2040 Long Range Transportation Plan

Adopted: April 15, 2013

APPENDIX D
HIGHWAY NEEDS PLAN PROJECTS
INTERSTATE HIGHWAY NEEDS

FAMPO
Fredericksburg Area Metropolitan Planning Organization

GEORGE WASHINGTON
REGIONAL COMMISSION

Project Descriptions for FAMPO Long Range Plan
Existing and Committed Projects

Northern Segment HOV/HOT Lanes

Project Name: I-95 HOV/HOT Lanes (Northern Segment)

Route Number: I-95

Project Type: Add 2 HOT Lanes to I-95

Jurisdiction: Multijurisdictional

Project Limit Start: I-395 (Edsall Rd.)

Project Limit: I-95 Interchange # 143

Length in Miles: 28

Construction Year: 2015

Preliminary Engineering Cost: $

Right-of-Way Cost: $

Construction Cost: $

Total Cost: $1,071,445,000

Sensitivity Issues/Impacts:

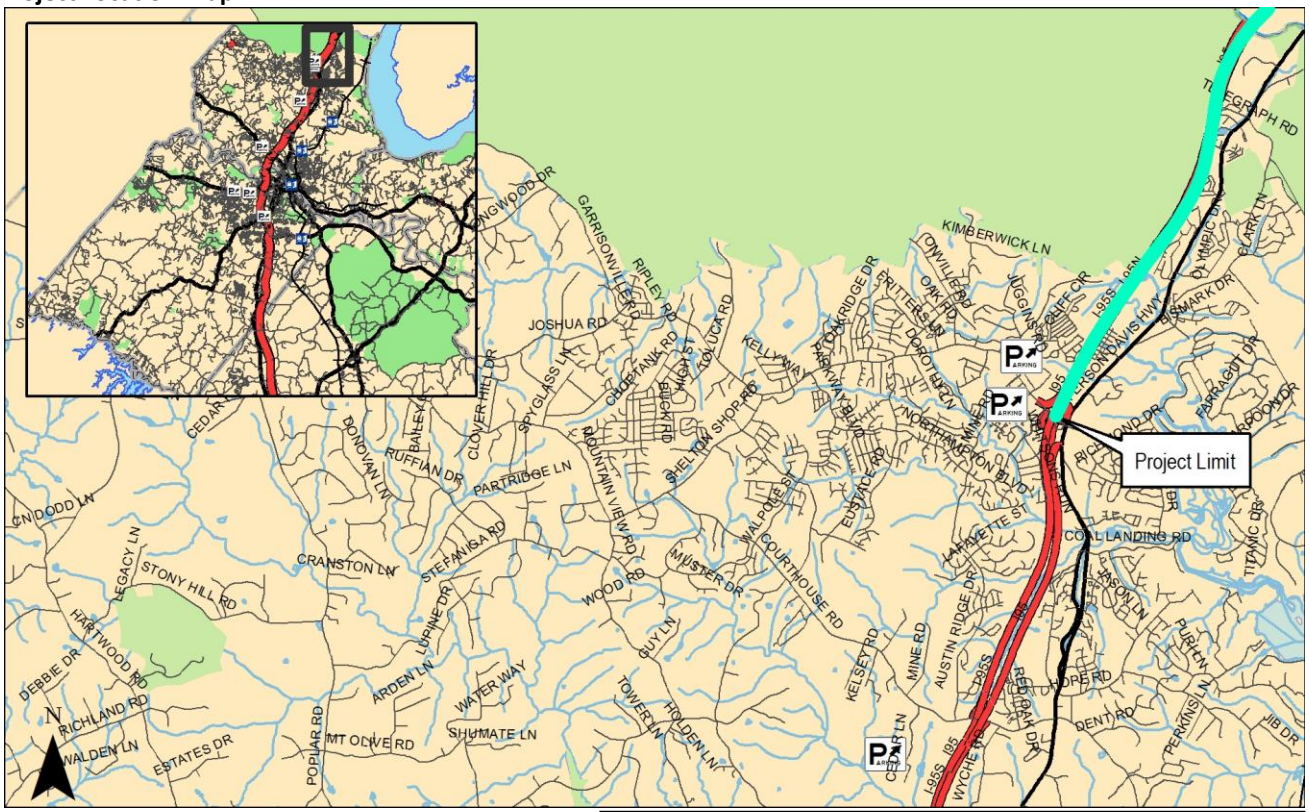
- ☒ Built Environment
- ☒ Natural Environment
- ☐ Historic Environment
- ☐ Environmental Justice

2040 Projected Volume: 150,000-180,000

Project Description:

Construct 2 "HOV/HOT Lanes" for High Occupancy Vehicles in the existing I-95 ROW. Improvements include access and exits to the I-95 Main-Line. Note – project map below only shows portion of the HOT/HOV lanes that are within the FAMPO Region.

Project Location Map:



Project ID #
Functional Classification: Urban Interstate
VDOT Classification: Interstate

Project Descriptions for FAMPO Long Range Plan
Existing and Committed Projects

Southern Segment HOV/HOT Lanes

Project Name: I-95 HOV/HOT Lanes (Southern Segment)

Route Number: I-95

Project Type: Add 2 HOT Lanes to I-95

Jurisdiction: Multijurisdictional

Project Limit Start: I-95 Interchange # 143

Project Limit: I-95 Interchange # 126

Length in Miles: 18

Construction Year: 2025

Preliminary Engineering Cost: $

Right-of-Way Cost: $

Construction Cost: $

Total Cost: $735,000,000

Sensitivity Issues/Impacts:

