2040 Long Range Transportation Plan

Adopted: April 15, 2013

APPENDIX D
HIGHWAY NEEDS PLAN PROJECTS
FREDERICKSBURG

FAMPO
Fredericksburg Area Metropolitan Planning Organization

GEORGE WASHINGTON
REGIONAL COMMISSION

Project Descriptions for FAMPO Long Range Plan
Existing and Committed Projects

Fall Hill Avenue/Mary Washington Blvd. (Fredericksburg)

Project Name: Fall Hill Avenue/Mary Washington Blvd. Ext. (UPC # 88699)
Route Number: 3965
Project Type: Widen Road from 2 to 4 Lanes Divided
Jurisdiction: Fredericksburg
Project Limit Start: Mary Washington Blvd.
Project Limit: Celebrate Virginia Parkway
Length in Miles: 1.6
Construction Year: 2018

Preliminary Engineering Cost: $2,685,000
Right-of-Way Cost: $7,440,000
Construction Cost: $26,507,227
Total Cost: $36,632,227

Sensitivity Issues/Impacts:

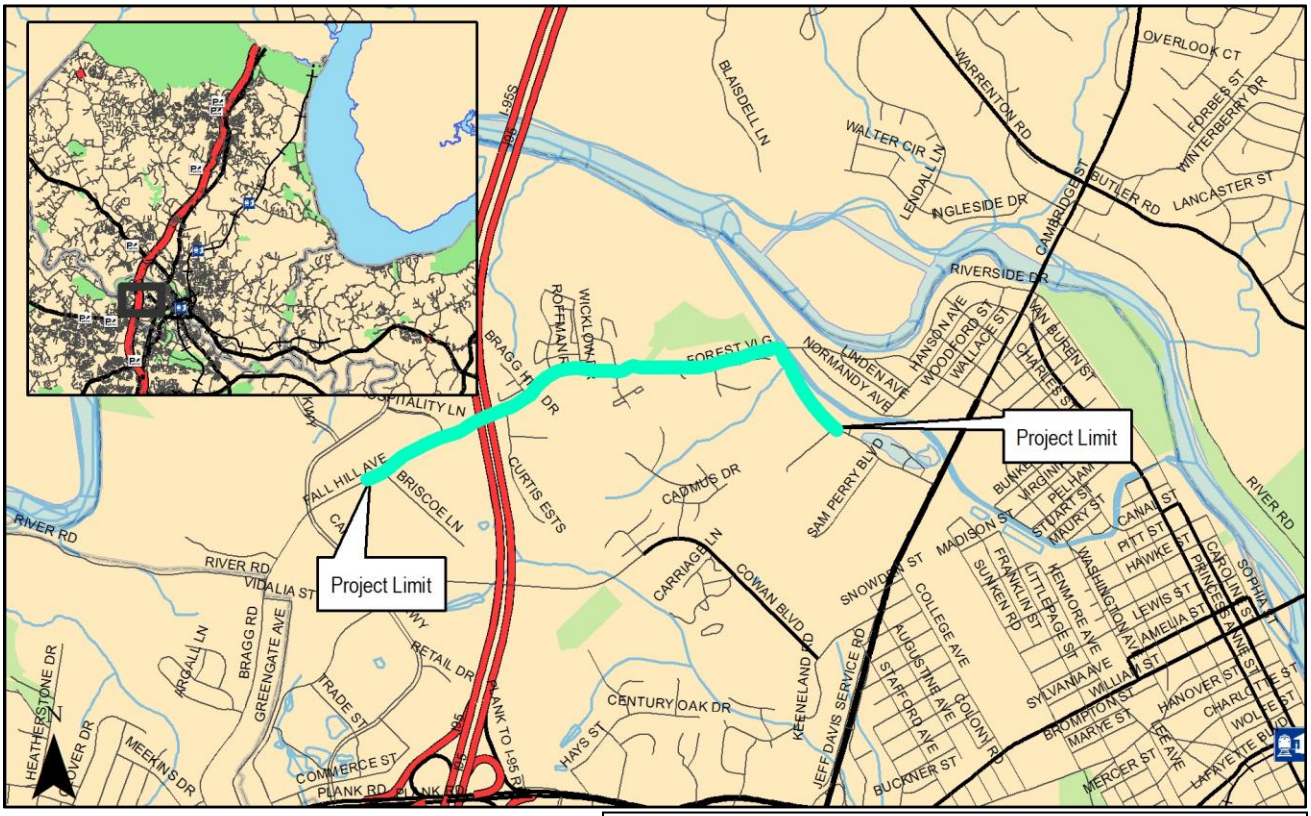
- ☒ Built Environment
- ☒ Natural Environment
- ☒ Historic Environment
- ☒ Environmental Justice

2040 Projected Volume: 20,000-45,000

Project Description:

Widen Fall Hill Ave. from 2 lanes to four lanes divided with landscaping, improved intersections, a new bridge over I-95, traffic signalization, shared-use path that ties in with the Canal Path and sidewalk on the other side. Also extend Mary Washington Blvd from current terminus to Fall Hill Ave. Intersection improvements at Mary Washington Boulevard and Jefferson Davis Highway.

Project Location Map:



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

Project Descriptions for FAMPO Long Range Plan
Regional Needs Plan Projects

Lansdowne Road Widening (Fredericksburg)

Project Name: Lansdowne Road (SC-638)

Route Number: 638

Project Type: Road Widening from 2 to 4 Lanes

Jurisdiction: Fredericksburg

Project Limit Start: Fredericksburg City Line

Project Limit: Tidewater Trail (PR-2/US-17)

Length in Miles: 0.6

Preliminary Engineering Cost: $402,573

Right-of-Way Cost: $1185,364

Construction Cost: $2,370,728

Total Cost: $3,958,665

Sensitivity Issues/Impacts:

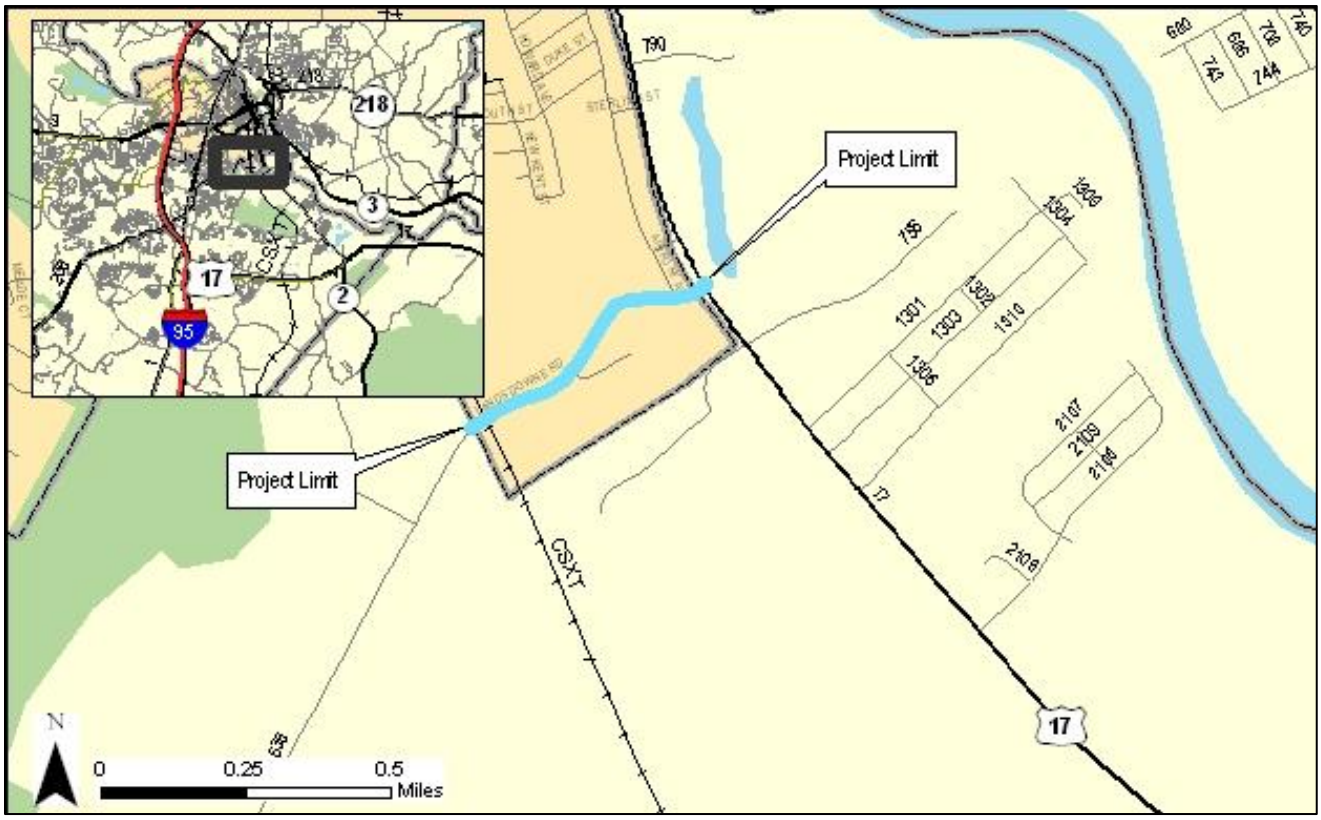
- ☒ Built Environment
- ☐ Natural Environment
- ☐ Historic Environment
- ☒ Environmental Justice

2040 Projected Volume:11,000

Project Description:

Widen Lansdowne Road from 2 to 4 lanes with landscaping. Improvements include paved highway shoulders, turn lanes and intersections.

