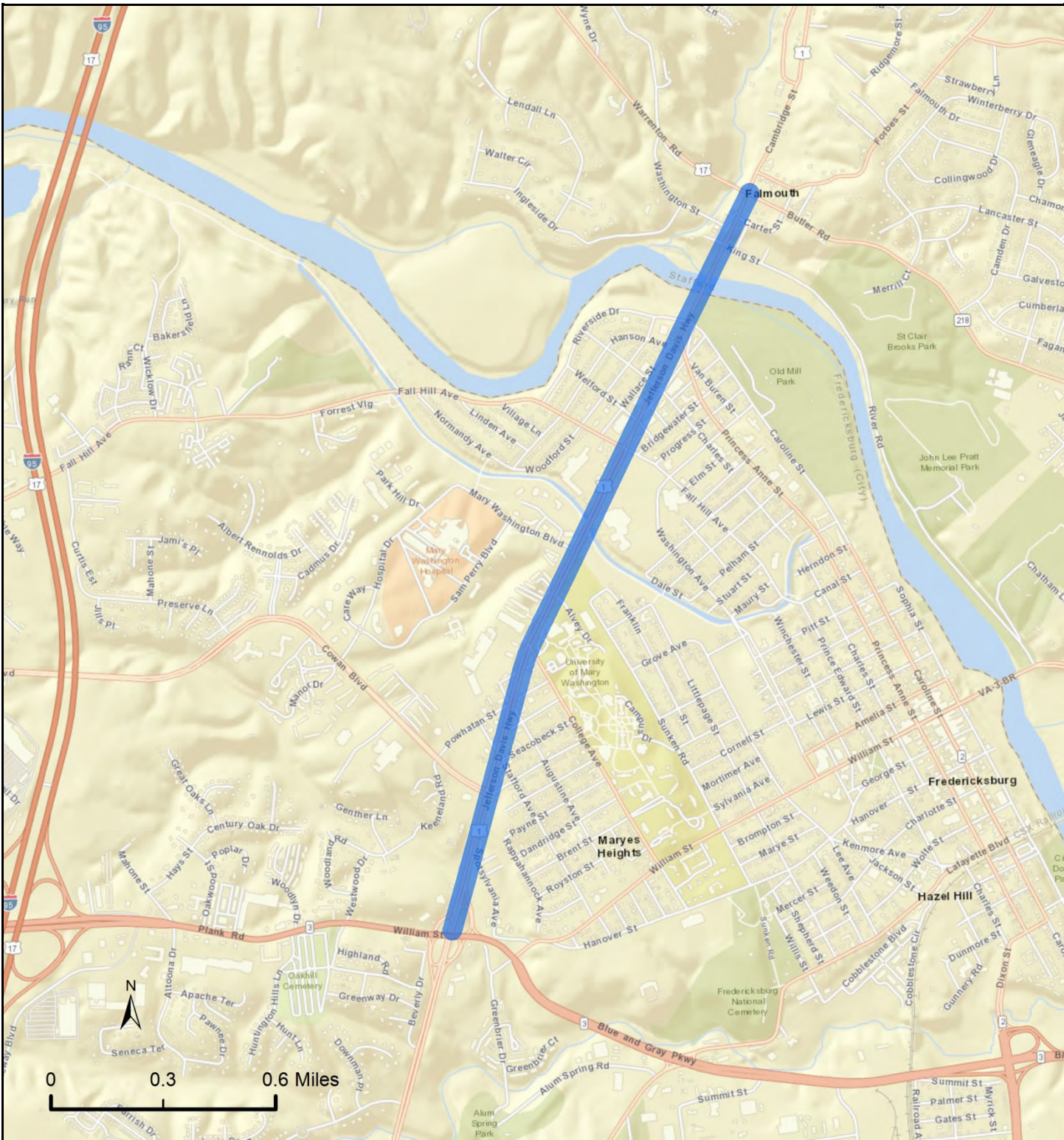




Project Reference Number: FRED19  
 Short Project Description: Implement Recommendations of FAMPO's I-95 Study  
 VDOT District: Fredericksburg  
 Local Jurisdiction: Multiple

## VTrans2040 Multimodal Transportation Plan (VMTP) 2025 Tier 1 Recommendation Profile Based on Analysis of VMTP Needs Assessments

<b>Recommendation Details</b>	<b>Project Reference Number</b> <input style="width: 100%;" type="text" value="FRED20"/>
<b>Short Description</b> <input style="width: 100%;" type="text" value="Implement Recommendations from US 1 STARS Study"/>	
<b>District</b> <input style="width: 100%;" type="text" value="Fredericksburg"/>	<b>Local Jurisdiction</b> <input style="width: 100%;" type="text" value="Multiple"/>
<b>VMTP Need Type</b> (Place X in all applicable boxes)	
<input checked="" type="checkbox"/> Corridor of Statewide Significance	<input checked="" type="checkbox"/> Regional Network
<input type="checkbox"/> UDAs	<input type="checkbox"/> Safety
<b>Needs Addressed from VMTP Needs Assessment</b> (List needs as numbered in reports)	
<input style="width: 100%;" type="text" value="Fredericksburg Need C; CoSS Needs K3:l"/>	
<b>Project Status:</b> <input style="width: 100%;" type="text" value="New, unique recommendation"/>	
<b>Recommendation Features</b>	
<i>Type</i> (Place X in all applicable boxes)	
<input checked="" type="checkbox"/> Highway	<input type="checkbox"/> Bike/Pedestrian
<input type="checkbox"/> Bus Transit	<input type="checkbox"/> Rail Transit
<input type="checkbox"/> Freight Rail	<input type="checkbox"/> Travel Demand Management
<i>Detailed Description of Improvements</i>	
<input style="width: 100%; height: 100%;" type="text" value="Recommendations from the forthcoming US 1 STARS Study would include low-cost improvements addressing safety and congestion issues on US 1 between Falmouth and Route 3. Improvements, once identified, would be eligible for SMART SCALE."/>	
<b>Potential Funding Sources</b>	
<i>(Place X in all applicable boxes)</i>	
<input checked="" type="checkbox"/> SMART SCALE	<input checked="" type="checkbox"/> TAP
<input checked="" type="checkbox"/> CMAQ	<input checked="" type="checkbox"/> HSIP
<input type="checkbox"/> Prescoping	<input type="checkbox"/> Other: <input style="width: 100%;" type="text" value="STARS"/>
<b>Estimated Project Cost (in \$M)</b> <input style="width: 100%;" type="text" value="TBD"/>	<b>Right of Way Required for Project</b> <input type="checkbox"/>
<b>If Applicable: Smart Scale Project Feasibility</b>	
<i>Based on Qualitative Review of Project</i>	
	<i>Comments</i>
Safety	<input style="width: 100%;" type="text" value="Could improve safety through access management, pavement marking, etc."/>
Congestion Mitigation	<input style="width: 100%;" type="text" value="Could improve congestion through signal timing, lane re-configurations, added lanes."/>
Accessibility	<input style="width: 100%;" type="text" value="Access management and bike/ped improvements could improve access."/>
Land Use	<input style="width: 100%;" type="text" value="Could reduce congestion and provide multimodal access to commercial areas."/>
Environment	<input style="width: 100%;" type="text" value="Reduced congestion could improve air quality."/>
Economic Development	<input style="width: 100%;" type="text" value="Supports local plans for development."/>