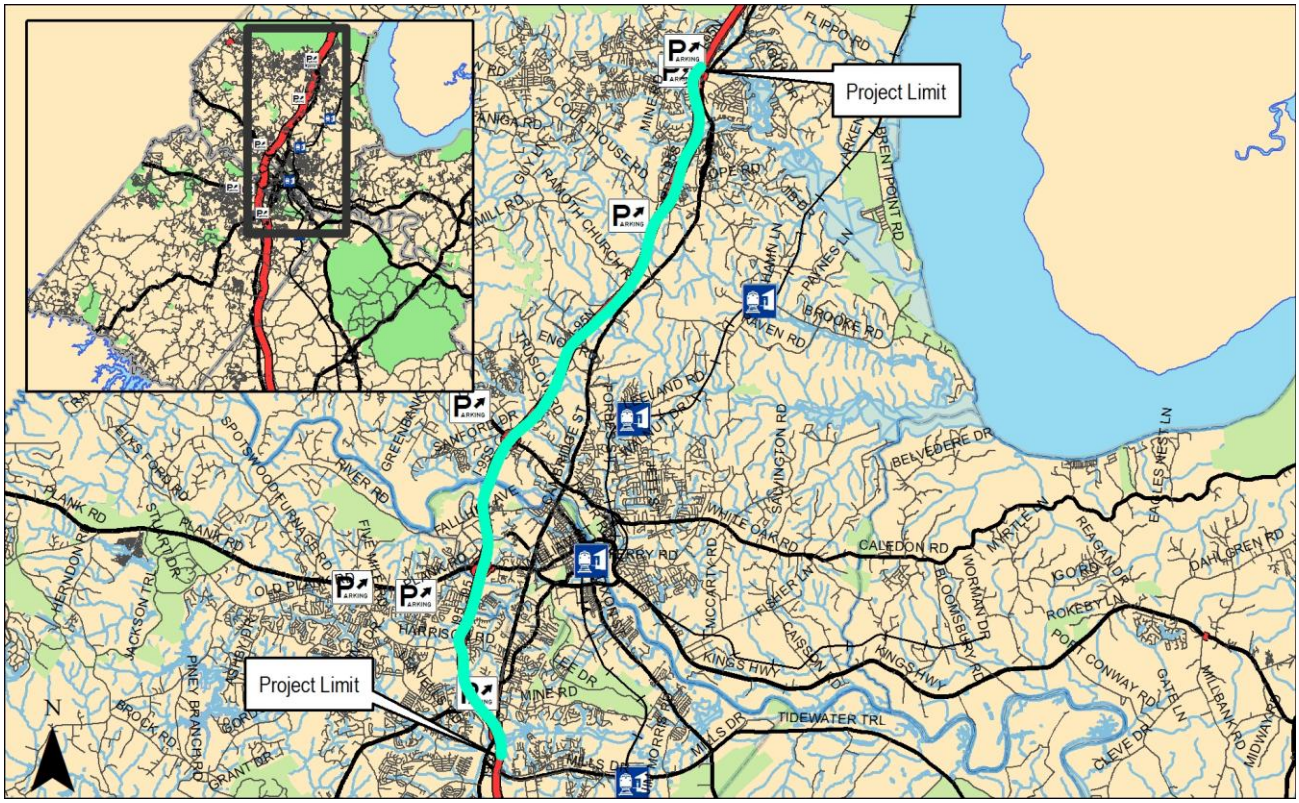
- ☒ Built Environment
- ☒ Natural Environment
- ☐ Historic Environment
- ☐ Environmental Justice

2040 Projected Volume: 118,000-194,000

Project Description:

Construct 2 "HOT/HOV Lanes" for High Occupancy Vehicles in the existing I-95 ROW. Improvements include access and exits to the I-95 Main-Line.

Project Location Map:



Project ID #
Functional Classification: Urban/Rural Interstate
VDOT Classification: Interstate

Project Descriptions for FAMPO Long Range Plan
Constrained Plan Projects

I-95 Shoulder Running Lane Improvements

Project Name: I-95 Shoulder Running Lane Improvements

Route Number: I-95

Project Type: Improve inside shoulders

Jurisdiction: Stafford County

Project Limit Start: I-95 MM # 145

Project Limit: I-95 MM # 139

Length in Miles: 6

Construction Year: 2020

Preliminary Engineering Cost: $2,000,000

Right-of-Way Cost: N/A

Construction Cost: $18,000,000

Total Cost: $20,000,000

Sensitivity Issues/Impacts:

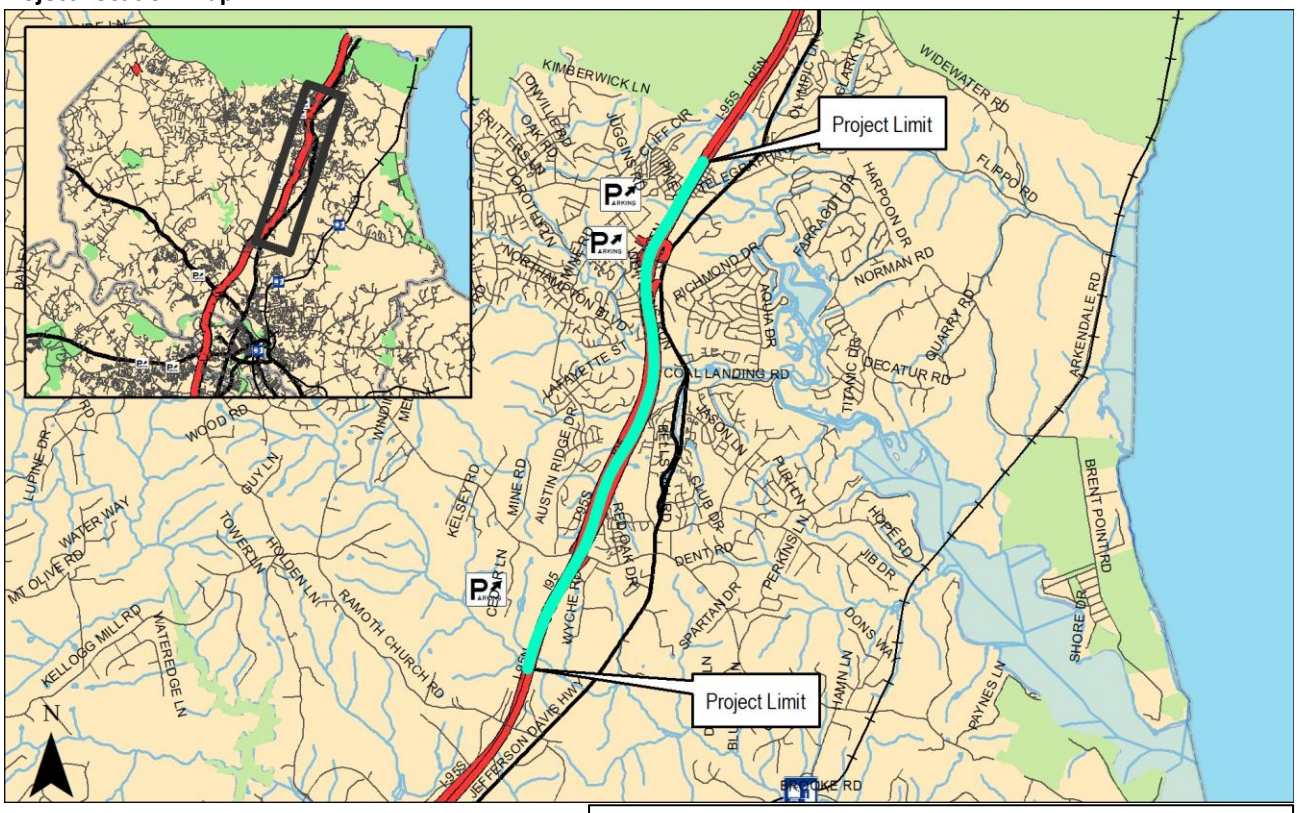
- ☐ Built Environment
- ☐ Natural Environment
- ☐ Historic Environment
- ☐ Environmental Justice

2040 Projected Volume: 208,000-221,000

Project Description:

Improve the inside shoulders of the I-95 mainline to be used as additional travel lanes during the peak periods.