Project Location Map:



Project ID #
Functional Classification: Urban Collector
VDOT Classification: Secondary

Project Descriptions for FAMPO Long Range Plan
Regional Needs Plan Projects

Blue and Gray Parkway/PR-3 Bypass (Fredericksburg)

Project Name: Blue and Gray Parkway/PR-3 Bypass

Route Number: 3

Project Type: Road Widening from 4 to 6 Lanes Divided

Jurisdiction: Fredericksburg

Project Limit Start: William Street (PR- 3)

Project Limit: Kings Highway (PR-3)

Length in Miles: 2.2

Preliminary Engineering Cost: $1,512,921

Right-of-Way Cost: $10,974,791

Construction Cost: $18,291,319

Total Cost: $30,779,031

Sensitivity Issues/Impacts:

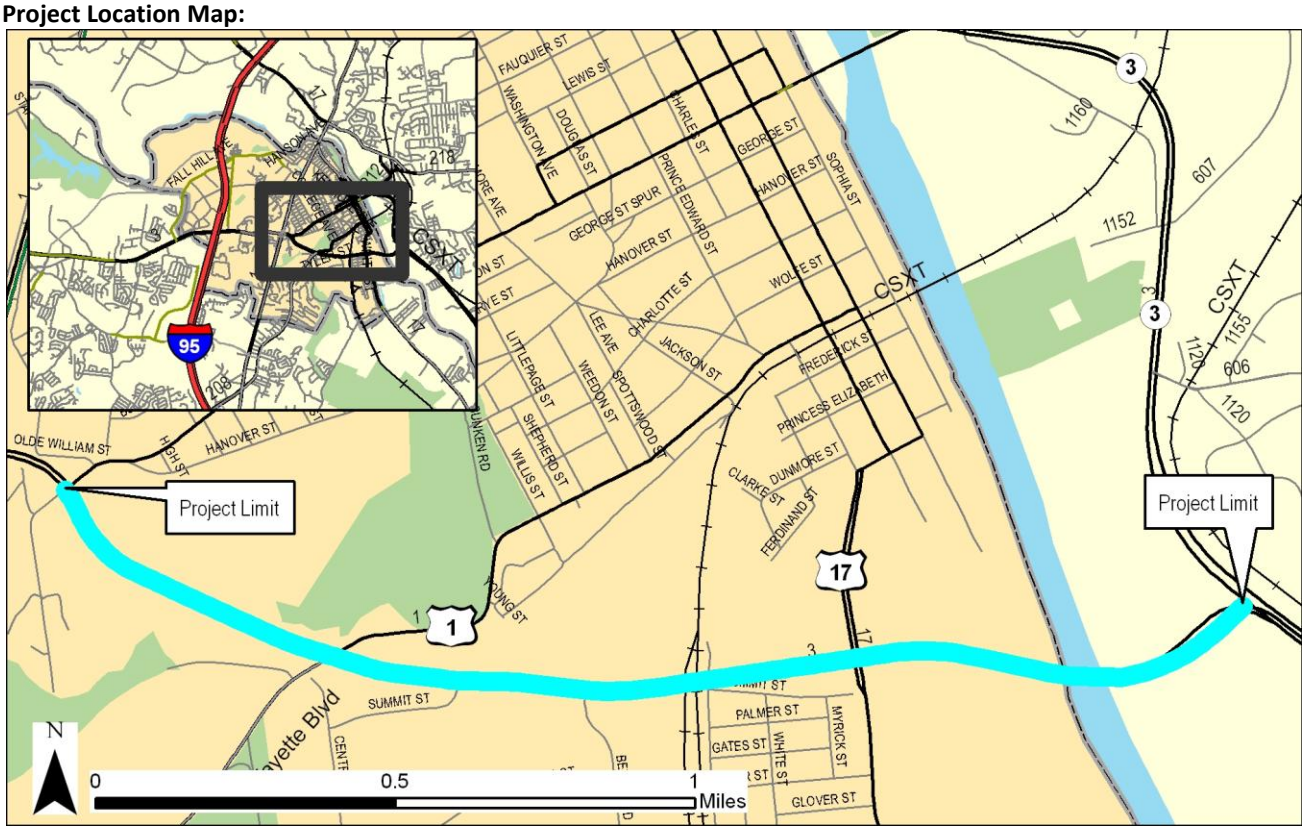
- ☒ Built Environment
- ☒ Natural Environment
- ☐ Historic Environment
- ☒ Environmental Justice

2040 Projected Volume: 78,000-117,000

Project Description:

Widen the Blue and Gray Parkway from 4 to 6 lanes divided. Improvements include intersections, turn lanes and paved shoulders.

Project Location Map:



Project ID #
Functional Classification: Urban Principal Arterial
VDOT Classification: Primary

Project Descriptions for FAMPO Long Range Plan
Constrained Plan Projects

William St Widening (PR-3) (Fredericksburg)

Project Name: William St Widening (PR-3)

Route Number: 3

Project Type: Road Widening 4 to 6 Lanes

Jurisdiction: Fredericksburg

Project Limit Start: William Street (PR- 3)

Project Limit: Mahone Dr.

Length in Miles: .9

Construction Year: 2030

Preliminary Engineering Cost: $1,092,690

Right-of-Way Cost: $12,000,000

Construction Cost: $12,128,169

Total Cost: $25,220,859

Sensitivity Issues/Impacts:

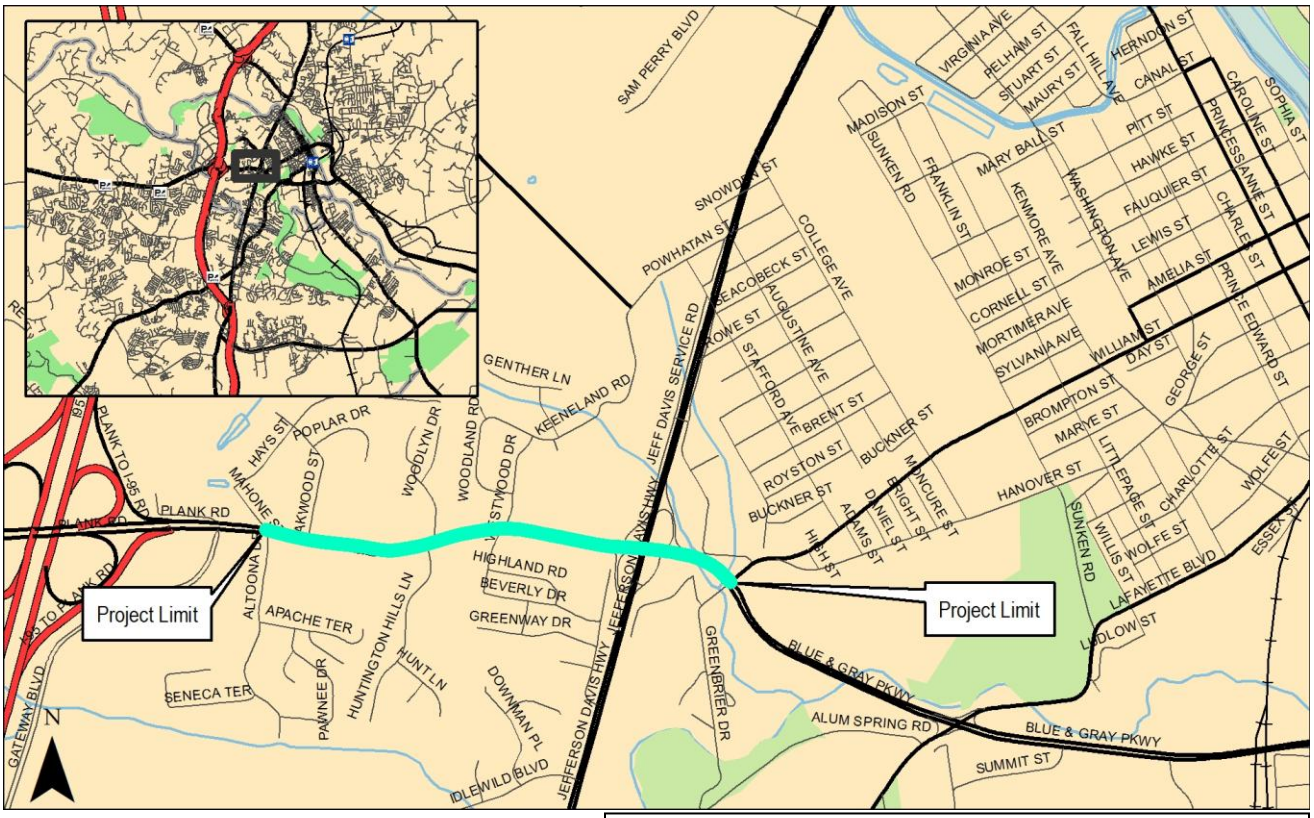
- ☒ Built Environment
- ☐ Natural Environment
- ☐ Historic Environment
- ☒ Environmental Justice