**Project Reference Number:** FRED20  
**Short Project Description:** Implement Recommendations from US 1 STARS Study  
**VDOT District:** Fredericksburg  
**Local Jurisdiction:** Multiple

## VTrans2040 Multimodal Transportation Plan (VMTP)

### 2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

<b>Recommendation Details</b>	<b>Project Reference Number</b> <input style="width: 90%;" type="text" value="FRED21"/>
Short Description <input style="width: 98%;" type="text" value="I-95 ICM Program Improvements (ITS)"/>	
District <input style="width: 95%;" type="text" value="Fredericksburg"/>	Local Jurisdiction <input style="width: 95%;" type="text" value="Multiple"/>
VMTP Need Type (Place X in all applicable boxes) <input checked="" type="checkbox"/> Corridor of Statewide Significance <input type="checkbox"/> Regional Network <input checked="" type="checkbox"/> UDAs <input type="checkbox"/> Safety	
Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports) <input style="width: 98%;" type="text" value="CoSS Need K3:X; UDA ID 17"/>	
Project Status:	<input style="width: 98%;" type="text" value="Recommendation recently within a Transit Development Plan, VDOT, DRPT, transit provider, MPO , PDC, or other local planning document"/>

<b>Recommendation Features</b>	
Type (Place X in all applicable boxes)	
<input checked="" type="checkbox"/> Highway <input type="checkbox"/> Bike/Pedestrian <input type="checkbox"/> Bus Transit <input type="checkbox"/> Rail Transit <input type="checkbox"/> Freight Rail <input type="checkbox"/> Travel Demand Management	
Detailed Description of Improvements <input style="width: 98%; height: 80px;" type="text" value="Project would, through ITS, parking, and arterial improvements, holistically coordinate individual transportation subsystems in the I-95 corridor to make them operate more collaboratively. Improvements include multimodal traveler information systems, dynamic ramp metering, parking management systems, decision support systems, and arterial operations improvements parallel to the corridor. Estimated costs are for annual operation of these systems, as reported by the Virginia Center for Transportation Innovation and Research's 'Identifying and Prototyping Integrated Corridor Management Strategies for Application in Virginia' (2014)."/>	

<b>Potential Funding Sources</b>	
(Place X in all applicable boxes)	
<input checked="" type="checkbox"/> SMART SCALE <input checked="" type="checkbox"/> TAP <input checked="" type="checkbox"/> CMAQ <input type="checkbox"/> HSIP <input type="checkbox"/> Prescoping <input type="checkbox"/> Other: <input style="width: 150px;" type="text"/>	
Estimated Project Cost (in \$M)	<input style="width: 100px;" type="text" value="\$ 7.45"/> Right of Way Required for Project <input type="checkbox"/>

<b>If Applicable: Smart Scale Project Feasibility</b>	
Based on Qualitative Review of Project	
	<i>Comments</i>
Safety	<input style="width: 98%;" type="text" value="ICM/TDM efforts could reduce VMT in areas with high crash rates."/>
Congestion Mitigation	<input style="width: 98%;" type="text" value="Could reduce VMT and congestion through a variety of TDM strategies."/>
Accessibility	<input style="width: 98%;" type="text" value="Improves access to locations currently inaccessible due to congestion."/>
Land Use	<input style="width: 98%;" type="text" value="Improves access to land in rapidly developing area."/>
Environment	<input style="width: 98%;" type="text" value="Reduced VMT and congestion could improve air quality."/>
Economic Development	<input style="width: 98%;" type="text" value="Supports local and regional plans for growth in the area."/>



## VTrans2040 Multimodal Transportation Plan (VMTP) 2025 Tier 1 Recommendation Profile

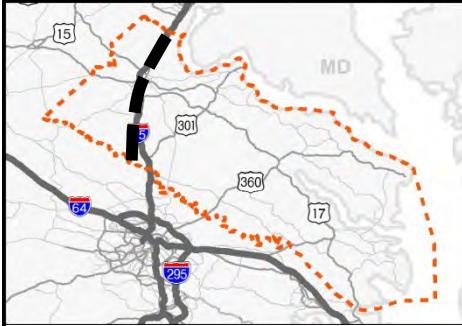
Based on Analysis of VMTP Needs Assessments

