I-66 EBL Widening DB Project

VDOT
Virginia Department of Transportation

LANE

HDR

Michael Baker International

Virginia State Parks

Arlington

City of Falls Church

Fairfax County
I-66 EASTBOUND WIDENING INSIDE THE BELTWAY

From the Dulles Connector Road (Route 267) to Fairfax Drive (Route 237)
$85,655,000.00 LS
Start Date: June, 2018 - Interim Milestone: Fall 2020 - Completion: Fall 2021

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Mo Kim, PE, DBIA (Rinker Design (RDA) – Design Manager)
Syed Khan, PE (CES) - QAM
• **Project Overview**
  • Approx. 4-miles of I-66 Eastbound Adding a 3rd Lane (Base Contract)
  • 200,000 SF of Noise Walls
  • W&OD Trail Bridge over Lee Highway – 5 span, 700 LF
  • Custis Trail Overpass Pier Relocation
  • Multiple Narrow Bridge Widenings and Modifications
  • I-66 Eastbound Direct Access to West Falls Church Metro (Opt. 1)
Project Overview

Virginia Department of Transportation

New W&OD Trail Bridge
66 EB Access to Metro
Project Overview: I-66 Eastbound Widening

Building an additional lane eastbound from Dulles Connector Road to Exit 71 (Fairfax Drive/Glebe Road)

Anticipated Schedule:

- Construction Started: June 2018
- Construction Complete: Fall 2020
Project Challenges:

Heavy Traffic – EBL is at or over capacity 24/7
Working Adjacent to and over Metro Utilities – Overhead and underground
Narrow Work Zone – minimal ROW takes, Metro Rail, Existing Retaining walls
Numerous Regional Parks and Trails to be accommodated
I-66 Eastbound Widening
Great Falls Street to Patrick Henry Drive

One additional lane within the project limits, mostly left side, toward Metro

Conceptual Renderings Only
Patrick Henry Dr. Overpass
I-66 Eastbound Widening
Patrick Henry Drive to N. Harrison

I-66 Eastbound (Existing)  I-66 Eastbound (Future)

Inside and outside widening
Conceptual Renderings Only
Project Overview: W&OD Trail Bridge over Lee Hwy

Construction underway

Anticipated Schedule:

- Construction Started: April 2019
- Construction Complete: Summer 2020 (erecting struct. Steel now)
W&OD Trail Bridge Construction

- April 2019 – Fall 2020
- Temporary detour (with directional signage)
- W&OD short-term closures/traffic stoppage (20 minutes max) during nighttime when bridge beams are erected over Lee Hwy
W&OD Trail Bridge Steel Erection
Custis Trail Detour

• August 2019 – Fall 2020
• Temporary trail detour required for I-66 East bridge widening over Custis Trail / Bon Air Park
• Trail “roundabout” proposed to preserve Bon Air Park trees while enhancing safety
I-66 Eastbound Widening – Completed Construction Phase

Phase 1A

- Completed Summer 2018
- Shoulder strengthening
- Nighttime lane closures only

Existing 3 Lane Segment (Project Begin to N. Sycamore St.)

Existing 2 Lane Segment (N. Sycamore St. to Project End)
I-66 Eastbound Widening – Current Construction Phase

**Phase 1B**

- Summer 2018 – Summer 2019
- Shifted traffic 4’ to 6’ to install temporary concrete barrier on the left
- Work behind temporary concrete barrier
- Primarily daytime operations without lane closures
- Nighttime lane closures as needed

Existing 3 Lane Segment (Project Begin to N. Sycamore St.)

Existing 2 Lane Segment (N. Sycamore St. to Project End)
I-66 Eastbound Widening – Final Construction Phase

**Phase 3A/3B**

- Summer 2020 – Fall 2020
- Work behind temporary concrete barrier
- Primarily daytime operations without lane closures
- Nighttime lane closures as needed

**Existing 3 Lane Segment** (Project Beginning to Exit 69: Fairfax Dr.)

**Existing 2 Lane Segment** (Exit 69: Fairfax Dr. to Project End)
Progress Photos – N. Ohio Str. Overpass
Project Overview: I-66 Eastbound Direct Access to Metro

OPTION 1: Improve access to Metro and reduce congestion on Route 7

Anticipated Schedule:

- Construction Start: Summer 2020
- Construction Complete: Fall 2021