2040 Projected Volume: 71,000-82,000

Project Description:

Widen William Street from 4 to 6 lanes. Improvements include intersections, addition of turn lanes, access management, and traffic signalization. Construct separate shared use bike and pedestrian trail on the north side of William St. between US-1 and Woodlyn Dr.

Project Location Map:



Project ID #
Functional Classification: Urban Principal Arterial
VDOT Classification: Primary

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

Jefferson Davis Hwy Widening (US-1) (Fredericksburg)

Project Name: Jefferson Davis Hwy Widening (US-1)

Route Number: US-1

Project Type: Road Widening 4 to 6 Lanes Divided

Jurisdiction: Fredericksburg

Project Limit Start: William Street (PR- 3)

Project Limit: South City Limit

Length in Miles: 1.6

Preliminary Engineering Cost: $1,436,051

Right-of-Way Cost: $5,600,000

Construction Cost: $17,850,857

Total Cost: $24,886,908

Sensitivity Issues/Impacts:

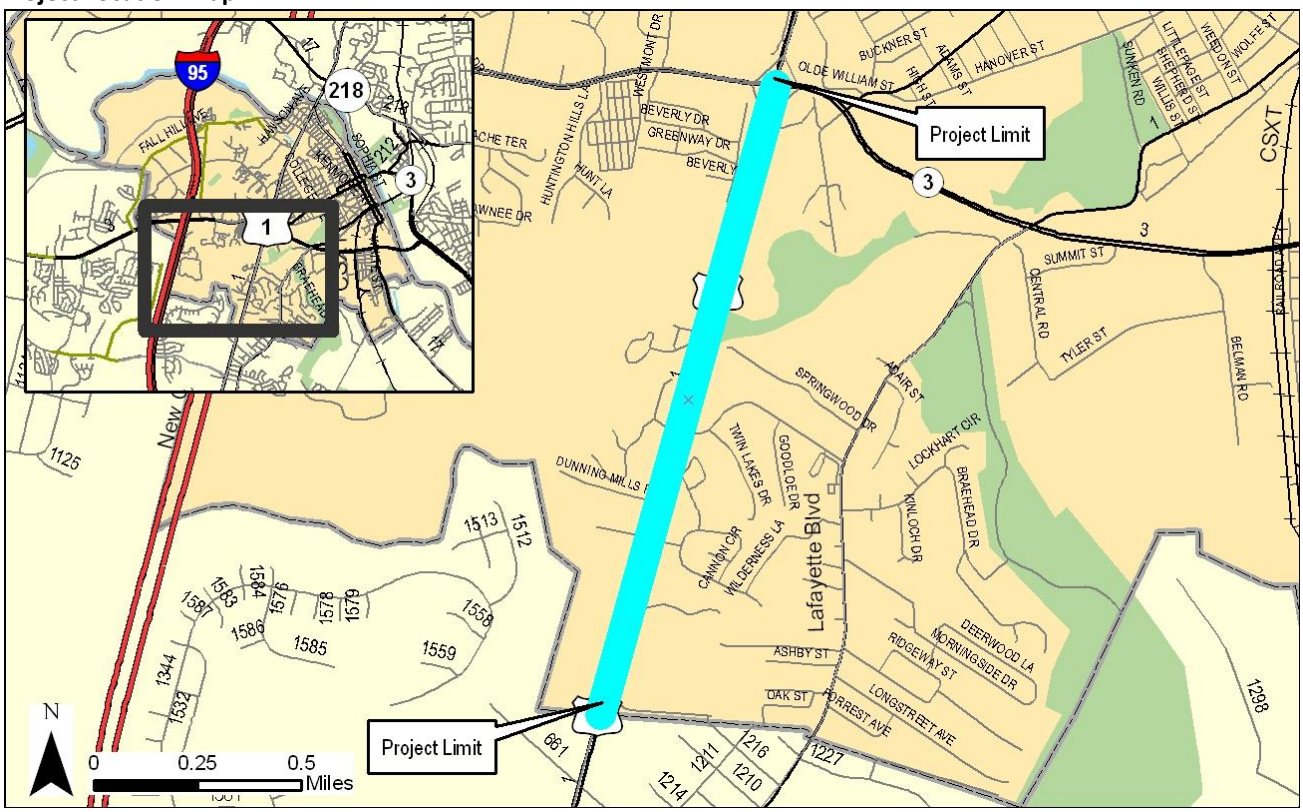
- ☒ Built Environment
- ☒ Natural Environment
- ☐ Historic Environment
- ☒ Environmental Justice

2040 Projected Volume: 81,000-88,000

Project Description:

Widen Jefferson Davis Highway from 4 to 6 lanes divided with landscaping. Improvements include intersections, access management, addition of turn lanes, paved highway shoulders, and traffic signalization.

Project Location Map:



Project ID #
Functional Classification: Urban Principal Arterial
VDOT Classification: Primary

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

Jefferson Davis Hwy (US-1)/William St (PR-3) Interchange (Fredericksburg)

Project Name: US-1/PR-3 Interchange Reconstruction
Route Number: US-1/PR-3
Project Type: Reconstruct Interchange
Jurisdiction: Fredericksburg
Project Limit Start: Interchange
Project Limit: Interchange
Length in Miles: 0.4

Preliminary Engineering Cost: $6,000,000
Right-of-Way Cost: $0.00
Construction Cost: $56,389,905
Total Cost: $62,389,905

Sensitivity Issues/Impacts:

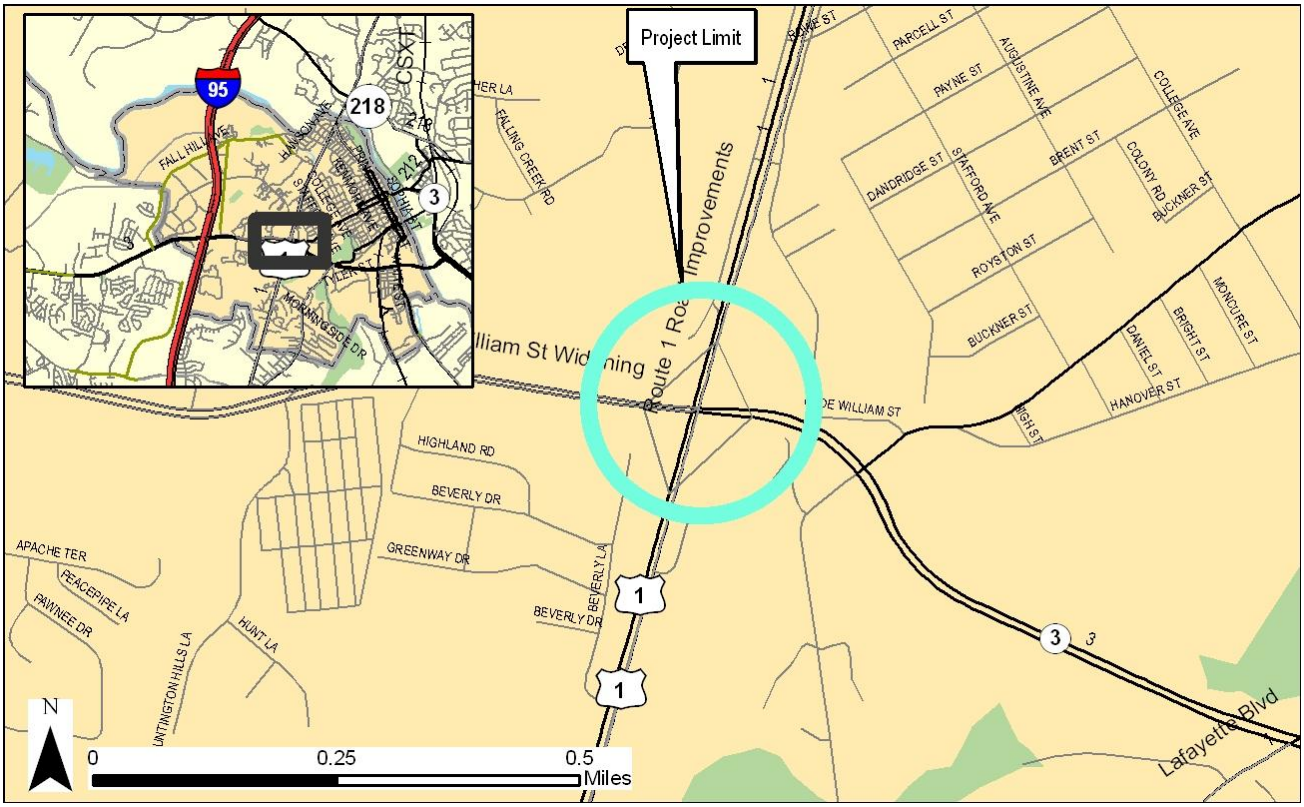
- ☒ Built Environment
- ☐ Natural Environment
- ☐ Historic Environment
- ☐ Environmental Justice