<b>Recommendation Details</b>	<b>Project Reference Number</b> <input style="width: 90%;" type="text" value="FRED22"/>
Short Description <input style="width: 98%;" type="text" value="Identify Key Projects from the forthcoming I-95/I-395 Transit/TDM Study by DRPT"/>	
District <input style="width: 95%;" type="text" value="Fredericksburg"/>	Local Jurisdiction <input style="width: 95%;" type="text" value="Multiple"/>
VMTP Need Type (Place X in all applicable boxes) <input checked="" type="checkbox"/> Corridor of Statewide Significance <input type="checkbox"/> Regional Network <input checked="" type="checkbox"/> UDAs <input type="checkbox"/> Safety	
Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports) <input style="width: 98%;" type="text" value="CoSS Needs K3:X, K3:Y, K3:AA, K3:AB; UDA ID 17"/>	
Project Status:	<input style="width: 98%;" type="text" value="Recommendation recently within a Transit Development Plan, VDOT, DRPT, transit provider, MPO, PDC, or other local planning document"/>

<b>Recommendation Features</b>	
Type (Place X in all applicable boxes) <input checked="" type="checkbox"/> Highway <input type="checkbox"/> Bike/Pedestrian <input type="checkbox"/> Bus Transit <input type="checkbox"/> Rail Transit <input type="checkbox"/> Freight Rail <input type="checkbox"/> Travel Demand Management	
Detailed Description of Improvements <input style="width: 98%;" type="text" value="Project would identify and implement key projects recommended by the I-95/I-395 Transit/TDM Study, which will be released in the near future by the Virginia Department of Rail and Public Transportation."/>  <input style="width: 98%;" type="text" value="Once specific improvements have been identified, key projects from the I-95/I-395 Transit/TDM Study would be eligible for SmartScale and are reviewed below as a SmartScale-ready projects."/>	

<b>Potential Funding Sources</b>	
(Place X in all applicable boxes) <input checked="" type="checkbox"/> SMART SCALE <input checked="" type="checkbox"/> TAP <input checked="" type="checkbox"/> CMAQ <input type="checkbox"/> HSIP <input type="checkbox"/> Prescoping <input type="checkbox"/> Other: <input style="width: 150px;" type="text"/>	
Estimated Project Cost (in \$M) <input style="width: 100px;" type="text" value="TBD"/>	Right of Way Required for Project <input type="checkbox"/>

<b>If Applicable: Smart Scale Project Feasibility</b>	Comments
Safety	<input style="width: 98%;" type="text" value="Could reduce VMT in areas with high crash rates."/>
Congestion Mitigation	<input style="width: 98%;" type="text" value="Could reduce VMT and congestion through transit and TDM strategies."/>
Accessibility	<input style="width: 98%;" type="text" value="Could improve access for transit riders and non-SOV motorists."/>
Land Use	<input style="width: 98%;" type="text" value="Improved access and reduced congestion in rapidly developing areas."/>
Environment	<input style="width: 98%;" type="text" value="Reduced VMT and congestion could improve air quality."/>
Economic Development	<input style="width: 98%;" type="text" value="Supports local and regional plans for growth through TDM and transit strategies."/>



**Project Reference Number:** FRED22

**Short Project Description:** Identify Key Projects from the forthcoming I-95/I-395 Transit/TDM Study by DRPT

**VDOT District:** Fredericksburg

**Local Jurisdiction:** Multiple

## VTrans2040 Multimodal Transportation Plan (VMTP) 2025 Tier 1 Recommendation Profile Based on Analysis of VMTP Needs Assessments

