

Future I-87 Improvements to US 17

From the Edenton-Windsor Loop to the Martin County line

Local ID: BERT20001-H

Purpose: Legislative Intent

Improvement: Improve Existing

Identified Need

The project is intended to improve mobility, connectivity, and encourage economic development between Raleigh, NC and Norfolk, VA. There is a desire to maintain mobility during flooding events because portions of the current roadway are below the 100 year flood elevations.

Recommendation

Upgrade existing US 17 from a 4-lane divided roadway to interstate standards and designate as I-87.



Proposal At A Glance

Highway Class	Other
Facility Type	Freeway
Typical Section	04 A
Section Options	-
Length (miles)	20.00
Existing ROW (feet)	50-120
Safety Risk Score	44-89

Proposal Data: 2019 Base Year 2050 Future Year

Improved Route	Existing	Without Proposal	With Proposal
Facility Type	Major Thoroughfare Multi-lane	Major Thoroughfare Multi-lane	Freeway
Travel Lanes	4	4	4
Volume (vpd)	11500	12100	18100
Capacity (vpd)	30200	30200	62200

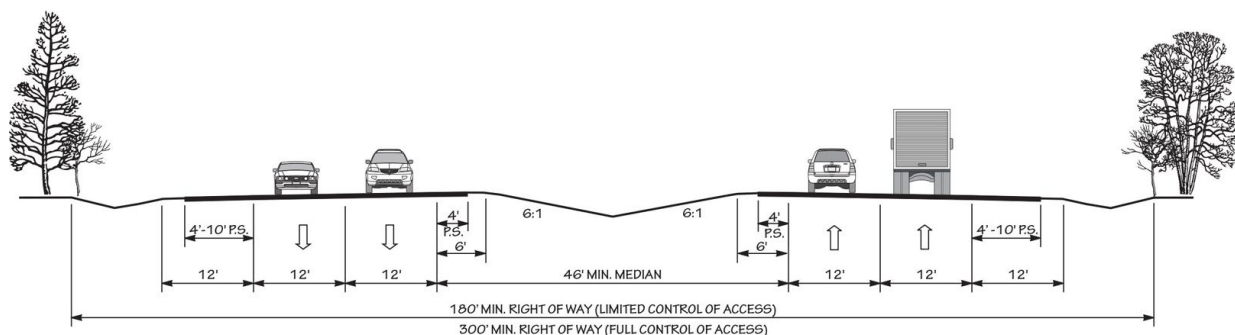
Capacity Data: Year

Facility will be Approaching Capacity (>80%)	-
Facility will be Over Capacity (>=100%)	-



Typical Section Options:

None

TYPICAL SECTION No. 4A**4 LANE DIVIDED (46' DEPRESSED MEDIAN) WITH PAVED SHOULDERS**

POSTED SPEED 45-70 MPH

Project History/Linkage to Other Plans**Project History**

The plan recommends upgrading the roadway to interstate standards. On March 15, 2013, AASHTO received a modified request from NCDOT requesting the establishment of I-495 from I-440 to I-540 and Future I-495 from I-540 to I-95. It was approved, though needed an additional approval from the Federal Highway Administration (FHWA). On December 12, 2013, the proposed section was approved by the FHWA and was added to the interstate highway system. A feasibility study for the section between Williamston and the Virginia state line was completed in 2018. NCDOT maps show the Interstate roughly following the US 17 corridor between Williamston and South Mills.

Linkage to Other Plans

This project was documented in the 2012 Bertie County CTP as an area that needs improvement. This project was also included in the SPOT 7.0 (H141724) submittal.

CTP Goal Analysis**Goals and Objectives Survey**

Goals discussed in early steering committee meetings that are on the official Goals and Objectives list include things such as 'providing an efficient transportation system', providing a transportation system that supports economic vitality', and 'providing a transportation system that includes resiliency for flooding events'. Upgrading this portion of the road helps achieve all of these goals.

Public Input Survey

The Bertie County Public Input survey showed that citizens wanted to see improved economic growth and better access. The majority of the citizens filling out the survey lived or spent most of their leisure time in Windsor which US 17 goes through.

All environmental data in the database was considered.

This Project is within 150 feet of:

- 1 Ambient Water Quality Monitoring Site(s)
- 4 Anadromous Fish Spawning Area Feature(s)
- 21 Coastal Region Evaluation Of Wetland Significance Feature(s)
- 7 Flood Hazard Area Feature(s)
- 3 Gameland Feature(s)
- 1 Hazard Substance Disposal Site(s)
- 10 Landscape Habitat Indicator Guild Feature(s)
- 6 Major River Feature(s)
- 2 Managed Area Feature(s)
- 3 Natural Heritage Natural Area Feature(s)
- 56 Wetland Feature(s)
- 7 River And Stream Feature(s)
- 4 Lake And Pond Feature(s)
- 1 Protected Area Feature(s)
- 3 Quality Monitored River And Stream Feature(s)
- 3 Target Local Watershed Feature(s)
- 1 Water Supply Watershed Feature(s)

This recommendation passes through one or more Census Blocks with the following characteristics:

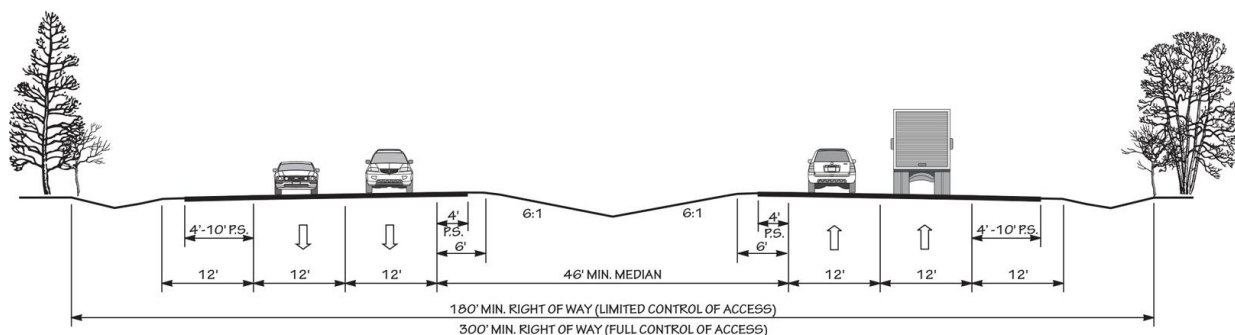
- Between 25% and 50% identify as 65+
- Between 75% and 100% identify as African American
- Between 0% and 5% identify as Asian
- Between 2.5% and 10% identify as Hawaiian or Pacific Islander

Typical Section Options:

None

TYPICAL SECTION No. 4A

4 LANE DIVIDED (46' DEPRESSED MEDIAN) WITH PAVED SHOULDERS



POSTED SPEED 45-70 MPH

- Between 5% and 15% identify as Hispanic and Latino
- 0% identify as Over 18 with Limited English Proficiency (LEP) - Asian and Pacific Islander
- 0% identify as Over 18 with Limited English Proficiency (LEP) - Indo-European
- 0% identify as Over 18 with Limited English Proficiency (LEP) - Other
- Between 0% and 5% identify as Over 18 with Limited English Proficiency (LEP) - Spanish
- Between 5% and 15% identify as Native American
- Between 1% and 5% identify as Some Other Race
- Between 1% and 5% identify as Two of More Races
- Between 50% and 75% identify as Below Poverty Line
- Between 20% and 50% identify as Households with No Car