Project Location Map:



Project ID #
Functional Classification: Urban/Rural Interstate
VDOT Classification: Interstate

Project Descriptions for FAMPO Long Range Plan
Existing and Committed Projects

Courthouse Road Interchange & Road Relocation (Stafford)

Project Name: Courthouse Road Interchange & Road Relocation
Route Number: I-95/SC-630
Project Type: New Interchange Construction and Road Relocation
Jurisdiction: Stafford

Project Limit Start: Jefferson Davis Highway (US-1)
Project Limit: Cedar Lane (SC-732)
Length in Miles: 1.5
Construction Year: 2025

Preliminary Engineering Cost: $11,491,273
Right-of-Way Cost: $14,000,000
Construction Cost: $136,684,714
Total Cost: $162,175,987

Sensitivity Issues/Impacts:

- ☒ Built Environment
- ☐ Natural Environment
- ☐ Historic Environment
- ☐ Environmental Justice

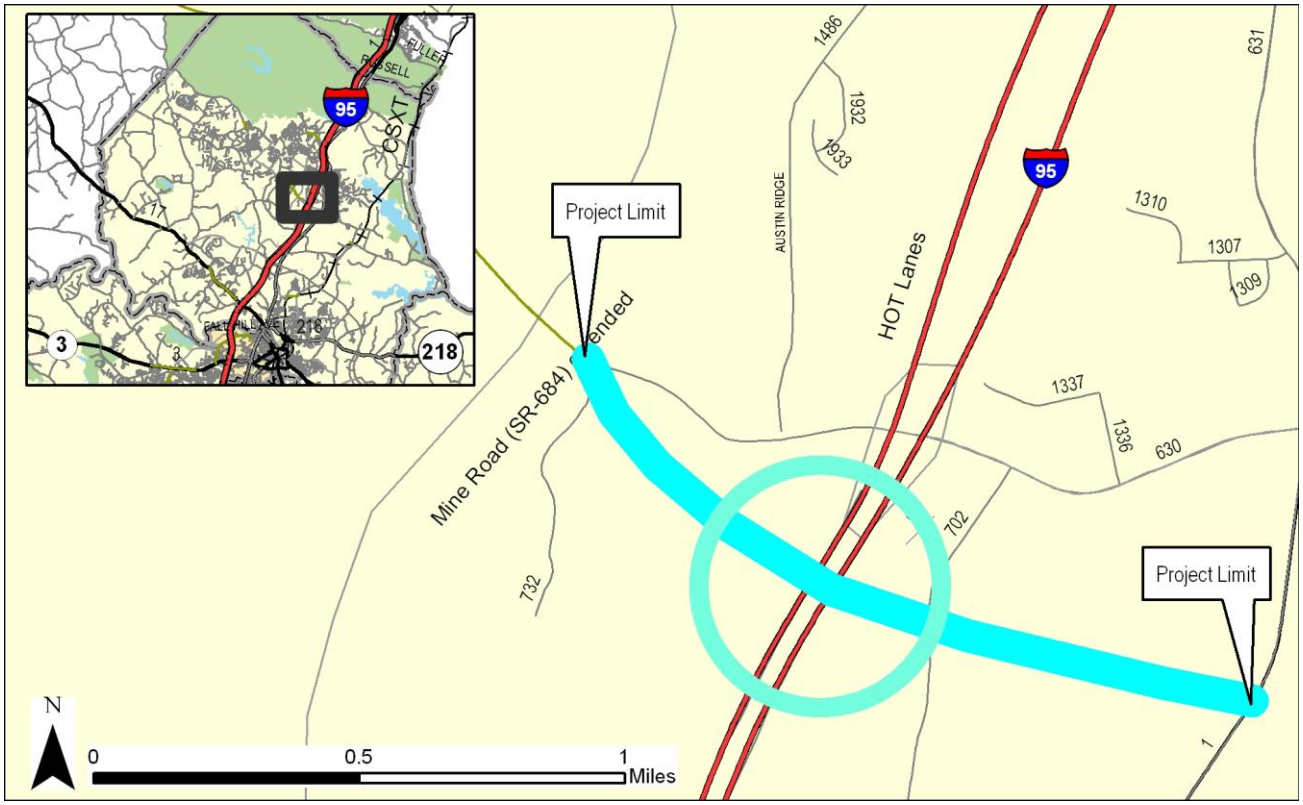
2040 Projected Volume: 160,000-170,000

Project Description:

Construct a new interchange off of I-95 to Courthouse Road. The interchange will be shifted south of the existing Courthouse Rd. Interchange. Construction of the relocated Courthouse Road will correspond with this project.

Note that the project costs listed above are for the construction of the interchange only.

Project Location Map:



Project ID #
Functional Classification: Urban Interstate
VDOT Classification: Interstate

Project Descriptions for FAMPO Long Range Plan
Constrained Plan Projects (PE/Study Only)

I-95 Rappahannock River Crossing (Fredericksburg/Spotsylvania)

Project Name: I-95 Rappahannock River Crossing
Route Number: I-95
Project Type: I-95 Improvements
Jurisdiction: Fredericksburg/Stafford
Project Limit Start: I-95 Exit # 133
Project Limit: I-95 MM 128
Length in Miles: 5

Preliminary Engineering Cost: $10,000,000
Right-of-Way Cost: $15,000,000
Construction Cost: $200,000,000
Total Cost: $225,000,000

Sensitivity Issues/Impacts:

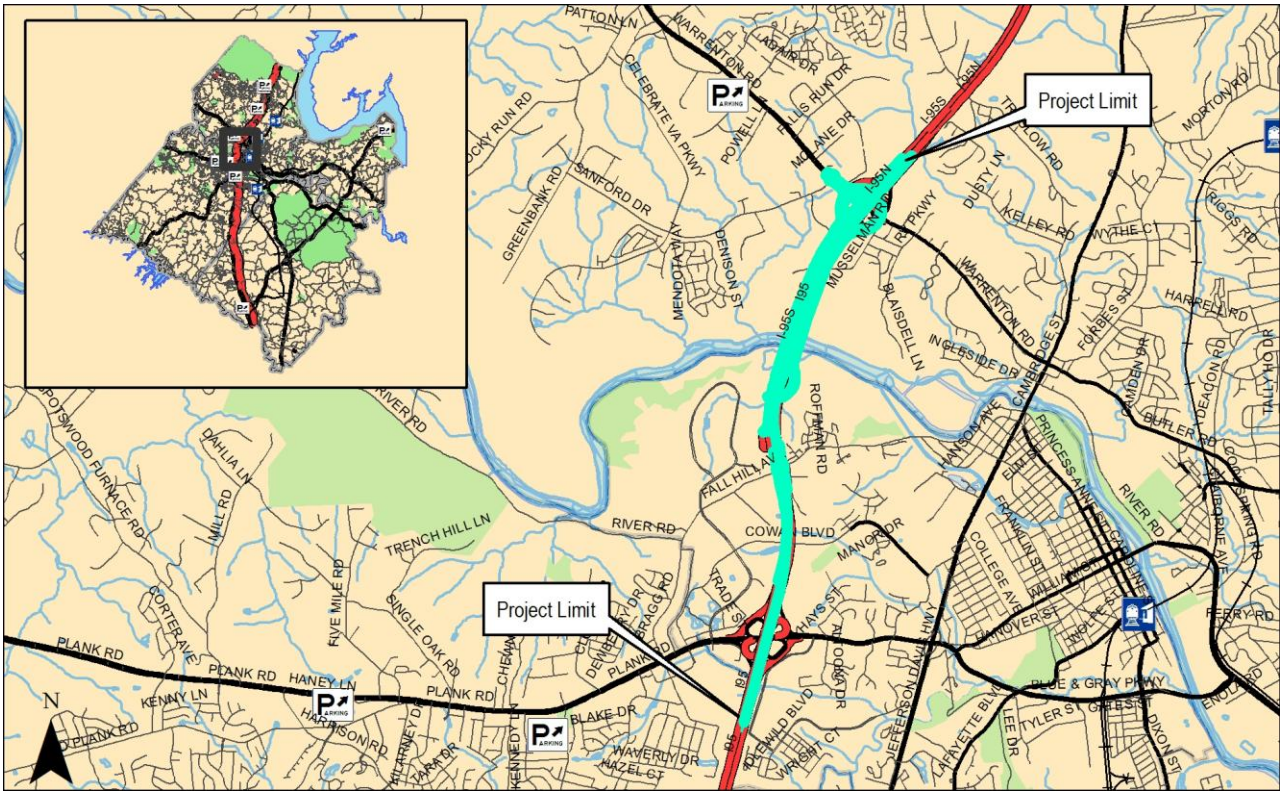
- ☒ Built Environment
- ☒ Natural Environment
- ☐ Historic Environment
- ☐ Environmental Justice