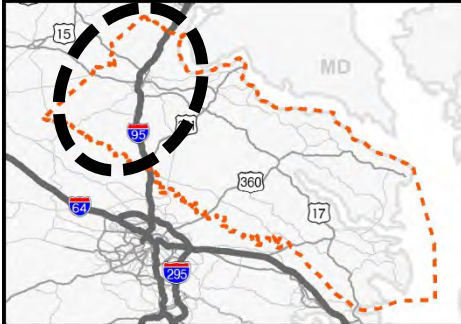
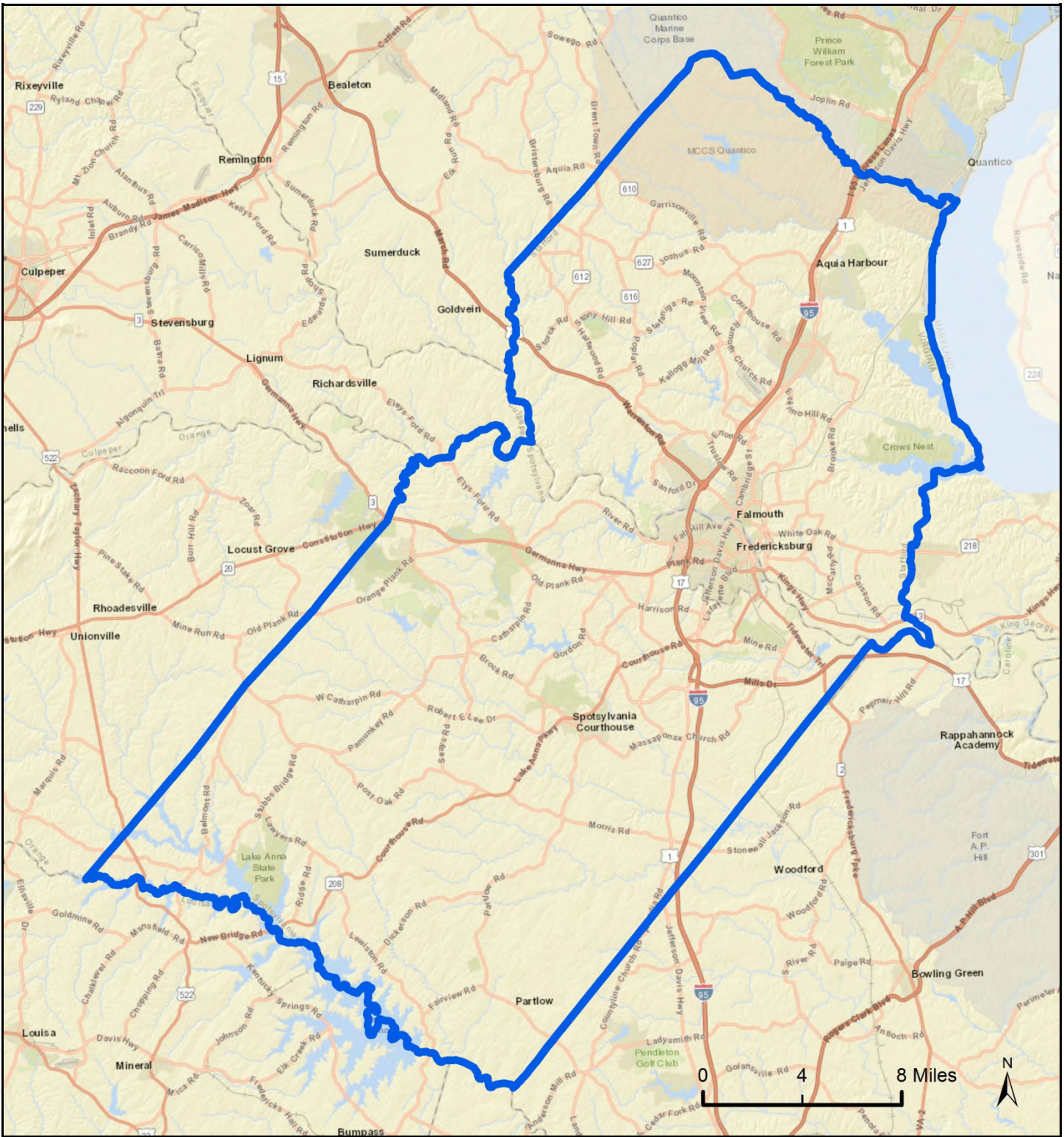
<b>Recommendation Details</b>	<b>Project Reference Number</b> <span style="border: 1px solid black; padding: 2px;">FRED23</span>
<b>Short Description</b> <span style="border: 1px solid black; padding: 2px;">Transportation System Management/Park-and-Ride Lots</span>	
<b>District</b> <span style="border: 1px solid black; padding: 2px;">Fredericksburg</span>	<b>Local Jurisdiction</b> <span style="border: 1px solid black; padding: 2px;">Multiple</span>
<b>VMTP Need Type</b> (Place X in all applicable boxes)	
<input type="checkbox"/> Corridor of Statewide Significance	<input checked="" type="checkbox"/> Regional Network
<input type="checkbox"/> Safety	<input checked="" type="checkbox"/> UDAs
<b>Needs Addressed from VMTP Needs Assessment</b> (List needs as numbered in reports)	
<span style="border: 1px solid black; padding: 2px;">Fredericksburg Need E; UDA ID 17</span>	
<b>Project Status:</b> <span style="border: 1px solid black; padding: 2px;">Project defined and identified for funding within a fiscally constrained MPO L RTP</span>	

<b>Recommendation Features</b>	
<i>Type</i> (Place X in all applicable boxes)	
<input type="checkbox"/> Highway	<input type="checkbox"/> Bike/Pedestrian
<input type="checkbox"/> Bus Transit	<input type="checkbox"/> Rail Transit
<input type="checkbox"/> Freight Rail	<input checked="" type="checkbox"/> Travel Demand Management
<i>Detailed Description of Improvements</i>	
<p>The Fredericksburg Area Metropolitan Planning Organization (FAMPO) Financially Constrained Long-Range Highway Plan identifies the need for more than 6,000 additional parking spaces in the region by 2040. Improvements would also include traveler information systems advertising space availability at new and existing lots. Locations of new or expanded lots in the region have not been fully identified to date. Once specific improvements have been identified, Park-and-Ride lot improvements would be eligible for SmartScale and are reviewed below as a SmartScale-ready projects. The estimated project cost below assumes that approximately one-third of the needed parking spaces (~2,000 spaces) would be funded through 2025.</p>	

<b>Potential Funding Sources</b>	
<i>(Place X in all applicable boxes)</i>	
<input checked="" type="checkbox"/> SMART SCALE	<input checked="" type="checkbox"/> TAP
<input checked="" type="checkbox"/> CMAQ	<input type="checkbox"/> HSIP
<input type="checkbox"/> Prescoping	<input checked="" type="checkbox"/> Other: <span style="border: 1px solid black; padding: 2px;">RSTP</span>
<b>Estimated Project Cost (in \$M)</b> <span style="border: 1px solid black; padding: 2px;">\$ 46.22</span>	<b>Right of Way Required for Project</b> <input type="checkbox"/>

<b>If Applicable: Smart Scale Project Feasibility</b>	
<i>Based on Qualitative Review of Project</i>	
	<i>Comments</i>
Safety	Reduction of SOVs would reduce VMT in areas with high crash rates.
Congestion Mitigation	Could reduce VMT and congestion in the area.
Accessibility	Improved access to carpool and commuter bus services.
Land Use	Could expand lots in areas being developed as mixed use.
Environment	Reduced VMT and congestion could improve air quality.
Economic Development	Supports local and regional plans for growth in area.





