

I-95 Corridor Study

Phase 2 Highway Element

Policy Committee Briefing

May 15, 2017

Overview

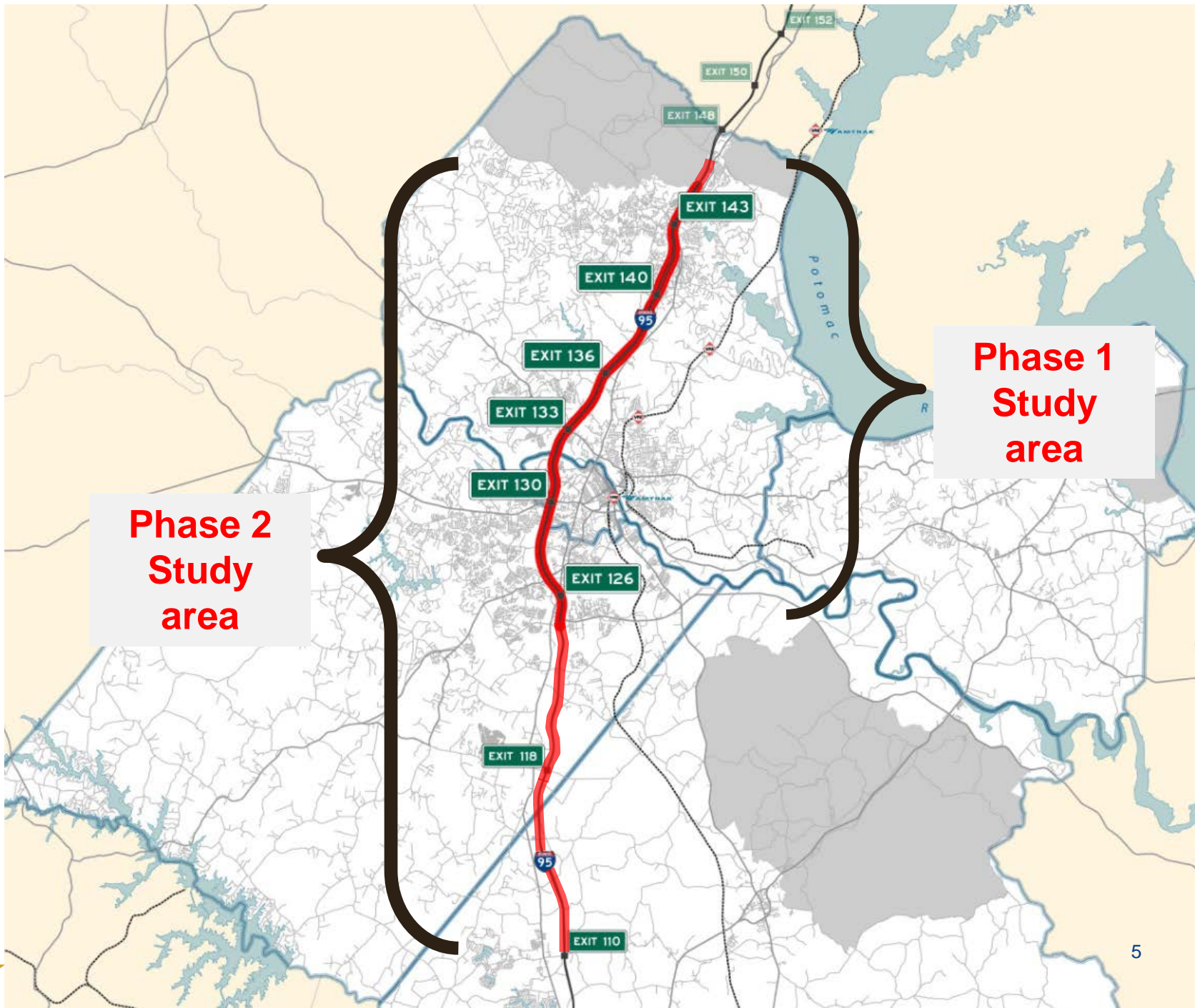
1. The I-95 Phase 2 Highway Element follows the Phase 1 work completed in 2016
2. The Phase 2 Highway Element will be conducted in coordination with the Transit / TDM Element recently begun
3. All Phase 2 work will be performed in close coordination with the LRTP Advisory Committee
4. The results of the I-95 Phase 2 work will inform the LRTP update and also the next round of Smart Scale