2040 Projected Volume: 74,000-84,000

Project Description:

Reconstruct Interchange, improvements will include new ramps, widening PR-3 from 4 to 6 lanes and a new bridge on US-1 over PR-3 & a shared-use path on the north side of William St.

Project Location Map:



Project ID #
Functional Classification: Urban Principal Arterial
VDOT Classification: Primary

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

Lafayette Blvd (US 1 BUS) (Fredericksburg)

Project Name: Lafayette Blvd (US 1 BUS) Phase II
Route Number: US-1BUS
Project Type: Road Widening from 3 to 4 Lanes
Jurisdiction: Fredericksburg

Project Limit Start: Blue-Gray Pkwy (PR-3)
Project Limit: South City Limit
Length in Miles: 1.5

Preliminary Engineering Cost: $6,000,000
Right-of-Way Cost: $13,000,000
Construction Cost: $44,836,945
Total Cost: $63,836,945

Sensitivity Issues/Impacts:

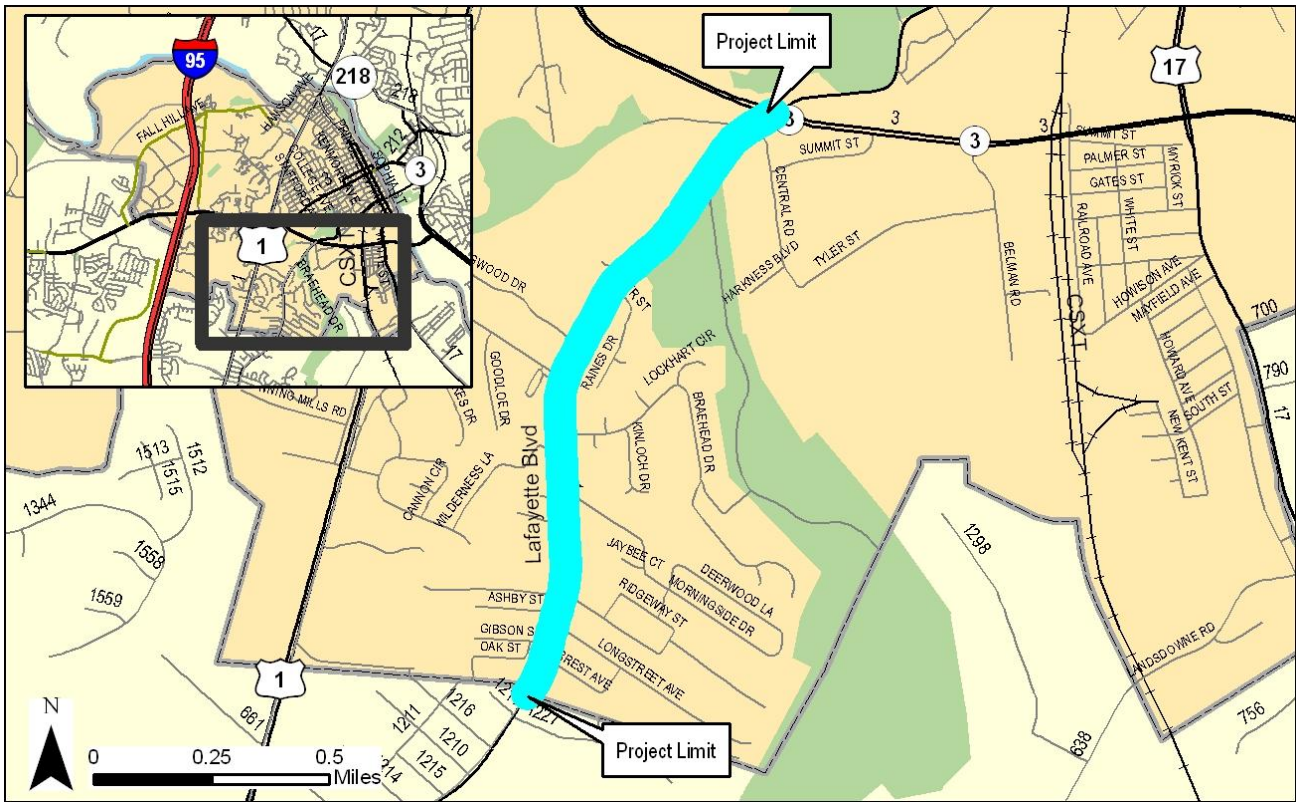
- ☒ Built Environment
- ☐ Natural Environment
- ☒ Historic Environment
- ☒ Environmental Justice

2040 Projected Volume: 17,000-21,000

Project Description:

Widen Lafayette Blvd to a 4 lane divided roadway with landscaping. Improvements will include a grade separated interchange with the Blue/Gray Parkway, separate shared used bike trail on one side and a sidewalk on the other, intersection improvements and access management to increase safety and improve traffic operations

Project Location Map:



Project ID #
Functional Classification: Urban Minor Arterial
VDOT Classification: Primary

Project Descriptions for FAMPO Long Range Plan
Constrained Plan Projects

Lafayette Blvd (US 1 BUS) Phase I (Fredericksburg)

Project Name: Lafayette Blvd (US 1 BUS) Phase I
Route Number: US-1BUS
Project Type: Road/Streetscape Improvements
Jurisdiction: Fredericksburg
Project Limit Start: Sophia St.
Project Limit: Blue-Gray Pkwy (PR-3)
Length in Miles: 1.2
Construction Year: 2025

Preliminary Engineering Cost: $500,000
Right-of-Way Cost: $0.00
Construction Cost: $3,694,960
Total Cost: $4,194,960