Project Reference Number: FRED23  
 Short Project Description: Transportation System Management/Park-and-Ride Lots  
 VDOT District: Fredericksburg  
 Local Jurisdiction: Multiple

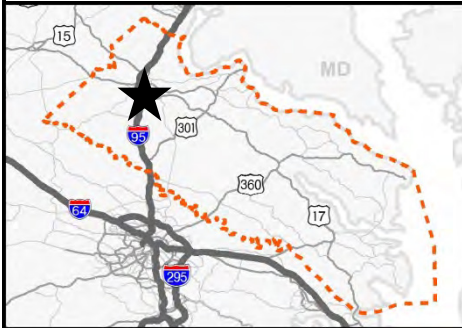
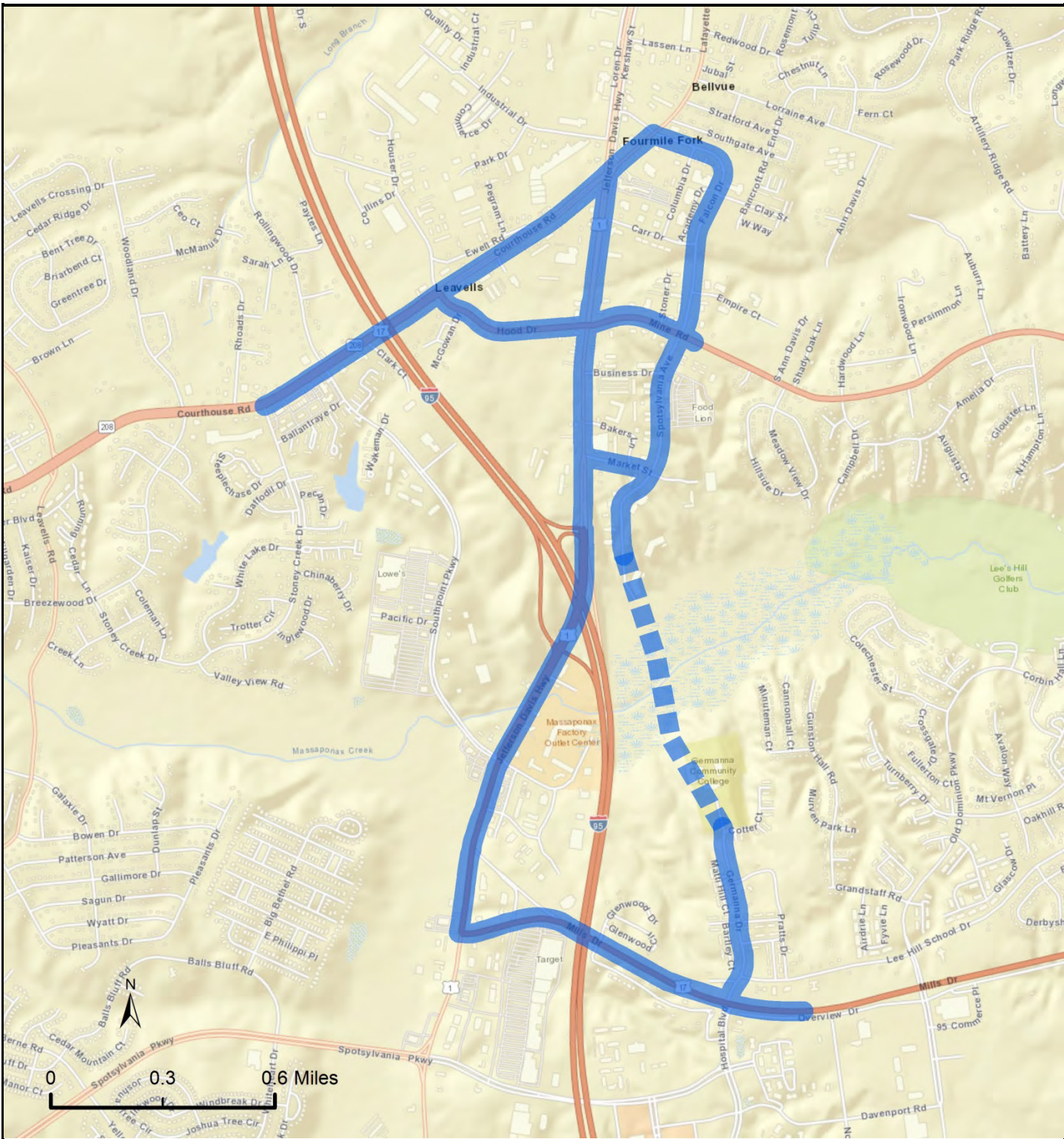
## VTrans2040 Multimodal Transportation Plan (VMTP) 2025 Tier 1 Recommendation Profile Based on Analysis of VMTP Needs Assessments

<b>Recommendation Details</b>	<b>Project Reference Number</b> <input style="width: 80%;" type="text" value="FRED24"/>
<b>Short Description</b> <input style="width: 100%;" type="text" value="Implement Recommendations from US 1/ Route 208 Corridor Study"/>	
<b>District</b> <input style="width: 90%;" type="text" value="Fredericksburg"/>	<b>Local Jurisdiction</b> <input style="width: 90%;" type="text" value="Spotsylvania County"/>
<b>VMTP Need Type</b> (Place X in all applicable boxes) <input type="checkbox"/> Corridor of Statewide Significance <input checked="" type="checkbox"/> Regional Network <input type="checkbox"/> UDAs <input type="checkbox"/> Safety	
<b>Needs Addressed from VMTP Needs Assessment</b> (List needs as numbered in reports) <input style="width: 100%;" type="text" value="Fredericksburg Need E"/>	
<b>Project Status:</b> <input style="width: 80%;" type="text" value="New, unique recommendation"/>	

<b>Recommendation Features</b> <i>Type</i> (Place X in all applicable boxes)	
<input checked="" type="checkbox"/> Highway	<input type="checkbox"/> Bike/Pedestrian
<input type="checkbox"/> Bus Transit	<input type="checkbox"/> Rail Transit
<input type="checkbox"/> Freight Rail	<input type="checkbox"/> Travel Demand Management
<b>Detailed Description of Improvements</b> <input style="width: 100%; height: 100%;" type="text" value="Recommendations from the forthcoming US 1/ Route 208 Corridor Study would include multimodal improvements addressing issues on US 1 between Route 208 and US 17 and Route 208 between US 1 and Southpoint Parkway. Investigating a potential connection between Germanna Point Drive and Spotsylvania Avenue, which would provide an alternate route route parallel to I-95 and US 1. Improvements, once identified, would be eligible for SMART SCALE."/>	