Phase 2 Highway objective & motivation

Significant developments since Phase 1 work

- Atlantic Gateway (Fred Ex) initiative moving forward
- Concern about 'new' southern tail congestion resulting from Express Lanes extension AND Southbound River Crossing Project
- Concern about northern tail congestion resulting from Northbound River Crossing Project
- Several unsuccessful Smart Scale applications
 - Northbound River Crossing project
 - Rte 610 Express Lane direct-connect ramp
 - Mine Road Park & Ride Lot
 - Harrison Road widening project





**Phase 2
Study
area**

**Phase 1
Study
area**

Phase 2 Highway objective & motivation

Phase 2 effort will focus on:

- 1) Strengthening case for I-95 Northbound River Crossing Project for LRTP update and next round of Smart Scale
- 2) Developing full transportation master plan for I-95 throughout FAMPO area
- 3) Providing travel demand modeling support for LRTP update process

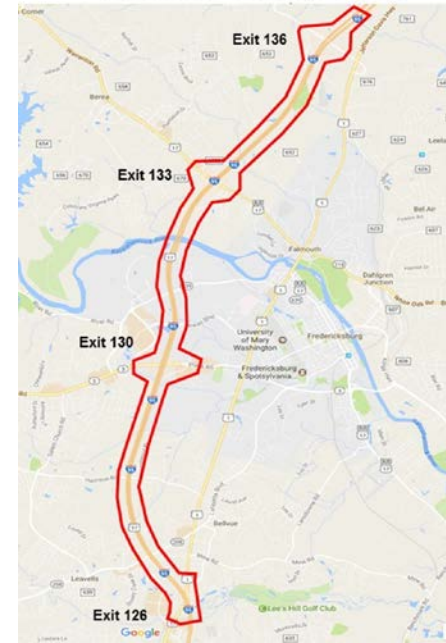


Phase 2 Highway objective & motivation

Strengthening case for I-95 Northbound River Crossing Project for LRTP update & next round of Smart Scale

- 1) Utilize newest version of travel forecasting model to develop future traffic demand along I-95 and its interchanges
- 2) Highlight weekend operations and seasonal variations
- 3) Develop detailed VISSIM operational model of I-95 to clearly illustrate problem areas and success of proposed solutions
- 4) Prepare high-level documentation of economic benefits of proposed I-95 improvement projects

VISSIM Study area



Depart from slideshow here to show examples of VISSIM

Phase 2 Highway objective & motivation

Developing full transportation master plan for I-95 throughout FAMPO area

- 1) Will develop three alternative scenarios to be tested in both year 2030 and 2045
 - Including new or improved I-95 access south of River crossing project
- 2) Utilize VISSIM operations tool to test performance of scenarios
- 3) Closely coordinated with parallel efforts on transit planning
- 4) Work with LRTP Advisory Committee throughout process



Phase 2 Highway objective & motivation

Providing travel demand modeling support for LRTP update process

- 1) Peer review of recently updated travel demand model
- 2) Work with FAMPO staff to ensure proposed LRTP projects are correctly reflected in travel demand model
- 3) Conduct model runs of various scenarios
 - 2045 No Build: Existing + Committed SYIP
 - 2045 CLRP Build – Fiscally Constrained Long Range Plan
 - 2045 Vision Build
- 4) Provide model output as needed for LRTP update process

Study Budget Request

Budget for Phase 1 was \$280K (Completed in 2016)

Budget for Phase 2 Transit/TDM element is \$80k (approved by Policy Committee and begun in March 2017)

Budget for Phase 2 Highway element is \$371K (requesting Policy Committee approval tonight)

Next Steps

- Receive Policy Committee approval of I-95 Phase 2 Highway Element study scope and funding
- Study anticipated to take approximately 12-months with early deliverables by end of 2017 to correspond with LRTP update
- Study results will also identify I-95 corridor multimodal needs for next round of Smart Scale

Questions & Discussion