2040 Projected Volume: 153,000-194,000

Project Description:

Reconstruct the US-17 and PR-3 Interchanges and connect the Interchanges with two 2-lane C/D roads, including 2 new 2-lane bridges over the Rappahannock River.

Project Location Map:



Project ID #
Functional Classification: Urban Interstate
VDOT Classification: Interstate

Project Descriptions for FAMPO Long Range Plan
Constrained Plan Projects (PE/Study Only)

Rappahannock Parkway (Fredericksburg/Spotsylvania)

Project Name: Rappahannock Parkway

Route Number:

Project Type: New 6 Lane Limited Access Toll Road

Jurisdiction: Fredericksburg/Spotsylvania

Project Limit Start: I-95 Welcome Center

Project Limit: PR-3 at Gordon Rd.

Length in Miles: 4.6

Preliminary Engineering Cost: $10,000,000

Right-of-Way Cost: $10,000,000

Construction Cost: $105,000,000

Total Cost: $125,000,000

Sensitivity Issues/Impacts:

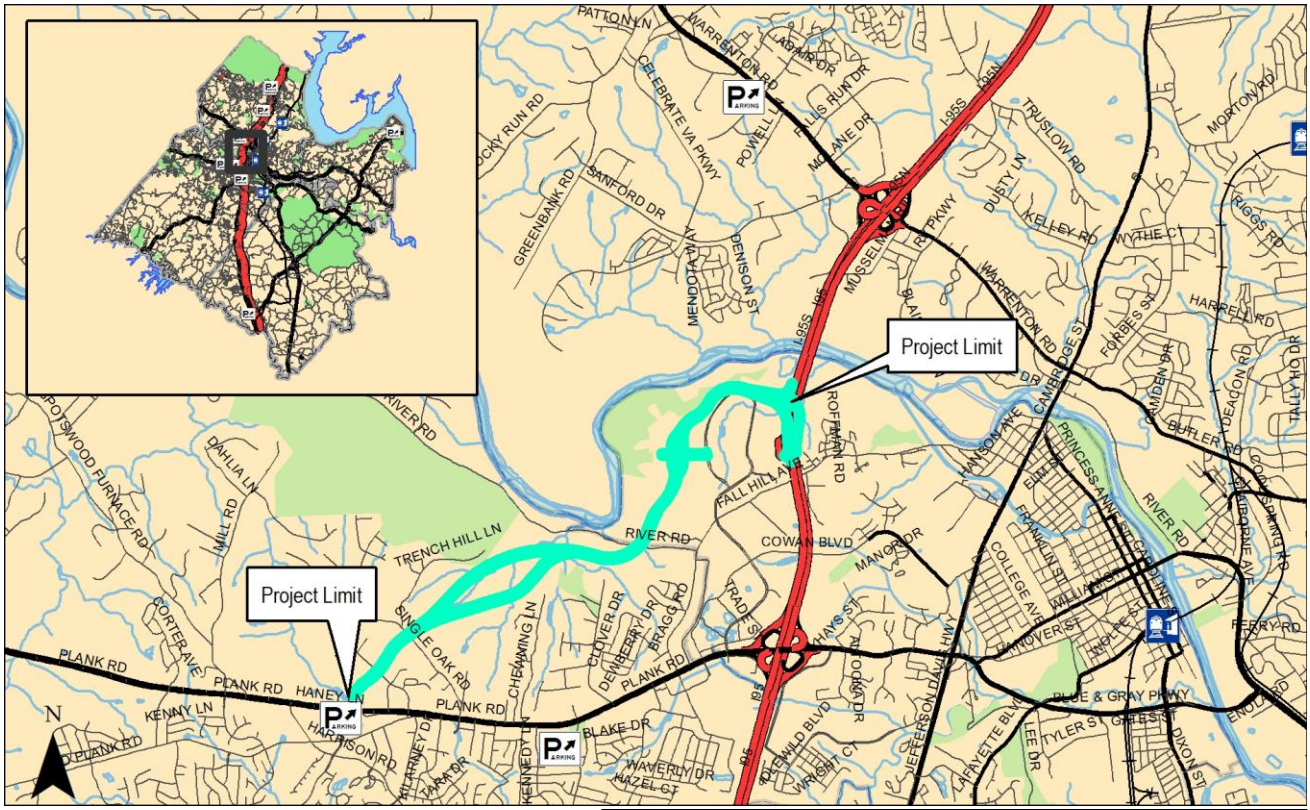
- ☒ Built Environment
- ☒ Natural Environment
- ☒ Historic Environment
- ☐ Environmental Justice

2040 Projected Volume: 64,000-141,000

Project Description:

Construct a new limited access 4 lane divided parkway and new interchange off of I-95 with landscaping that has direct access to Plank Rd. (PR-3) near Gordon Road. The new roadway will include grade 2 separated interchanges (I-95 & PR-3), tolling facilities and access to Central Park/Celebrate Virginia

Project Location Map:



Project ID #
Functional Classification: Urban Interstate
VDOT Classification: Interstate

Project Descriptions for FAMPO Long Range Plan
Constrained Plan Projects (PE/Study Only)

Jackson Gateway Interchange (Spotsylvania)