<b>Potential Funding Sources</b> (Place X in all applicable boxes)	
<input checked="" type="checkbox"/> SMART SCALE	<input checked="" type="checkbox"/> TAP
<input checked="" type="checkbox"/> CMAQ	<input checked="" type="checkbox"/> HSIP
<input type="checkbox"/> Prescoping	<input type="checkbox"/> Other: <input style="width: 150%;" type="text"/>
<b>Estimated Project Cost (in \$M)</b> <input style="width: 100%;" type="text" value="TBD"/>	<b>Right of Way Required for Project</b> <input type="checkbox"/>

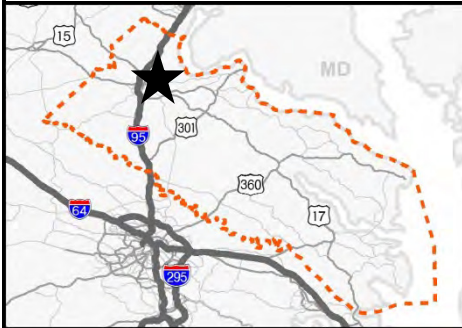
<b>If Applicable: Smart Scale Project Feasibility</b> Based on Qualitative Review of Project	
	<i>Comments</i>
Safety	<input style="width: 100%;" type="text" value="Could improve safety through access management, pavement marking, etc."/>
Congestion Mitigation	<input style="width: 100%;" type="text" value="Could improve congestion through signal timing, lane re-configurations, added lanes."/>
Accessibility	<input style="width: 100%;" type="text" value="Access management and bike/ped improvements could improve access."/>
Land Use	<input style="width: 100%;" type="text" value="Could reduce congestion and provide multimodal access to commercial areas."/>
Environment	<input style="width: 100%;" type="text" value="Reduced congestion could improve air quality."/>
Economic Development	<input style="width: 100%;" type="text" value="Supports local plans for development."/>



Project Reference Number: FRED24  
 Short Project Description: Implement Recommendations from US 1/ Route 208 Corridor Study  
 VDOT District: Fredericksburg  
 Local Jurisdiction: Stafford County

## VTrans2040 Multimodal Transportation Plan (VMTP) 2025 Tier 1 Recommendation Profile Based on Analysis of VMTP Needs Assessments

<b>Recommendation Details</b>	<b>Project Reference Number</b> <input style="width: 100%;" type="text" value="FRED25"/>
<b>Short Description</b> <input style="width: 100%;" type="text" value="Implement Recommendations from US 17-Business STARS Study"/>	
<b>District</b> <input style="width: 100%;" type="text" value="Fredericksburg"/>	<b>Local Jurisdiction</b> <input style="width: 100%;" type="text" value="Stafford County"/>
<b>VMTP Need Type</b> (Place X in all applicable boxes) <input type="checkbox"/> Corridor of Statewide Significance <input checked="" type="checkbox"/> Regional Network <input type="checkbox"/> UDAs <input type="checkbox"/> Safety	
<b>Needs Addressed from VMTP Needs Assessment</b> (List needs as numbered in reports) <input style="width: 100%;" type="text" value="Fredericksburg Need G"/>	
<b>Project Status:</b> <input style="width: 100%;" type="text" value="New, unique recommendation"/>	
<b>Recommendation Features</b> Type (Place X in all applicable boxes) <input checked="" type="checkbox"/> Highway <input type="checkbox"/> Bike/Pedestrian <input type="checkbox"/> Bus Transit <input type="checkbox"/> Rail Transit <input type="checkbox"/> Freight Rail <input type="checkbox"/> Travel Demand Management	
<b>Detailed Description of Improvements</b> <input style="width: 100%; height: 100%;" type="text" value="Recommendations from the forthcoming US 17-Business STARS Study would include low-cost improvements addressing safety and congestion issues on US 17-Business between I-95 and US 1 in Falmouth. Funding for this study is currently being sought through the Strategically Targeted Affordable Roadway Solutions (STARS) grant. Improvements, once identified, would be eligible for SMART SCALE."/>	
<b>Potential Funding Sources</b> (Place X in all applicable boxes) <input checked="" type="checkbox"/> SMART SCALE <input checked="" type="checkbox"/> TAP <input checked="" type="checkbox"/> CMAQ <input checked="" type="checkbox"/> HSIP <input type="checkbox"/> Prescoping <input type="checkbox"/> Other: <input style="width: 100%;" type="text" value="STARS"/>	
Estimated Project Cost (in \$M) <input style="width: 100%;" type="text" value="TBD"/>	Right of Way Required for Project <input type="checkbox"/>
<b>If Applicable: Smart Scale Project Feasibility</b> Based on Qualitative Review of Project	
	<i>Comments</i>
Safety	<input style="width: 100%;" type="text" value="Could improve safety through access management, pavement marking, etc."/>
Congestion Mitigation	<input style="width: 100%;" type="text" value="Could improve congestion through signal timing, lane re-configurations, added lanes."/>
Accessibility	<input style="width: 100%;" type="text" value="Access management and bike/ped improvements could improve access."/>
Land Use	<input style="width: 100%;" type="text" value="Could reduce congestion and provide multimodal access to commercial areas."/>
Environment	<input style="width: 100%;" type="text" value="Reduced congestion could improve air quality."/>
Economic Development	<input style="width: 100%;" type="text" value="Supports local plans for development."/>



Project Reference Number: FRED25

Short Project Description: Implement Recommendations from US 17-Business STARS Study