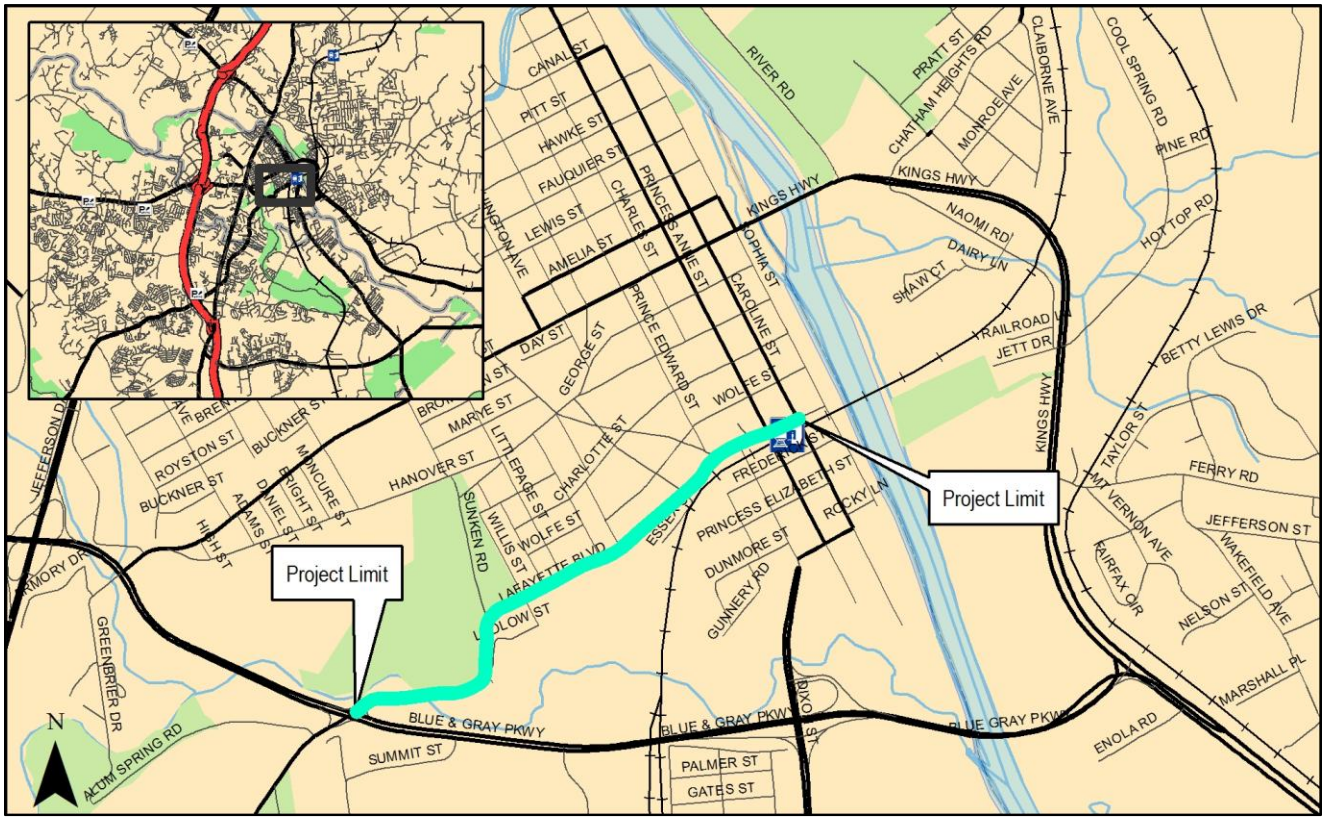
Sensitivity Issues/Impacts:

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

2040 Projected Volume: 12,500-15,400

Project Description:
Enhance Lafayette Blvd. by reconfiguring/restriping travel lanes, improving lighting, sidewalks, crosswalks, street trees, burying utilities and consolidating driveways. Construct a roundabout at the intersection of Kenmore Ave. Other improvements include enhanced bus stops, sharrows, and upgrading the traffic signal equipment.

Project Location Map:



Project ID #
Functional Classification: Urban Minor Arterial
VDOT Classification: Primary

Project Descriptions for FAMPO Long Range Plan
Regional Needs Plan Projects

US Route 1 Road Improvements (Fredericksburg)

Project Name: US Route 1 Road Improvements

Route Number: US-1

Project Type: Road Upgrade (Operational Improvements)

Jurisdiction: Fredericksburg

Project Limit Start: Stafford County Line

Project Limit: Blue-Gray Pky (PR-3)

Length in Miles: 1.8

Preliminary Engineering Cost: $1,115,407

Right-of-Way Cost: $4,100,000

Construction Cost: $13,038,710

Total Cost: $18,254,117

Sensitivity Issues/Impacts:

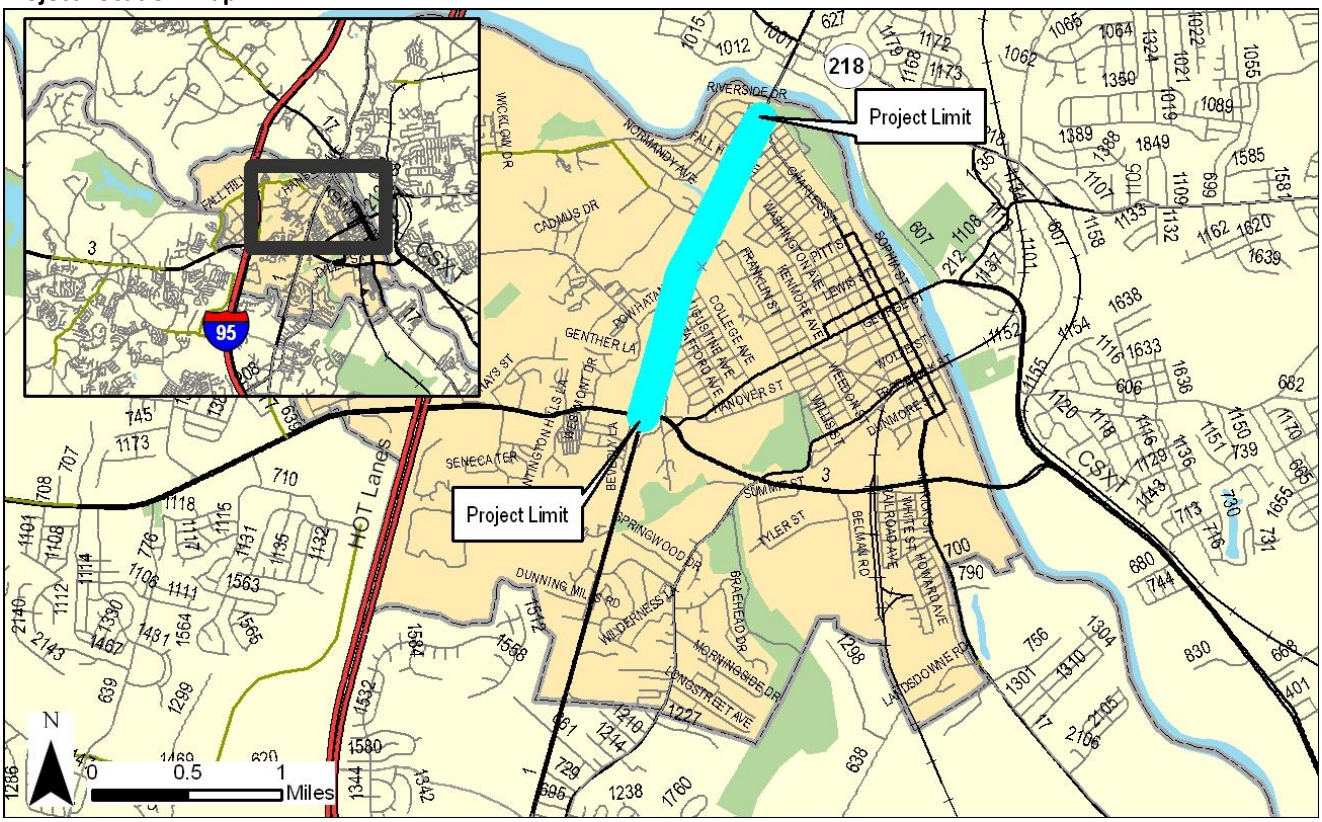
- ☒ Built Environment
- ☐ Natural Environment
- ☐ Historic Environment
- ☒ Environmental Justice

2040 Projected Volume: 69,000-74,000

Project Description:

Road improvements to US-1 including the Route 3 overpass and Rappahannock Canal bridge, access management, safety improvements at select intersections, turning lanes, traffic signalization, and filling in of sidewalk gaps. * Due to projected traffic volumes from FAMPO's TDM, it is recommended that this segment of US-1 be widened to a six lane divided facility.