Project Name: Jackson Gateway Area I-95 Improvements

Route Number: I-95

Project Type: Improvements to I-95 Exit # 126

Jurisdiction: Spotsylvania

Project Limit Start: I-95 MM # 128

Project Limit: I-95 MM # 124

Length in Miles: 4

Preliminary Engineering Cost: $20,000,000

Right-of-Way Cost: $193,000,000

Construction Cost: $242,000,000

Total Cost: $455,000,000

Sensitivity Issues/Impacts:

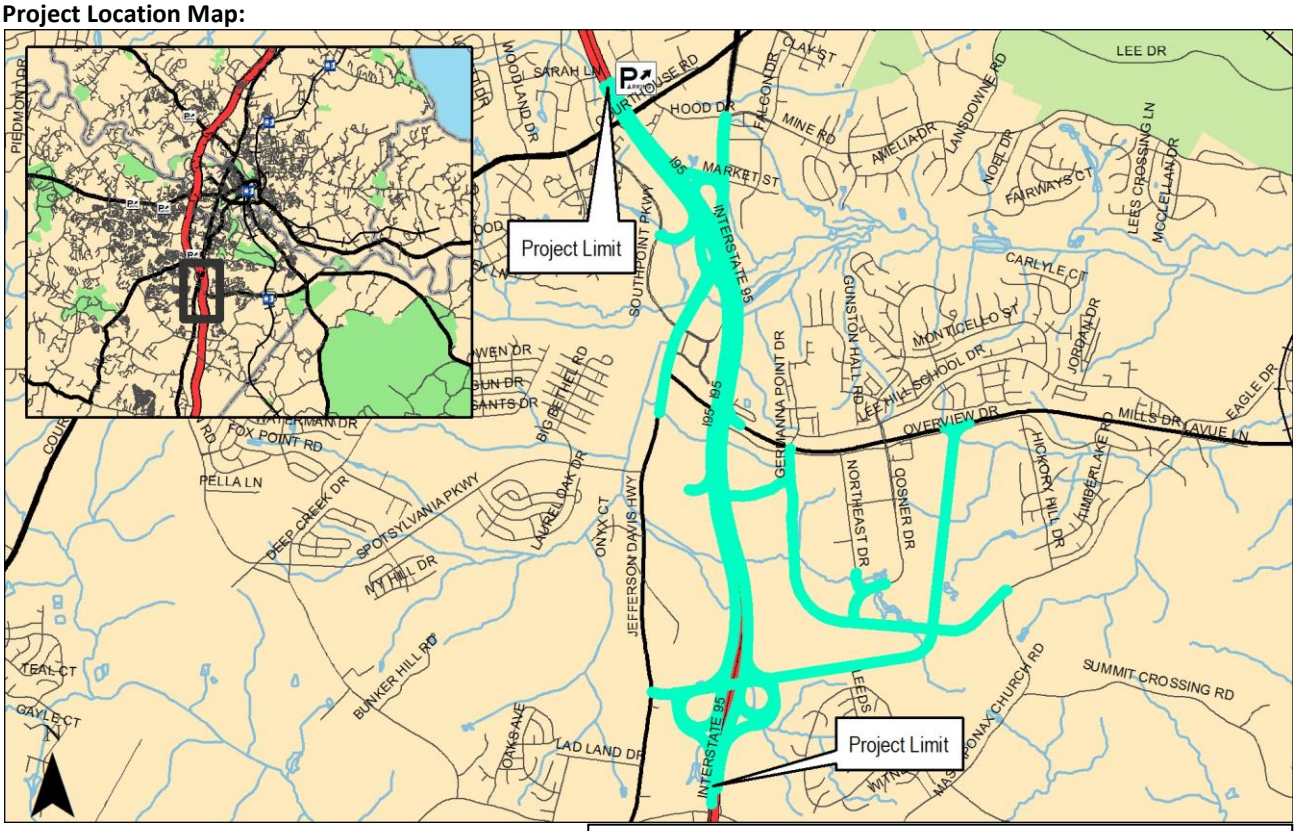
- ☒ Built Environment
- ☒ Natural Environment
- ☐ Historic Environment
- ☒ Environmental Justice

2040 Projected Volume: 132,000-138,000

Project Description:

Improvements to I-95 Exit # 126, which include a series of new north and southbound exit and entrance ramps; a set of C/D lanes that run to the south and provide access to the Spotsylvania parkway and US-17 which terminate at a new entrance/exit point from the C/D lanes near the Spotsylvania Hospital.

Project Location Map:



Project ID #
Functional Classification: Urban/Rural Interstate
VDOT Classification: Interstate

Project Descriptions for FAMPO Long Range Plan
Regional Needs Plan Projects

Thornburg Interchange Improvements & Relocate Mudd Tavern/Morris Road (Spotsylvania)

Project Name: Thornburg Interchange Improvements & Relocate Mudd Tavern/Morris Road
Route Number: I-95

Project Type: New Interchange & Relocation of SC-606

Jurisdiction: Spotsylvania

Project Limit Start: Existing Morris Rd., W. of US-1

Project Limit: Existing Mudd Tavern Road, E. of US-1

Length in Miles: 2.6

Preliminary Engineering Cost: $13,832,000

Right-of-Way Cost: $43,000,000

Construction Cost: $172,897,000

Total Cost: $229,729,000

Sensitivity Issues/Impacts:

- ☒ Built Environment
- ☒ Natural Environment
- ☐ Historic Environment
- ☐ Environmental Justice

2040 Projected Volume: 116,000

Project Description:

Demolish the existing interchange and construct a new interchange at Thornburg and relocate Morris/Mudd Tavern Rd. (SC-606) to service the new interchange.

Note that the project costs listed above reflect the interchange improvements and the new roadway.

Project Location Map:

Project ID #
Functional Classification: Rural Interstate
VDOT Classification: Interstate

Project Descriptions for FAMPO Long Range Plan
Regional Needs Plan Projects

Centrepoint Parkway Interchange (Stafford)

Project Name: Centrepoint Parkway Interchange

Route Number: I-95

Project Type: New Interchange

Jurisdiction: Stafford

Project Limit Start:

Project Limit:

Length in Miles: 0.9

Preliminary Engineering Cost: $10,000,000

Right-of-Way Cost: N/A

Construction Cost: 80,000,000

Total Cost: $90,000,000

Sensitivity Issues/Impacts:

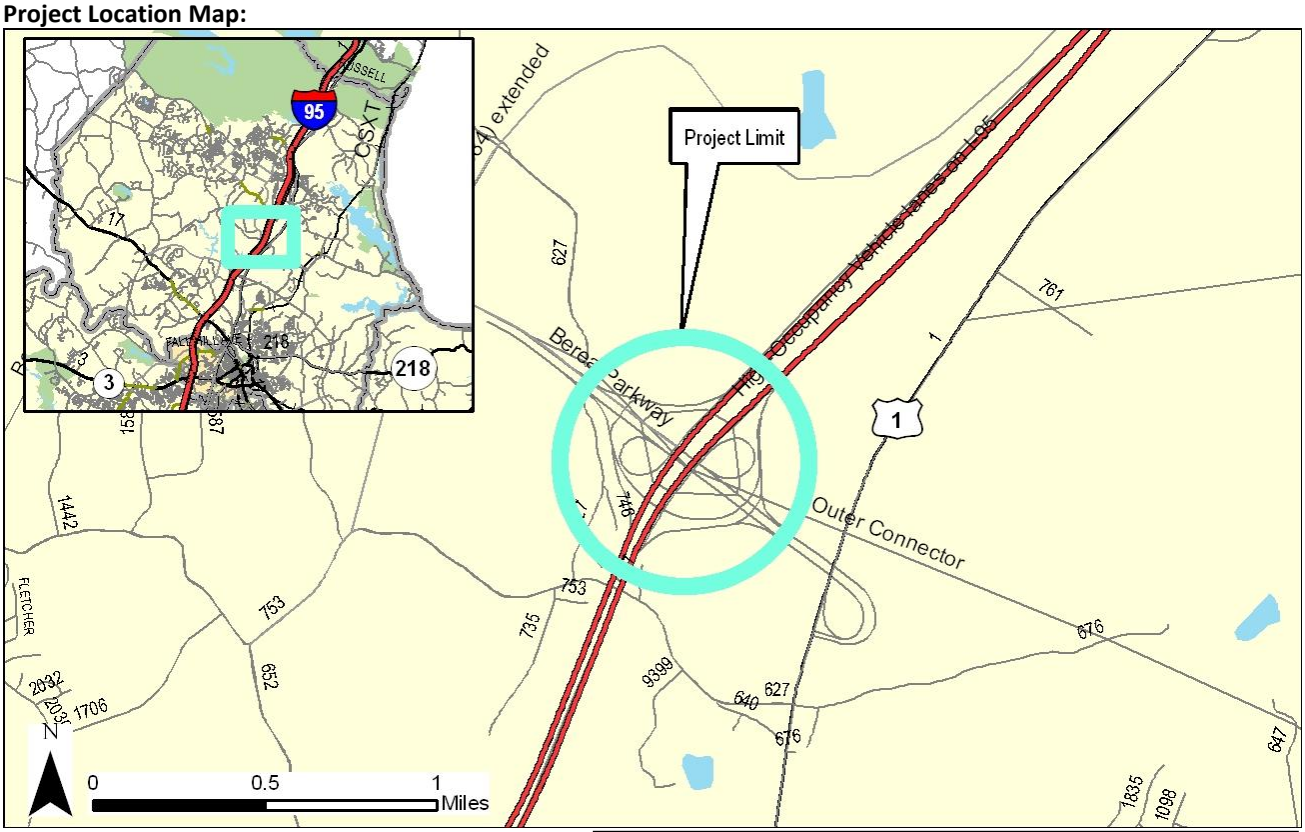
- ☐ Built Environment
- ☒ Natural Environment
- ☐ Historic Environment
- ☐ Environmental Justice

2040 Projected Volume: 209,000-211,000

Project Description:

Construct a new I-95 interchange with Mountain View Road and the proposed Berea Parkway. Improvements include intersection alignment and geometry as well as entrance and exit ramps and potential intersection signalization. Note: Phase 1 on a multi-phase project has been completed. The location map shows the full build-out.

Project Location Map:



Project ID #
Functional Classification: Urban Interstate
VDOT Classification: Interstate

Project Descriptions for FAMPO Long Range Plan
Regional Needs Plan Projects

Route 639 Interchange Improvement (Caroline)

Project Name: Route 639 Interchange Improvement
Route Number: I-95
Project Type: Interchange Improvement
Jurisdiction: Caroline
Project Limit Start:
Project Limit:
Length in Miles:

Preliminary Engineering Cost: $6,300,000
Right-of-Way Cost: $5,000,000
Construction Cost: $41,200,000
Total Cost: $52,500,000

Sensitivity Issues/Impacts:

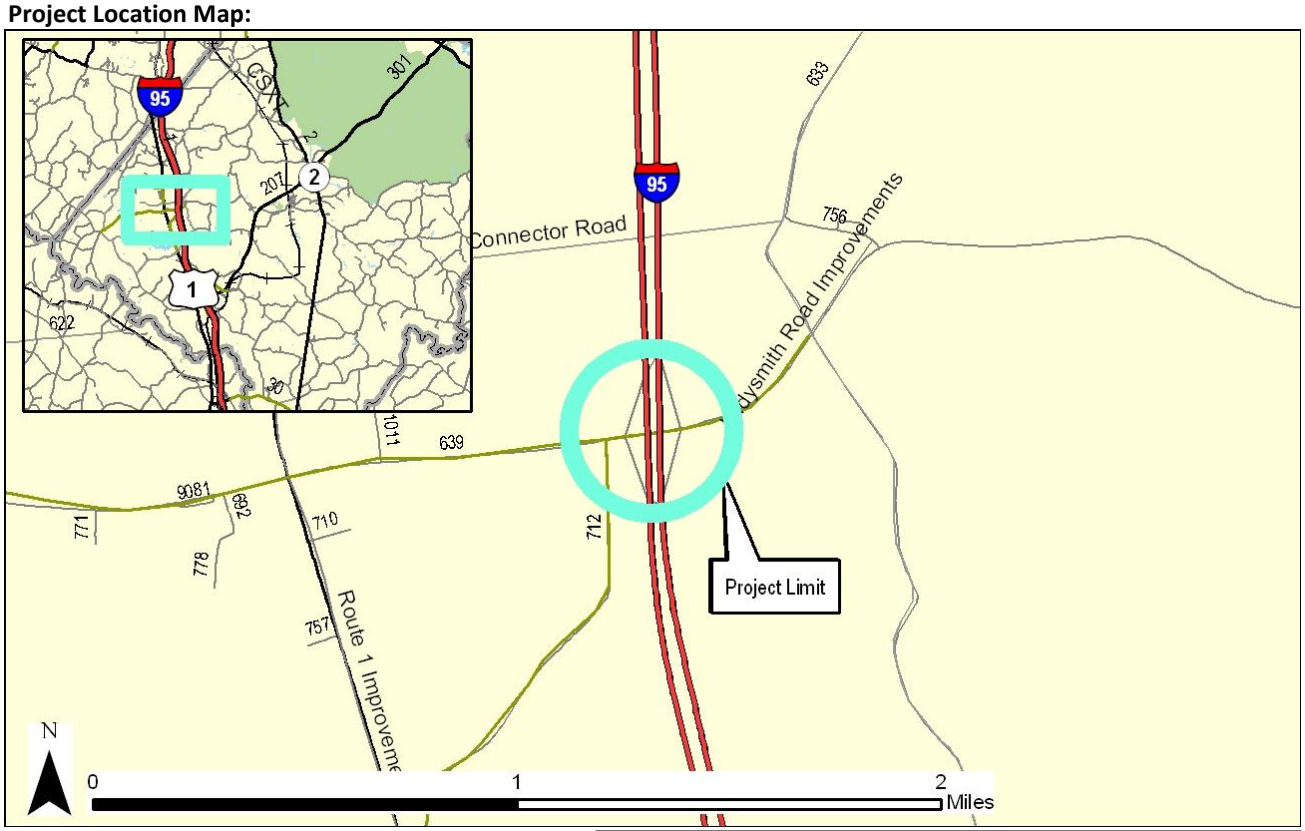
- ☒ Built Environment
- ☐ Natural Environment
- ☐ Historic Environment
- ☐ Environmental Justice

2040 Projected Volume: 87,000-89,000

Project Description:

Improve the Route 639 and I-95 interchange. Improvements include realignment of the I-95 entrance and exit ramps, intersections, and potential traffic signalization.