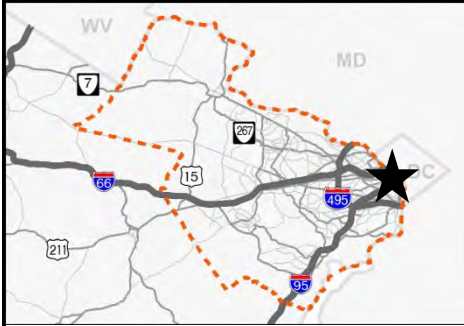
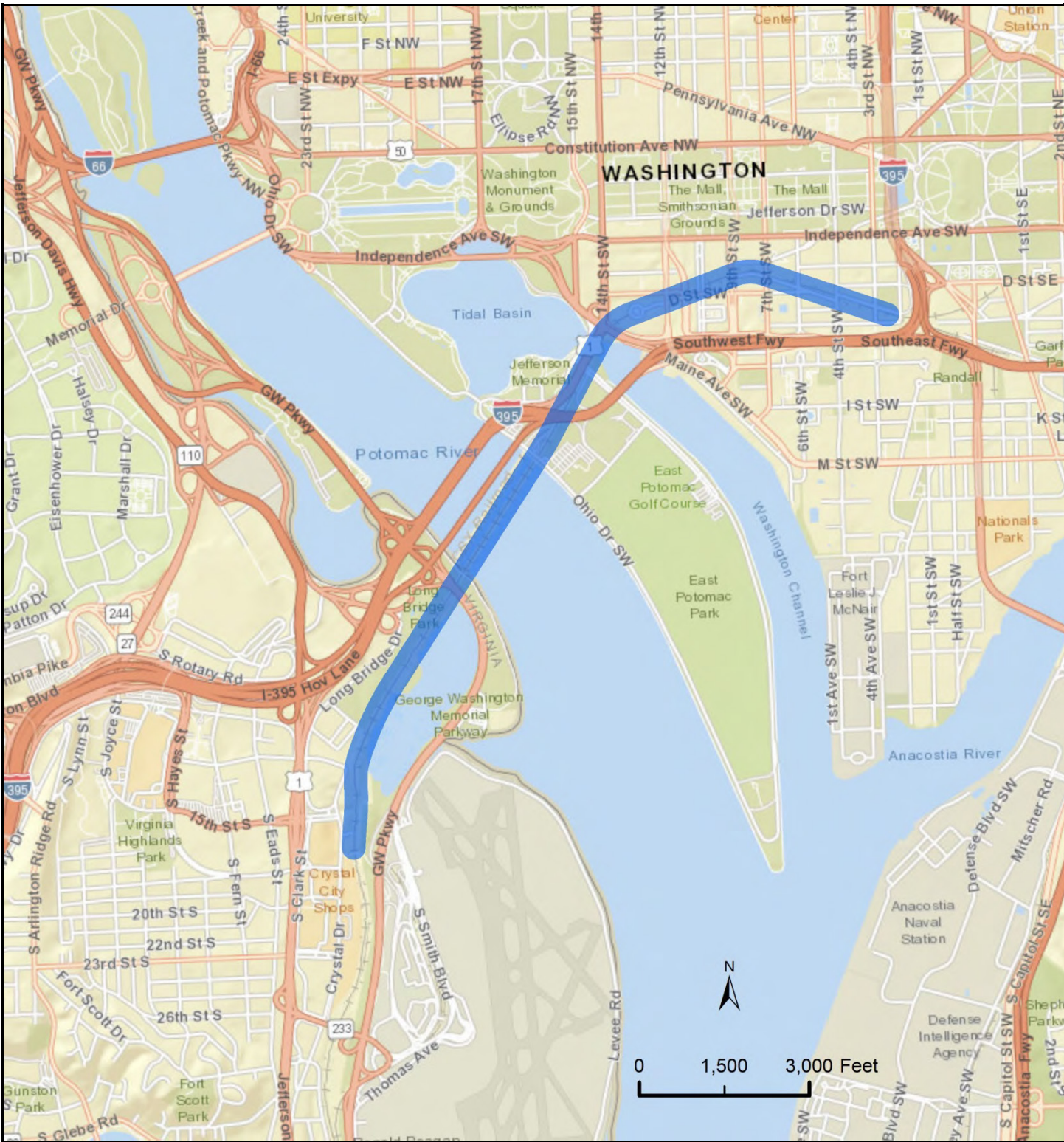
VDOT District: Fredericksburg

Local Jurisdiction: Stafford County

## VTrans2040 Multimodal Transportation Plan (VMTP) 2025 Tier 1 Recommendation Profile

Based on Analysis of VMTP Needs Assessments

<b>Recommendation Details</b>	<b>Project Reference Number</b> <input style="width: 80%;" type="text" value="FRED27"/>
Short Description <input style="width: 98%;" type="text" value="Long Bridge Improvements"/>	
District <input style="width: 90%;" type="text" value="Northern Virginia"/>	Local Jurisdiction <input style="width: 90%;" type="text" value="Multiple"/>
VMTP Need Type (Place X in all applicable boxes)	
<input checked="" type="checkbox"/> Corridor of Statewide Significance <input checked="" type="checkbox"/> Regional Network <input type="checkbox"/> UDAs <input type="checkbox"/> Safety	
Needs Addressed from VMTP Needs Assessment (List needs as numbered in reports)	
<input style="width: 98%;" type="text" value="Northern Virginia Need G; CoSS Needs G1:A, G1:G, K3:A, K3:C, H2:G"/>	
Project Status: <input style="width: 98%;" type="text" value="Project defined and identified for funding within a fiscally constrained MPO LRTP"/>	
<b>Recommendation Features</b>	
Type (Place X in all applicable boxes)	
<input type="checkbox"/> Highway <input type="checkbox"/> Bike/Pedestrian <input type="checkbox"/> Bus Transit <input checked="" type="checkbox"/> Rail Transit <input checked="" type="checkbox"/> Freight Rail <input type="checkbox"/> Travel Demand Management	
Detailed Description of Improvements	
<input style="width: 98%; height: 80px;" type="text" value="Project would expand Long Bridge, a two-track railroad bridge across the Potomac River that serves CSX, VRE, and Amtrak, to four tracks. Project is being managed by the District of Columbia Department of Transportation (DDOT) and is currently under environmental review. Order-of-magnitude costs range from approximately \$400M to \$1.4B, according to the Phase 1 Long Bridge Study by DDOT. Project is partially funded by FASTLANE Grant, as part of the Atlantic Gateway project, and private funding. While located outside of the Fredericksburg district, this project is critical to addressing freight and passenger rail congestion in the I-95 corridor, including within the Fredericksburg district."/>	
<b>Potential Funding Sources</b>	
(Place X in all applicable boxes)	
<input checked="" type="checkbox"/> SMART SCALE <input type="checkbox"/> TAP <input type="checkbox"/> CMAQ <input type="checkbox"/> HSIP <input type="checkbox"/> Prescoping <input checked="" type="checkbox"/> Other: <input style="width: 80%;" type="text" value="FASTLANE Grant"/>	
Estimated Project Cost (in \$M)	<input style="width: 80%;" type="text" value="\$ 800.00"/>
Right of Way Required for Project	<input checked="" type="checkbox"/>
<b>If Applicable: Smart Scale Project Feasibility</b>	
Based on Qualitative Review of Project	
	Comments
Safety	<input style="width: 98%;" type="text" value="Could reduce roadway VMT in areas with high crash rates."/>
Congestion Mitigation	<input style="width: 98%;" type="text" value="Would eliminate a major bottleneck for the rail corridor."/>
Accessibility	<input style="width: 98%;" type="text" value="Provides capacity at bottleneck for rail services, improving access."/>
Land Use	<input style="width: 98%;" type="text" value="Improves passenger rail reliability to developing areas."/>
Environment	<input style="width: 98%;" type="text" value="Reduced VMT and congestion could improve air quality."/>
Economic Development	<input style="width: 98%;" type="text" value="Resolving bottleneck could promote economic development in the corridor."/>