Project Location Map:



Project ID #
Functional Classification: Urban Principal Arterial
VDOT Classification: Primary

Project Descriptions for FAMPO Long Range Plan
Constrained Plan Projects

Gateway Boulevard Extended (Fredericksburg)

Project Name: Gateway Boulevard Extended

Route Number: 3695

Project Type: New 4 Lane Divided Roadway Alignment

Jurisdiction: Fredericksburg

Project Limit Start: Plank Road (PR-3)

Project Limit: Fall Hill Avenue (UR-3965)

Length in Miles: 1.1

Construction Year: 2030

Preliminary Engineering Cost: $1,115,407

Right-of-Way Cost: $4,100,000

Construction Cost: $13,038,710

Total Cost: $18,254,117

Sensitivity Issues/Impacts:

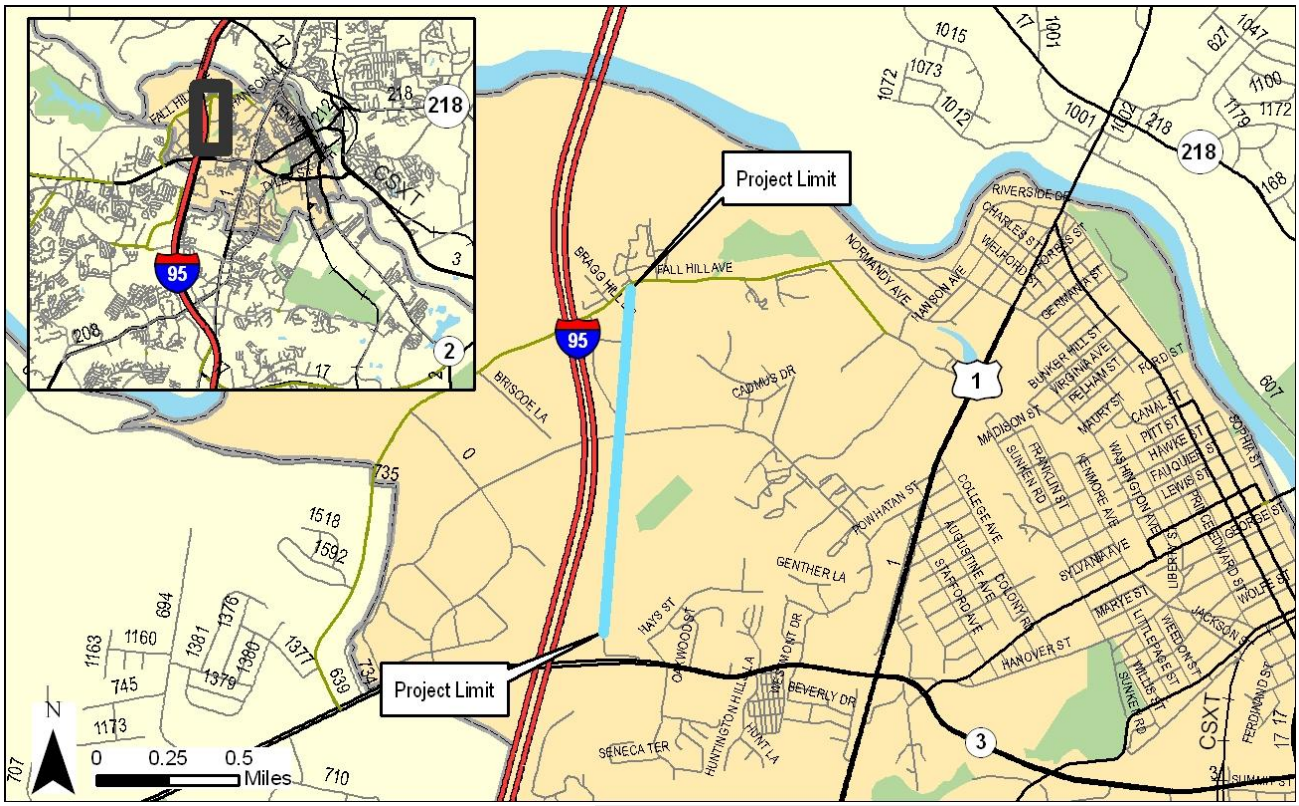
- ☒ Built Environment
- ☒ Natural Environment
- ☐ Historic Environment
- ☒ Environmental Justice

2040 Projected Volume: 15,000-20,000

Project Description:

Extend Gateway Boulevard as a 4 lane divided roadway with landscaping, a separate shared-use trail on one side and a sidewalk on the other, and at-grade, signalized intersections with Cowan Blvd. and Fall Hill Ave. as well as the modifications necessary at PR-3

Project Location Map



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

Project Descriptions for FAMPO Long Range Plan
Existing and Committed Projects

Princess Anne St (Fredericksburg)

Project Name Princess Anne St

Route Number:

Project Type: Road Reconfiguration

Jurisdiction: Fredericksburg

Project Limit Start: Jefferson Davis Hwy (US-1)

Project Limit: Fauquier St.

Length in Miles: 0.7

Construction Year: 2020

Preliminary Engineering Cost: $50,000

Right-of-Way Cost: $0.00

Construction Cost: $1,450,000

Total Cost: $1,500,000

Sensitivity Issues/Impacts:

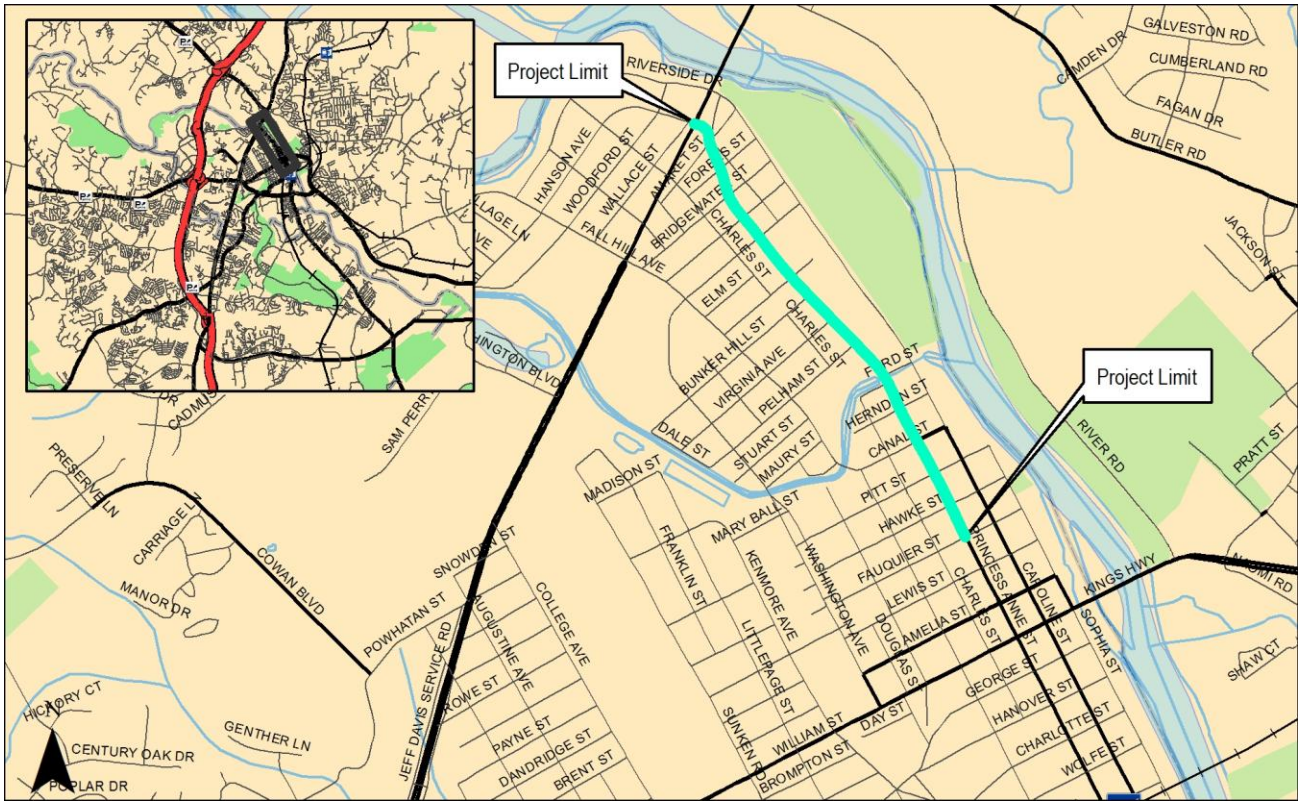
- ☒ Built Environment
- ☐ Natural Environment
- ☒ Historic Environment
- ☒ Environmental Justice

2040 Projected Volume: 19,000-21,000

Project Description:

Road improvements to Princess Anne St. including reconfiguring for efficiency, maintaining two travel lanes and providing on-street parking as feasible. Improvements include streetscape, curb & gutter, drainage improvements, sidewalks, and access management.