Project Location Map:



Project ID #
Functional Classification: Rural Interstate
VDOT Classification: Interstate

Project Descriptions for FAMPO Long Range Plan
Regional Needs Plan Projects

I-95 (Stafford)

Project Name: I-95 Widening
Route Number: I-95
Project Type: Road Widening
Jurisdiction: Stafford

Project Limit Start: Stafford County Line (North)
Project Limit: Stafford County Line (South)
Length in Miles: 17.1

Preliminary Engineering Cost: $10,396,000
Right-of-Way Cost: $129,614,000
Construction Cost: $129,614,000
Total Cost: $268,984,000

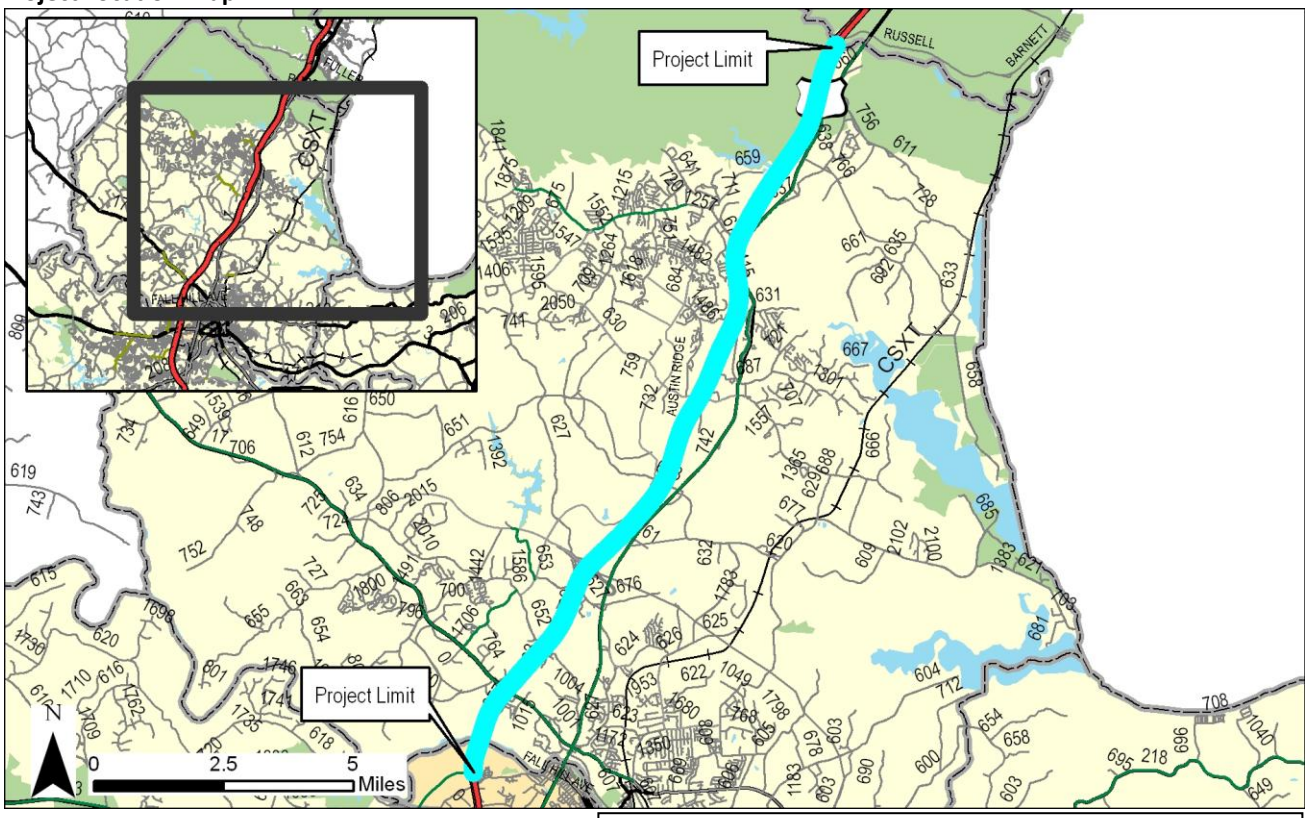
Sensitivity Issues/Impacts:

- ☒ Built Environment
- ☒ Natural Environment
- ☐ Historic Environment
- ☐ Environmental Justice

2040 Projected Volume: 208,000-221,000

Project Description:
Widen I-95 to 8 general purpose through lanes.

Project Location Map:



Project ID #
Functional Classification: Urban Interstate
VDOT Classification: Interstate

Project Descriptions for FAMPO Long Range Plan
Regional Needs Plan Projects

I-95 (Spotsylvania)

Project Name: I-95 Widening
Route Number: I-95
Project Type: Road Widening
Jurisdiction: Spotsylvania

Project Limit Start: Spotsylvania County Line (North)
Project Limit: Spotsylvania County Line (South)
Length in Miles: 12.5

Preliminary Engineering Cost: $7,585,000
Right-of-Way Cost: $56,888,000
Construction Cost: $94,714,000
Total Cost: $159,287,000