Project Reference Number: FRED27

Short Project Description: Long Bridge Improvements

VDOT District: Northern Virginia

Local Jurisdiction: Multiple

## VTrans2040 Multimodal Transportation Plan (VMTP) 2025 Tier 1 Recommendation Profile Based on Analysis of VMTP Needs Assessments

<b>Recommendation Details</b>	<b>Project Reference Number</b> <span style="border: 1px solid black; padding: 2px;">FRED28</span>
<b>Short Description</b> <span style="border: 1px solid black; padding: 2px;">DC2RVA: Speed and Reliability Improvements for VRE and Amtrak</span>	
<b>District</b> <span style="border: 1px solid black; padding: 2px;">Fredericksburg</span>	<b>Local Jurisdiction</b> <span style="border: 1px solid black; padding: 2px;">Multiple</span>
<b>VMTP Need Type</b> (Place X in all applicable boxes)	
<input checked="" type="checkbox"/> Corridor of Statewide Significance	<input checked="" type="checkbox"/> Regional Network
<input type="checkbox"/> UDAs	<input type="checkbox"/> Safety
<b>Needs Addressed from VMTP Needs Assessment</b> (List needs as numbered in reports)	
<span style="border: 1px solid black; padding: 2px;">Northern Virginia Need C; CoSS Needs G1:A, G1:G, K3:A, K3:C, H2:G</span>	
<b>Project Status:</b> <span style="border: 1px solid black; padding: 2px;">Project defined and identified for funding within a fiscally constrained MPO L RTP</span>	

<b>Recommendation Features</b>	
<i>Type</i> (Place X in all applicable boxes)	
<input type="checkbox"/> Highway	<input type="checkbox"/> Bike/Pedestrian
<input type="checkbox"/> Bus Transit	<input checked="" type="checkbox"/> Rail Transit
<input checked="" type="checkbox"/> Freight Rail	<input type="checkbox"/> Travel Demand Management
<i>Detailed Description of Improvements</i>	
<span style="border: 1px solid black; padding: 5px;">Project includes additional tracks near Long Bridge and between Alexandria and Spotsylvania, VRE station platform improvements, a new station near Fredericksburg, and potential station improvements or relocations in Ashland and Richmond. Elements of the project are partially funded through the Atlantic Gateway FASTLANE Grant. Project cost is estimated to be between \$4.98B and \$5.21B in 2025 dollars. Additional capacity and station improvements are critical to addressing freight and passenger rail congestion in the I-95 corridor in the Northern Virginia, Fredericksburg, and Richmond districts.</span>	

<b>Potential Funding Sources</b>	
<i>(Place X in all applicable boxes)</i>	
<input checked="" type="checkbox"/> SMART SCALE	<input type="checkbox"/> TAP
<input type="checkbox"/> CMAQ	<input type="checkbox"/> HSIP
<input type="checkbox"/> Prescoping	<input checked="" type="checkbox"/> Other: <span style="border: 1px solid black; padding: 2px;">FASTLANE Grant</span>
<b>Estimated Project Cost (in \$M)</b> <span style="border: 1px solid black; padding: 2px;">\$ 5,100.00</span>	<b>Right of Way Required for Project</b> <input checked="" type="checkbox"/>

<b>If Applicable: Smart Scale Project Feasibility</b>	
<i>Based on Qualitative Review of Project</i>	
	<i>Comments</i>
Safety	<span style="border: 1px solid black; padding: 2px;">Could reduce roadway VMT by providing additional rail capacity.</span>
Congestion Mitigation	<span style="border: 1px solid black; padding: 2px;">Would address bottlenecks in the rail corridor.</span>
Accessibility	<span style="border: 1px solid black; padding: 2px;">Improves capacity at bottlenecks and stations for rail services, improving access.</span>
Land Use	<span style="border: 1px solid black; padding: 2px;">Improves passenger rail reliability to developing areas.</span>
Environment	<span style="border: 1px solid black; padding: 2px;">Reduced VMT and congestion could improve air quality.</span>
Economic Development	<span style="border: 1px solid black; padding: 2px;">Resolving bottlenecks could promote economic development in the corridor.</span>





**Project Reference Number:** FRED28

**Short Project Description:** DC2RVA High Speed Rail: Speed and Reliability Improvements to VRE and Amtrak

**VDOT District:** Fredericksburg

**Local Jurisdiction:** Multiple