Project Location Map:



Project ID #
Functional Classification: Urban Minor Arterial
VDOT Classification: Primary

Project Descriptions for FAMPO Long Range Plan
Existing and Committed Projects

US-1 Bridge Replacement Route 3 (Fredericksburg)

Project Name: US-1 Bridge Route 3

Route Number: 85956

Project Type: Bridge Replacement (no added capacity)

Jurisdiction: Fredericksburg

Project Limit Start:

Project Limit:

Length in Miles: 0.4

Construction Year: 2020

Preliminary Engineering Cost: $600,000

Right-of-Way Cost: $1,000,000

Construction Cost: $4,430,000

Total Cost: $6,030,000

Sensitivity Issues/Impacts:

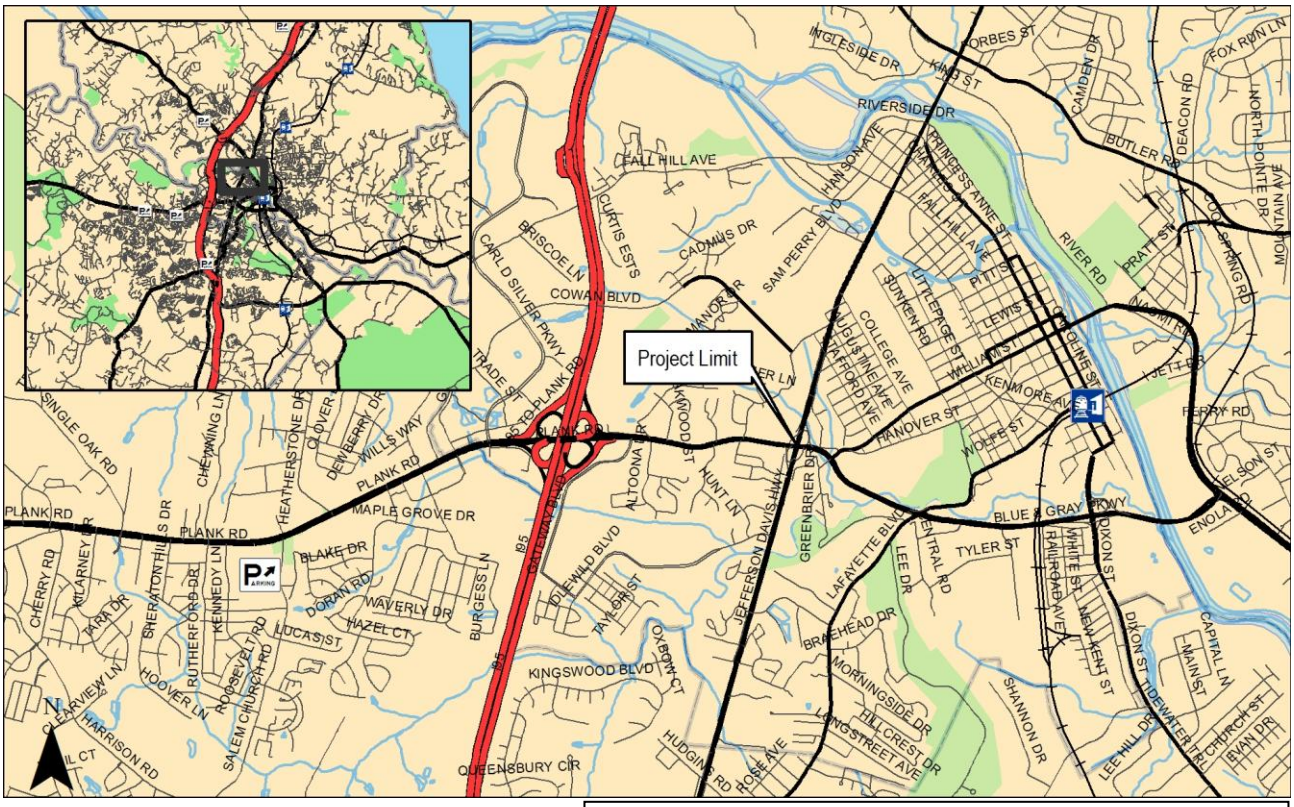
- ☐ Built Environment
- ☐ Natural Environment
- ☐ Historic Environment
- ☐ Environmental Justice

2040 Projected Volume: 74,000-84,000

Project Description:

Replace bridge over Route 3. Project includes a 4 lane bridge and paved shoulders.

Project Location Map



Project ID #
Functional Classification: Urban Principal Arterial
VDOT Classification: Urban

Project Descriptions for FAMPO Long Range Plan
Existing and Committed Projects

US-1 Bridge Replacement over Hazel Run (Fredericksburg)

Project Name: US-1 Bridge over Hazel Run

Route Number: 100444

Project Type: Bridge Replacement (no added capacity)

Jurisdiction: Fredericksburg

Project Limit Start:

Project Limit:

Length in Miles: 0.1

Construction Year: 2020

Preliminary Engineering Cost: $232,000

Right-of-Way Cost: $100,000

Construction Cost: $2,900,000

Total Cost: $3,232,000

Sensitivity Issues/Impacts:

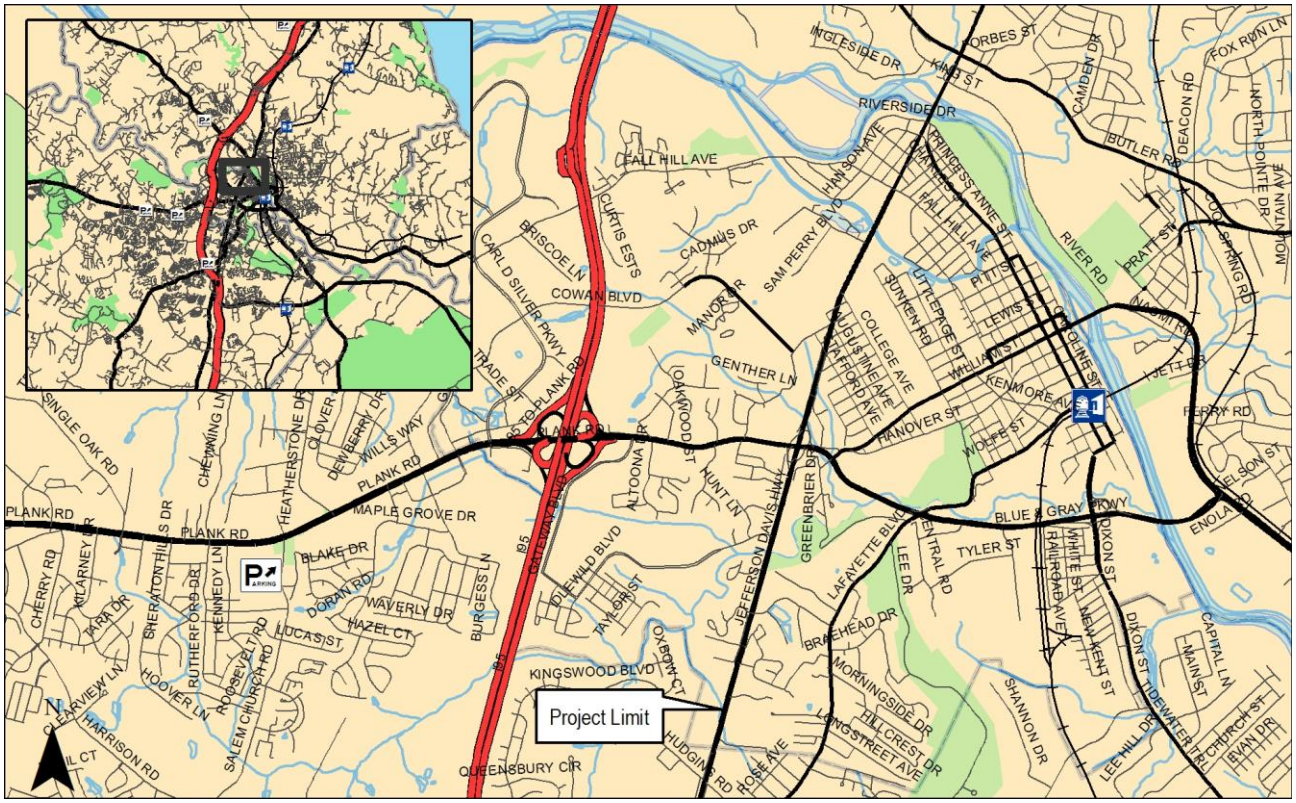
- ☐ Built Environment
- ☒ Natural Environment
- ☐ Historic Environment
- ☐ Environmental Justice

2040 Projected Volume: 81,000-87,000

Project Description:

Replace bridge over Hazel Run. Project includes a 4 lane bridge and paved shoulders.