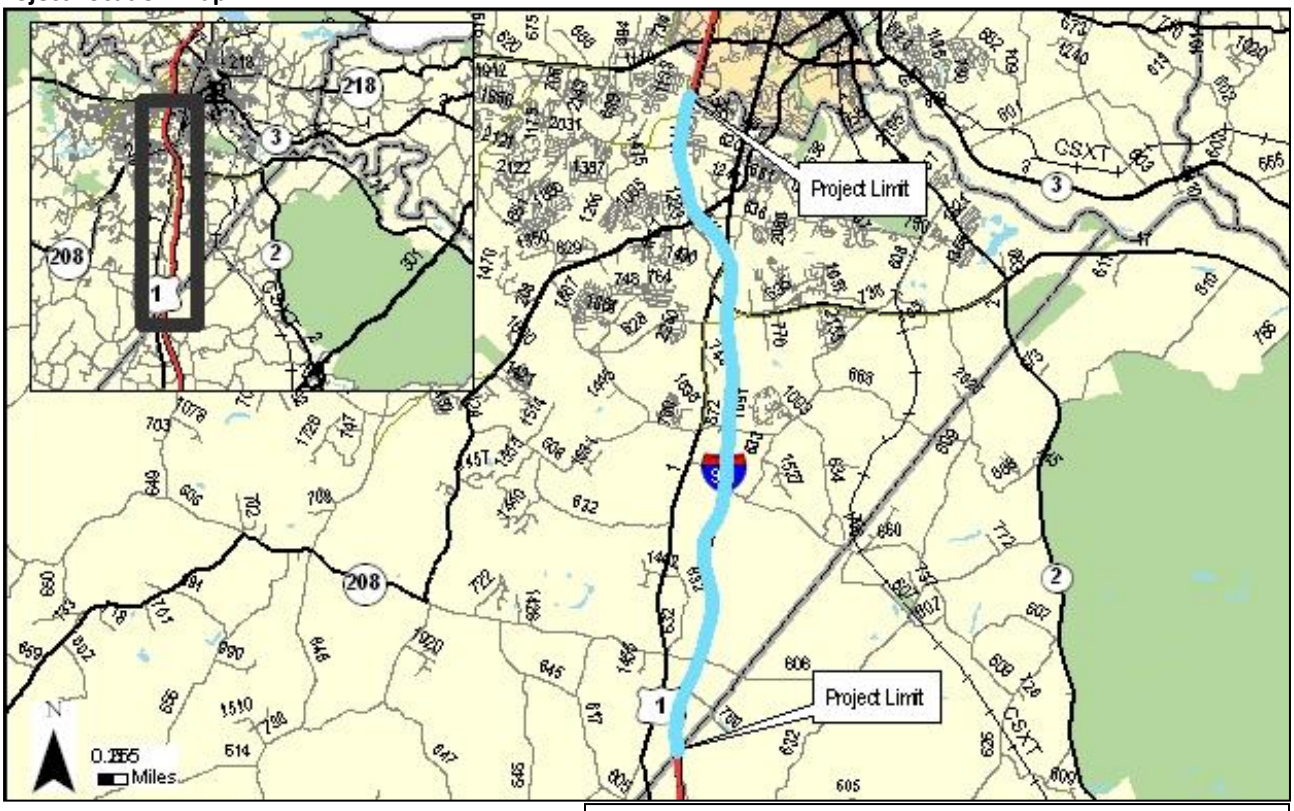
Sensitivity Issues/Impacts:

- ☒ Built Environment
- ☒ Natural Environment
- ☐ Historic Environment
- ☐ Environmental Justice

2040 Projected Volume: 123,000-170,000

Project Description:
Widen I-95 to 8 general purpose through lanes.

Project Location Map:



Project ID #
Functional Classification: Urban Interstate
VDOT Classification: Interstate

Project Descriptions for FAMPO Long Range Plan
Regional Needs Plan Projects

I-95 (Fredericksburg)

Project Name: I-95 Widening
Route Number: I-95
Project Type: Road Widening
Jurisdiction: Fredericksburg

Project Limit Start: Fredericksburg City Line (North)
Project Limit: Fredericksburg City Line (South)
Length in Miles: 3.3

Preliminary Engineering Cost: $2,002,000
Right-of-Way Cost: $25,000,000
Construction Cost: $25,030,000
Total Cost: $52,032,000

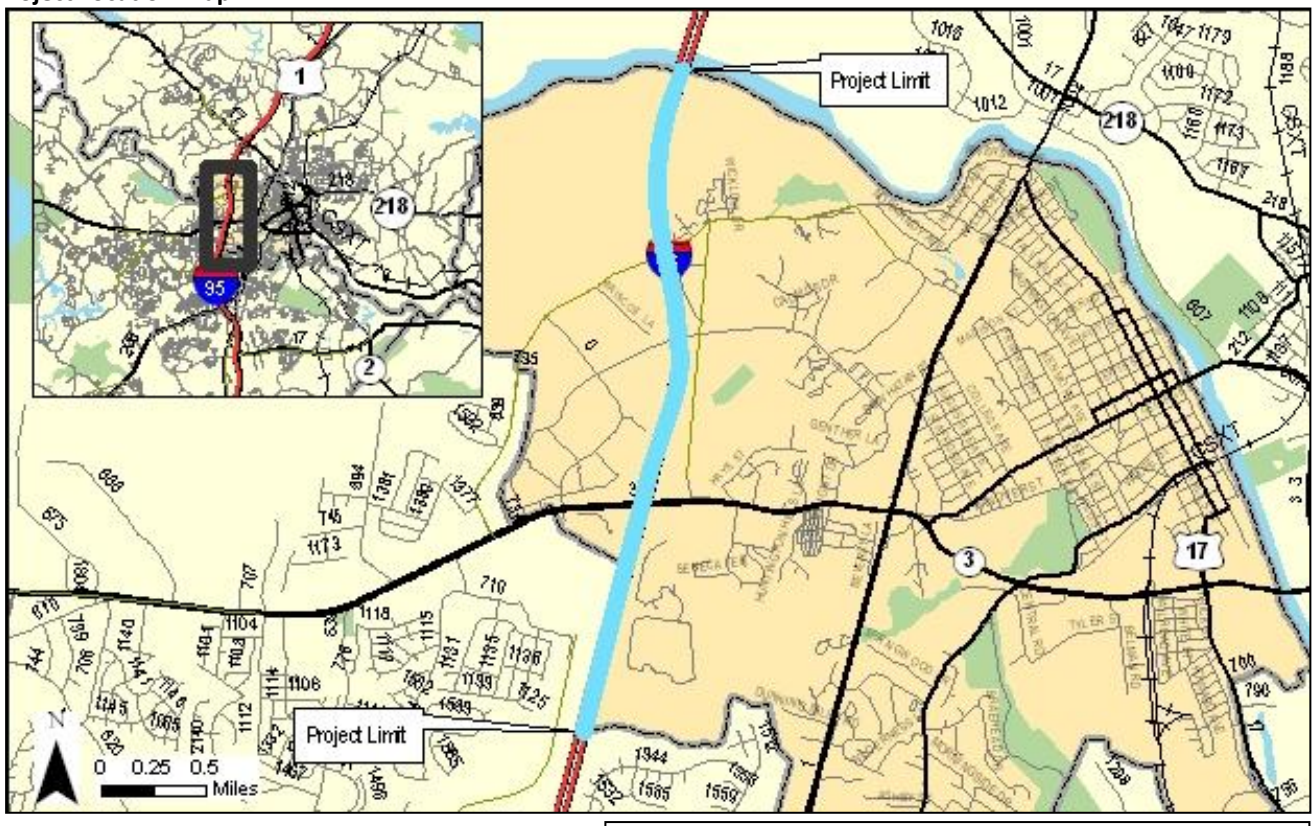
Sensitivity Issues/Impacts:

- ☒ Built Environment
- ☒ Natural Environment
- ☐ Historic Environment
- ☐ Environmental Justice

2040 Projected Volume: 171,000-214,000

Project Description:
Widen I-95 to 8 general purpose through lanes.

Project Location Map:



Project ID #
Functional Classification: Urban Interstate
VDOT Classification: Interstate