Project Location Map



Project ID #
Functional Classification: Urban Principal Arterial
VDOT Classification: Urban

Project Descriptions for FAMPO Long Range Plan
Existing and Committed Projects

US-1 Bridge Replacement over Rappahannock Canal (Fredericksburg)

Project Name: US-1 Bridge over Rappahannock Canal
Route Number: 90077
Project Type: Bridge Replacement (no added capacity)
Jurisdiction: Fredericksburg

Project Limit Start:
Project Limit:
Length in Miles: 0.4
Construction Year: 2020

Preliminary Engineering Cost: $347,000
Right-of-Way Cost: $150,000
Construction Cost: $3,854,000
Total Cost: $4,351,000

Sensitivity Issues/Impacts:

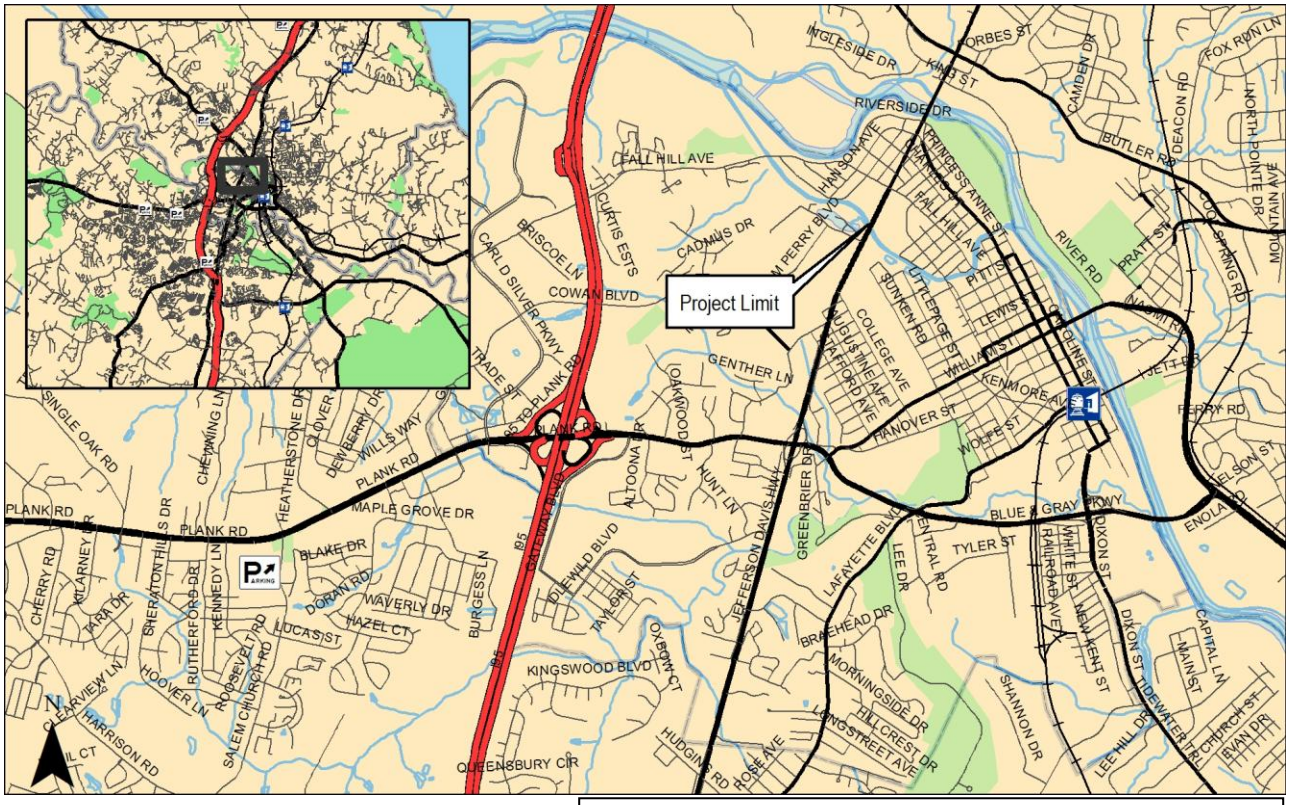
- ☐ Built Environment
- ☒ Natural Environment
- ☐ Historic Environment
- ☐ Environmental Justice

2040 Projected Volume: 69,000-74,000

Project Description:

Replace bridge over Rappahannock Canal. Project includes a 4 lane bridge and sidewalks.

Project Location Map



Project ID #
Functional Classification: Urban Principal Arterial
VDOT Classification: Urban

Project Descriptions for FAMPO Long Range Plan
Existing and Committed Projects

Fall Hill Avenue/Mary Washington Blvd. (Fredericksburg)

Project Name: Fall Hill Avenue/Mary Washington Blvd. Ext. (UPC # 88699)
Route Number: 3965
Project Type: Widen Road from 2 to 4 Lanes Divided
Jurisdiction: Fredericksburg
Project Limit Start: Mary Washington Blvd.
Project Limit: Celebrate Virginia Parkway
Length in Miles: 1.6
Construction Year: 2018

Preliminary Engineering Cost: $2,685,000
Right-of-Way Cost: $7,440,000
Construction Cost: $26,507,227
Total Cost: $36,632,227

Sensitivity Issues/Impacts:

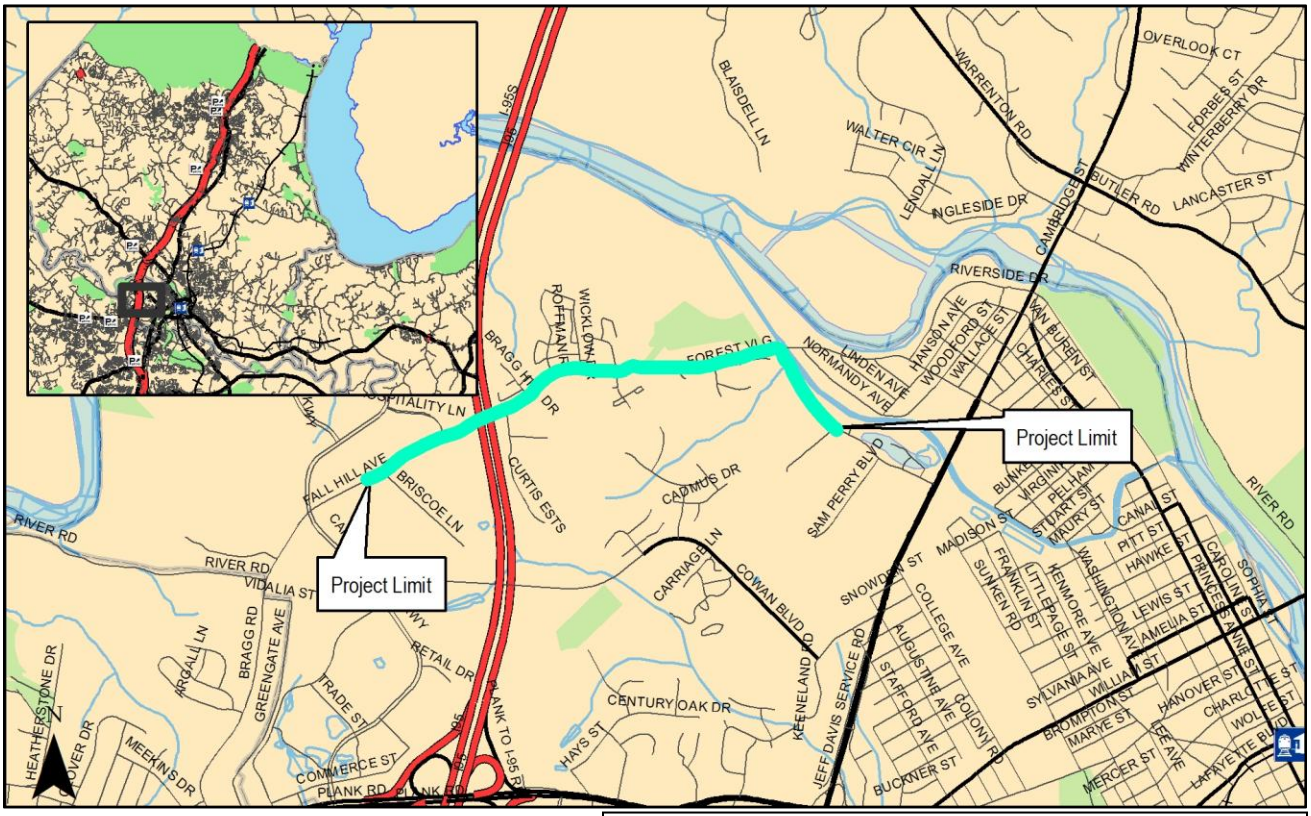
- ☒ Built Environment
- ☒ Natural Environment
- ☒ Historic Environment
- ☒ Environmental Justice

2040 Projected Volume: 20,000-45,000

Project Description:

Widen Fall Hill Ave. from 2 lanes to four lanes divided with landscaping, improved intersections, a new bridge over I-95, traffic signalization, shared-use path that ties in with the Canal Path and sidewalk on the other side. Also extend Mary Washington Blvd from current terminus to Fall Hill Ave. Intersection improvements at Mary Washington Boulevard and Jefferson Davis Highway.

Project Location Map:



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